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NINGBO OULE MACHINE CO., LTD.

宁波德克刀具有限公司  
NINGBO DEREK TOOLS CO., LTD.

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DEREK 德克刀具

综合样本



我们保留技术更新、改善产品权利  
We reserve the rights to update the products  
specification without prior notice.

2019 - 2020

TOOLING  
SYSTEM



# ABOUT DEREK

## 德克简介



工厂1  
Factory I



工厂2  
Factory II



工厂3  
Factory III

宁波欧乐机械有限公司及德克刀具有限公司为德克工业集团（瑞典）有限公司旗下在中国的制造加工企业及营销中心，并在中国宁波设有占地 25 亩的一期工厂加工区及占地 30 亩的二期工厂加工区。

公司自 1993 年成立至今，20 多年专注于研发，是国内极少数拥有完整数控刀具现代化生产线的制造企业，拥有 30 多项核心专利，多项国际认证，享誉海内外客户及业内同行！

Ningbo Oule Machine Co., Ltd., established in 1993, is the research and manufacturing center of Derek Tools and specialized in CNC milling cutters, turning tools, tool holders, and boring tools. Our mission is to provide high quality products and a-class service, including providing our customers with tools solution, helping them get smooth production.



检测部  
Testing Dept.

德克刀具每款产品都承载着“制造一流产品、提供一流服务”企业宗旨，“为客户提供数控刀具整体解决方案、助其更好的服务市场以获得全球性的成功”是德克刀具的企业诉求。

通过不断技术革新，德克刀具客户遍布70多个国家和地区，建立了初步的全球营销网络！通过大量专业人才和先进的高科技生产检测设备，在先进管理理念和国际质量体系的引导下，通过公司全体员工的智慧和不断辛勤努力开发的德克刀具以其新颖的结构、精湛的工艺、优越的性能，德克刀具获得了客户的一致好评和广泛认同。

We work with the most experienced engineers in high precise tools area, and we have the testing equipments to make sure our tools are qualified. During the past years, we focused on the further development, working with high-tech research institutions all over the world. With our efforts, we won an award of patent of 0.002mm precision adjustmet for FBH micro boring tools. Meanwhile, we improved the whole factory management level. Today, Derek enjoys good reputation among the CNC tools field.



高新技术企业



A01-A20		精镗刀 Micro boring	A44-A58		镗头刀柄 Boring holder
A21-A43		粗镗刀 Rough boring	A59-A70		非标刀具 Customized tools
B08-B21		HSK刀柄 HSK holder	A71-A77		技术资料 Technical Data
B22-B45		BT刀柄 BT holder	B46-B65		SK刀柄 SK holder
C01-C05		双刃铣刀体 Double-edged Mill	B66-B95		刀柄配件 Tool Holder accessories
C06-C10		铝屑式铣刀头 Aluminum Face Mill	C36-C38		倒角刀 Chamfering Cutter
C11-C35		可转位铣刀杆 Indexable Mill	C39-C48		可转位面铣刀 Indexable Face Mill
D01-D27		外圆车刀 External turning tool	C35/C49		玉米铣刀 Shell Mill
D28-D72		内孔车刀 Internal turning tool	C50-C55		槽铣刀 Side Cutter
E01-E10		DP高性能通用加工立铣刀 DP For High Performance	D63-D64		螺纹车刀 Threading tool
E11-E31		DG通用加工立铣刀 DG For General Purpose	D65-D81		切屑&切槽车刀 Grooving tool
E32-E48		DH高硬度钢加工立铣刀 DH For Harden Material	E49-E54		DL铝加工立铣刀 DL For Aluminium
F01-F15		技术资料 Technical Data	E55-E69		技术资料 Technical Data
F16-F18		镗刀片 Boring Insert	F29-F42		车刀片 Turning Insert
F19-F28		铣刀片 Milling Insert	F43		切槽车刀片 Grooving Insert
G01-G10		通用配件 General Accessories	F44-F52		螺纹车刀片 Threading Insert
G11-G14		车刀配件 Accessories For Turning Tools	G15-G17		附件 Accessories
H01-H20		技术资料 Technical Data			

### 镗刀系列 BORING TOOLS A01-A77

### 加工中心刀柄 TOOL HOLDERS B01-B95

### 舍弃式切削刀具 MILLING CUTTERS C01-C55

### 车刀系列 TURNING TOOLS D01-D81

### 整体钨钢硬质合金立铣刀 CARBIDE END MILLS E01-E69

### 刀片 CARBIDE INSERTS F01-F52

### 周边附件 ACCESSORIES G01-G17

### 技术资料 TECHNICAL DATA H01-H20

<p>FBH Micro-boring Tool FBH极细微调精镗刀</p>  <p>A02</p>	<p>FBH Micro Back-boring Tool FBH极细微调精镗反镗刀</p>  <p>A02</p>	<p>FBH Micro-boring Body FBH极细微调精镗刀-精镗刀本体</p>  <p>A02</p>	<p>FBH Micro-boring Bar FBH精镗刀杆</p>  <p>A03</p>
<p>Insert Holder For FBH Boring Tool FBH精镗刀片座</p>  <p>A03</p>	<p>DCK3-FBH32P Micro-finishing Boring Kit DCK3-FBH32P极细微调精镗孔系统</p>  <p>A04</p>	<p>DCK4-FBH40P Micro-finishing Boring Kit DCK4-FBH40P极细微调精镗孔系统</p>  <p>A05</p>	<p>DCK5-FBH50P Micro-finishing Boring Kit DCK5-FBH50P极细微调精镗孔系统</p>  <p>A06</p>
<p>DCK6-FBH63P Micro-finishing Boring Kit DCK6-FBH63P极细微调精镗孔系统</p>  <p>A07</p>	<p>DCK6-FBH80 Micro-finishing Boring Tool DCK6-FBH80极细微调精镗孔系统</p>  <p>A08</p>	<p>CBH Finish Boring Tool CBH微调精密镗头</p>  <p>A11</p>	<p>FMSCBH Large Diameter Boring Tool For Finishing FMS-CBH大径微调精密镗头</p>  <p>A12</p>
<p>FMX-CBH Large Diameter Boring Tool For Finishing FMX-CBH大径微调精密镗头</p>  <p>A13</p>	<p>FMX-CBH Large Diameter Boring Tool For Finishing FMX-CBH大径微调精密镗头</p>  <p>A14</p>	<p>CBHM Boring Tool For Pin Turning CBHM微调精密外镗头</p>  <p>A15</p>	<p>CBHL Boring Tool For Pin Turning (Large Diameter) CBHL微调精密外镗头</p>  <p>A16</p>
<p>DBJ10/12/16 Micro-boring Head DBJ10/12/16微调精密镗头</p>  <p>A17</p>	<p>DBJ10/12/16 Micro-boring Bar DBJ10/12/16微调镗头刀杆</p>  <p>A17-A18</p>	<p>DBJ Micro-boring Tool Kit DBJ微调精密镗头套组</p>  <p>A18</p>	<p>DBJ Collet For Solid Carbide Boring Bar DBJ硬质合金镗刀杆专用筒夹</p>  <p>A19</p>
<p>DT Solid Carbide Boring Bar DT硬质合金镗刀杆</p>  <p>A19</p>	<p>DEB Insert Holder DEB拾弃式镗头</p>  <p>A19</p>	<p>NBH2084 Micro-boring Head NBH2084微调精密镗头</p>  <p>A20</p>	<p>DBJ20 Micro-Boring Bar DBJ20微调精密镗头刀杆</p>  <p>A20</p>
<p>NBH2084 Micro-Boring Tool Kit NBH2084微调精密镗头套组</p>  <p>A20</p>	<p>ABH Rough Boring Tool ABH分体式粗镗头</p>  <p>A21</p>	<p>ABH Rough Back-boring Tool ABH反镗式粗镗头</p>  <p>A22</p>	<p>ABH Twin-bit Rough Boring Body ABH分体式粗镗头本体</p>  <p>A22</p>
<p>Inserts Holder For ABH Rough Boring Tool ABH粗镗头刀座</p>  <p>A23</p>	<p>Inserts Holder For ABH Rough Back-boring Tool ABH反镗式粗镗头刀座</p>  <p>A23</p>	<p>DBH Rough Boring Tool DBH分体式粗镗头</p>  <p>A24</p>	<p>Inserts Holder For DBH Rough Boring Tool DBH粗镗头刀座</p>  <p>A24</p>

<p>FMS-DBH Large Diameter Rough Boring Tool FMS-DBH大径双刃粗镗头</p>  <p>A25</p>	<p>FMX-DBH Large Diameter Rough Boring Tool FMX-DBH大径双刃粗镗头</p>  <p>A26</p>	<p>FMX-DBH Large Diameter Rough Boring Tool FMX-DBH大径双刃粗镗头</p>  <p>A27</p>	<p>BSA 45° Boring Holder With Square Boring Bit BSA45度粗镗孔刀柄</p>  <p>A28</p>
<p>BSB 90° Boring Holder With Square Boring Bit BSB90度粗镗孔刀柄</p>  <p>A29</p>	<p>TBS Square Boring Bit TBS会弃式镗孔刀杆</p>  <p>A30</p>	<p>CBS Square Boring Bit CBS会弃式镗孔刀杆</p>  <p>A31</p>	<p>SB Fixed Rough Boring Bar SB固定式粗镗刀杆</p>  <p>A32</p>
<p>MC Fixed Boring Head MC固定式粗镗头</p>  <p>A33</p>	<p>KSD-W Indexable Insert Drill (3xD) KSD-W会弃式快速钻头 (3倍长)</p>  <p>A34-A35</p>	<p>KSD-W Indexable Insert Drill (4xD) KSD-W会弃式快速钻头 (4倍长)</p>  <p>A36-A37</p>	<p>KSD-S Indexable Insert Drill (3xD) KSD-S会弃式快速钻头 (3倍长)</p>  <p>A38-A39</p>
<p>KSD-S Indexable Insert Drill (4xD) KSD-S会弃式快速钻头 (4倍长)</p>  <p>A40-A41</p>	<p>KSD-S Indexable Insert Drill (4xD) KSD-S会弃式快速钻头 (5倍长)</p>  <p>A42-A43</p>	<p>HSK-DCK Boring Adapter HSK-DCK镗头刀柄</p>  <p>A44-A45</p>	<p>BT-DCK Boring Adapter BT-DCK镗头刀柄</p>  <p>A46-A47</p>
<p>BBT-DCK Boring Adapter BBT-DCK镗头刀柄</p>  <p>A48-A49</p>	<p>SK-DCK Boring Adapter SK-DCK镗头刀柄</p>  <p>A50-A51</p>	<p>CAT-DCK Boring Adapter CAT-DCK镗头刀柄</p>  <p>A52</p>	<p>NBH2084 Boring Adapter NBH2084镗头刀柄</p>  <p>A52</p>
<p>FM Boring Adapter FM镗头刀柄</p>  <p>A53</p>	<p>BT-SLBK Anti-Vibration Boring Holder BT-SLBK减振阻尼镗头刀柄</p>  <p>A54</p>	<p>DCK Extension DCK等径延长接柄</p>  <p>A55</p>	<p>DCK Reducer DCK异径转换接柄 (大接小)</p>  <p>A55</p>
<p>SCB Solid Carbide Boring Bar SCB硬质合金镗刀杆</p>  <p>A56</p>	<p>SSB-32 Boring Holder SSB-32直柄镗刀杆</p>  <p>A56</p>	<p>CR Chamfering Cutter CR倒角刀</p>  <p>A57</p>	<p>DCK Chamfering Head DCK倒角刀头</p>  <p>A58</p>
<p>MKT Boring Cartridge MKT微调精镗单元</p>  <p>A59</p>	<p>MAC Boring Cartridge MAC微调精镗刀座</p>  <p>A62</p>	<p>Inserts Holder SFC For Roughing SFC粗镗刀座</p>  <p>A64</p>	<p>Inserts Holder SFC For Roughing SFC粗镗刀座</p>  <p>A64</p>

Inserts Holder SLC For Roughing  
SLC粗锉刀座



A64

Inserts Holder SSC For Roughing  
SSC粗锉刀座



A65

Inserts Holder SSC For Roughing  
SSC粗锉刀座



A65

HSK Blank Adapter  
HSK毛坯刀柄



A66

BT Blank Adapter  
BT毛坯刀柄



A66

SK Blank Adapter  
SK毛坯刀柄



A66

Customized Tools  
非标刀具



A67-70

Manuals Of Boring Tools  
说明书



A71-A77

HSK-A-DHP Hydraulic Chuck  
HSK-A-DHP 液压刀柄



B08-B09

HSK-A-DHP Super Slim Hydraulic Chuck  
HSK-A-DHP 超细长液压刀柄



B09

HSK-A-SF Shrink Fit Holder  
HSK-A-SF 烧结式热装刀柄 (一体式)



B10-B11

HSK-A-DSF Shrink Fit Holder  
HSK-A-DSF 烧结式热装刀柄 (分体式)



B12

HSK-A-DC Precision Slim Collet Chuck  
HSK-A-DC 小径精密筒夹刀柄



B12

HSK-A-GSK High Precision Collet Chuck  
HSK-A-GSK 高速精密筒夹刀柄



B13

HSK-A-ER Spring Collet Chuck  
HSK-A-ER 弹性筒夹刀柄



B14-B15

HSK-A-VER Split Synch Tapping Chuck  
HSK-A-VER 分体式微补偿攻牙刀柄



B15

HSK-TPG Split Rigid Tapping Chuck  
HSK-TPG 分体式刚性攻牙刀柄



B16

HSK-TPM Tapping Chuck With High Rigidity  
HSK-TPM 扭力伸缩攻牙刀柄



B17

HSK-A-HPM High-Speed Power Chuck  
HSK-A-HPM 高速强力刀柄



B17

HSK-A-HPC High-Speed Power Chuck  
HSK-A-HPC 高速强力刀柄



B18

HSK-A-SLN Side-lock Holder  
HSK-A-SLN 侧锁式刀柄



B19

HSK-A-SLNB Side-lock Holder  
HSK-A-SLNB 侧锁式刀柄



B20

HSK-A-MTA Morse Taper Adapter  
HSK-A-MTA 莫氏锥套刀柄 (钻头套筒)



B20

HSK-A-SPU Drill Chuck Holder  
HSK-A-SPU 直结式钻夹头刀柄



B21

HSK-A-FMB Face Mill Holder  
HSK-A-FMB 平面铣刀柄



B21

BT-DHP Hydraulic Chuck  
BT-DHP 液压刀柄



B22-B23

BT-DHP Short Design Hydraulic Chuck  
BT-DHP 短款液压刀柄



B24

BT-DHP Super Slim Hydraulic Chuck  
BT-DHP 超细长液压刀柄



B24

BT-SF Shrink Fit Holder  
BT-SF 烧结式热装刀柄 (一体式)



B25-B27

BT-DSF Shrink Fit Holder  
BT-DSF 烧结式热装刀柄 (分体式)



B27

BT-DC Precision Slim Collet Chuck  
BT-DC 小径精密筒夹刀柄



B28

BT-GSK High Precision Collet Chuck  
BT-GSK 高速精密筒夹刀柄



B29-B30

BT-DSK High Precision Collet Chuck  
BT-DSK 高速精密筒夹刀柄



B30-B31

BT-ER Spring Collet Chuck  
BT-ER 弹性筒夹刀柄



B32-B33

BT-VER Split Synch Tapping Chuck  
BT-VER 分体式微补偿攻牙刀柄



B33

BT-TPG Split Rigid Tapping Chuck  
BT-TPG 分体式刚性攻牙刀柄



B34

BT-TPM Tapping Chuck With High Rigidity  
BT-TPM 扭力伸缩攻牙刀柄



B34

BT-HPM High-Speed Power Chuck  
BT-HPM 高速强力刀柄



B35

BT-HPC High-speed Power Chuck  
BT-HPC 高速强力刀柄



B36

BT-MLC Power Chuck  
BT-MLC 强力刀柄



B37

BT-MLC Power Chuck Kit  
BT-MLC 强力筒夹本体套装组



B37

BT-SLN Side-lock Holder  
BT-SLN 侧锁式刀柄



B38-B39

BT-MTA Morse Taper Holder  
BT-MTA 莫氏锥套刀柄 (钻头套筒)



B40

BT-MTB Morse Taper Holder  
BT-MTB 莫氏锥套刀柄 (螺丝锁紧)



B41

BT-SPU Drill Chuck Holder  
BT-SPU 直结式钻夹头刀柄



B41

BT-FMA Face Mill Holder  
BT-FMA 平面铣刀柄 (直柄式)



B42

BT-FMB Face Mill Holder  
BT-FMB 平面铣刀柄 (直柄式)



B43

BT-FMB-BG Face Mill Holder With Extra Taper Shank  
BT-FMB-BG 平面铣刀柄 (加长斜度柄)



B44

BT-SLO Oil-feed Holder  
BT-SLO 油路刀柄



B45

CSO Reducing Sleeve  
CSO 油路刀套



B45

PB Oil-feed Holder Positioning Block  
PB 油路止动块



B45

SK-DHP Hydraulic Chuck  
SK-DHP 液压刀柄



B46-B47

SK-DHP Short Design Hydraulic Chuck  
SK-DHP 短款液压刀柄



B48

SK-DHP Super Slim Hydraulic Chuck  
SK-DHP 超细长液压刀柄



B49

SK-SF Shrink Fit Holder  
SK-SF 烧结式热装刀柄 (一体式)



B49-B51

SK-DSF Shrink Fit Holder  
SK-DSF 烧结式热装刀柄 (分体式)



B51

SK-DC Precision Slim Collet Chuck  
SK-DC 小径精密筒夹刀柄



B52

SK-GSK High Precision Collet Chuck  
SK-GSK 高速精密筒夹刀柄



B53-B54

SK-DSK High Precision Collet Chuck  
SK-DSK 高速精密筒夹刀柄



B55-B56

SK-ER Spring Collet Chuck  
SK-ER 弹性筒夹刀柄



B57-B58

SK-VER Split Synch Tapping Chuck  
SK-VER 分体式微补偿攻牙刀柄



B58

SK-TPG Split Rigid Tapping Chuck  
SK-TPG 分体式刚性攻牙刀柄



B59

SK-TPM Tapping Chuck With High Rigidity  
SK-TPM 扭力伸缩攻牙刀柄



B59

SK-HPM High-Speed Power Chuck  
SK-HPM 高速强力刀柄



B60

SK-HPC High-Speed PowerChuck  
SK-HPC高速强力刀柄



B60

SK-MLC Power Chuck  
SK-MLC强力刀柄



B61

SK-MLC Power Chuck Kit  
SK-MLC强力筒夹本体套装组



B61

SK-SLN Side Lock Holder  
SK-SLN侧固式刀柄



B62

SK-MTA Morse Taper Holder  
SK-MTA莫氏锥套刀柄 (钻头套筒)



B63

SK-MTB Morse Taper Holder  
SK-MTB莫氏锥套刀柄 (螺丝锁紧)



B63

SK-SPU Drill Chuck Holder  
SK-SPU直钻式钻夹头刀柄



B64

SK-FMB Face Milling Holder  
SK-FMB平面铣刀柄



B64

SK-SLO Oil-feed Holder  
SK-SLO油路刀柄



B65

DSF Shrink Fit Extender  
DSF烧结式热装延长杆



B66

SF Shrink Fit Extender  
SF烧结式热装延长杆



B67

DC Collet Extender  
DC小径延长杆



B67

DSK Collet Extender  
DSK弹性筒夹延长杆



B68

ER Collet Extender (M-Type)  
M型ER弹性筒夹延长杆



B68

ER Collet Extender  
ER弹性筒夹延长杆



B69

DCK-VER Split Synch Tapping Chuck  
DCK-VER分体式微补偿攻牙刀柄



B69

C-VER Split Synch Tapping Chuck  
C-VER分体式微补偿攻牙刀柄



B70

VER Split Synch Tapping Extender  
VER分体式微补偿攻牙延长杆



B70

VER-DC Split Synch Tapping Extender  
VER-DC分体式微补偿攻牙延长杆



B71

VER Lock(Fixed)  
VER锁刀座



B71

Hydraulic Collet - Flange Cooling  
D型端面出水液压力柄转换筒夹



B72

Hydraulic Collet - Internal Cooling  
OD型中心出水液压力柄转换筒夹



B72

DSK Precision Collet  
DSK精密弹性筒夹



B73

DSK-C Sealing Precision Collet  
DSK-C止水精密弹性筒夹



B74

DSK Collet Puller  
DSK筒夹拆卸器



B74

DC Slim Collet  
DC小径筒夹



B75

ER Collet  
ER弹性筒夹



B76

ER-C Sealing Collet  
ER-C止水弹性筒夹



B77

TPE312 Tapping Collet  
TPE312攻牙筒夹



B78

TPE1024 Tapping Collet  
TPE1024攻牙筒夹



B79

TPD316 Tapping Collet  
TPD316攻牙筒夹



B80

TPD830 Tapping Collet  
TPD830攻牙筒夹



B81

ER Tapping Collet  
ER攻牙筒夹



B82

SC Power Collet  
SC强力筒夹



B83

Clamping Nut For GSK/DSK Collet Chuck  
GSK/DSK高速刀柄专用螺母



B84

Clamping Nut For ER Collet Chuck  
ER夹头螺母



B84

Wrench for HSK Coolant Pipe  
HSK冷却液导接管扳手



B85

Wrench For GSK Tool Holder  
GSK套筒专用扳手



B85

Wrench For DSK Tool Holder  
DSK专用扳手



B85

Wrench For ER Tool Holder  
ER专用扳手



B85

Wrench For Milling Chuck HPM  
HPM弹性套筒专用扳手



B86

Wrench For Tool Holder MLC/HPC  
MLC/HPC强力刀柄专用扳手



B86

Wrench For Drill Chuck SPU  
SPU钻夹头专用扳手



B86

Wrench For DC Extender  
DC延长杆专用扳手



B86

HSK-CPA Coolant Pipe  
HSK-CPA填充管



B87

BT Pull Stud Without Hole  
BT螺柱拉头



B87

BT Pull Stud With Cooling Hole  
BT螺柱出水拉头



B87

SK Pull Stud With Cooling Hole  
SK螺柱拉头



B88

CAT Pull Stud With Cooling Hole  
CAT螺柱出水拉头



B88

MAZAK Pull Stud  
MAZAK螺柱拉头



B88

DIN2080 Pull Stud  
DIN2080螺柱拉头



B89

MTB Tension Screw  
MTB拉紧拉头



B89

Hydraulic Collet - Flange Cooling  
D型端面出水液压力柄转换筒夹



B72

Hydraulic Collet - Internal Cooling  
OD型中心出水液压力柄转换筒夹



B72

DSK Precision Collet  
DSK精密弹性筒夹



B73

DSK-C Sealing Precision Collet  
DSK-C止水精密弹性筒夹



B74

DSK Collet Puller  
DSK筒夹拆卸器



B74

DC Slim Collet  
DC小径筒夹



B75

ER Collet  
ER弹性筒夹



B76

ER-C Sealing Collet  
ER-C止水弹性筒夹



B77

TPE312 Tapping Collet  
TPE312攻牙筒夹



B78

TPE1024 Tapping Collet  
TPE1024攻牙筒夹



B79

TPD316 Tapping Collet  
TPD316攻牙筒夹



B80

TPD830 Tapping Collet  
TPD830攻牙筒夹



B81

SF-3500 Induction Heating Machine  
SF-3500电磁感应热缩机



B91

Tool Holder Adapter  
刀柄底座



B91

Induction Head  
底座圆筒



B91

Clamp For Tools  
铁刀弹簧卡片



B91

Clamp Ring  
卡簧钳



B91

DK Tool Presetter  
DK刀具设定仪



B94

Testing Bar  
机床主轴跳动测试棒



B94

Adapter  
变径转换套



B94

MFXX Indexable End Mill  
MFXX型 90° 端铣刀



C01

Type-MFXN Square Face Milling cutter  
MFXN型 90° 面铣刀



C02

Type-MFVN Square Face Milling cutter  
MFVN型 90° 面铣刀



C03

Type-HN45 45° Face Mill  
HN45型 45° 面铣刀



C04

Type- SN45 45° Face Mill  
SN45型 45° 面铣刀



C05

ASR Screw-on Cutter For High-feed Milling  
ASR锁牙式大进给端铣刀头



C06

EMR Screw-on Milling Cutter  
EMR锁牙式端铣刀头



C06

TRS Screw-on Milling Cutter  
TRS锁牙式端铣刀头



C07

RCF Screw-on Ball-nose Cutter For Roughing  
RCF锁牙式球形粗刀头



C07

BF Screw-on Ball-nose Cutter For Finishing  
BF锁牙式球形精铣刀头



C08

300R/400R Screw-on Milling Cutter  
300R/400R锁牙式清角端铣刀头



C08

AJU Screw-on Cutter For Drilling Milling  
AJU锁牙式过中心钻铣刀头



C09

R390 Screw-on Milling Cutter  
R390锁牙式端铣刀头



C09

DS Solid Carbide Holder  
DS抗振铣刀头接杆



C10

AJX High Feed Indexable Milling Tool  
AJX大进给立铣刀



C12

EXP High Feed Indexable Milling Tool  
EXP大进给立铣刀



C13

SKS High Feed Indexable Milling Tool  
SKS大进给立铣刀



C14

ASR High-feed Milling Cutter  
ASR大进给立铣刀



C15

AHJ Shoulder Milling Cutter  
AHJ清角台肩铣刀



C16-C17

JRC Indexable End Mill  
JRC舍弃式端铣刀



C18

EMR Indexable End Mill  
EMR舍弃式端铣刀



C19-C20

EMRT Indexable End Mill  
EMRT舍弃式端铣刀



C21

TRS Indexable Milling Cutter  
TRS舍弃式端铣刀



C22-C23

RCF Ball-nose Indexable Cutter For Roughing  
RCF球形粗刀头



C24

RCFL Ball-nose Indexable Cutter For Roughing  
RCFL球形粗刀头



C25

BF Ball-nose Milling Cutter For Finishing  
BF球头精加工立铣刀



C26

300R/400R High Speed Indexable End Mill  
300R/400R清角高速端铣刀



C27-C28

AJJ Cutter For Centering And Drilling  
AJJ过中心钻铣刀



C29

TCP Power Milling Cutter  
TCP强力立铣刀



C30

R390 Indexable End Mill  
R390舍弃式端铣刀



C31

ATS T-Slot Milling Cutter  
ATS-T型槽端铣刀



C32

ASL Cutter For Drilling And Milling  
ASL钻铣共用型铣刀(短刃型)



C32

ASJ Cutter For Drilling And Milling  
ASJ钻铣共用型铣刀(短刃型)



C33

SKM High-speed Milling Cutter  
SKM高速面铣刀



C33

TP Shoulder Milling Cutter  
TP舍弃式直角铣刀



C34

APE Shell Mill For Roughing  
APE粗切前铣刀



C35

SPE Shell Mill For Roughing  
SPE粗切前铣刀



C35

CH Indexable Cutter For Pocketing  
CH螺旋沉头孔铣刀



C36

TP30,45,60 Chamfering Cutter  
TP30度,45度,60度直柄型倒角刀



C36

EM45° Internal And External Chamfering Cutter  
EM45度内外倒角刀



C37

SSK45° Chamfering Cutter  
SSK45度舍弃式倒角刀



C37

SSP45° Cutter For Centering And Chamfering  
SSP45度定位倒角刀



C38

SB Chamfering Cutter  
SB新型倒角刀



C38

AJX High-feed Face Mill  
AJX大进给面铣刀头



C39

TXP High-feed Face Mill  
TXP大进给面铣刀头



C40

SKS High-feed Face Mill  
SKS大进给面铣刀头



C41

JRC Face Milling Cutter  
JRC圆刀刃平面铣刀头



C42

EMRW Face Milling Cutter  
EMRW圆刀刃平面铣刀头



C43

TRS Face Milling Cutter  
TRS圆刀刃平面铣刀头



C44

PE75° Face Milling Cutter  
PE75度平面铣刀头



C45

400R Square Face Mill  
400R清角平面铣刀头



C45

TP90° Square Face Mill  
TP90度直角面铣刀头



C46

TP90° Square Face Mill  
TP90度直角面铣刀头



C46

FP45° Face Mill Head  
FP45度平面铣刀头



C47

FP75° Face Mill Head  
FP75度平面铣刀头



C47

SE45° High-speed Face Mill  
SE45度高速平面铣刀头



C48

AMC Shell Mill For Roughing  
AMC壳式粗切前铣刀



C49

PMC Shell Cutter For Roughing  
PMC壳式粗切前铣刀



C49

TDC Slot Milling Cutter  
TDC槽铣刀



C50

TDCW Slot Milling Cutter  
TDCW槽铣刀



C51

GDC Indexable Side Cutter For Slotting  
GDC舍弃式侧铣刀



C52

SDC Indexable Side Cutter For Slotting  
SDC舍弃式侧铣刀



C53

CDC Indexable Side Cutter For Slotting  
CDC舍弃式侧铣刀



C54

WDC Indexable Side Cutter For Slotting  
WDC舍弃式侧铣刀



C55

MCLNR/L



D01

MCBNR/L



D01

MCKNR/L

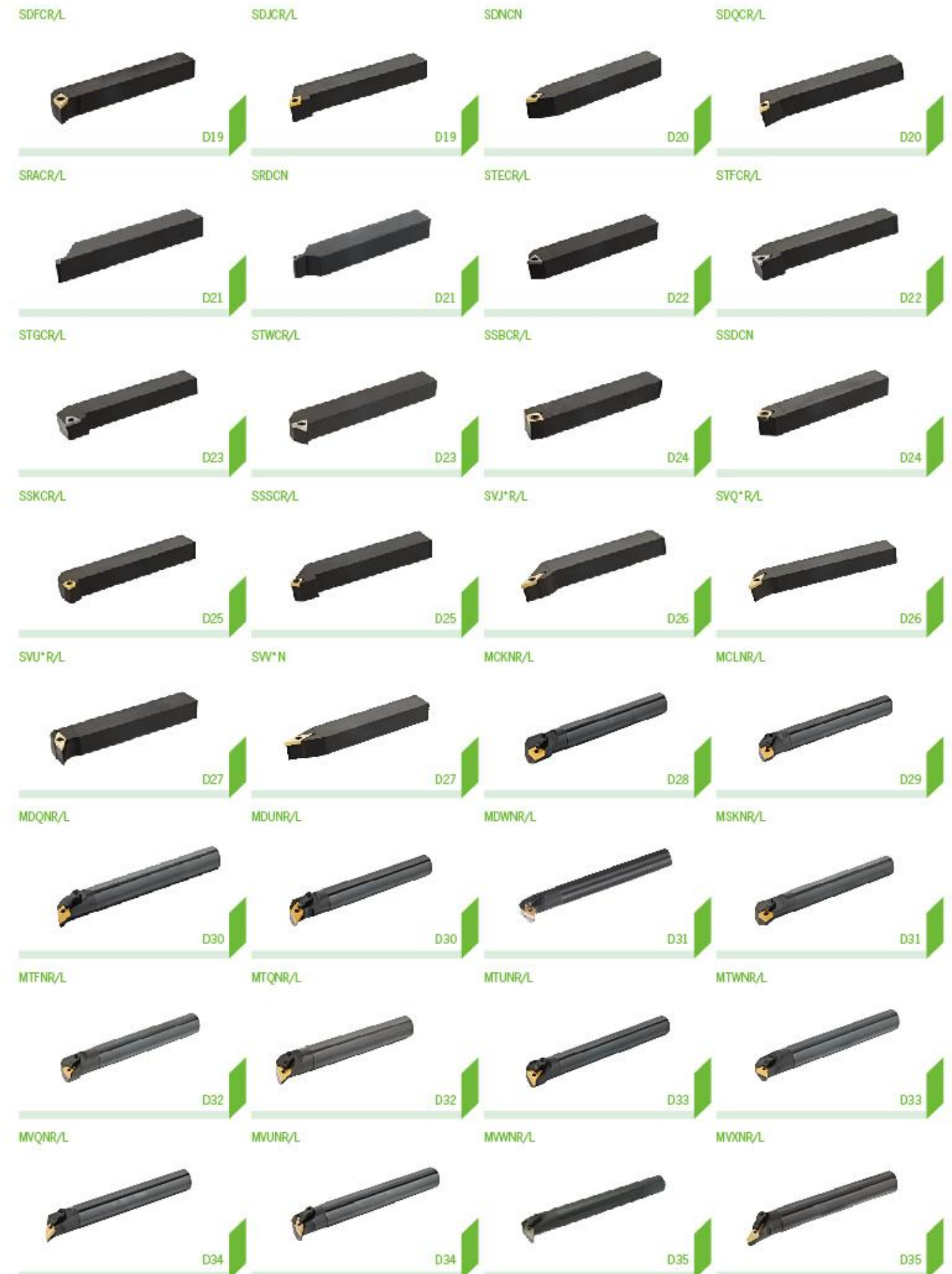


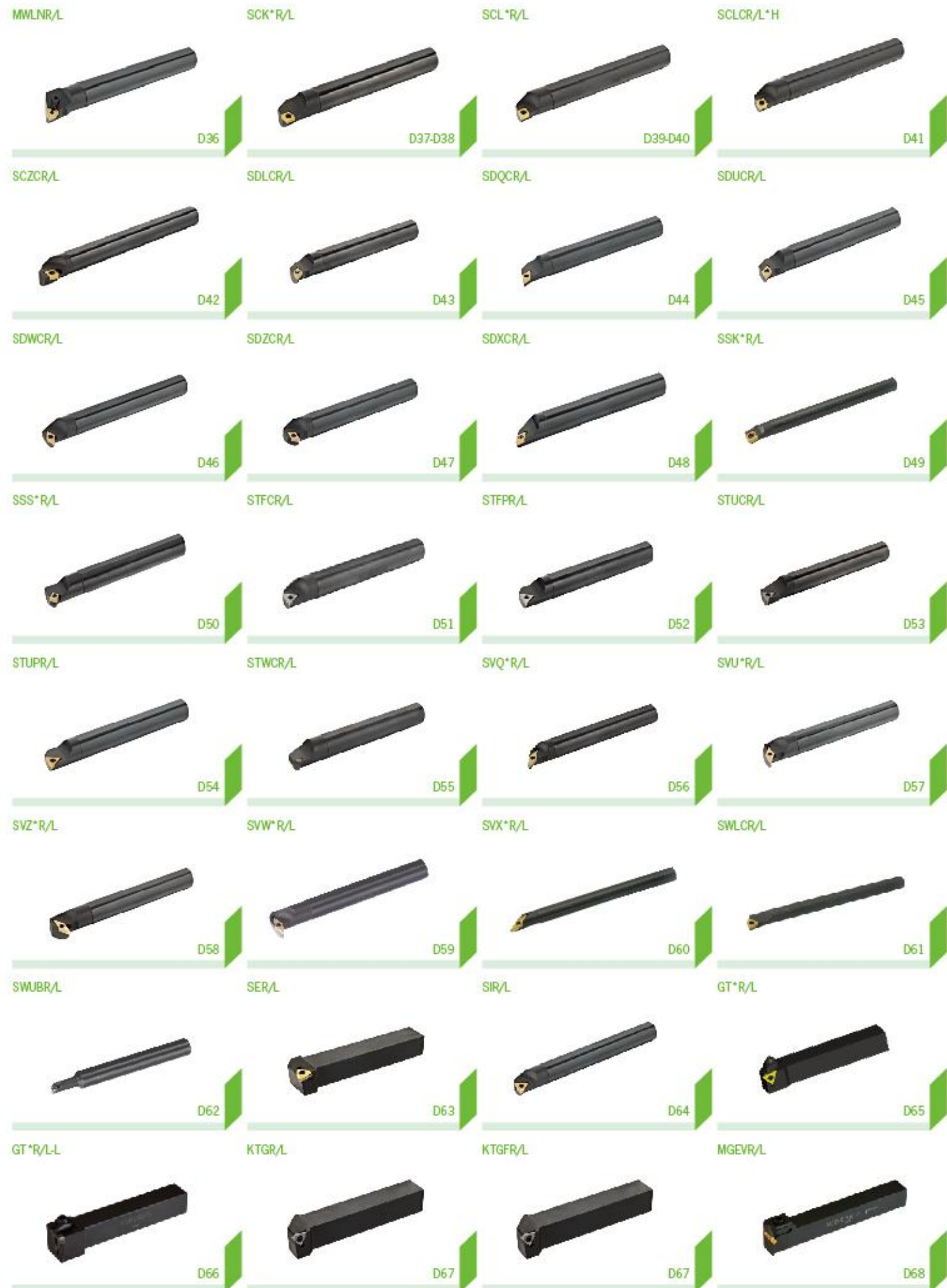
D02

MCGNR/L



D02





DG4-GE / Square / Standard / 4 Flutes  
DG4-GE四刃直柄平头立铣刀



E18

DG4-GEL / Square / Long / 4 Flutes  
DG4-GEL四刃直柄长刃平头立铣刀



E19

DG6-E / Square / Standard / 6 Flutes  
DG6-E六刃直柄平头立铣刀



E20

DG6-EL / Square / Long / 6 Flutes  
DG6-EL六刃直柄长刃平头立铣刀



E21

DG2-B / Ball / Standard / 2 Flutes  
DG2-B两刃直柄球头立铣刀



E22

DG2-BL / Ball / Long / 2 Flutes  
DG2-BL两刃直柄长柄球头立铣刀



E23

DG2-BP / Ball / Long Neck / Short Flute / 2 Flutes  
DG2-BP两刃直柄长颈短刃球头立铣刀



E24-E25

DG4-B / Ball / Standard / 4 Flutes  
DG4-B四刃直柄球头立铣刀



E26

DG4-BL / Ball / Long / 4 Flutes  
DG4-BL四刃直柄长柄球头立铣刀



E27

DG2-R / Corner Radius / Standard / 2 Flutes  
DG2-R两刃直柄圆弧立铣刀



E28

DG4-R / Corner Radius / Standard / 4 Flutes  
DG4-R四刃直柄圆弧立铣刀



E29

DG4-RL / Corner Radius / Long / 4 Flutes  
DG4-RL四刃直柄长柄圆弧立铣刀



E30

DG4-W / Square / Standard / 4 Flutes / Waving  
DG4-W四刃直柄平头波形刃立铣刀



E31

DH2-E / Square / Standard / 2 Flutes  
DH2-E两刃直柄平头立铣刀



E32

DH2-ES / Square / Micro / 2 Flutes  
DH2-ES两刃直柄微小径平头立铣刀



E33

DH2-EP / Square / Long Neck / Short Flute / 2 Flutes  
DH2-EP两刃直柄长颈短刃平头立铣刀



E34-E35

DH4-E / Square / Standard / 4 Flutes  
DH4-E四刃直柄平头立铣刀



E36

DH4-EL / Square / Long / 4 Flutes  
DH4-EL四刃直柄长刃平头立铣刀



E37

DH6-E / Square / Standard / 6 Flutes  
DH6-E六刃直柄平头立铣刀



E38

DH6-EL / Square / Long / 6 Flutes  
DH6-EL六刃直柄长刃平头立铣刀



E39

DH2-B / Ball / Standard / 2 Flutes  
DH2-B两刃直柄球头立铣刀



E40

DH2-BL / Ball / Long / 2 Flutes  
DH2-BL两刃直柄长柄球头立铣刀



E41

DH2-BP / Ball / Long Neck / Short Flute / 2 Flutes  
DH2-BP两刃直柄长颈短刃球头立铣刀



E42-E43

DH2-BS / Ball / Micro / 2 Flutes  
DH2-BS两刃直柄微小径球头立铣刀



E44

DH4-B / Ball / Standard / 4 Flutes  
DH4-B四刃直柄球头立铣刀



E45

DH4-R / Corner Radius / Standard / 4 Flutes  
DH4-R四刃直柄圆弧立铣刀



E46

DH4-RF / Corner Radius / Short Flute / 4 Flutes  
DH4-RF四刃直柄短刃圆弧立铣刀



E47

DH4-RP / Corner Radius / Long Neck / Short Flute / 4 Flutes  
DH4-RP四刃直柄长颈短刃圆弧立铣刀



E48

DL2-E / Square / Standard / 2 Flutes  
DL2-E两刃直柄平头立铣刀



E49

DL2-EL / Square / Long / 2 Flutes  
DL2-EL两刃直柄长刃平头立铣刀



E50

DL3-E / Square / Standard / 3 Flutes  
DL3-E三刃直柄平头立铣刀



E51

DL3-EL / Square / Long / 3 Flutes  
DL3-EL三刃直柄长刃平头立铣刀



E52

DL2-B / Ball / Standard / 2 Flutes  
DL2-B两刃直柄球头立铣刀



E53

DL3-W / Square / Standard / 3 Flutes / Waving  
DL3-W三刃直柄平头波形刃立铣刀



E54

TBGT\*\*\*\*\*L



F16

TPGH\*\*\*\*\*L



F16

TPGX\*\*\*\*\*



F16

TCMT\*\*\*\*\*HF



F17

TCMT\*\*\*\*\*HF



F17

CCMT\*\*\*\*\*HM



F17

CCMT\*\*\*\*\*HR



F17

CCGX\*\*\*\*\*AL



F17

WCMX\*\*\*\*\*DT



F18

WCMX\*\*\*\*\*



F18

WCGT\*\*\*\*\*TM



F18

SPMT\*\*\*\*\*EM



F18

WNGJD80608N-GM



F19

XNMXD40308-GM



F19

HNGX0907ANSN-R



F19

SNMX1205ATN



F19

WPKW\*\*\*\*\*



F20

WDMW\*\*\*\*\*ZTR



F20

EPMT0603TN



F20

RCET\*\*\*\*MO



F21

RCKT\*\*\*\*MO\*



F21

RCKT\*\*\*\*MOR



F21

RPEW\*\*\*\*MO



F21

RPKW\*\*\*\*MO



F21

RPMT\*\*\*\*MOE-JS



F21

RDMT\*\*\*\*MOTN



F22

APKT\*\*\*\*\*PDFR-G2

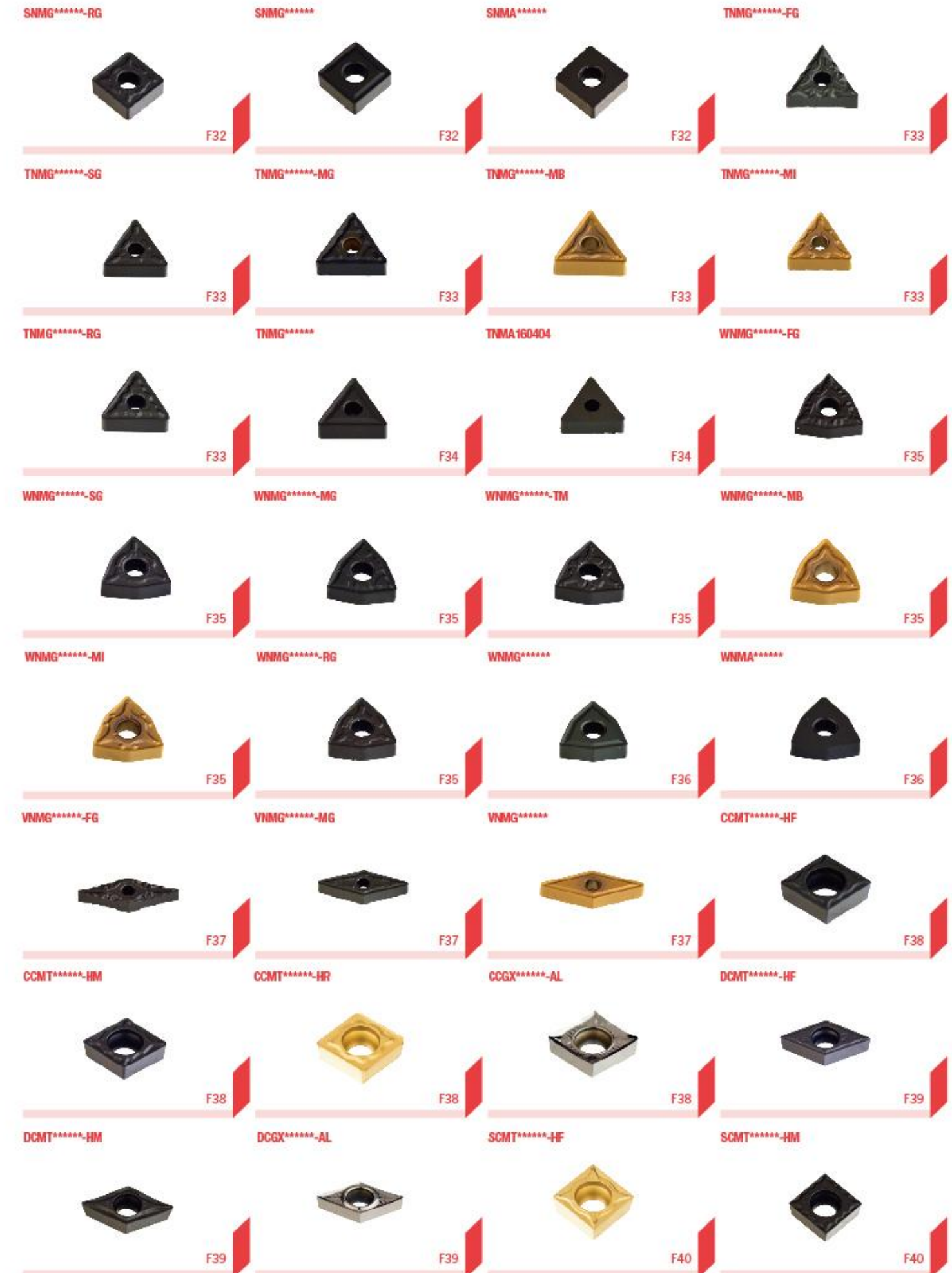
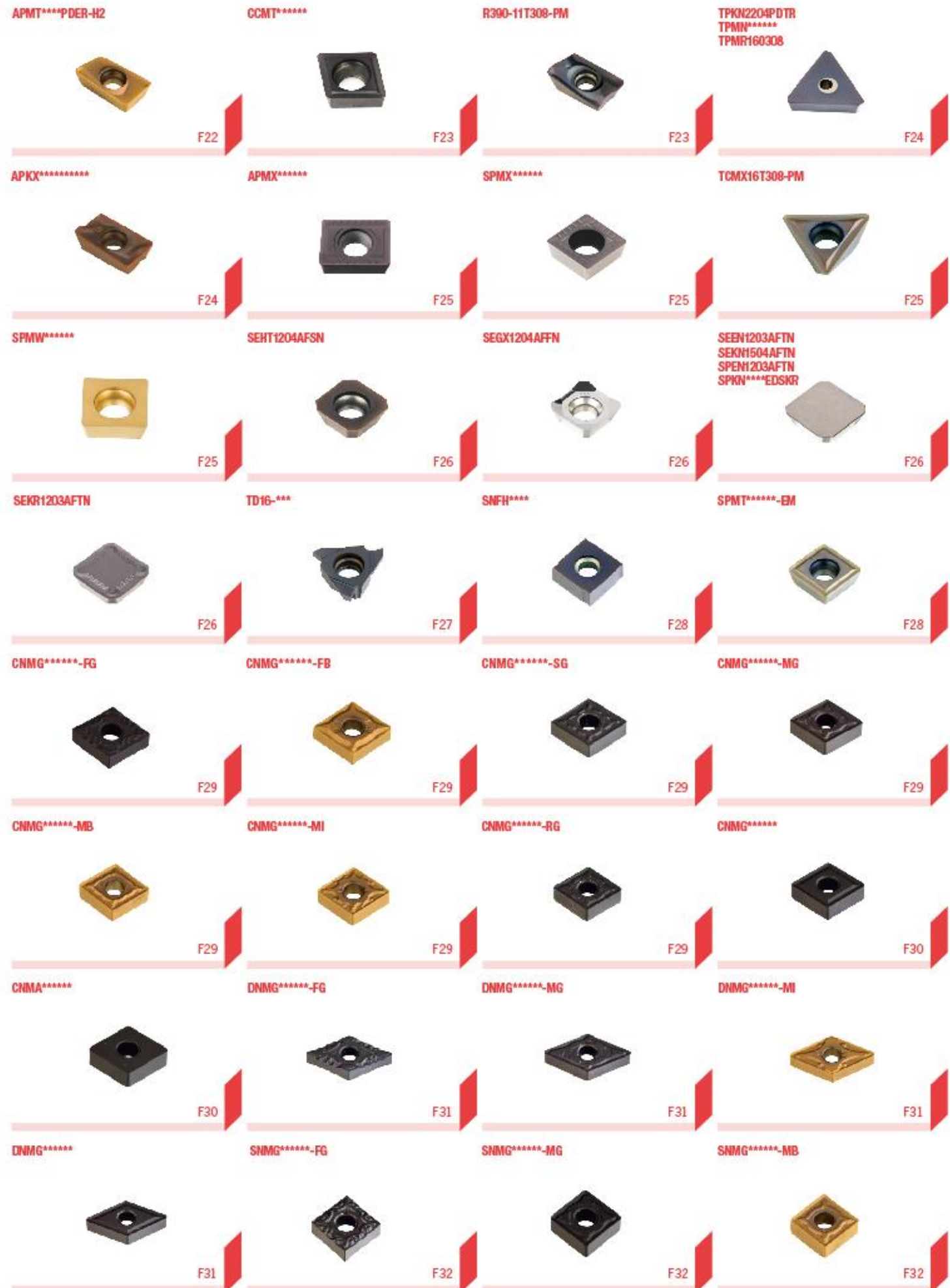


F22

APMT\*\*\*\*PDER-M2



F22

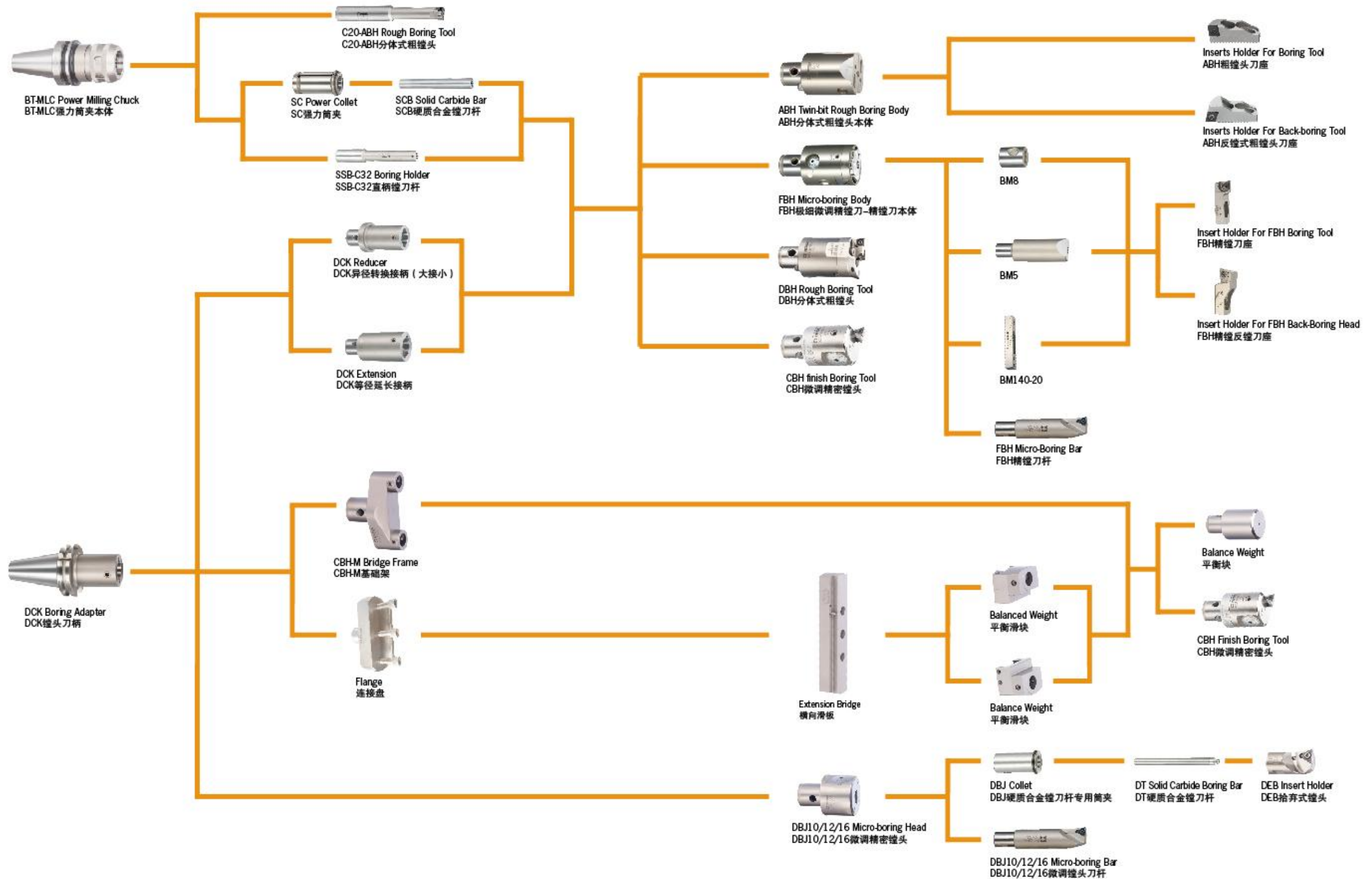


SCGX*****-AL  F40	TCMT*****-HF  F41	TCMT*****-HM  F41	TCGX*****-AL  F41
VBMT*****  F42	VBMT*****-MI  F42	VCMT*****  F42	MGMN***-G  F43
ZTED****-MG  F43	MGMN***-M  F43	**ER*60/**EL*60  F44	**R*60/**IL*60  F44
**ER*55/**EL*55  F45	**R*55/**IL*55  F45	**ER*150/**EL*150  F46	**R*150/**IL*150  F47
**ER**UN/**EL**UN  F48	**R**UN/**IL**UN  F49	**ER**W/**EL**W  F50	**R**W/**IL**W  F51
**ER**TR/**EL**TR  F52	**R**TR/**IL**TR  F52		
Insert Screw 刀片螺钉 G01-G02 	Insert Screw for CBH Insert Holder CBH刀片座锁紧螺钉 G02 	Locking Screw 内六角螺钉 G03 	Locking Screw 紧定螺钉 G04 
Locking Screw 专用内六角螺钉 G05-G06 	For DC Slim Collet Chuck 止动螺母 G07 	For Face Mill Arbor 键销 G07 	Washer For Face Mill Arbor 垫圈 G07 

Adjusting Screw 调整螺钉 G08 	For FBH Tools 过渡螺母 G08 	Washer For ABH/DBH Boring Tool 垫片 G08 	Insert Seat / Clamp 刀片座/压板 G09 
Wrench For MKT Boring Tool MKT专用扳手 G09 	Wrench - Flag 旗形星形扳手 G10 	Wrench - T T形扳手 G10 	Wrench - Star 直柄星形扳手 G10 
Allen Key L形扳手 G10 	O Ring O形圈 G11 	Block Nut 限位螺母 G11 	Stop Pin 限位销 G11 
Block Pin 挡销 G11 	Shim For Turning Tool Holder 车刀刀垫 G12 	Clamp For Turning Tool Holder 车刀压板 G12 	Clamp Screw For Turning Tool Holder 车刀压板螺钉 G13 
Center Screw For Turning Tool Holder 车刀中心螺钉 G13 	C Ring For W-type Turning Tool Holders C形环 G13 	Spring For GTBR Grooving Tools 弹簧 G13 	Screw For Turning Tool Holder 车刀螺钉 G14 
Z-Axial Zero Setter Z-量表式Z轴设定器 G15 	Z-Axial Zero Setter (Magnetic) Z-量表式Z轴设定器附磁性 G15 	3D-Master 三轴(3D)设定器 G15 	Titanium Coating Edge Finder 镀钛寻边器 G16 
Ceramic Edge Finder 陶瓷寻边器 G16 	Electronic Edge Sensor 光电式寻边器 G16 	Spindle Cleaner 清洁棒 G16 	Tool Lock (Fixed) 立卧式锁刀座 G17 
Tool Lock (Multi-Direction) 万向式锁刀座 G17 	Trolley For Tool Holder 刀库车 G17 	Tooling Sheath 刀柄座 G17 	

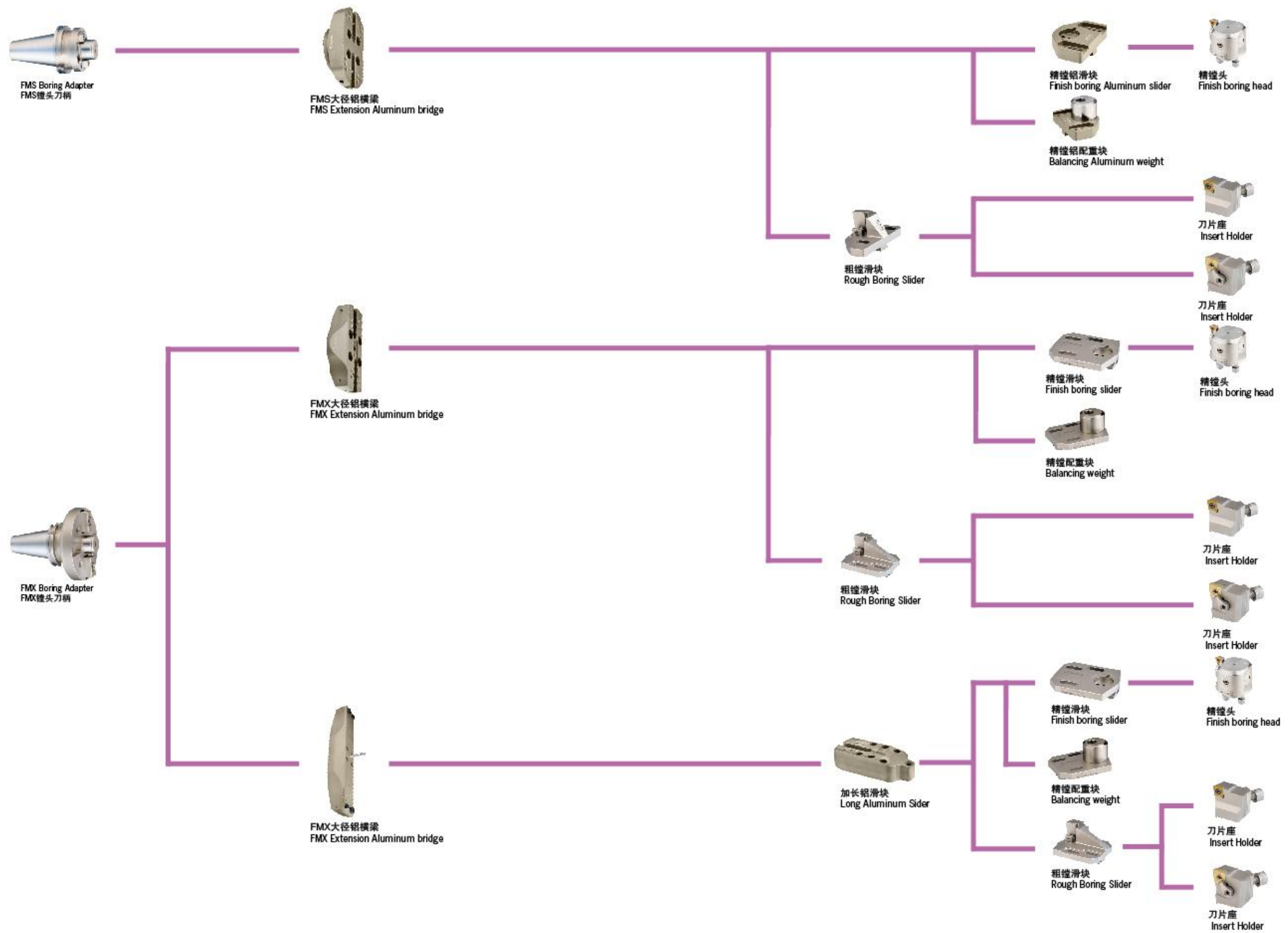
# DCK Modular Boring System

## DCK镗刀组合系统



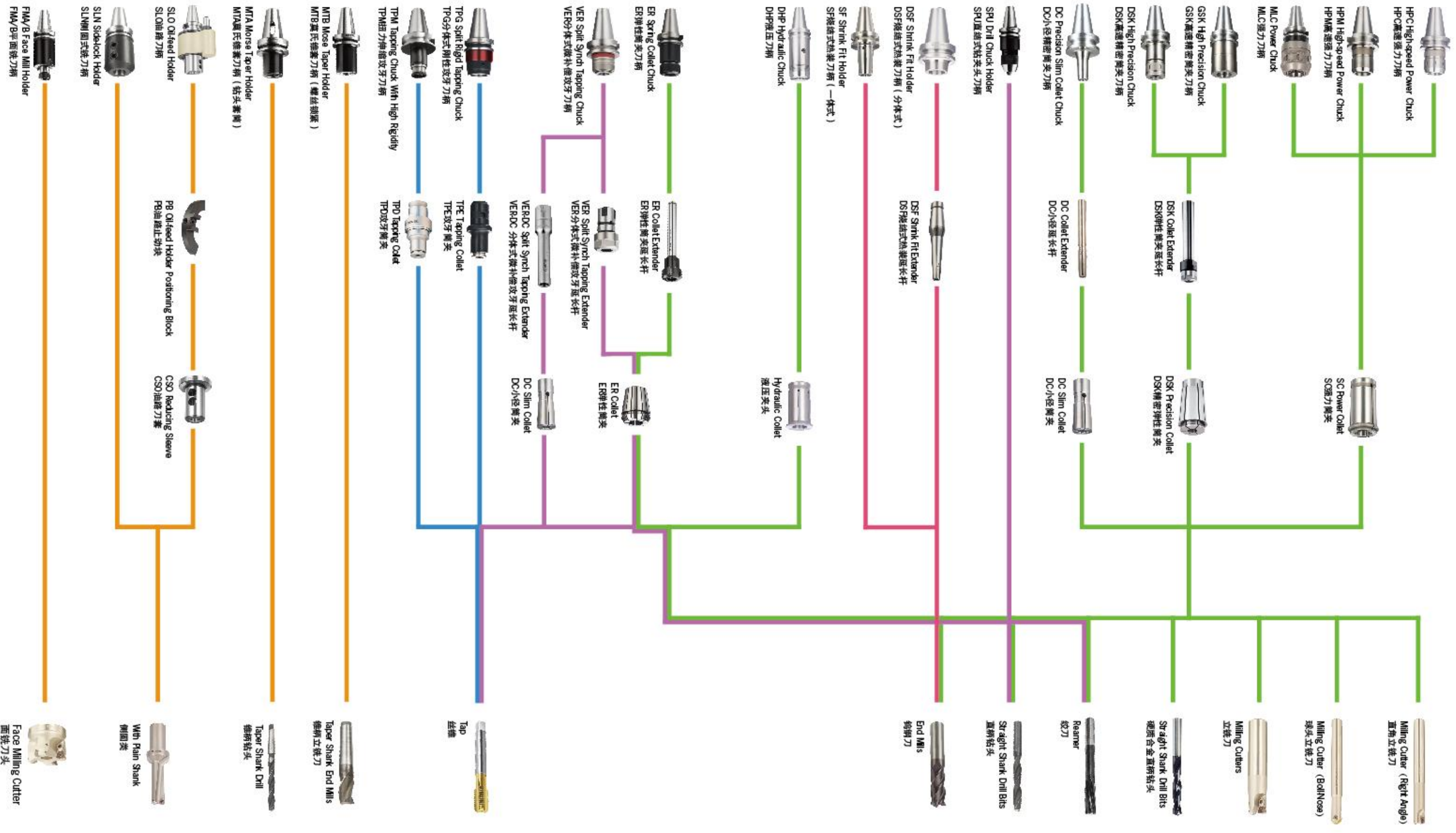
# FM Modular Boring System

## FM镗刀组合系统



# Tooling Arrangement Plan

## 工具系统配置图





# FBH

## FBH Micro Boring Tools - Characteristics FBH 极细微调精镗刀特别介绍

- 真正微米级超精密镗头，可调单位精度为直径0.002mm。
  - 每款镗头本体可搭配精镗刀片座，精镗刀杆或反镗刀片座，以满足不同加工形态。
  - 刀片座刀片安装为3度切入角，在盲孔加工时可有效清角。
  - 刀片座与本体采用齿状贴合，有效提高镗头的刚性与加工性能。
  - DCK-FBH精密镗头均具备内冷功能，可有较提高表面粗糙度，延长刀片使用寿命。
- Adjustment precision 0.002 mm on diameter.
  - One boring head with cartridge or boring bar can be used for boring and back boring.
  - Standard insert holder for inserts with lead angle 3°, for a better working performance during blind hole boring.
  - The extensive area serrated with connection between cartridge and boring head provides higher tool rigidity and working performance.
  - All DCK-FBH fine boring tools are with internal cooling design, which increases the surface finish and inserts tool life.

## FBH Back Boring Instructions FBH 极细微调精镗刀反镗说明

反镗加工需满足条件:

$$C > (D+d) / 2$$

D: 反镗加工孔直径 d: 镗头本体直径 C: 最小过孔直径

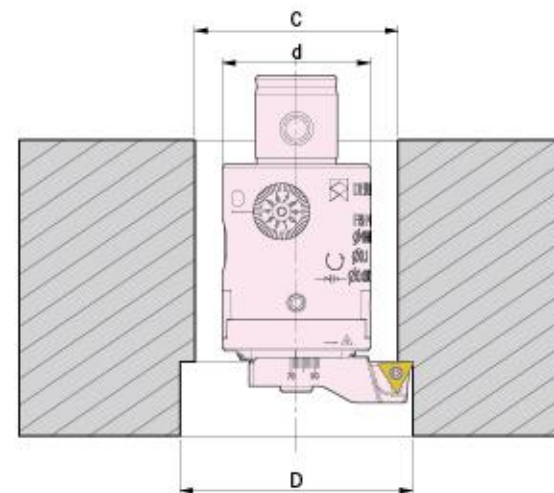
In order to check the feasibility of the back boring operation and to select the best possible tool combination, these values can be calculated as follows:

$$C > (D+d) / 2$$

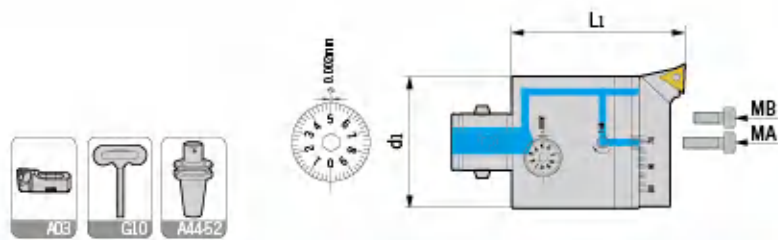
C: Minimum entry bore diameter

D: Back bore diameter

d: Diameter of tool body

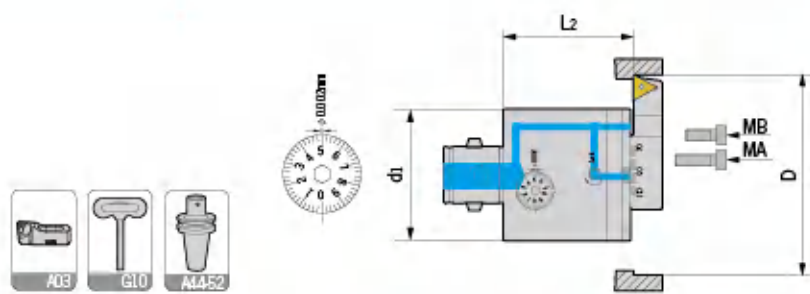


## FBH Micro-boring Tool FBH 极细微调精镗刀



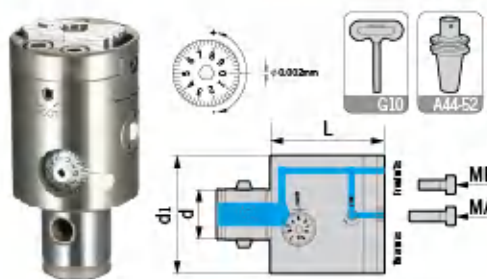
型号 Specification	d1	L1	镗孔范围 Boring range	组合刀柄 Adapter size	精镗刀座 Cartridge	微调锁紧螺钉 Adjusting screw	T型扳手 Wrench	重量 Weight
DCK2-FBH25-M	25	55	29-38	DCK2	MLTP2938	M040U050-D	T02	0.15
DCK3-FBH32-M	32	65	36-52	DCK3	MLTP3652	M040U060-D	T02	0.33
DCK4-FBH40-M	40	65	48-68	DCK4	MLTP4868	M050U080-D	T025	0.53
DCK5-FBH50-BM	50	82	57-80	DCK5	MLTP5780	M060U080-D	T03	1.02
DCK6-FBH63-BMA	64	82	70-110	DCK6	MLTP70110	M060U120-D	T03	1.70
DCK6-FBH80-BMB	80	101	110-150	DCK6	MLTP110150	M060U200-D	T03	3.50

## FBH Micro Back-boring Tool FBH 极细微调精镗反镗刀



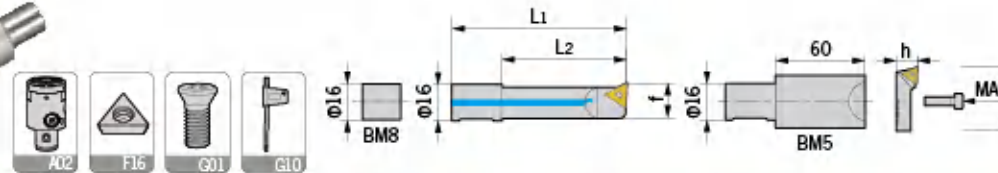
型号 Specification	d1	L2	镗孔范围 Boring range	组合刀柄 Adapter size	精镗刀座 Cartridge	微调锁紧螺钉 Adjusting screw	T型扳手 Wrench	重量 Weight
DCK2-FBH25-MK	25	44	29-38	DCK2	MRTP2938	M040U050-D	T02	0.13
DCK3-FBH32-MK	32	53.5	36-52	DCK3	MRTP3652	M040U060-D	T02	0.30
DCK4-FBH40-MK	40	53.5	48-68	DCK4	MRTP4868	M050U080-D	T025	0.50
DCK5-FBH50-BMK	50	63	57-80	DCK5	MRTP5780	M060U080-D	T03	1.00
DCK6-FBH63-BMKA	64	63	70-110	DCK6	MRTP70110	M060U120-D	T03	1.50
DCK6-FBH80-BMKB	80	81	110-150	DCK6	MRTP110150	M060U200-D	T03	3.30

## FBH Micro-boring Head FBH 极细微调精镗刀-精镗刀本体



型号 Specification	d	d1	L	Front	Rear	BM	MA Bolt	MB Bolt	L型扳手 Wrench	重量 Weight
DCK2-FBH25	14	25	43	1	1	BM6	E050U160-D	-	L04	0.10
DCK3-FBH32	18	32	53	1	1	BM7	E050U160-D	-	L04	0.31
DCK4-FBH40	22	40	53	2	2	BM7	E050U160-D	-	L04	0.50
DCK5-FBH50	28	50	63	2	2	BM8	E100U250-D	-	L08	0.93
DCK6-FBH63	36	64	63	2	2	BM8	E100U250-D	-	L08	1.56
DCK6-FBH80	36	80	80	4	4	BM8	E100U250-D	E100U160-D	L08	2.91

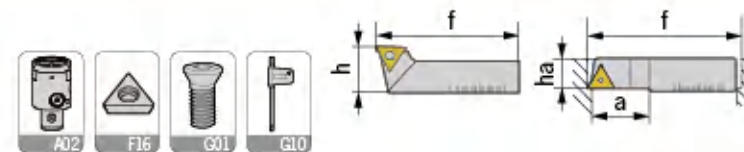
## FBH Micro-boring Bar FBH 精镗刀杆



型号 Specification	L1	L2	镗孔范围 Boring range	组合镗头 Boring body	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
DR 1606-21	56	34	6-9		WBGTO601..L	M020W040	Q06	0.04
1608-28	63	41	8-11		TBGT0601..L	M020W040	Q06	0.04
1610-35	63	41	10-13	DCK5-FBH50	TBGT0601..L	M020W040	Q06	0.05
1612-42	73	51	12-15		TPGH0902..L	M025W060	Q08	0.06
1614-50	78.5	56.5	14-17	DCK6-FBH63	TPGH0902..L	M025W060	Q08	0.08
1616-60	88	66	16-20		TPGH0902..L	M025W060	Q08	0.11
1620-65	92	70	20-24	DCK6-FBH80	TPGH1103..L	M030W070	Q08	0.16
1624-68	95	73	24-28		TPGH1103..L	M030W070	Q08	0.20
BM5	60+MLTP2938orMLTP3652orMLTP4868					E050U160-D	-	0.25
BM8	+MLTP5780orMLTP70110orMLIP110150					E100U250-D	-	0.04

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

## Cartridge for FBH Boring Tool FBH 精镗刀片座



型号 Specification	h	f	镗孔范围 Boring range	组合镗头 Boring head	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
MLTP 2938	11	27	29-38	DCK2-FBH25	TPGH0902..L	M025W050	Q08	0.01
3652	13	35	36-52	DCK3-FBH32	TPGH0902..L	M025W060	Q08	0.02
4868	13	43	48-68	DCK4-FBH40	TPGH0902..L	M025W060	Q08	0.03
5780	20	54	57-80	DCK5-FBH50	TPGH1103..L	M030W070	Q08	0.09
70110	20	66	70-110	DCK6-FBH63	TPGH1103..L	M030W070	Q08	0.14
110150	20	106	110-150	DCK6-FBH80	TPGH1103..L	M030W070	Q08	0.25

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

## Cartridge for FBH Back-boring Tool FBH 精镗反镗刀片座

型号 Specification	a	ha	f	镗孔范围 Boring range	组合镗头 Boring head	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
MRTP 2938	6	11	27	29-38	DCK2-FBH25	TPGH0902..R	M025W050	Q08	0.01
3652	10	11	35	36-52	DCK3-FBH32	TPGH0902..R	M025W060	Q08	0.02
4868	12	11	43	48-68	DCK4-FBH40	TPGH0902..R	M025W060	Q08	0.03
5780	14	15	54	57-80	DCK5-FBH50	TPGH1103..R	M030W070	Q08	0.08
70110	16	15	66	70-110	DCK6-FBH63	TPGH1103..R	M030W070	Q08	0.12
110150	25	15	106	110-150	DCK6-FBH80	TPGH1103..R	M030W070	Q08	0.19

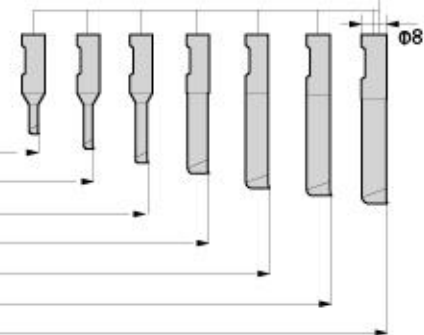
适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

## DCK3-FBH32P Micro-finishing Boring Kit DCK3-FBH32P 极细微调精镗孔系统



型号 Specification	L1	镗孔范围 Boring range	组合刀柄 Adapter size	重量 Weight
HSK63A-DCK3-FBH32P	80	2-9	HSK63ADCK3-80	1.50
BT30-DCK3-FBH32P	80	2-9	BT30-DCK3-80	1.02
BT40-DCK3-FBH32P	80	2-9	BT40-DCK3-80	1.61
SK40-DCK3-FBH32P	80	2-9	SK40-DCK3-80	1.61

精镗孔刀杆 Boring bar	镗孔范围 Boring range	深度 DM	重量 Weight
CA 0802-10	2-3.2	10	0.03
0803-16	3-4.2	16	0.03
0804-22	4-5.2	22	0.03
0805-28	5-6.2	28	0.04
0806-32	6-7.2	32	0.04
0807-37	7-8.2	37	0.04
0808-42	8-9.2	42	0.05

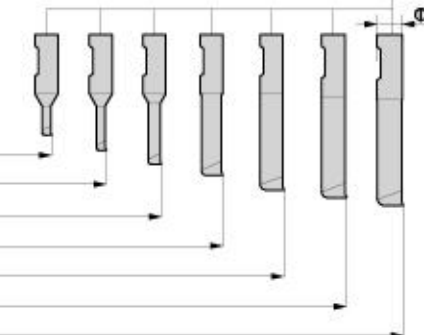


## DCK4-FBH40P Micro-finishing Boring Kit DCK4-FBH40P 极细微调精镗孔系统

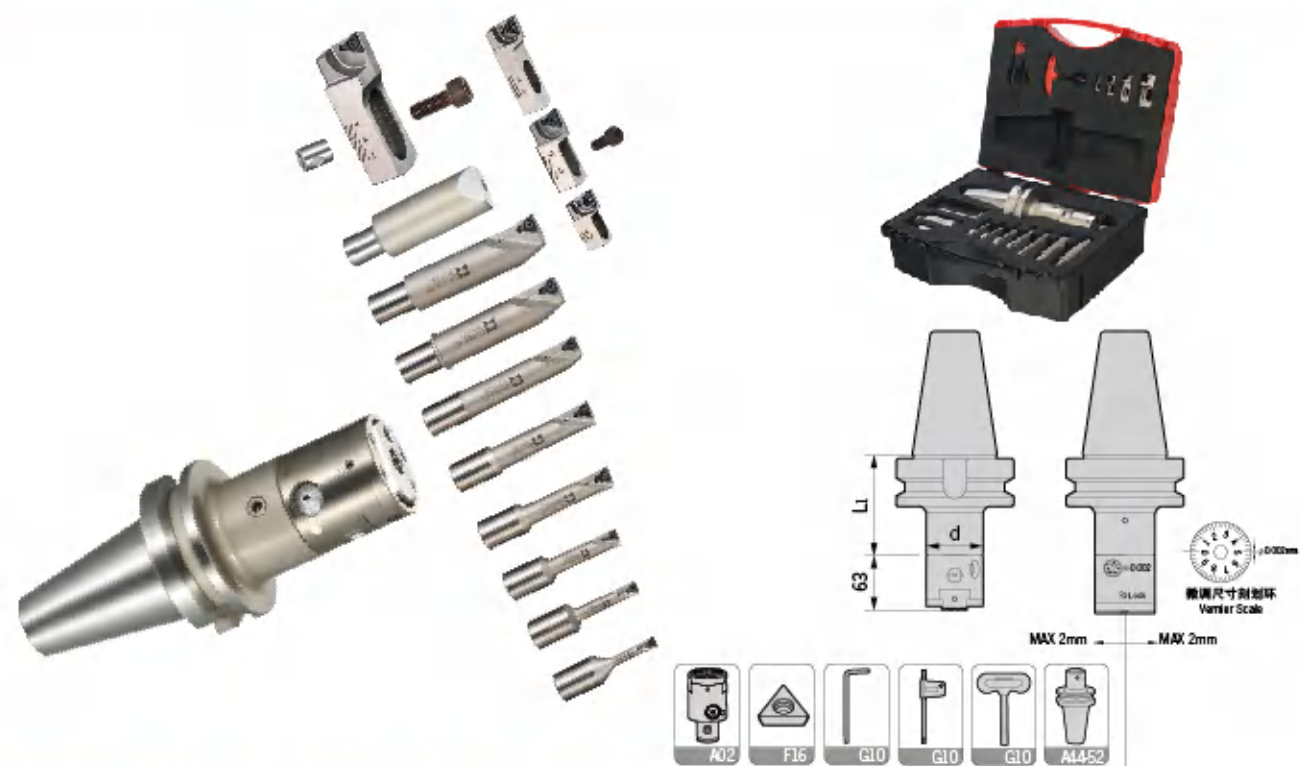


型号 Specification	L1	镗孔范围 Boring range	组合刀柄 Adapter size	重量 Weight
HSK63A-DCK4-FBH40P	70	2-9	HSK63ADCK4-70	2.50
BT30-DCK4-FBH40P	70	2-9	BT30-DCK4-70	1.21
BT40-DCK4-FBH40P	70	2-9	BT40-DCK4-70	1.61
SK40-DCK4-FBH40P	70	2-9	SK40-DCK4-70	1.61

精镗孔刀杆 Boring bar	镗孔范围 Boring range	深度 DM	重量 Weight
CA 0802-10	2-3.2	10	0.03
0803-16	3-4.2	16	0.03
0804-22	4-5.2	22	0.03
0805-28	5-6.2	28	0.04
0806-32	6-7.2	32	0.04
0807-37	7-8.2	37	0.04
0808-42	8-9.2	42	0.05



## DCK5-FBH50P Micro-finishing Boring Kit DCK5-FBH50P 极细微调精镗孔系统

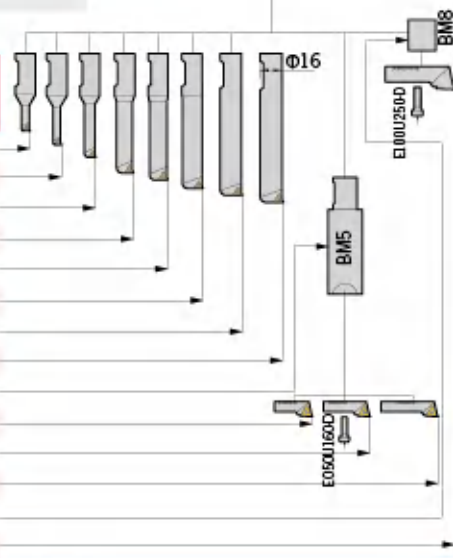


型号 Specification	镗孔范围 L1 Boring range	组合刀柄 Adapter size	BM侧面锁紧螺钉 BM Locking screw	L型扳手 Wrench	重量 Weight	
HSK63A-DCK5-FBH50P	80	6-80	HSK63A-DCK5-80	M100U160-90-D	L05	4.02
BT30-DCK5-FBH50P	70	6-80	BT30-DCK5-70	M100U160-90-D	L05	2.90
BT40-DCK5-FBH50P	80	6-80	BT40-DCK5-80	M100U160-90-D	L05	3.54
BT50-DCK5-FBH50P	90	6-80	BT50-DCK5-90	M100U160-90-D	L05	6.32
SK40-DCK5-FBH50P	80	6-80	SK40-DCK5-80	M100U160-90-D	L05	3.54
SK50-DCK5-FBH50P	90	6-80	SK50-DCK5-90	M100U160-90-D	L05	6.32

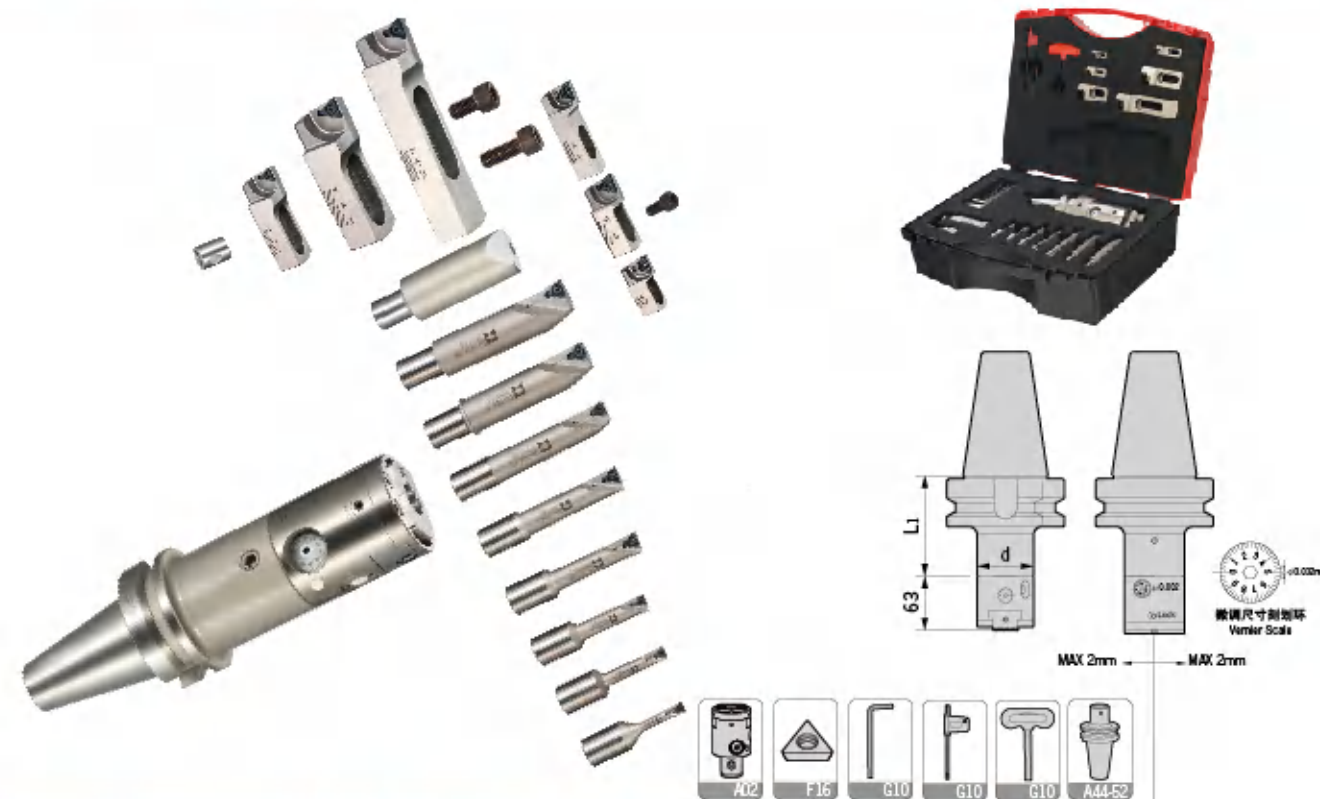
注：用户可选配HSK50A、HSK100A镗刀柄组合  
Notice: Boring adapter HSK50A and HSK100A available on request.

精镗孔刀杆 Boring bar	镗孔范围 Boring range	深度 DM	刀片 Insert	重量 Weight
DR1606-21	6-9	21	WBG0601..L	0.04
DR1608-28	8-11	28	TBGT0601..L	0.04
DR1610-35	10-13	35	TBGT0601..L	0.05
DR1612-42	12-15	42	TPGH0902..L	0.06
DR1614-50	14-17	50	TPGH0902..L	0.07
DR1616-60	16-20	60	TPGH0902..L	0.09
DR1620-65	20-24	65	TPGH1103..L	0.11
DR1624-68	24-28	68	TPGH1103..L	0.12
BM5		60+MLTP2938 or MLTP3652 or MLTP4868		0.25
MLTP2938	28-38	+11	TPGH0902..L	0.01
MLTP3652	36-52	+13	TPGH0902..L	0.02
MLTP4868	48-68	+13	TPGH0902..L	0.03
BM8		+MLTP5780		0.03
MLTP5780	57-80	+20	TPGH1103..L	0.10

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert



## DCK6-FBH63P Micro-finishing Boring Kit DCK6-FBH63P 极细微调精镗孔系统

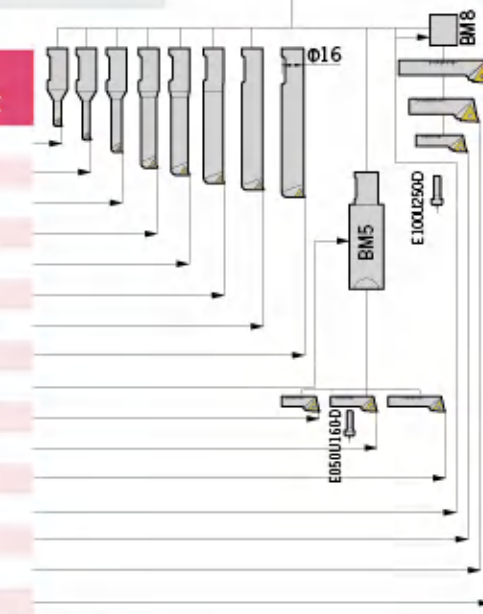


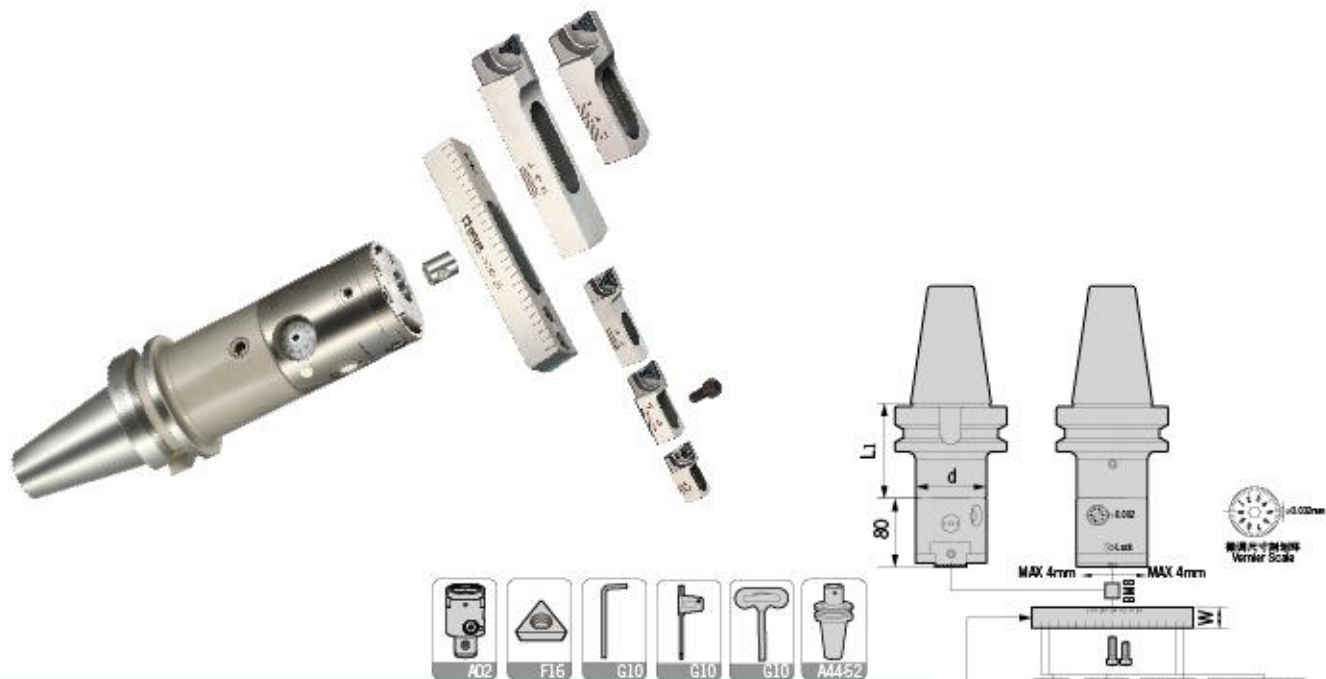
型号 Specification	镗孔范围 L1 Boring range	组合刀柄 Adapter size	BM侧面锁紧螺钉 BM Locking Screw	L型扳手 Wrench	重量 Weight	
HSK63A-DCK6-FBH63P	100	6-150	HSK63A-DCK6-100	M100U200-90-D	L05	5.90
BT30-DCK6-FBH63P	60	6-150	BT30-DCK6-60	M100U200-90-D	L05	4.00
BT40-DCK6-FBH63P	55	6-150	BT40-DCK6-55	M100U200-90-D	L05	4.50
BT50-DCK6-FBH63P	85	6-150	BT50-DCK6-85	M100U200-90-D	L05	9.17
SK40-DCK6-FBH63P	90	6-150	SK40-DCK6-90	M100U200-90-D	L05	4.50
SK50-DCK6-FBH63P	85	6-150	SK50-DCK6-85	M100U200-90-D	L05	9.17

注：用户可选配HSK50A、HSK100A镗刀柄组合  
Notice: Boring adapter HSK50A and HSK100A available on request.

精镗孔刀杆 Boring bar	镗孔范围 Boring range	深度 DM	刀片 Insert	重量 Weight
DR1606-21	6-9	21	WBG0601..L	0.04
DR1608-28	8-11	28	TBGT0601..L	0.04
DR1610-35	10-13	35	TBGT0601..L	0.05
DR1612-42	12-15	42	TPGH0902..L	0.06
DR1614-50	14-17	50	TPGH0902..L	0.07
DR1616-60	16-20	60	TPGH0902..L	0.09
DR1620-65	20-24	65	TPGH1103..L	0.11
DR1624-68	24-28	68	TPGH1103..L	0.12
BM5		60+MLTP2938 or MLTP3652 or MLTP4868		0.25
MLTP2938	28-38	+11	TPGH0902..L	0.01
MLTP3652	36-52	+13	TPGH0902..L	0.02
MLTP4868	48-68	+13	TPGH0902..L	0.03
BM8		+MLTP5780 or MLTP70110 or MLTP110150		0.03
MLTP5780	66-80	+20	TPGH1103..L	0.10
MLTP70110	70-110	+20	TPGH1103..L	0.10
MLTP110150	110-150	+20	TPGH1103..L	0.21

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert





型号 Specification	镗孔范围 L1 Boring range	组合刀柄 Adapter size	BM侧面锁紧螺钉 BM Locking screw	L型扳手 Wrench	重量 Weight	
HSK63A-DCK6-FBH80	100	110-150	HSK63A-DCK6-100	M100U250-90-D	L05	7.60
BT30-DCK6-FBH80	60	110-150	BT30-DCK6-60	M100U250-90-D	L05	5.70
BT40-DCK6-FBH80	55	110-150	BT40-DCK6-55	M100U250-90-D	L05	6.20
BT50-DCK6-FBH80	85	110-150	BT50-DCK6-85	M100U250-90-D	L05	10.87
SK40-DCK6-FBH80	90	110-150	SK40-DCK6-90	M100U250-90-D	L05	6.20
SK50-DCK6-FBH80	85	110-150	SK50-DCK6-85	M100U250-90-D	L05	10.87

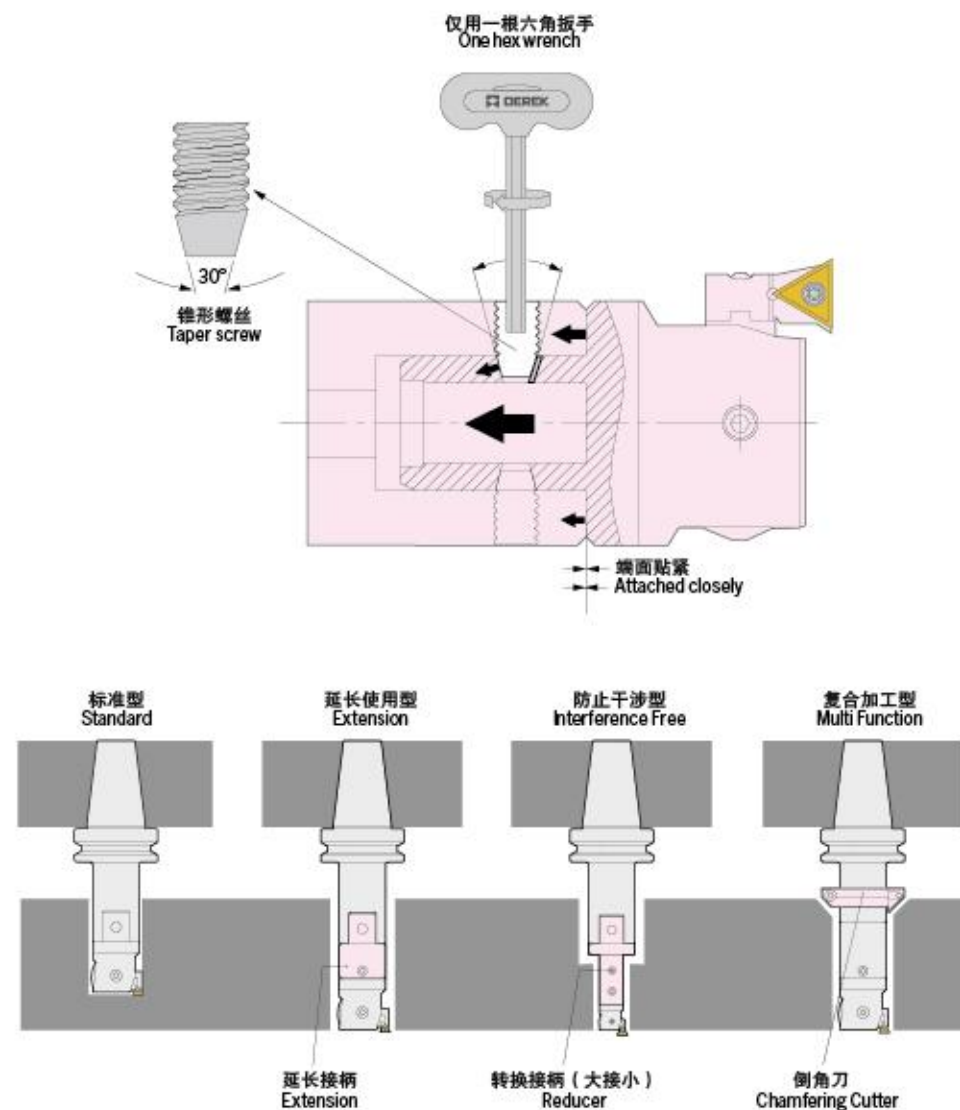
注：用户可选配HSK50A、HSK100A镗刀柄组合  
Notice: Boring adapter HSK50A and HSK100A are available on request.

型号 Specification	镗孔范围 Boring range	H	刀片座锁紧螺钉 Locking screw	L型扳手 Wrench	重量 Weight
PS140-20	+BM8	20	E050U120-D/E100U160-D	L08	0.43
MLTP2938	150-200	11	E050U160-D	L04	0.01
MLTP3652	160-210	13	E050U160-D	L04	0.02
MLTP4868	170-220	13	E050U160-D	L04	0.03
MLTP70110	140-240	20	E100U250-D	L08	0.10
MLTP110150	180-280	20	E100U250-D	L08	0.21

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

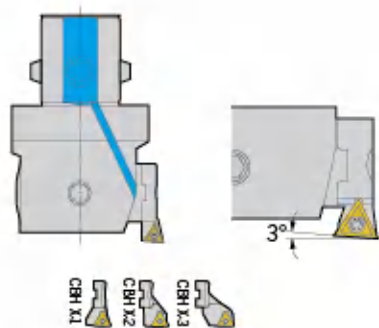
## 高精度，强力，操作方便——最理想的连接方式

High Precision, High Strength and Easy Operation--the Best Style of Connection



- 依靠30度锥形螺丝，把紧固力转换成轴向拉力，使镗刀端面与本体端面贴紧。（如图A）
- 模块式设计，可以自由设定加工直径和有效加工深度，配备转换接头（大接小）减少刀具直径，既可以确保刚性，又可以防止干涉，再配合倒角器可自由组合成最合适的镗削刀具。（如图B）
- 因镗头与本体的连接精度非常高所以只需对镗头单独对刀，可减轻劳动强度，提高工作效率，降低综合成本。
- Change locking force to axial tension by using 30° taper screws. The boring head and arbor would be attached closely. (Fig A)
- Modular design makes the setting of boring range and depth more easier. Reducers, extensions and chamfering rings provide multifunctional work. (Fig B)
- High working efficiency brings down the production cost due to high precision of connection.

- 每个镗头本体均配有三个不同加工范围的刀片座，来扩大本体的加工尺寸。
- 刀片座刀片安装为3度切入角，在盲孔加工时可有效清角。
- 变更刀片座安装方向即可实现反镗加工。
- 刀片座与本体采用双面贴合大大提高了镗头的刚性与加工性能。
- DCK-CBH款精密镗头均具备内冷却功能，可有较提高表面粗糙度，延长刀片使用寿命。(这个说明是针对所有的DCK精密镗)



- Each boring head has three different size cartridges for different boring range.
- Blade angle for 3° should be left when installing inserts. And it could receive better working performance during blind hole machining.
- Cartridge could be mounted in opposite direction for back boring.
- Higher rigidity and better working performance are provided by close connection between cartridge and boring head.
- All DCK-CBH micro boring tools have internal cooling design which improve surface roughness and inserts tool life.

型号 Specification	形状图 Figure	对应镗头 Boring head	型号 Specification	形状图 Figure	对应镗头 Boring head	型号 Specification	形状图 Figure	对应镗头 Boring head
CBH 1-1			CBH 4-1			CBH 4-1		
1-2		DCK1-CBH20-36	4-2		DCK4-CBH41-74	4-2		DCK4-CBH41-74
1-3			4-3			4-3		
2-1			5-1			5-1		
2-2		DCK2-CBH25-47	5-2		DCK5-CBH53-95	5-2		DCK5-CBH53-95
2-3	对应刀片 TPGH0802		5-3	对应刀片 TCMT1102 (标配 With)	DCK6-CBH68-150 DCK6-CBH100-203	5-3	对应刀片 TCMT1102 (选配) (For choice)	DCK6-CBH68-150 DCK6-CBH100-203
3-1			6-1			6-1		
3-2		DCK3-CBH32-60	6-2	TPGH1103 (选配)		6-2	(For choice)	
3-3			6-3	(For choice)		6-3		

注意：标准报价含CBHX-1号刀片座一个，CBHX-2和CBHX-3需另外单独购买。  
Notice: Cartridge CBHX-1 is included in quotation, while CBHX-2 and CBHX-3 shall be ordered separately.

### CBH Back-Boring Instructions CBH 微调精密镗头反镗说明

反镗加工需满足条件:

$$C > (D+d) / 2 + 0.5$$

D: 反镗加工孔直径 d: 镗头本体直径 C: 最小过孔直径

反镗加工时主轴反转

In order to check the feasibility of the back boring operation and select the best tool combination, these values should be calculated as follows:

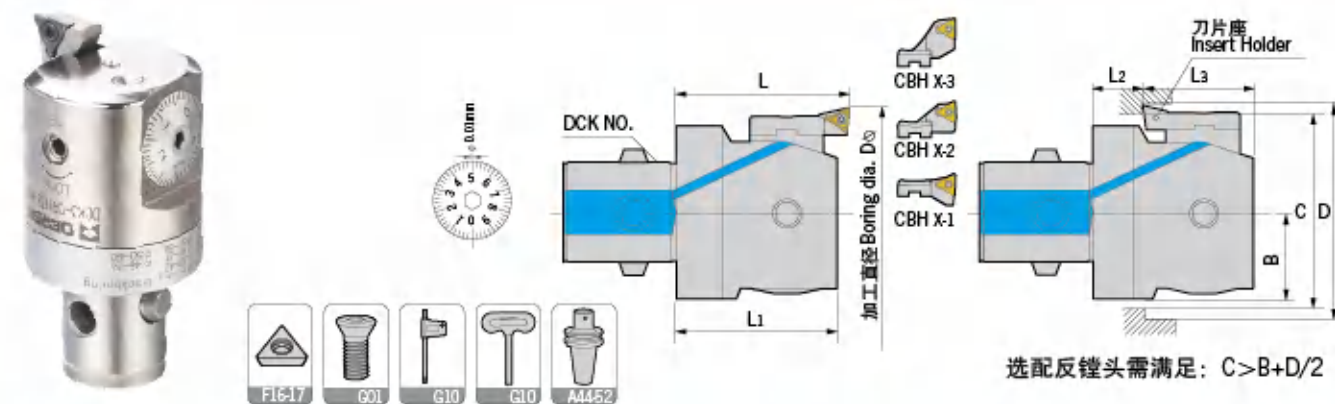
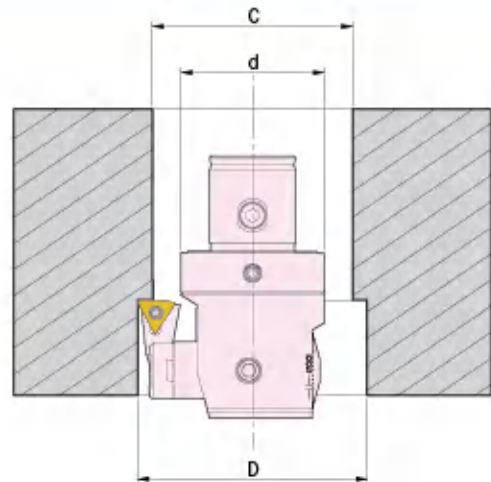
$$C > (D+d) / 2$$

C: Minimum entry bore diameter

D: Back bore diameter

d: Diameter of boring head

Anti-clockwise spindle rotation required.



型号 Specification	正镗 Boring L1 L	范围 Range	反镗 Back boring B L2 L3	范围 Range	刀片座 Cartridge	刀片 Insert	螺钉 Screw	扳手 Wrench	重量 Weight
DCK1-CBH20-36	29.5 32.5	20-26	10 10.5 19	-	CBH1-1				0.06
	29.5 32.5	25-31	10 10.5 19	-	CBH1-2				0.06
	29.5 32.5	30-36	10 10.5 19	30-36	CBH1-3				0.06
DCK2-CBH25-47	32.5 35.5	25-33	12.5 11.5 21	36-40	CBH2-1	TPGH 0802	M020D055	Q06	0.12
	32.5 35.5	32-40	12.5 11.5 21	36-40	CBH2-2				0.12
	32.5 35.5	39-47	12.5 11.5 21	39-47	CBH2-3				0.12
DCK3-CBH32-60	35 40	32-42	16 10 25	-	CBH3-1				0.20
	35 40	41-51	16 10 25	46-51	CBH3-2				0.20
	35 40	50-60	16 10 25	50-60	CBH3-3				0.20
DCK4-CBH41-74	43 47	41-54	20 14 29	-	CBH4-1				0.39
	43 47	50-63	20 14 29	53-63	CBH4-2				0.39
	43 47	61-74	20 14 29	61-74	CBH4-3				0.39
DCK5-CBH53-95	53 57	53-70	25.5 19 34	62-70	CBH5-1				0.80
	53 57	65-82	25.5 19 34	65-82	CBH5-2	TCMT 1102 (标配 With) TPGH 1103 (选配) (For choice)	M025W060 M030W070	Q08	0.80
	53 57	78-95	25.5 19 34	78-95	CBH5-3				0.80
67.2 71	68-100	32.5 22 45.2	80-100	CBH6-1	1.75				
DCK6-CBH68-150	67.2 71	94-126	32.5 22 45.2	94-126	CBH6-2				1.75
	67.2 71	118-150	32.5 22 45.2	118-150	CBH6-3				1.75
	67.2 71	100-153	45.5 22 45.2	112-153	CBH6-1				2.47
DCK6-CBH100-203	67.2 71	126-179	45.5 22 45.2	126-179	CBH6-2				2.47
	67.2 71	150-203	45.5 22 45.2	150-203	CBH6-3				2.47
	67.2 87	100-153	45.5 22 45.2	112-153	CBH6-1				3.96
DCK7-CBH100-203	67.2 87	126-179	45.5 22 45.2	126-179	CBH6-2				3.96
	67.2 87	150-203	45.5 22 45.2	150-203	CBH6-3				3.96

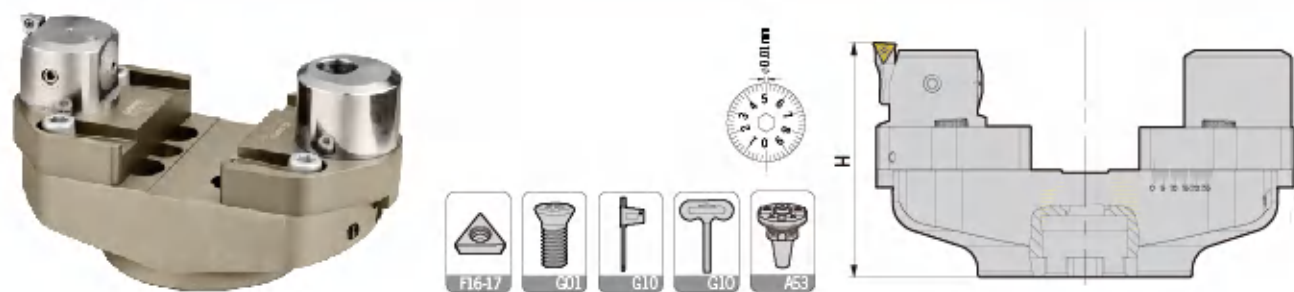
适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

### 特点 / Feature

- 中心内冷。
- With internal cooling supply.
- 设动平衡结构，能达可靠加工精度。
- With balanced structure for high machining precision accuracy.
- 可应对反镗加工。
- High effectiveness with back-boring function.
- 通过副刻度游标可实现μm级调节。
- With side scale for adjustment of μm grade.

# FM-CBH

FM-CBH Large Diameter Boring Tool For Finishing  
FM-CBH 大径微调精密镗头



型号 Specification	镗孔范围 Boring range	H	组合刀柄 Adapter size	外圆镗范围 B-Boring range	外圆镗深度 Work depth	刀片型号 Insert	重量 Weight
FMS-CBH148215	148-215	109	FMS	38-105	30	TCMT1102	3.18
CBH198265	198-265	109	FMS	88-155	30	/	3.71
CBH248315	248-315	109	FMS	138-205	30	TPGH1103	4.19

刀片座 Insert Holder	图示 Picture	刀片型号 Insert	螺钉 Screw	扳手 Wrench	重量 Weight
CBH5-1-TC-V		TCMT1102	M025W060	Q08	0.04
CBH5-1-TP-V		TPGH1103	M030W070	Q08	0.04

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

组件 Item	型号 Specification	图示 Picture	重量 Weight
组合刀柄 Adapter size	HSK-A-FMS		-
	BT-FMS		-
	SK-FMS		-
	BBT-FMS		-
	CAT-FMS		-
大径铝横梁 Extension Aluminum bridge	FMS40-148		1.46
	FMS40-198		1.99
	FMS40-248		2.47
精镗铝滑块 Finish boring Aluminum slider	FMA34-S17		0.29
精镗头 Finish boring head	A34-CBH5395		0.55
精镗铝配重块 Balancing Aluminum weight	FMA34-S17-PZK		0.86

## 特点 / Feature

- 铝制比重70-90%。
- 中心内冷。
- 动平衡设定: G6.3; 1, 000 rpm。

- 70-90% of material is made from Aluminum.
- With internal cooling supply.
- Balanced: G6.3; 1,000 rpm.

# FM-CBH

FM-CBH Large Diameter Boring Tool For Finishing  
FM-CBH 大径微调精密镗头



型号 Specification	镗孔范围 Boring range	H	组合刀柄 Adapter size	外圆镗范围 B-Boring range	外圆镗深度 Work depth	刀片型号 Insert	重量 Weight
FMX-CBH298395	298-395	113	FMX	188-285	25	TCMT1102	9.50
CBH378475	378-475	118	FMX	268-365	25	/	11.26
CBH458555	458-555	123	FMX	348-445	25	TPGH1103	25.64

刀片座 Insert Holder	图示 Picture	刀片型号 Insert	螺钉 Screw	扳手 Wrench	重量 Weight
CBH5-1-TC-V		TCMT1102	M025W060	Q08	0.04
CBH5-1-TP-V		TPGH1103	M030W070	Q08	0.04

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

组件 Item	型号 Specification	图示 Picture	重量 Weight
组合刀柄 Adapter size	HSK-A-FMX		-
	BT-FMX		-
	SK-FMX		-
	BBT-FMX		-
	CAT-FMX		-
大径铝横梁 Extension Aluminum bridge	FMX40-298		5.33
	FMX40-378		7.09
	FMX40-458		9.02
精镗滑块 Finish boring slider	FMA34-S24		1.02
精镗头 Finish boring head	A34-CBH5395		0.55
精镗配重块 Balancing weight	FMA34-S24-PZK		1.56

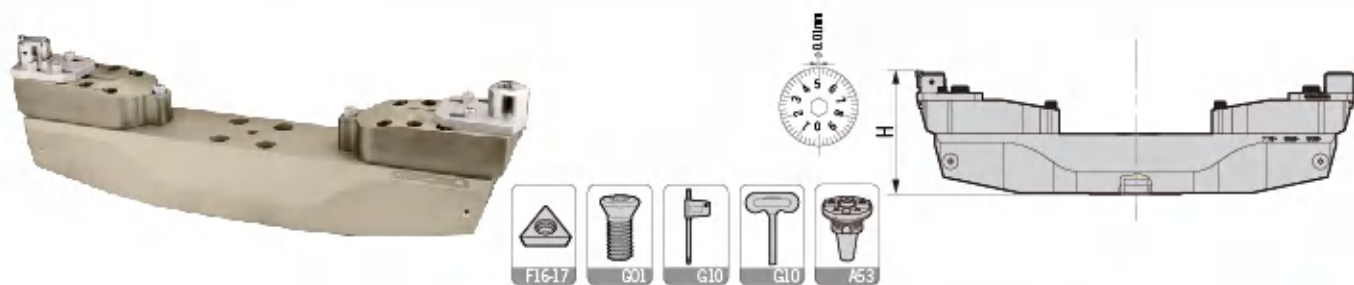
## 特点 / Feature

- 铝制比重70-90%。
- 中心内冷。
- 动平衡设定: G6.3; 1, 000 rpm。

- 70-90% of material is made from Aluminum.
- With internal cooling supply.
- Balanced: G6.3; 1,000 rpm.

# FM-CBH

FM-CBH Large Diameter Boring Tool For Finishing  
FM-CBH 大径微调精密镗头



型号 Specification	镗孔范围 Boring range	H	组合刀柄 Adapter size	外圆镗范围 B-Boring range	外圆镗深度 Work depth	刀片型号 Insert	重量 Weight
FMX-CBH538795	538-795	197	FMX	428-685	25	TCMT1102	13.19
CBH7781035	778-1035	217	FMX	668-925	25	/	36.83
CBH1018127	1018-1275	217	FMX	908-1165	25	TPGH1103	44.26

刀片座 Insert Holder	图示 Picture	刀片型号 Insert	螺钉 Screw	扳手 Wrench	重量 Weight
CBH5-1-TC-V		TCMT1102	M025W060	Q08	0.04
CBH5-1-TP-V		TPGH1103	M030W070	Q08	0.04

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

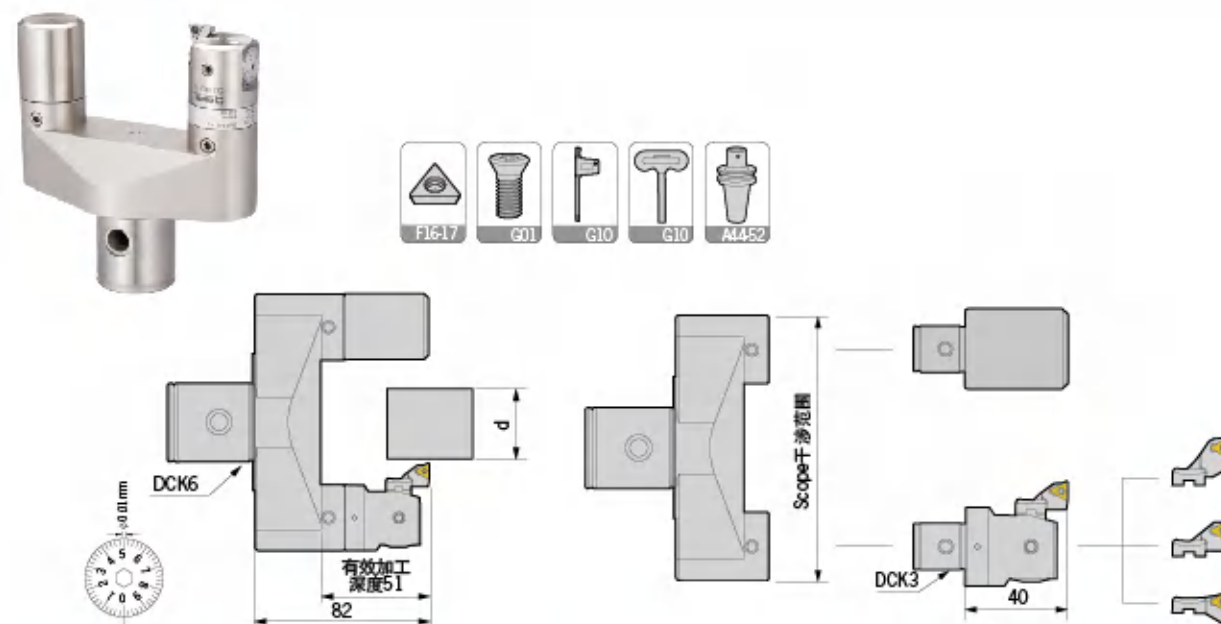
组件 Item	型号 Specification	图示 Picture	重量 Weight
组合刀柄 Adapter size	HSK-A-FMX		-
	BT-FMX		-
	SK-FMX		-
	BBT-FMX		-
大径铝横梁 Extension Aluminum bridge	FMX40-538		14.77
	FMX40-778		25.96
	FMX40-1018		33.39
加长铝滑块 Long Aluminum Slider	FMA35-S24		3.35
	FMA34-S24		1.02
精镗滑块 Finish boring slider	FMA34-S24		1.02
精镗头 finish boring head	A34-CBH5395		0.55
精镗配重块 Balancing weight	FMA34-S24-PZK		1.56

## 特点 / Feature

- 铝制比重70-90%。
- 中心内冷。
- 动平衡设定: G6.3; 1, 000 rpm。
- 70-90% of material is made from Aluminum.
- With internal cooling supply.
- Balanced: G6.3; 1,000 rpm.

# CBH-M

CBH-M Boring Tool For Pin Turning  
CBH-M 微调精密外径镗头



型号 Specification	镗外径 $\phi d$ Range	基础架 Bridge frame	DCK侧固螺钉 Side-lock screw	镗头 Boring head	平衡块 Balance weight	刀片座 Insert holder	刀片 Insert	镗孔范围 Boring range	重量 Weight
DCK6-CBH 24-34-M	24-34	DCK6-245242 干涉范围114	M120Z200-30P-D	CBH32-60	DCK3-CBH	CBH3-3	TPGH0802	134-144	1.60
33-43-M	33-43			CBH32-60	DCK3-CBH	CBH3-2	TPGH0802	125-135	1.60
42-52-M	42-52			CBH32-60	DCK3-CBH	CBH3-1	TPGH0802	116-126	1.60
52-62-M	52-62	DCK6-528042 干涉范围142	M120Z200-30P-D	CBH32-60	DCK3-CBH	CBH3-3	TPGH0802	162-172	1.80
61-71-M	61-71			CBH32-60	DCK3-CBH	CBH3-2	TPGH0802	153-163	1.80
70-80-M	70-80			CBH32-60	DCK3-CBH	CBH3-1	TPGH0802	144-154	1.80
80-90-M	80-90	DCK6-8010842 干涉范围170	M120Z200-30P-D	CBH32-60	DCK3-CBH	CBH3-3	TPGH0802	190-200	2.00
89-99-M	89-99			CBH32-60	DCK3-CBH	CBH3-2	TPGH0802	181-191	2.00
98-108-M	98-108			CBH32-60	DCK3-CBH	CBH3-1	TPGH0802	172-182	2.00

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

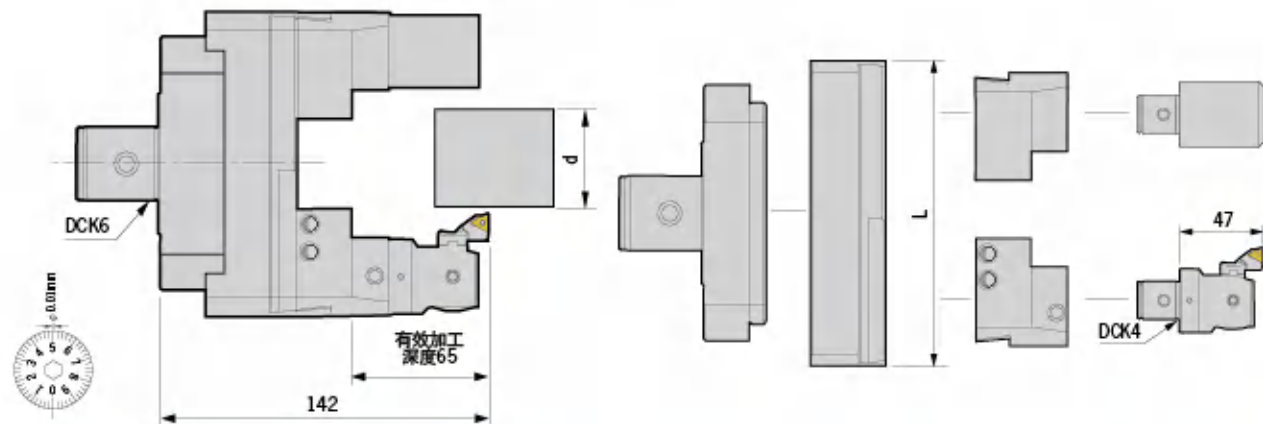
注意: 1. CBH镗头上附带1只刀片座, 但不附带刀片, 请另外订购。 2. 加工时, 主轴应反转。  
Notice: 1. Boring head have only one cartridge, without insert, please order them separately. 2. Anti-clockwise spindle rotation required.

## 特点 / Feature

- CBH镗头反向装可以进行镗孔加工。
- 加工范围 $\phi 116-\phi 200$ 。
- CBH boring head loaded opposite direction can process boring machining.
- Machining range  $\phi 116-\phi 200$ .

# CBH-L

CBH-L Boring Tool For Pin Turning (Large Diameter)  
CBH-L 微调精密外径镗头



型号 Specification	镗外径 $\Phi d$ Range	连接盘 Flange adapter	横向滑板 Extension bridge	滑块 L	滑块重量 Balance weight	镗头 Boring head	镗孔范围 Boring range	镗孔深度 Boring depth	平衡块 Finish head	重量 Weight
<b>DCK6-CBH 13-115-L</b>	13-115	DCK6-FL200	DST200	180	DCK4-CB200	CBH41-74 (CBH4-1)	108-192	75, $\Phi < 180$	DCK4-CBH	8.70
<b>112-215-L</b>	112-215	DCK6-FL200	DST300	280	DCK4-CB200	TCMT 1102	108-292	75, $\Phi < 280$	DCK4-CBH	10.02
<b>212-315-L</b>	212-315	DCK6-FL200	DST400	380	DCK4-CB200	TPGH 1103	108-392	75, $\Phi < 380$	DCK4-CBH	11.92
<b>312-415-L</b>	312-415	DCK6-FL200	DST500	480	DCK4-CB200 (标配 With)	(For choice)	108-492	75, $\Phi < 480$	DCK4-CBH	13.82
<b>412-515-L</b>	412-515	DCK6-FL200	DST600	580	DCK4-CB200	(For choice)	108-592	75, $\Phi < 580$	DCK4-CBH	15.72
<b>512-615-L</b>	512-615	DCK6-FL200	DST700	680	DCK4-CB200	(For choice)	108-692	75, $\Phi < 680$	DCK4-CBH	17.70
<b>612-715-L</b>	612-715	DCK6-FL200	DST800	780	DCK4-CB200	(For choice)	108-792	75, $\Phi < 780$	DCK4-CBH	19.60

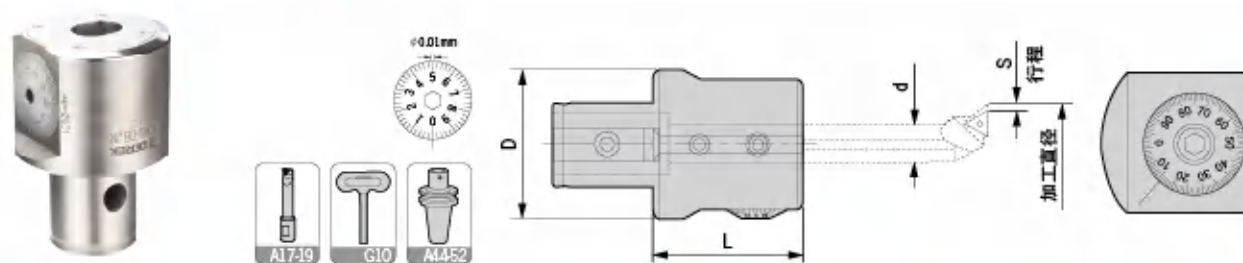
适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

滑块紧固螺钉: M080U100-D

注意: 1. CBH镗头上附带1只刀片座(CBH4-1), 但不附带刀片, 请另外订购。2. 加工时, 主轴应反转。  
Notice: 1. Boring head with one cartridge, without insert, please order it separately. 2. Anti-clockwise spindle rotation required.

# DBJ10/12/16

DBJ10/12/16 Micro-boring Head  
DBJ10/12/16 微调精密镗头



型号 Specification	D	d	L	微调行程 S Micro distance	微调精度(直径) Dial precision	镗孔范围 Boring range	组合刀柄 Adapter size	微调锁紧螺钉 Adjusting screw	刀杆固定螺钉 Locking screw	T型扳手 Wrench	重量 Weight
<b>DBJ10</b>	39	10	30	2.5	0.01	6-24	DCK4	M060U060-D	M060U050	T03	0.50
<b>DBJ12</b>	50	12	40	4	0.01	6-32	DCK5	M080U090-D	M080U060	T04	0.75
<b>DBJ16</b>	64	16	50	5	0.01	8-50	DCK6	M100U100-D	M100U070	T05	1.14

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

DBJ10 Micro-boring Bar  
DBJ10 微调镗头刀杆



型号 Specification	D	D1	L1	L2	L	镗孔范围 Boring range	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>DBJ 1006-24</b>	6	10	24	32	56	6-8	WBGTO601	M020W040	Q06	0.03
<b>1008-32</b>	8	10	32	32	64	8-10	TBGT0601	M020W040	Q06	0.04
<b>1010-40</b>	10	10	40	32	72	10-12	TBGT0601	M020W040	Q06	0.05
<b>1012-45</b>	12	10	45	32	77	12-16	TPGH0902	M025W060	Q08	0.06
<b>1016-45</b>	16	10	45	32	77	16-20	TPGH0902	M025W060	Q08	0.08
<b>1020-45</b>	20	10	45	32	77	20-24	TPGH0902	M025W060	Q08	0.11

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

DBJ12 Micro-boring Bar  
DBJ12 微调镗头刀杆

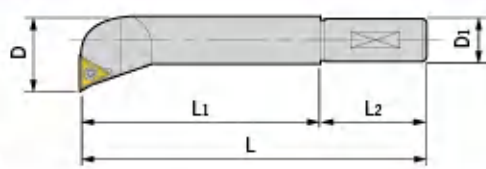


型号 Specification	D	D1	L1	L2	L	镗孔范围 Boring range	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>DBJ 1206-24</b>	6	12	24	32	56	6-8	WBGTO601	M020W040	Q06	0.03
<b>1208-32</b>	8	12	32	32	64	8-10	TBGT0601	M020W040	Q06	0.04
<b>1210-40</b>	10	12	40	32	72	10-12	TBGT0601	M020W040	Q06	0.05
<b>1212-45</b>	12	12	45	32	77	12-16	TPGH0902	M025W060	Q08	0.06
<b>1216-45</b>	16	12	45	32	77	16-20	TPGH0902	M025W060	Q08	0.09
<b>1220-45</b>	20	12	45	32	77	20-25	TPGH0902	M025W060	Q08	0.12
<b>1225-45</b>	25	12	45	32	77	25-32	TPGH1103	M030W070	Q08	0.16

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

# DBJ16

DBJ16 Micro-boring Bar  
DBJ16 微调镗头刀杆



型号 Specification	D	D1	L1	L2	L	镗孔范围 Boring range	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>DBJ 1606-24</b>	6	16	24	34	66	6-8	TBGT0601	M020W040	Q06	0.06
<b>1608-32</b>	8	16	32	34	76	8-11	TBGT0601	M020W040	Q06	0.07
<b>1610-40</b>	10	16	40	34	77	10-13	TBGT0601	M020W040	Q06	0.07
<b>1612-53</b>	12	16	53	34	90	12-17	TPGH0902	M025W060	Q08	0.09
<b>1616-68</b>	16	16	68	34	102	16-21	TPGH0902	M025W060	Q08	0.13
<b>1620-83</b>	20	16	83	34	120	20-26	TPGH1103	M030W070	Q08	0.20
<b>1625-90</b>	25	16	90	34	124	25-32	TPGH1103	M030W070	Q08	0.25
<b>1630-90</b>	30	16	90	34	124	30-42	TPGH1103	M030W070	Q08	0.25
<b>1640-90</b>	40	16	90	34	124	40-50	TPGH1103	M030W070	Q08	0.26

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

## DBJ Micro-boring Tool Kit DBJ 微调精镗套装组合

型号 Specification				
(六支套装) DBJ10-6PCS	DBJ1006-24 DBJ1008-32	DBJ1010-40 DBJ1012-45	DBJ1016-45 DBJ1020-45	

型号 Specification	镗孔范围 Boring range	组合刀柄 Adapter	重量 Weight
<b>BT40-DBJ10-6PCS</b>	6-24	BT40-DCK4-70	2.20
<b>BT50-DBJ10-6PCS</b>	6-24	BT50-DCK4-100	4.72

### Items Included 内附零件

1. 刀柄一把 One boring adapter
2. 精密镗头一支 One micro boring head
3. 精镗刀杆六支 Six micro boring bars
4. 扳手三支 Three wrenches

型号 Specification				
(七支套装) DBJ12-7PCS	DBJ1206-24 DBJ1208-32	DBJ1210-40 DBJ1212-45	DBJ1216-45 DBJ1220-45	

型号 Specification	镗孔范围 Boring range	组合刀柄 Adapter	重量 Weight
<b>BT40-DBJ12-7PCS</b>	6-32	BT40-DCK5-60	2.40
<b>BT50-DBJ12-7PCS</b>	6-32	BT50-DCK5-90	4.94

### Items Included 内附零件

1. 刀柄一把 One boring adapter
2. 精密镗头一支 One micro boring head
3. 精镗刀杆七支 Seven micro boring bars
4. 扳手三支 Three wrenches

型号 Specification				
(八支套装) DBJ16-8PCS	DBJ1608-32 DBJ1610-40	DBJ1612-53 DBJ1616-68	DBJ1620-83 DBJ1625-90	DBJ1630-90 DBJ1640-90

型号 Specification	镗孔范围 Boring range	组合刀柄 Adapter	重量 Weight
<b>BT40-DBJ16-8PCS</b>	8-50	BT40-DCK6-55	3.68
<b>BT50-DBJ16-8PCS</b>	8-50	BT50-DCK6-85	6.74

### Items Included 内附零件

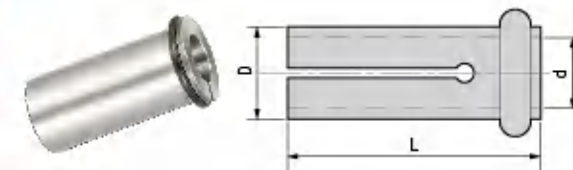
1. 刀柄一把 One boring adapter
2. 精密镗头一支 One micro boring head
3. 精镗刀杆八支 Eight micro boring bars
4. 扳手三支 Three wrenches



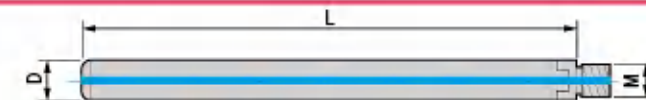
# DBJ/DT/DEB

DBJ Collet For Solid Carbide Boring Bar  
DBJ 硬质合金镗刀杆专用筒夹

型号 Specification	D	d	L	O形圈 Rubber Washer	组合钨钢刀杆 Boring Bar
<b>DBJ 10-6</b>	10	6	26	Φ8*Φ1.5	CA06**
<b>10-8</b>	10	8	26	Φ8*Φ1.5	DT08-M5→
<b>12-8</b>	12	8	32	Φ10*Φ1.5	DT08-M5→
<b>12-10</b>	12	10	32	Φ10*Φ1.5	DT10-M6→
<b>16-8</b>	16	8	38	Φ14*Φ1.5	DT08-M5→
<b>16-10</b>	16	10	38	Φ14*Φ1.5	DT10-M6→
<b>16-12</b>	16	12	38	Φ14*Φ1.5	DT12-M6→



## DT Solid Carbide Boring Bar DT 硬质合金镗刀杆



型号 Specification	D	L	M	组合镗头 Insert holder	组合筒夹 Collect	重量 Weight
<b>DT 08-M5-110</b>	8	110	M5	DEB09,DEB10.5	DBJ16-8	0.074
<b>10-M6-110</b>	10	110	M6	DEB12	DBJ16-10	0.118
<b>10-M6-135</b>	10	135	M6	DEB12	DBJ16-10	0.149
<b>10-M6-150</b>	10	150	M6	DEB12	DBJ16-10	0.172
<b>12-M6-120</b>	12	120	M6	DEB14,DEB16	DBJ16-12	0.178
<b>12-M6-140</b>	12	140	M6	DEB14,DEB16	DBJ16-12	0.205
<b>12-M6-160</b>	12	160	M6	DEB14,DEB16	DBJ16-12	0.245
<b>16-M10-125</b>	16	125	M10	DEB18,DEB20,DEB22,DEB24,DEB26,DEB28,	-	0.31
<b>16-M10-160</b>	16	160	M10	DEB30,DEB32,DEB34,DEB36,DEB38,DEB40,	-	0.429
<b>16-M10-200</b>	16	200	M10	DEB42,DEB44,DEB46,DEB48,DEB50	-	0.506

## DEB Insert Bar DEB 拾弃式镗头

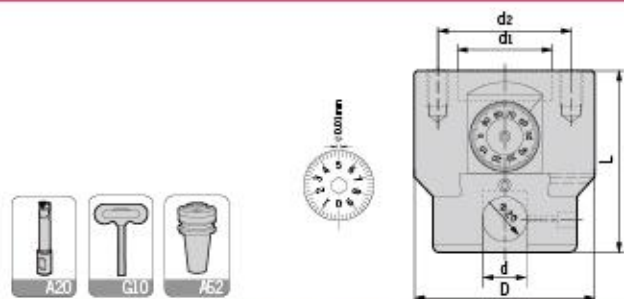


型号 Specification	d	L	M	镗孔范围 Boring range	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>DEB 09</b>	9	18	M5	9-10.5	TPGH0802	M022W050	Q06	0.03
<b>10.5</b>	10.5	18	M5	10.5-12	TPGH0802	M022W050	Q06	0.03
<b>12</b>	12	23	M6	12-14	TPGH0802	M022W050	Q06	0.03
<b>14</b>	14	23	M6	14-16	TPGH0802	M022W050	Q06	0.03
<b>16</b>	16	23	M6	16-18	TPGH0802	M022W050	Q06	0.04
<b>18</b>	18	27	M10	18-20	TPGH0802	M022W050	Q06	0.04
<b>20</b>	20	27	M10	20-22	TPGH0802	M022W050	Q06	0.05
<b>22</b>	22	27	M10	22-24	TPGH0802	M022W050	Q06	0.05
<b>24</b>	24	27	M10	24-26	TPGH0802	M022W050	Q06	0.05
<b>26</b>	26	27	M10	26-28	TPGH0802	M022W050	Q06	0.05
<b>28</b>	28	27	M10	28-30	TPGH0802	M022W050	Q06	0.06
<b>30</b>	30	27	M10	30-32	TPGH0802	M022W050	Q06	0.06
<b>32</b>	32	27	M10	32-34	TPGH0802	M022W050	Q06	0.07
<b>34</b>	34	27	M10	34-36	TPGH0802	M022W050	Q06	0.09
<b>36</b>	36	27	M10	36-38	TPGH0802	M022W050	Q06	0.11
<b>38</b>	38	27	M10	38-40	TPGH0802	M022W050	Q06	0.15
<b>40</b>	40	27	M10	40-42	TPGH0802	M022W050	Q06	0.16
<b>42</b>	42	27	M10	42-44	TPGH0802	M022W050	Q06	0.19
<b>44</b>	44	27	M10	44-46	TPGH0802	M022W050	Q06	0.22
<b>46</b>	46	27	M10	46-48	TPGH0802	M022W050	Q06	0.26
<b>48</b>	48	27	M10	48-50	TPGH0802	M022W050	Q06	0.30
<b>50</b>	50	27	M10	50-52	TPGH0802	M022W050	Q06	0.34

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

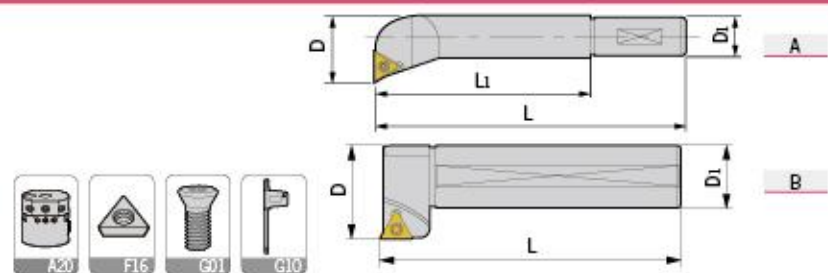
# NBH/DBJ

NBH2084 Micro-boring Head  
NBH2084 微调精密镗头



型号 Specification	D	d	d1	d2	L	镗孔范围 Boring range	微调行程 Micro distance	微调精度(直径) Dial precision	组合刀柄 Adapter size	重量 Weight
NBH2084	84	20	35	60	80	8-280 微调锁紧螺钉 Adjusting screw M080U160-D	28 T型扳手 Wrench T04	0.01 刀杆固定螺钉 Locking screw M120U140	NBH.A.B T型扳手 Wrench T06	2.74

DBJ20 Micro-Boring Bar  
DBJ20 微调精密镗头刀杆



型号 Specification	图示 Figure	D	D1	L1	L	镗孔范围 Boring range	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
DBJ 2008-32	A	8	20	32	74	8-11	TBGT0601	M020W040	Q06	0.09
2010-40	A	10	20	40	75	10-13	TBGT0601	M020W040	Q06	0.10
2012-53	A	12	20	53	88	12-17	TPGH0902	M025W060	Q08	0.12
2016-68	A	16	20	68	103	16-21	TPGH0902	M025W060	Q08	0.16
2020-83	A	20	20	83	115	20-26	TPGH1103	M030W070	Q08	0.22
2025-96	A	25	20	96	131	25-135	TPGH1103	M030W070	Q08	0.35
2030-115	A	30	20	115	159	30-140	TPGH1103	M030W070	Q08	0.52
20120-97	B	30	20	-	97	120-280	TPGH1103	M030W070	Q08	0.25

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

NBH2084 Micro-Boring Tool Kit  
NBH2084 微调精镗套装组合

(八支套装) DBJ20-8PCS	型号 Specification			
	DBJ2008-32	DBJ2012-53	DBJ2020-83	DBJ2030-115
	DBJ2010-40	DBJ2016-68	DBJ2025-96	DBJ20120-97

型号 Specification	镗孔范围 Boring range	组合刀柄 Adapter	重量 Weight
BT40-NBH2084-8PCS	8-280	BT40-NBH.A50	6.44
BT50-NBH2084-8PCS	8-280	BT50-NBH.A50	8.89



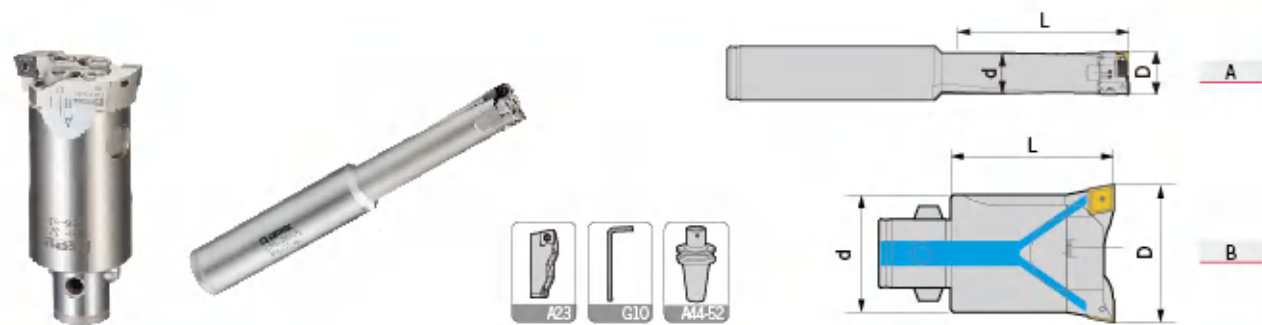
Items 内附零件

- 1.刀柄一把 One boring adapter
- 2.精密镗头一支 One micro boring head
- 3.精镗刀杆八支 Eight micro boring bars
- 4.扳手四支 Four wrenches



# ABH

ABH Rough Boring Tool  
ABH 分体式粗镗头

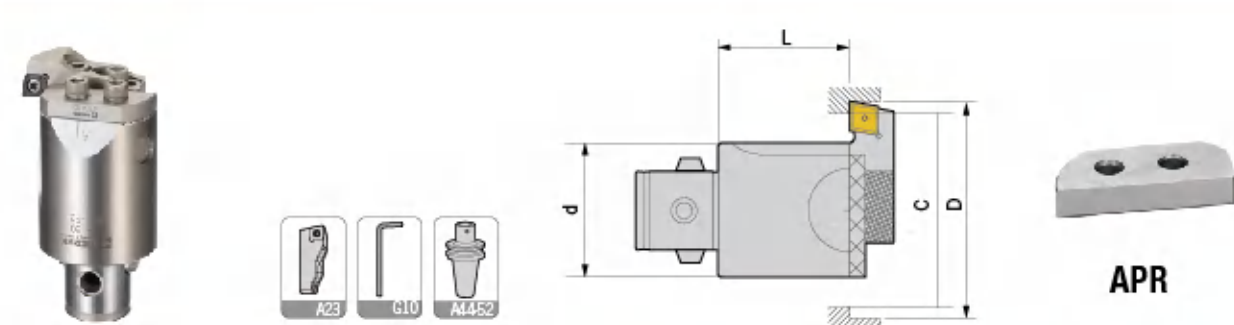


型号 Specification	图示 Figure	d	L	镗孔范围D Boring range	组合刀柄 Adapter size	刀片座 Insert holder	重量 Weight
C20-ABH15-M	A	15	64	16-19	C20	AOCC1619	0.30
C20-ABH15-L	A	15	64	18-21	C20	AOCC1821	0.30
DCK1-ABH19-M	B	19	32.5	20-26	DCK1	AACC2026 ABCC2026	0.09
DCK1-ABH19-L	B	19	32.5	25-31	DCK1	AACC2531 ABCC2531	0.10
DCK2-ABH25-M	B	25	50	29-36	DCK2	AACC2936 ABCC2936	0.17
DCK2-ABH25-L	B	25	50	35-42	DCK2	AACC3542 ABCC3542	0.19
DCK3-ABH32-M	B	32	63	36-45	DCK3	AACC3645 ABCC3645	0.37
DCK3-ABH32-L	B	32	63	44-53	DCK3	AACC4453 ABCC4453	0.37
DCK4-ABH40-M	B	40	63	45-56	DCK4	AACC4556 ABCC4556	0.56
DCK4-ABH40-L	B	40	63	55-66	DCK4	AACC5566 ABCC5566	0.58
DCK5-ABH50-M	B	50	80	56-74	DCK5	AACC5674 ABCC5674	1.10
DCK5-ABH50-L	B	50	80	74-92	DCK5	AACC7492 ABCC7492	1.14
DCK6-ABH63-M	B	64	82	70-90	DCK6	AACC7090 ABCC7090	1.78
DCK6-ABH63-L	B	64	82	90-110	DCK6	AACC90110 ABCC90110	1.90
DCK6-ABH80-M	B	80	82	90-130	DCK6	AACC90130 ABCC90130	2.30
DCK6-ABH80-L	B	80	82	130-170	DCK6	AACC130170 ABCC130170	2.44

注：使用错齿式加工详见A77页“加工方法”  
Notice: For stepped cutting, please refer to Page A77.

# ABH

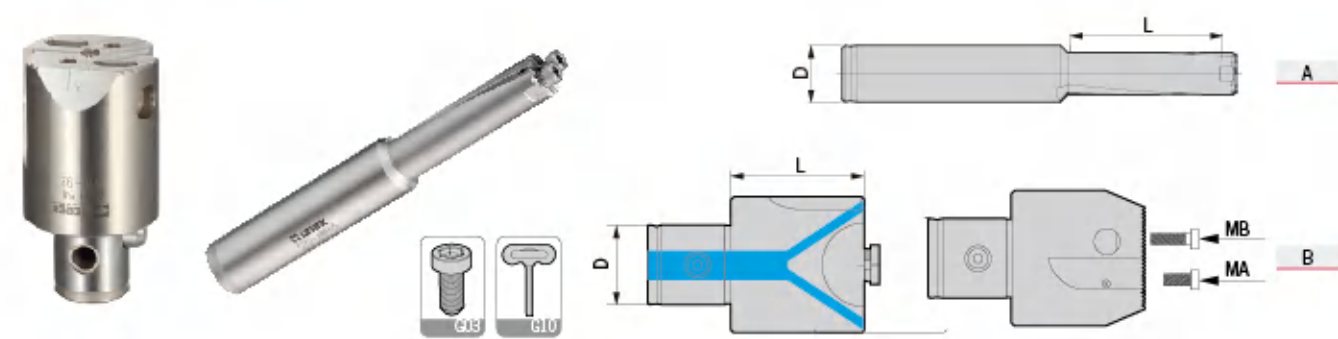
ABH Rough Back-boring Tool  
ABH 反镗式粗镗头



型号 Specification	d	L	镗孔范围C-D Boring range	组合刀柄 Adapter size	刀片座 Insert holder	压板 Clamp	重量 Weight
DCK2-ABH25-MF	25	41	29-36	DCK2	AKCC2936	APR25	0.17
DCK2-ABH25-LF	25	41	35-42	DCK2	AKCC3542	APR25	0.18
DCK3-ABH32-MF	32	49	36-45	DCK3	AKCC3645	APR32	0.36
DCK3-ABH32-LF	32	49	44-53	DCK3	AKCC4453	APR32	0.36
DCK4-ABH40-MF	40	49	45-56	DCK4	AKCC4556	APR40	0.54
DCK4-ABH40-LF	40	49	55-66	DCK4	AKCC5566	APR40	0.55
DCK5-ABH50-MF	50	61	56-74	DCK5	AKCC5674	APR50	1.07
DCK5-ABH50-LF	50	61	74-92	DCK5	AKCC7492	APR50	1.09
DCK6-ABH63-MF	64	61	70-90	DCK6	AKCC7090	APR63	1.74
DCK6-ABH63-LF	64	61	90-110	DCK6	AKCC90110	APR63	1.79
DCK6-ABH80-MF	80	61	90-130	DCK6	AKCC90130	APR80	2.23
DCK6-ABH80-LF	80	61	130-170	DCK6	AKCC130170	APR80	2.30

注/Notice: 选配反镗头需满足:  $C > (D+d)/2$

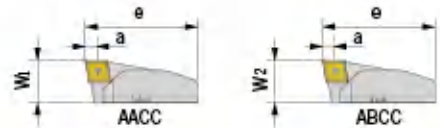
ABH Twin-bit Rough Boring Head  
ABH 分体式粗镗头本体



型号 Specification	图示 Figure	D	L	刀片座锁紧螺钉 MA	刀片座锁紧螺钉 MB	L型扳手 Wrench	重量 Weight
ABH 15	A	15	53	-	E040U100-D	L03	0.28
19	B	11	21.5	-	E040U160-D	L03	0.07
25	B	14	40	-	E040U160-D	L03	0.16
32	B	18	48	E050U120-D	E050U200-D	L04	0.33
40	B	22	48	E060U120-D	E060U200-D	L05	0.49
50	B	28	60	E060U160-D	E060U250-D	L05	0.98
63	B	36	60	E080U160-D	E080U300-D	L06	1.60
80	B	36	60	E080U160-D	E080U300-D	L06	1.93

# ABH

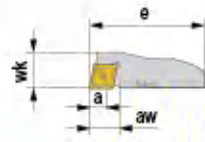
Cartridge for ABH Rough Boring Tool  
ABH 粗镗头刀座



高刃刀座A Cartridge A	低刃刀座B Cartridge B	W1	W2	e	镗孔量 a	镗孔范围 Boring range	组合镗头 Boring head	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
AACC 1619		11	13.85	0.5-2		16-19	C20-ABH15	CCGT0401	M020D055	Q06	0.01
AACC 1821		11	14.85	0.5-2		18-21	C20-ABH15	CCGT0401	M020D055	Q06	0.01
AACC 2026	ABCC 2026	11.95	11.85	17.7	0.5-3	20-26	ABH19	CCMT0602	M025W060	Q08	0.01
2531	2531	11.95	11.85	20.2	0.5-3	25-31	ABH19	CCMT0602	M025W060	Q08	0.01
2936	2936	11.7	11.5	25	0.5-3	29-36	ABH25	CCMT0602	M025W060	Q08	0.01
3542	3542	11.7	11.5	30	0.5-3	35-42	ABH25	CCMT0602	M025W060	Q08	0.02
3645	3645	11.7	11.5	32	0.5-3	36-45	ABH32	CCMT0602	M025W060	Q08	0.02
4453	4453	11.7	11.5	38	0.5-3	44-53	ABH32	CCMT0602	M025W060	Q08	0.02
4556	4556	15.6	15.4	40	0.5-4	45-56	ABH40	CCMT09T3	M040S100-1	Q15	0.04
5566	5566	15.6	15.4	46.5	0.5-4	55-66	ABH40	CCMT09T3	M040S100-1	Q15	0.05
5674	5674	17.6	17.4	49	0.5-4	56-74	ABH50	CCMT09T3	M040S100-1	Q15	0.06
7492	7492	17.6	17.4	62	0.5-4	74-92	ABH50	CCMT09T3	M040S100-1	Q15	0.09
7090	7090	22.6	22.4	60	0.5-5	70-90	ABH63	CCMT1204	M050Y110-1	Q20	0.12
90110	90110	22.6	22.4	78	0.5-5	90-110	ABH63	CCMT1204	M050Y110-1	Q20	0.18
90130	90130	22.6	22.4	82	0.5-5	90-130	ABH80	CCMT1204	M050Y110-1	Q20	0.18
130170	130170	22.6	22.4	99.5	0.5-5	130-170	ABH80	CCMT1204	M050Y110-1	Q20	0.23

适用 Suitable: 德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

Cartridge for ABH Rough Back-boring Tool  
ABH反镗式粗镗头刀座

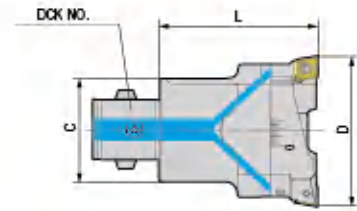


反镗刀座K Cartridge K	aw	wk	e	a	镗孔范围 Boring range	组合镗头 Boring head	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
AKCC 2936	4	11	25	0.5-3	29-36	ABH25	CCMT0602	M025W060	Q08	0.01
3542	7	11	30	0.5-3	35-42	ABH25	CCMT0602	M025W060	Q08	0.02
3645	5	11	32	0.5-3	36-45	ABH32	CCMT0602	M025W060	Q08	0.02
4453	9	11	38	0.5-3	44-53	ABH32	CCMT0602	M025W060	Q08	0.02
4556	5	15	40	0.5-4	45-56	ABH40	CCMT09T3	M040S100-1	Q15	0.04
5566	12	15	46.5	0.5-4	55-66	ABH40	CCMT09T3	M040S100-1	Q15	0.05
5674	11	17	49	0.5-4	56-74	ABH50	CCMT09T3	M040S100-1	Q15	0.07
7492	17	17	62	0.5-4	74-92	ABH50	CCMT09T3	M040S100-1	Q15	0.09
7090	12	21	60	0.5-5	70-90	ABH63	CCMT1204	M050Y110-1	Q20	0.13
90110	22	21	78	0.5-5	90-110	ABH63	CCMT1204	M050Y110-1	Q20	0.18
90130	24	21.5	82	0.5-5	90-130	ABH80	CCMT1204	M050Y110-1	Q20	0.18
130170	24	21.5	102.5	0.5-5	130-170	ABH80	CCMT1204	M050Y110-1	Q20	0.25

适用 Suitable: 德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

# DBH

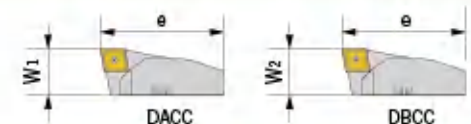
DBH Rough Boring Tool  
DBH 分体式粗镗头



型号 Specification	C	L	镗孔范围D Boring range	组合刀柄 Adapter size	刀片座 Cartridge	重量 Weight
DCK1-DBH20-26-C	19	32.5	20-26	DCK1	DACC2026-C DBCC2026-C	0.06
DCK2-DBH25-33-C	24	35.5	25-33	DCK2	DACC2533-C DBCC2533-C	0.12
DCK3-DBH32-42-T	31	40	32-42	DCK3	DACC3242-T DBCC3242-T	0.27
DCK3-DBH32-42-C	31	40	32-42	DCK3	DACC3242-C DBCC3242-C	0.25
DCK4-DBH40-55-T	39	47	40-55	DCK4	DACC4055-T DBCC4055-T	0.49
DCK4-DBH40-55-C	39	47	40-55	DCK4	DACC4055-C DBCC4055-C	0.45
DCK5-DBH52-70-T	50	47	52-70	DCK5	DACC5270-T DBCC5270-T	0.88
DCK5-DBH52-70-C	50	47	52-70	DCK5	DACC5270-C DBCC5270-C	0.88
DCK6-DBH68-92-T	64	71	68-92	DCK6	DACC6892-T DBCC6892-T	1.60
DCK6-DBH68-92-C	64	71	68-92	DCK6	DACC6892-C DBCC6892-C	1.58
DCK6-DBH90-122-T	64	71	90-122	DCK6	DACC90122-T DBCC90122-T	2.43
DCK6-DBH90-122-C	64	71	90-122	DCK6	DACC90122-C DBCC90122-C	2.28
DCK6-DBH120-164-T	64	71	120-164	DCK6	DACC120164-T DBCC120164-T	3.20
DCK6-DBH120-164-C	64	71	120-164	DCK6	DACC120164-C DBCC120164-C	3.20
DCK6-DBH160-204-T	64	71	160-204	DCK6	DACC160204-T DBCC160204-T	3.30
DCK6-DBH160-204-C	64	71	160-204	DCK6	DACC160204-C DBCC160204-C	3.30
DCK7-DBH120-164-T	90	87	120-164	DCK7	DACC120164-T DBCC120164-T	4.70
DCK7-DBH120-164-C	90	87	120-164	DCK7	DACC120164-C DBCC120164-C	4.70
DCK7-DBH160-204-T	90	87	160-204	DCK7	DACC160204-T DBCC160204-T	5.80
DCK7-DBH160-204-C	90	87	160-204	DCK7	DACC160204-C DBCC160204-C	5.80

注: 使用锯齿式加工详见A77页“加工方法”  
Notice: For stepped cutting, please refer to Page A77.

Cartridge for DBH Rough Boring Tool  
DBH 粗镗头刀座



高刃刀座A Cartridge A	低刃刀座B Cartridge B	W1	W2	e	镗孔范围 Boring range	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
DACC 2026-C	DBCC 2026-C	13.2	13.0	17.0	20-26	CCMT0602	M025W060	Q08	0.01
2533-C	2533-C	13.2	13.0	20.9	25-33	CCMT0602	M025W060	Q08	0.01
3242-C	3242-C	16.4	16.2	26.4	32-42	CCMT0602	M025W060	Q08	0.02
4055-C	4055-C	19.6	19.4	33.0	40-55	CCMT09T3	M040S100-1	Q15	0.04
5270-C	5270-C	22.6	22.4	44.4	52-70	CCMT09T3	M040S100-1	Q15	0.06
6892-C	6892-C	27.7	27.5	58.4	68-92	CCMT1204	M050Y110-1	Q20	0.09
90122-C	90122-C	25.7	25.45	72.9	90-122	CCMT1204	M050Y110-1	Q20	0.12
120164-C	120164-C	29.7	29.4	106.5	120-164	CCMT1204	M050Y110-1	Q20	0.18
160204-C	160204-C	29.7	29.4	120.5	160-204	CCMT1204	M050Y110-1	Q20	0.23
DACC 3242-T	DBCC 3242-T	16.4	16.2	26.4	32-42	TCMT1102	M025W060	Q08	0.02
4055-T	4055-T	19.4	19.2	33.0	40-55	TCMT1102	M025W060	Q08	0.04
5270-T	5270-T	22.6	22.4	44.2	52-70	TCMT16T3	M040S100-1	Q15	0.06
6892-T	6892-T	27.7	27.5	58.4	68-92	TCMT16T3	M040S100-1	Q15	0.09
90122-T	90122-T	25.7	25.45	72.9	90-122	TCMT2204	M040S100-1	Q20	0.12
120164-T	120164-T	29.7	29.4	106.5	120-164	TCMT2204	M050Y110-1	Q20	0.18
160204-T	160204-T	29.7	29.4	120.5	160-204	TCMT2204	M050Y110-1	Q20	0.23

适用 Suitable: 德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

# FM-DBH

FM-DBH Large Diameter Rough Boring Tool  
FM-DBH 大径双刃粗镗头



型号 Specification	镗孔范围 Boring range	H	组合刀柄 Adapter size	刀片型号 Insert	重量 Weight
FMS-DBH148200	148-200	102	FMS	CCMT1204	3.86
DBH198250	198-250	102	FMS	/	4.39
DBH248300	248-300	102	FMS	CNMG1606	4.87

刀片座 Insert Holder	图示 Picture	刀片型号 Insert	配件 Item	扳手 Wrench	重量 Weight
S12-R40-CC12		CCMT1204	M050Y110-1	Q20	0.25
S12-R40-CN16		CNMG1606	MC1604 MX0822 MY0823 ML0828	L03,L04	0.30

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

组件 Item	型号 Specification	图示 Picture	重量 Weight
组合刀柄 Adapter Size	HSK-A-FMS		-
	BT-FMS		-
	SK-FMS		-
	BBT-FMS		-
	CAT-FMS		-
大径铝横梁 Extension Aluminum Bridge	FMS40-148		1.46
	FMS40-198		1.99
	FMS40-248		2.47
粗镗滑块 Rough Boring Slider	FMS12-S17		0.95

## 特点 / Feature

- 铝制比重70-90%。
- 中心内冷。
- 轴向可调，调节行程1.5 mm。
- 动平衡设定：G6.3；1, 000 rpm。
- 70-90% of material is made from Aluminum.
- With internal cooling supply.
- Axial direction adjustable 0~1.5mm.
- Balanced: G6.3;1,000 rpm.

# FM-DBH

FM-DBH Large Diameter Rough Boring Tool  
FM-DBH 大径双刃粗镗头



型号 Specification	镗孔范围 Boring range	H	组合刀柄 Adapter size	刀片型号 Insert	重量 Weight
FMX-DBH298380	298-380	114	FMX	CCMT1204	8.97
DBH378460	378-460	119	FMX	/	10.73
DBH458540	458-540	124	FMX	CNMG1606	12.66

刀片座 Insert Holder	图示 Picture	刀片型号 Insert	配件 Item	扳手 Wrench	重量 Weight
S12-R40-CC12		CCMT1204	M050Y110-1	Q20	0.25
S12-R40-CN16		CNMG1606	MC1604 MX0822 MY0823 ML0828	L03,L04	0.30

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

组件 Item	型号 Specification	图示 Picture	重量 Weight
组合刀柄 Adapter Size	HSK-A-FMX		-
	BT-FMX		-
	SK-FMX		-
	BBT-FMX		-
	CAT-FMX		-
大径铝横梁 Extension Aluminum Bridge	FMX40-298		5.33
	FMX40-378		7.09
	FMX40-458		9.02
粗镗滑块 Rough Boring Slider	FMS12-S24		1.57

## 特点 / Feature

- 铝制比重70-90%。
- 中心内冷。
- 轴向可调，调节行程1.5 mm。
- 动平衡设定：G6.3；1, 000 rpm。
- 70-90% of material is made from Aluminum.
- With internal cooling supply.
- Axial direction adjustable 0~1.5mm.
- Balanced: G6.3;1,000 rpm.

# FM-DBH

FM-DBH Large Diameter Rough Boring Tool  
FM-DBH 大径双刃粗镗头



型号 Specification	镗孔范围 Boring range	H	组合刀柄 Adapter size	刀片型号 Insert	重量 Weight
FMX-DBH538780	538-780	198	FMX	CCMT1204	25.11
DBH7781020	778-1020	218	FMX	/	36.30
DBH10181260	1018-1260	218	FMX	CNMG1606	43.73

刀片座 Insert Holder	图示 Picture	刀片型号 Insert	配件 Item	扳手 Wrench	重量 Weight
S12-R40-CC12		CCMT1204	M050Y110-1	Q20	0.25
S12-R40-CN16		CNMG1606	MC1604 MX0822 MY0823 ML0828	L03,L04	0.30

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

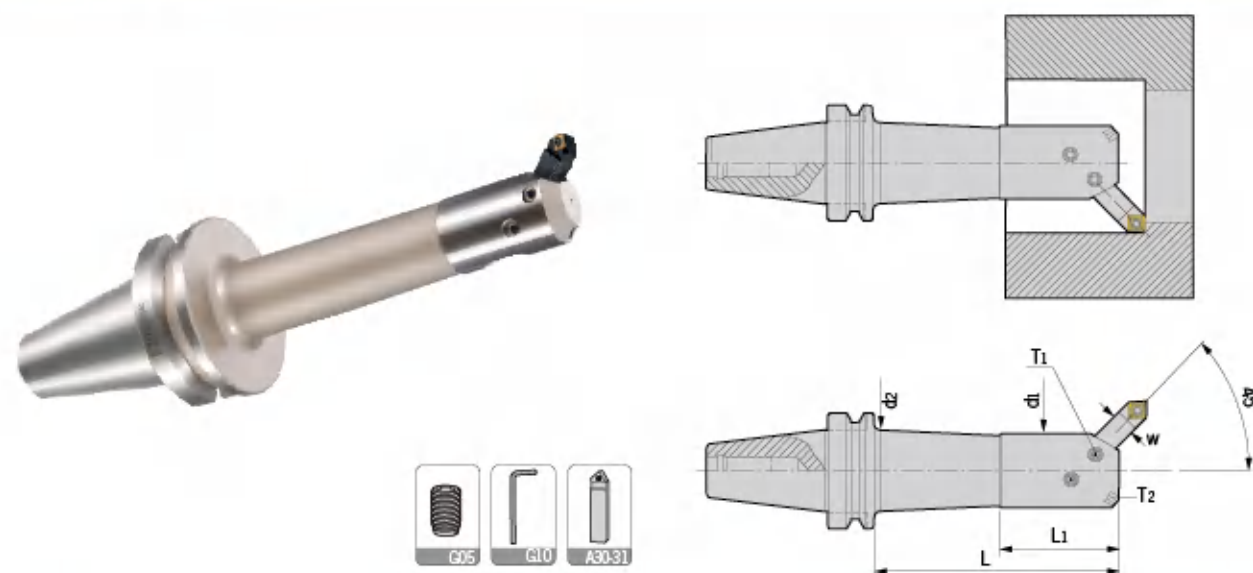
组件 Item	型号 Specification	图示 Picture	重量 Weight
组合刀柄 Adapter size	HSK-A-FMX		-
	BT-FMX		-
	SK-FMX		-
	BBT-FMX		-
	CAT-FMX		-
大径铝横梁 Extension Aluminum bridge	FMX40-538		14.77
	FMX40-778		25.96
	FMX40-1018		33.39
加长铝滑块 Long Aluminum Slider	FMA35-S24		3.35
粗镗滑块 Rough Boring Slider	FMS12-S24		1.57

## 特点 / Feature

- 铝制比重70-90%。
- 中心内冷。
- 轴向可调，调节行程1.5 mm。
- 动平衡设定：G6.3；1, 000 rpm。
- 70-90% of material is made from Aluminum.
- With internal cooling supply.
- Axial direction adjustable 0~1.5mm.
- Balanced: G6.3;1,000 rpm.

# BSA

BSA 45° Boring Holder With Square Boring Bit  
BSA45° 粗镗孔刀柄

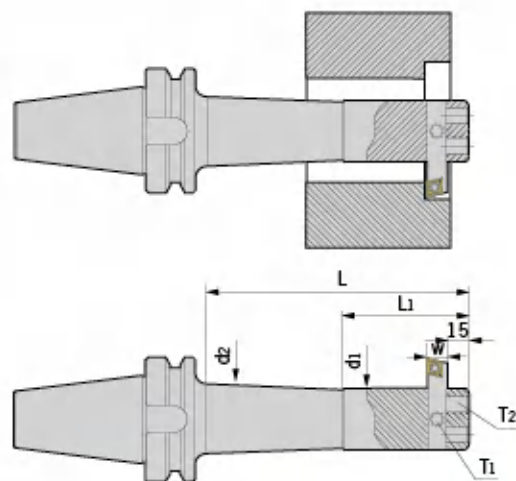


型号 Specification	d1	d2	L1	L	镗孔范围 Boring range	W	锁紧螺钉 T1	锁紧螺钉 T2	重量 Weight
<b>BT40-</b> BSA25-120	20	22	35	90	25-38	8	M060U060-D	-	1.19
BSA30-150	24	26	40	120	30-42	8	M060U080-D	M060U100-D	1.40
BSA38-165	30	33	50	135	38-52	10	M080U100-D	M080U120-D	1.70
BSA42-165	34	37	50	135	42-56	10	M080U100-D	M080U120-D	1.91
BSA42-210	34	37	50	180	42-56	10	M080U100-D	M080U120-D	2.24
BSA50-165	40	44	65	135	50-65	13	M080U100-D	M080U120-D	2.24
BSA62-180	50	56	80	150	62-90	16	M100U120-D	M100U160-D	3.20
BSA72-180	60	-	95	150	72-110	19	M100U120-D	M100U200-D	3.93
BSA90-180	75	-	-	150	90-125	19	M120U200-D	M120U300-D	5.13
<b>BT50-</b> BSA25-135	20	22	35	92	25-38	8	M060U060-D	-	3.90
BSA30-165	24	26	40	122	30-42	8	M060U080-D	M060U100-D	4.07
BSA38-180	30	33	50	137	38-52	10	M080U100-D	M080U120-D	4.39
BSA42-210	34	37	60	167	42-56	10	M080U100-D	M080U120-D	4.86
BSA50-180	40	44	65	137	50-65	13	M080U100-D	M080U120-D	5.00
BSA50-240	40	44	65	197	50-65	13	M080U100-D	M080U120-D	5.59
BSA62-195	50	56	80	152	62-90	16	M100U120-D	M100U160-D	5.93
BSA62-270	50	56	80	227	62-90	16	M100U120-D	M100U160-D	6.63
BSA72-195	60	66	95	152	72-110	19	M100U160-D	M100U200-D	6.18
BSA72-285	60	66	95	242	72-110	19	M100U160-D	M100U200-D	8.92
BSA90-210	75	80	110	267	90-125	19	M120U200-D	M120U300-D	8.88
BSA90-300	75	80	110	257	90-125	19	M120U200-D	M120U300-D	12.14
BSA105-195	90	-	-	152	105-160	25	M120U200-D	M120U300-D	10.60
BSA105-285	90	94	130	242	105-160	25	M120U200-D	M120U300-D	14.00

注：刀夹需单独订购。  
Notice: Square boring bit shall be ordered separately.

## 特点 / Feature

- 可选用四角形熔焊刀具或舍弃式刀具。
- 镗盲孔专用。
- Can be with 4-corner welded cutter or indexable cutting tools.
- Special for blind holes.



型号 Specification	d1	d2	L1	L	镗孔范围 Boring range	W	锁紧螺钉 T1	锁紧螺钉 T2	重量 Weight
<b>BT40-</b> BSB25-120	20	22	35	90	25-52	8	M060U060-D	M060U120-D	1.21
BSB38-150	30	33	55	120	38-70	10	M080U100-D	M080U120-D	1.73
BSB50-165	40	44	70	135	50-90	13	M100U120-D	M100U120-D	2.45
BSB62-180	50	56	80	150	62-115	16	M100U120-D	M100U160-D	3.56
BSB90-180	75	-	-	150	90-150	19	M120U120-D	M120U250-D	6.30
<b>BT50-</b> BSB25-135	20	22	35	92	25-52	8	M060U060-D	M060U120-D	3.95
BSB38-180	30	33	55	137	38-70	10	M080U100-D	M080U120-D	4.51
BSB50-180	40	44	70	137	50-90	13	M100U120-D	M100U120-D	5.21
BSB50-240	40	44	70	197	50-90	13	M100U120-D	M100U120-D	5.82
BSB62-195	50	56	80	152	62-115	16	M100U120-D	M100U160-D	6.33
BSB62-270	50	56	80	227	62-115	16	M100U120-D	M100U160-D	7.61
BSB72-195	60	66	95	152	72-135	19	M120U120-D	M120U200-D	7.40
BSB72-285	60	66	95	242	72-135	19	M120U120-D	M120U200-D	9.37
BSB90-210	75	80	115	167	90-150	19	M120U120-D	M120U250-D	9.97
BSB90-300	75	80	115	257	90-150	19	M120U120-D	M120U250-D	13.24
BSB105-195	90	-	-	152	105-190	25	M120U120-D	M120U300-D	11.66
BSB105-285	90	94	135	242	105-190	25	M120U120-D	M120U300-D	16.29

注：刀夹需单独订购。  
Notice: Square boring bit shall be ordered separately.

### 特点 / Feature

- 适用于孔径凹凸不平，毛坯粗糙之加工物。 ■For work piece with a rough surface.
- 适用通孔、反镗加工。 ■Special for through holes.

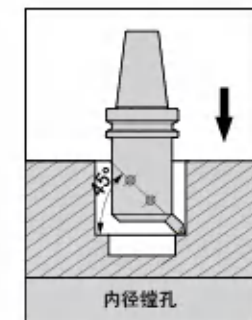


T90度刀杆适用于BSB刀柄 For BSB Boring Holder

型号 Specification	D	L	镗孔范围 Boring range	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>TBS</b> 910-36-L	10	36	38-50	TPGH0902	M025W060	Q08	0.05
910-45-L	10	45	50-70	TPGH0902	M025W060	Q08	0.05
913-48-L	13	48	50-70	TPGH1103	M030W070	Q08	0.08
913-65-L	13	65	70-90	TPGH1103	M030W070	Q08	0.10
916-60-L	16	60	62-90	TPGH1103	M030W070	Q08	0.15
916-80-L	16	80	90-115	TPGH1103	M030W070	Q08	0.20
919-70-L	19	70	72-105	TPGH1603	M035D080-2	Q15	0.22
919-85-L	19	85	90-115	TPGH1603	M035D080-2	Q15	0.25
919-90-L	19	90	105-135	TPGH1603	M035D080-2	Q15	0.27
919-105-L	19	105	115-150	TPGH1603	M035D080-2	Q15	0.30
925-100-L	25	100	105-140	TPGH1603	M035D080-2	Q15	0.50
925-135-L	25	130	140-190	TPGH1603	M035D080-2	Q15	0.65

适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

备注：R为右手刀背镗专用R:Special for back boring



T45度刀杆适用于BSA刀柄 For BSA Boring Holder

型号 Specification	D	L	镗孔范围 Boring range	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>TBS</b> 410-45	10	45	38-52	TPGH0902	M025W060	Q08	0.05
410-50	10	50	42-56	TPGH0902	M025W060	Q08	0.05
413-60	13	60	50-65	TPGH1103	M030W070	Q08	0.10
416-75	16	75	62-90	TPGH1103	M030W070	Q08	0.15
419-90	19	90	72-110	TPGH1603	M035D080-2	Q15	0.25
419-115	19	115	90-125	TPGH1603	M035D080-2	Q15	0.35
425-130	25	130	105-160	TPGH1603	M035D080-2	Q15	0.65

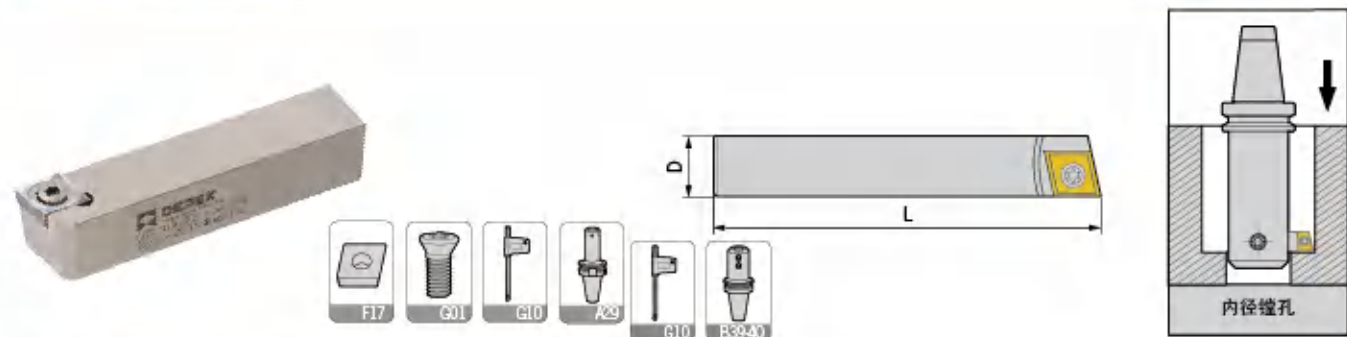
适用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

### 特点 / Feature

- TBS适合粗加工及中切削加工。 ■For roughing and medium-heavy cutting.

# CBS

CBS Square Boring Bar  
CBS 舍弃式镗孔刀杆

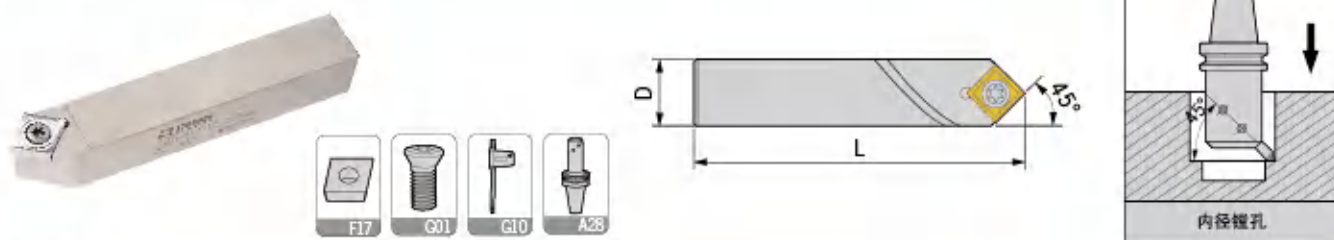


C90度刀杆适用于BSB刀柄 For BSB Boring Holder

型号 Specification	D	L	镗孔范围 Boring range	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>CBS</b> 908-23-L	8	23	25-38	CCMT0602	M025W060	Q08	0.05
908-30-L	8	30	38-52	CCMT0602	M025W060	Q08	0.06
910-36-L	10	36	38-50	CCMT0602	M025W060	Q08	0.07
910-45-L	10	45	50-70	CCMT0602	M025W060	Q08	0.08
913-48-L	13	48	50-70	CCMT09T3	M040S100	Q15	0.10
913-65-L	13	65	70-90	CCMT09T3	M040S100	Q15	0.12
916-60-L	16	60	62-90	CCMT09T3	M040S100	Q15	0.15
916-80-L	16	80	90-115	CCMT09T3	M040S100	Q15	0.17
919-70-L	19	70	72-105	CCMT1204	M050Y110-1	Q20	0.20
919-85-L	19	85	90-115	CCMT1204	M050Y110-1	Q20	0.28
919-90-L	19	90	105-135	CCMT1204	M050Y110-1	Q20	0.25
919-105-L	19	105	115-150	CCMT1204	M050Y110-1	Q20	0.30
925-100-L	25	100	105-140	CCMT1204	M050Y110-1	Q20	0.50
925-135-L	25	135	140-190	CCMT1204	M050Y110-1	Q20	0.65

适用 Suitable: 德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

备注: R为右手刀背镗专用R:Special for back boring



C45度刀杆适用于BSA刀柄 For BSA Boring Holder

型号 Specification	D	L	镗孔范围 Boring range	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>CBS</b> 408-30	8	30	25-38	CCMT0602	M025W060	Q08	0.05
408-35	8	35	30-42	CCMT0602	M025W060	Q08	0.06
410-45	10	45	38-52	CCMT0602	M025W060	Q08	0.07
410-50	10	50	42-56	CCMT0602	M025W060	Q08	0.08
413-60	13	60	50-65	CCMT09T3	M040S100	Q15	0.10
416-75	16	75	62-90	CCMT09T3	M040S100	Q15	0.20
419-90	19	90	72-110	CCMT1204	M050Y110-1	Q20	0.25
419-115	19	115	90-125	CCMT1204	M050Y110-1	Q20	0.30
425-130	25	130	105-160	CCMT1204	M050Y110-1	Q20	0.60

适用 Suitable: 德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

### 特点 / Feature

■CBS适合重切削加工。 ■For heavy cutting.

# SB

SB Fixed Rough Boring Bar  
SB 固定式粗镗刀杆

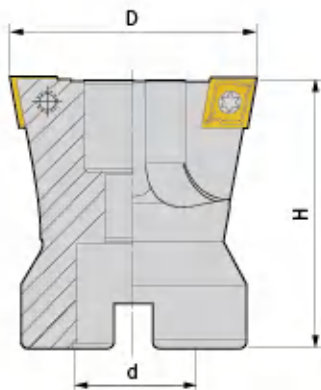


型号 Specification	刃数 Teeth	D	d	L1	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench
<b>SB-</b> C16-TB16-110	2	15.8	16	60	110	CCMT060204	M025W060	Q08
C16-TB16-135	2	15.8	16	85	135	CCMT060204	M025W060	Q08
C16-TB17-110	2	16.8	16	40	110	CCMT060204	M025W060	Q08
C16-TB17-135	2	16.8	16	40	135	CCMT060204	M025W060	Q08
C16-TB18-110	2	17.8	16	40	110	CCMT060204	M025W060	Q08
C16-TB18-135	2	17.8	16	40	135	CCMT060204	M025W060	Q08
C16-TB19-110	2	18.8	16	40	110	CCMT060204	M025W060	Q08
C16-TB19-160	2	18.8	16	40	160	CCMT060204	M025W060	Q08
C16-TB20-110	2	19.8	16	40	110	CCMT060204	M025W060	Q08
C16-TB20-160	2	19.8	16	40	160	CCMT060204	M025W060	Q08
C20-TB21-120	2	20.8	20	40	120	CCMT060204	M025W060	Q08
C20-TB21-160	2	20.8	20	40	160	CCMT060204	M025W060	Q08
C20-TB22-120	2	21.8	20	40	120	CCMT060204	M025W060	Q08
C20-TB22-160	2	21.8	20	40	160	CCMT060204	M025W060	Q08
C20-TB23-120	2	22.8	20	40	120	CCMT060204	M025W060	Q08
C20-TB23-180	2	22.8	20	40	180	CCMT060204	M025W060	Q08
C20-TB24-120	2	23.8	20	40	120	CCMT060204	M025W060	Q08
C20-TB24-180	2	23.8	20	40	180	CCMT060204	M025W060	Q08
C20-TB25-120	2	24.8	20	40	120	CCMT060204	M025W060	Q08
C20-TB25-160	2	24.8	20	90	160	CCMT060204	M025W060	Q08
C20-TB25-190	2	24.8	20	40	190	CCMT060204	M025W060	Q08
C20-TB26-120	2	25.8	20	40	120	CCMT060204	M025W060	Q08
C20-TB26-190	2	25.8	20	40	190	CCMT060204	M025W060	Q08
C20-TB27-120	2	26.8	20	40	120	CCMT060204	M025W060	Q08
C20-TB27-190	2	26.8	20	40	190	CCMT060204	M025W060	Q08
C20-TB28-120	2	27.8	20	40	120	CCMT09T308	M040S100-1	Q15
C20-TB28-190	2	27.8	20	40	190	CCMT09T308	M040S100-1	Q15
C25-TB30-160	2	29.8	25	50	160	CCMT09T308	M040S100-1	Q15
C25-TB30-190	2	29.8	25	50	190	CCMT09T308	M040S100-1	Q15
C25-TB32-160	2	31.8	25	50	160	CCMT09T308	M040S100-1	Q15
C25-TB32-210	2	31.8	25	50	210	CCMT09T308	M040S100-1	Q15
C25-TB35-160	2	34.8	25	50	160	CCMT09T308	M040S100-1	Q15
C25-TB35-230	2	34.8	25	50	230	CCMT09T308	M040S100-1	Q15
C25-TB37-160	2	36.8	25	50	160	CCMT09T308	M040S100-1	Q15
C25-TB37-250	2	36.8	25	50	250	CCMT09T308	M040S100-1	Q15
C25-TB40-160	2	39.8	25	50	160	CCMT09T308	M040S100-1	Q15
C32-TB40-250	2	39.8	32	50	250	CCMT09T308	M040S100-1	Q15
C32-TB42-200	2	41.8	32	50	200	CCMT09T308	M040S100-1	Q15
C32-TB42-250	2	41.8	32	50	250	CCMT09T308	M040S100-1	Q15
C32-TB45-200	2	44.8	32	50	200	CCMT09T308	M040S100-1	Q15
C32-TB45-310	2	44.8	32	50	310	CCMT09T308	M040S100-1	Q15
C32-TB47-200	2	46.8	32	50	200	CCMT09T308	M040S100-1	Q15
C32-TB47-260	2	46.8	32	50	260	CCMT09T308	M040S100-1	Q15
C32-TB50-200	2	49.8	32	50	200	CCMT09T308	M040S100-1	Q15
C32-TB50-310	2	49.8	32	50	310	CCMT09T308	M040S100-1	Q15

适用 Suitable: 德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

# MC

MC Fixed Boring Head  
MC 固定式粗镗头

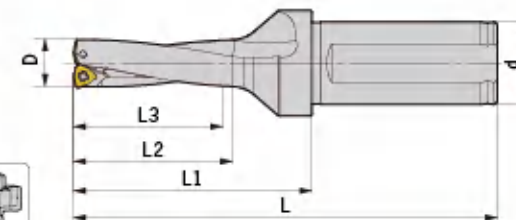


型号 Specification	刃数 Teeth	D	d	H	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
MC 22-45	2	44.8	22	50	CCMT09T308	M040S100-1	Q15	0.25
22-50	2	49.8	22	50	CCMT09T308	M040S100-1	Q15	0.30
22-55	2	54.8	22	50	CCMT09T308	M040S100-1	Q15	0.35
22-60	2	59.8	22	50	CCMT09T308	M040S100-1	Q15	0.47
27-65	2	64.8	27	50	CCMT09T308	M040S100-1	Q15	0.60
27-70	2	69.8	27	50	CCMT09T308	M040S100-1	Q15	0.78
27-75	2	74.8	27	50	CCMT09T308	M040S100-1	Q15	0.86
27-80	2	79.8	27	50	CCMT09T308	M040S100-1	Q15	0.94
27-85	2	84.8	27	50	CCMT09T308	M040S100-1	Q15	1.08
27-90	2	89.8	27	50	CCMT09T308	M040S100-1	Q15	1.10
27-95	2	94.8	27	50	CCMT09T308	M040S100-1	Q15	1.16
27-100	2	99.8	27	50	CCMT09T308	M040S100-1	Q15	1.20
32-105	2	104.8	32	63	CCMT09T308	M040S100-1	Q15	1.84
32-110	2	109.8	32	63	CCMT09T308	M040S100-1	Q15	2.13
32-115	2	114.8	32	63	CCMT09T308	M040S100-1	Q15	2.22
32-120	2	119.8	32	63	CCMT09T308	M040S100-1	Q15	2.28
32-125	2	124.8	32	63	CCMT09T308	M040S100-1	Q15	1.72
32-130	2	129.8	32	63	CCMT09T308	M040S100-1	Q15	2.42

適用 Suitable: 德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

# KSD-W

KSD-W Indexable Insert Drill (3xD)  
KSD-W 舍弃式快速钻头 (3倍长)



型号 Specification	刃数 Teeth	D	d	L1	L2	L3	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>KSD- C25-150-3-W</b>	2	15	25	72	48	45	128	WCMX030208	M025W050	Q08B	0.32
C25-155-3-W	2	15.5	25	72	48	45	128	WCMX030208	M025W050	Q08B	0.32
C25-160-3-W	2	16	25	75	51	48	131	WCMX030208	M025W050	Q08B	0.33
C25-165-3-W	2	16.5	25	75	51	48	131	WCMX030208	M025W050	Q08B	0.34
C25-170-3-W	2	17	25	78	54	51	134	WCMX030208	M025W060	Q08B	0.34
C25-175-3-W	2	17.5	25	78	54	51	134	WCMX030208	M025W060	Q08B	0.35
C25-180-3-W	2	18	25	81	57	54	137	WCMX030208	M025W060	Q08B	0.36
C25-185-3-W	2	18.5	25	81	57	54	137	WCMX030208	M025W060	Q08B	0.36
C25-190-3-W	2	19	25	84	60	57	140	WCMX030208	M025W060	Q08B	0.37
C25-195-3-W	2	19.5	25	84	60	57	140	WCMX030208	M025W060	Q08B	0.37
C32-200-3-W	2	20	32	91	64	60	151	WCMX040208	M025W060	Q08B	0.57
C32-205-3-W	2	20.5	32	91	64	60	151	WCMX040208	M025W060	Q08B	0.57
C32-210-3-W	2	21	32	94	67	63	154	WCMX040208	M025W060	Q08B	0.58
C32-215-3-W	2	21.5	32	94	67	63	154	WCMX040208	M025W060	Q08B	0.58
C32-220-3-W	2	22	32	97	70	66	157	WCMX040208	M025W060	Q08B	0.59
C32-225-3-W	2	22.5	32	97	70	66	157	WCMX040208	M025W060	Q08B	0.59
C32-230-3-W	2	23	32	100	73	69	160	WCMX040208	M025W060	Q08B	0.61
C32-235-3-W	2	23.5	32	100	73	69	160	WCMX040208	M025W060	Q08B	0.62
C32-240-3-W	2	24	32	103	76	72	163	WCMX040208	M025W060	Q08B	0.64
C32-245-3-W	2	24.5	32	103	76	72	163	WCMX040208	M025W060	Q08B	0.65
C32-250-3-W	2	25	32	106	79	75	166	WCMX050308	M030W070	Q08B	0.66
C32-255-3-W	2	25.5	32	106	79	75	166	WCMX050308	M030W070	Q08B	0.66
C32-260-3-W	2	26	32	109	82	78	169	WCMX050308	M030W070	Q08B	0.70
C32-265-3-W	2	26.5	32	109	82	78	169	WCMX050308	M030W070	Q08B	0.70
C32-270-3-W	2	27	32	112	85	81	172	WCMX050308	M030W070	Q08B	0.71
C32-280-3-W	2	28	32	115	88	84	175	WCMX050308	M030W070	Q08B	0.75
C32-290-3-W	2	29	32	118	91	87	178	WCMX050308	M030W070	Q08B	0.77
C32-300-3-W	2	30	32	121	94	90	181	WCMX050308	M030W070	Q08B	0.81
C32-310-3-W	2	31	32	127	97	93	187	WCMT06T308	M035W090	Q15B	0.84
C32-320-3-W	2	32	32	130	100	96	190	WCMT06T308	M035W090	Q15B	0.88
C32-330-3-W	2	33	32	133	103	99	193	WCMT06T308	M035W090	Q15B	0.93
C32-340-3-W	2	34	32	136	106	102	196	WCMT06T308	M035W090	Q15B	0.96
C32-350-3-W	2	35	32	139	109	105	199	WCMT06T308	M035W090	Q15B	0.97
C32-360-3-W	2	36	32	142	112	108	202	WCMT06T308	M035W090	Q15B	1.06
C32-370-3-W	2	37	32	145	115	111	205	WCMT06T308	M035W090	Q15B	1.06
C32-380-3-W	2	38	32	148	118	114	208	WCMT06T308	M035W090	Q15B	1.06
C32-390-3-W	2	39	32	151	121	117	211	WCMT06T308	M035W090	Q15B	1.17

適用 Suitable: 德克或住友刀片 DEREK Or SUMITOMO Insert

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# KSD-W

KSD-W Indexable Insert Drill (3xD)  
KSD-W 舍弃式快速钻头 (3倍长)



型号 Specification	刃数 Teeth	D	d	L1	L2	L3	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>KSD- C40-400-3-W</b>	2	40	40	156	126	120	226	WCMT080412	M040W090	Q15B	1.66
C40-410-3-W	2	41	40	159	129	123	229	WCMT080412	M040W090	Q15B	1.66
C40-420-3-W	2	42	40	162	132	126	232	WCMT080412	M040W090	Q15B	1.70
C40-430-3-W	2	43	40	165	135	129	235	WCMT080412	M040W090	Q15B	1.77
C40-440-3-W	2	44	40	168	138	132	238	WCMT080412	M040W090	Q15B	1.81
C40-450-3-W	2	45	40	171	141	135	241	WCMT080412	M040W090	Q15B	1.81
C40-460-3-W	2	46	40	174	144	138	244	WCMT080412	M040W090	Q15B	1.96
C40-470-3-W	2	47	40	177	147	141	247	WCMT080412	M040W090	Q15B	2.04
C40-480-3-W	2	48	40	180	150	144	250	WCMT080412	M040W090	Q15B	2.11
C40-490-3-W	2	49	40	183	150	147	253	WCMT080412	M040W090	Q15B	2.20
C40-500-3-W	2	50	40	186	153	150	256	WCMT080412	M040W090	Q15B	2.28
C40-510-3-W	2	51	40	189	153	153	259	WCMT080412	M040W090	Q15B	2.30
C40-520-3-W	2	52	40	192	156	156	262	WCMT080412	M040W090	Q15B	2.40
C40-530-3-W	2	53	40	195	159	159	265	WCMT080412	M040W090	Q15B	2.42
C40-540-3-W	2	54	40	198	162	162	268	WCMT080412	M040W090	Q15B	2.46
C40-550-3-W	2	55	40	201	165	165	271	WCMT080412	M040W090	Q15B	2.56
C40-560-3-W	2	56	40	204	168	168	274	WCMT080412	M040W090	Q15B	2.79
C40-570-3-W	2	57	40	207	171	171	277	WCMT080412	M040W090	Q15B	2.89
C40-580-3-W	2	58	40	210	174	174	280	WCMT080412	M040W090	Q15B	2.95
C40-590-3-W	2	59	40	213	177	177	283	WCMT080412	M040W090	Q15B	3.18
C40-600-3-W	2	60	40	216	180	180	286	WCMT080412	M040W090	Q15B	3.22
C40-610-3-W	2	61	40	219	183	183	289	WCMX050308	M030W070	Q08B	3.38
C40-620-3-W	2	62	40	222	186	186	292	WCMX050308	M030W070	Q08B	3.47
C40-630-3-W	2	63	40	225	189	189	295	WCMX050308	M030W070	Q08B	3.56
C40-640-3-W	2	64	40	228	192	192	298	WCMX050308	M030W070	Q08B	3.72
C40-650-3-W	2	65	40	231	195	195	301	WCMX050308	M030W070	Q08B	3.94
C40-660-3-W	2	66	40	234	198	198	304	WCMX06T308	M030W070	Q08B	4.01
C40-670-3-W	2	67	40	237	201	201	307	WCMX06T308	M030W070	Q08B	4.23
C40-680-3-W	2	68	40	240	204	204	310	WCMX06T308	M030W070	Q08B	4.28
C40-690-3-W	2	69	40	243	207	207	313	WCMX06T308	M030W070	Q08B	4.49
C40-700-3-W	2	70	40	246	210	210	316	WCMX06T308	M030W070	Q08B	4.60

适用 Suitable: 德克或住友刀片 DEREK Or SUMITOMO Insert

# KSD-W

KSD-W Indexable Insert Drill (4xD)  
KSD-W 舍弃式快速钻头 (4倍长)



型号 Specification	刃数 Teeth	D	d	L1	L2	L3	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>KSD- C25-160-4-W</b>	2	16	25	92	58	64	148	WCMX030208	M025W050	Q08B	0.35
C25-165-4-W	2	16.5	25	92	58	64	148	WCMX030208	M025W050	Q08B	0.35
C25-170-4-W	2	17	25	96	72	68	152	WCMX030208	M025W050	Q08B	0.35
C25-175-4-W	2	17.5	25	96	72	68	152	WCMX030208	M025W050	Q08B	0.36
C25-180-4-W	2	18	25	100	76	72	156	WCMX030208	M025W060	Q08B	0.37
C25-185-4-W	2	18.5	25	100	76	72	156	WCMX030208	M025W060	Q08B	0.38
C25-190-4-W	2	19	25	104	80	76	160	WCMX030208	M025W060	Q08B	0.39
C25-195-4-W	2	19.5	25	104	80	76	160	WCMX030208	M025W060	Q08B	0.39
C32-200-4-W	2	20	32	111	84	80	171	WCMX040208	M025W060	Q08B	0.58
C32-205-4-W	2	20.5	32	111	84	80	171	WCMX040208	M025W060	Q08B	0.59
C32-210-4-W	2	21	32	115	88	84	175	WCMX040208	M025W060	Q08B	0.60
C32-215-4-W	2	21.5	32	115	88	84	175	WCMX040208	M025W060	Q08B	0.61
C32-220-4-W	2	22	32	119	92	88	179	WCMX040208	M025W060	Q08B	0.63
C32-225-4-W	2	22.5	32	119	92	88	179	WCMX040208	M025W060	Q08B	0.63
C32-230-4-W	2	23	32	123	96	92	183	WCMX040208	M025W060	Q08B	0.65
C32-235-4-W	2	23.5	32	123	96	92	183	WCMX040208	M025W060	Q08B	0.66
C32-240-4-W	2	24	32	127	100	96	187	WCMX040208	M025W060	Q08B	0.67
C32-245-4-W	2	24.5	32	127	100	96	187	WCMX040208	M025W060	Q08B	0.68
C32-250-4-W	2	25	32	131	104	100	191	WCMT050308	M030W070	Q08B	0.69
C32-255-4-W	2	25.5	32	131	104	100	191	WCMT050308	M030W070	Q08B	0.71
C32-260-4-W	2	26	32	135	108	104	195	WCMT050308	M030W070	Q08B	0.75
C32-265-4-W	2	26.5	32	135	108	104	195	WCMT050308	M030W070	Q08B	0.75
C32-270-4-W	2	27	32	139	112	108	199	WCMT050308	M030W070	Q08B	0.77
C32-280-4-W	2	28	32	143	116	112	203	WCMT050308	M030W070	Q08B	0.81
C32-290-4-W	2	29	32	147	120	116	207	WCMT050308	M030W070	Q08B	0.84
C32-300-4-W	2	30	32	151	124	120	211	WCMT050308	M030W070	Q08B	0.87
C32-310-4-W	2	31	32	158	128	124	218	WCMT06T308	M035W090	Q15B	0.91
C32-320-4-W	2	32	32	162	132	128	222	WCMT06T308	M035W090	Q15B	0.97
C32-330-4-W	2	33	32	166	136	132	226	WCMT06T308	M035W090	Q15B	1.00
C32-340-4-W	2	34	32	170	140	136	230	WCMT06T308	M035W090	Q15B	1.03
C32-350-4-W	2	35	32	174	144	140	234	WCMT06T308	M035W090	Q15B	1.08
C32-360-4-W	2	36	32	178	148	144	238	WCMT06T308	M035W090	Q15B	1.12
C32-370-4-W	2	37	32	182	152	148	242	WCMT06T308	M035W090	Q15B	1.19
C32-380-4-W	2	38	32	186	156	152	246	WCMT06T308	M035W090	Q15B	1.23
C32-390-4-W	2	39	32	190	160	156	250	WCMT06T308	M035W090	Q15B	1.25

适用 Suitable: 德克或住友刀片 DEREK Or SUMITOMO Insert

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# KSD-W

KSD-W Indexable Insert Drill (4xD)  
KSD-W 舍弃式快速钻头 (4倍长)



型号 Specification	刃数 Teeth	D	d	L1	L2	L3	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>KSD- C40-400-4-W</b>	2	40	40	196	166	160	266	WCMT080412	M040W090	Q15B	1.78
C40-410-4-W	2	41	40	200	170	164	270	WCMT080412	M040W090	Q15B	1.88
C40-420-4-W	2	42	40	204	174	168	274	WCMT080412	M040W090	Q15B	1.92
C40-430-4-W	2	43	40	208	178	172	278	WCMT080412	M040W090	Q15B	2.04
C40-440-4-W	2	44	40	212	182	176	282	WCMT080412	M040W090	Q15B	2.20
C40-450-4-W	2	45	40	216	186	180	286	WCMT080412	M040W090	Q15B	2.32
C40-460-4-W	2	46	40	220	190	184	290	WCMT080412	M040W090	Q15B	2.38
C40-470-4-W	2	47	40	224	194	188	294	WCMT080412	M040W090	Q15B	2.41
C40-480-4-W	2	48	40	228	198	192	298	WCMT080412	M040W090	Q15B	2.53
C40-490-4-W	2	49	40	232	202	196	302	WCMT080412	M040W090	Q15B	2.56
C40-500-4-W	2	50	40	236	204	200	306	WCMT080412	M040W090	Q15B	2.69
C40-510-4-W	2	51	40	240	204	204	310	WCMT080412	M040W090	Q15B	2.83
C40-520-4-W	2	52	40	244	204	208	314	WCMT080412	M040W090	Q15B	2.84
C40-530-4-W	2	53	40	248	204	212	318	WCMT080412	M040W090	Q15B	3.05
C40-540-4-W	2	54	40	252	204	216	322	WCMT080412	M040W090	Q15B	3.23
C40-550-4-W	2	55	40	256	204	220	326	WCMT080412	M040W090	Q15B	3.28
C40-560-4-W	2	56	40	260	204	224	330	WCMT080412	M040W090	Q15B	3.43
C40-570-4-W	2	57	40	264	204	228	334	WCMT080412	M040W090	Q15B	3.63
C40-580-4-W	2	58	40	268	204	232	338	WCMT080412	M040W090	Q15B	3.77
C40-590-4-W	2	59	40	272	204	236	342	WCMT080412	M040W090	Q15B	3.82
C40-600-4-W	2	60	40	276	204	240	346	WCMT080412	M040W090	Q15B	3.97
C40-610-4-W	2	61	40	280	204	244	350	WCMT080412	M040W090	Q15B	4.10

适用 Suitable: 德克或住友刀片 DEREK Or SUMITOMO Insert

# KSD-S

KSD-S Indexable Insert Drill (3xD)  
KSD-S 舍弃式快速钻头 (3倍长)



型号 Specification	刃数 Teeth	D	d	L1	L2	L3	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>KSD- C25-150-3-S</b>	2	15	25	72	48	45	128	SPMT050204	M020W040	Q08B	0.32
C25-155-3-S	2	15.5	25	72	48	45	128	SPMT060204	M022W050	Q08B	0.32
C25-160-3-S	2	16	25	75	51	48	131	SPMT060204	M022W050	Q08B	0.33
C25-165-3-S	2	16.5	25	75	51	48	131	SPMT060204	M022W050	Q08B	0.34
C25-170-3-S	2	17	25	78	54	51	134	SPMT060204	M022W050	Q08B	0.34
C25-175-3-S	2	17.5	25	78	54	51	134	SPMT060204	M022W050	Q08B	0.35
C25-180-3-S	2	18	25	81	57	54	137	SPMT060204	M022W050	Q08B	0.36
C25-185-3-S	2	18.5	25	81	57	54	137	SPMT060204	M022W050	Q08B	0.36
C25-190-3-S	2	19	25	84	60	57	140	SPMT060204	M022W050	Q08B	0.37
C25-195-3-S	2	19.5	25	84	60	57	140	SPMT060204	M022W050	Q08B	0.37
C32-200-3-S	2	20	32	91	64	60	151	SPMT060204	M022W050	Q08B	0.57
C32-205-3-S	2	20.5	32	91	64	60	151	SPMT060204	M022W050	Q08B	0.57
C32-210-3-S	2	21	32	94	67	63	154	SPMT060204	M022W050	Q08B	0.58
C32-215-3-S	2	21.5	32	94	67	63	154	SPMT060204	M022W050	Q08B	0.58
C32-220-3-S	2	22	32	97	70	66	157	SPMT07T308	M025W060	Q08B	0.60
C32-225-3-S	2	22.5	32	97	70	66	157	SPMT07T308	M025W060	Q08B	0.60
C32-230-3-S	2	23	32	100	73	69	160	SPMT07T308	M025W060	Q08B	0.61
C32-235-3-S	2	23.5	32	100	73	69	160	SPMT07T308	M025W060	Q08B	0.62
C32-240-3-S	2	24	32	103	76	72	163	SPMT07T308	M025W060	Q08B	0.64
C32-245-3-S	2	24.5	32	103	76	72	163	SPMT07T308	M025W060	Q08B	0.65
C32-250-3-S	2	25	32	106	79	75	166	SPMT07T308	M025W060	Q08B	0.66
C32-255-3-S	2	25.5	32	106	79	75	166	SPMT07T308	M025W060	Q08B	0.66
C32-260-3-S	2	26	32	109	82	78	169	SPMT07T308	M025W060	Q08B	0.70
C32-265-3-S	2	26.5	32	109	82	78	169	SPMT07T308	M025W060	Q08B	0.70
C32-270-3-S	2	27	32	112	85	81	172	SPMT07T308	M025W060	Q08B	0.71
C32-275-3-S	2	27.5	32	112	85	81	172	SPMT07T308	M025W060	Q08B	0.73
C32-280-3-S	2	28	32	115	88	84	175	SPMT090408	M035W090	Q15B	0.75
C32-285-3-S	2	28.5	32	115	88	84	175	SPMT090408	M035W090	Q15B	0.76
C32-290-3-S	2	29	32	118	91	87	178	SPMT090408	M035W090	Q15B	0.77
C32-300-3-S	2	30	32	121	94	90	181	SPMT090408	M035W090	Q15B	0.81
C32-310-3-S	2	31	32	127	97	93	187	SPMT090408	M035W090	Q15B	0.84
C32-320-3-S	2	32	32	130	100	96	190	SPMT090408	M035W090	Q15B	0.88
C32-330-3-S	2	33	32	133	103	99	193	SPMT090408	M035W090	Q15B	0.93

适用 Suitable: 德克或特固克刀片 DEREK Or TAEGUTEC Insert

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# KSD-S

KSD-S Indexable Insert Drill (3xD)  
KSD-S 舍弃式快速钻头 (3倍长)



型号 Specification	刃数 Teeth	D	d	L1	L2	L3	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
KSD- C32-340-3-S	2	34	32	136	106	102	196	SPMT110408	M040W090	Q15B	0.94
C32-350-3-S	2	35	32	139	109	105	199	SPMT110408	M040W090	Q15B	0.95
C32-360-3-S	2	36	32	142	112	108	202	SPMT110408	M040W090	Q15B	1.06
C32-370-3-S	2	37	32	145	115	111	205	SPMT110408	M040W090	Q15B	1.06
C32-380-3-S	2	38	32	148	118	114	208	SPMT110408	M040W090	Q15B	1.06
C32-390-3-S	2	39	32	151	121	117	211	SPMT110408	M040W090	Q15B	1.17
C40-400-3-S	2	40	40	156	126	120	226	SPMT110408	M040W090	Q15B	1.64
C40-410-3-S	2	41	40	159	129	123	229	SPMT110408	M040W090	Q15B	1.64
C40-420-3-S	2	42	40	162	132	126	232	SPMT140512	M050Y110-1	Q20B	1.70
C40-430-3-S	2	43	40	165	135	129	235	SPMT140512	M050Y110-1	Q20B	1.77
C40-440-3-S	2	44	40	168	138	132	238	SPMT140512	M050Y110-1	Q20B	1.81
C40-450-3-S	2	45	40	171	141	135	241	SPMT140512	M050Y110-1	Q20B	1.81
C40-460-3-S	2	46	40	174	144	138	244	SPMT140512	M050Y110-1	Q20B	1.96
C40-470-3-S	2	47	40	177	147	141	247	SPMT140512	M050Y110-1	Q20B	2.04
C40-480-3-S	2	48	40	180	150	144	250	SPMT140512	M050Y110-1	Q20B	2.11
C40-490-3-S	2	49	40	183	150	147	253	SPMT140512	M050Y110-1	Q20B	2.20
C40-500-3-S	2	50	40	186	153	150	256	SPMT140512	M050Y110-1	Q20B	2.28
C40-510-3-S	2	51	40	189	153	153	259	SPMT07T308	M025W060	Q08B	2.30
C40-520-3-S	2	52	40	192	156	156	262	SPMT07T308	M025W060	Q08B	2.40
C40-530-3-S	2	53	40	195	159	159	265	SPMT07T308	M025W060	Q08B	2.42
C40-540-3-S	2	54	40	198	162	162	268	SPMT07T308	M025W060	Q08B	2.46
C40-550-3-S	2	55	40	201	165	165	271	SPMT07T308	M025W060	Q08B	2.56
C40-560-3-S	2	56	40	204	168	168	274	SPMT07T308	M025W060	Q08B	2.79
C40-570-3-S	2	57	40	207	171	171	277	SPMT090408	M035W090	Q15B	2.79
C40-580-3-S	2	58	40	210	174	174	280	SPMT090408	M035W090	Q15B	2.95
C40-590-3-S	2	59	40	213	177	177	283	SPMT090408	M035W090	Q15B	3.18
C40-600-3-S	2	60	40	216	180	180	286	SPMT090408	M035W090	Q15B	3.22
C40-610-3-S	2	61	40	219	183	183	289	SPMT090408	M035W090	Q15B	3.38
C40-620-3-S	2	62	40	222	186	186	292	SPMT090408	M035W090	Q15B	3.47
C40-630-3-S	2	63	40	225	189	189	295	SPMT090408	M035W090	Q15B	3.56
C40-640-3-S	2	64	40	228	192	192	298	SPMT090408	M035W090	Q15B	3.72
C40-650-3-S	2	65	40	231	195	195	301	SPMT090408	M035W090	Q15B	3.94
C40-660-3-S	2	66	40	234	198	198	304	SPMT090408	M035W090	Q15B	4.01
C40-670-3-S	2	67	40	237	201	201	307	SPMT110408	M040W090	Q15B	4.23
C40-680-3-S	2	68	40	240	204	204	310	SPMT110408	M040W090	Q15B	4.28
C40-690-3-S	2	69	40	243	207	207	313	SPMT110408	M040W090	Q15B	4.49
C40-700-3-S	2	70	40	246	210	210	316	SPMT110408	M040W090	Q15B	4.60

适用 Suitable: 德克或特固克刀片 DEREK Or TAEGUTEC Insert

# KSD-S

KSD-S Indexable Insert Drill (4xD)  
KSD-S 舍弃式快速钻头 (4倍长)



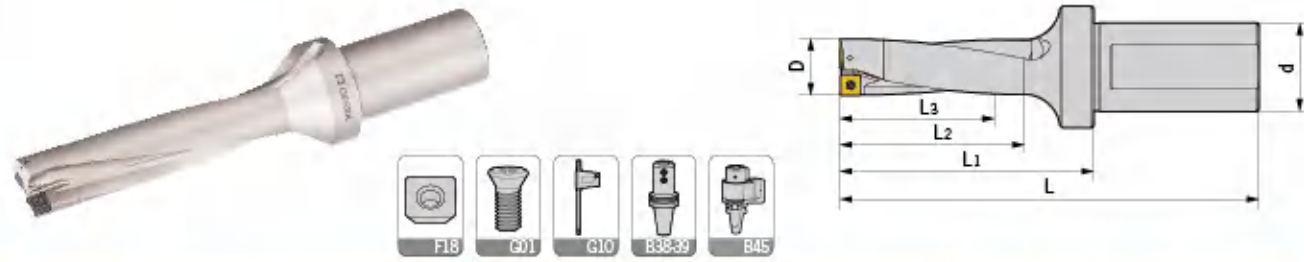
型号 Specification	刃数 Teeth	D	d	L1	L2	L3	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
KSD- C25-160-4-S	2	16	25	92	58	64	148	SPMT060204	M022W050	Q06B	0.35
C25-165-4-S	2	16.5	25	92	58	64	148	SPMT060204	M022W050	Q06B	0.35
C25-170-4-S	2	17	25	96	72	68	152	SPMT060204	M022W050	Q06B	0.35
C25-175-4-S	2	17.5	25	96	72	68	152	SPMT060204	M022W050	Q06B	0.36
C25-180-4-S	2	18	25	100	76	72	156	SPMT060204	M022W050	Q06B	0.37
C25-185-4-S	2	18.5	25	100	76	72	156	SPMT060204	M022W050	Q06B	0.38
C25-190-4-S	2	19	25	104	80	76	160	SPMT060204	M022W050	Q06B	0.39
C25-195-4-S	2	19.5	25	104	80	76	160	SPMT060204	M022W050	Q06B	0.39
C32-200-4-S	2	20	32	111	84	80	171	SPMT060204	M022W050	Q06B	0.58
C32-205-4-S	2	20.5	32	111	84	80	171	SPMT060204	M022W050	Q06B	0.59
C32-210-4-S	2	21	32	115	88	84	175	SPMT060204	M022W050	Q06B	0.60
C32-215-4-S	2	21.5	32	115	88	84	175	SPMT060204	M022W050	Q06B	0.61
C32-220-4-S	2	22	32	119	92	88	179	SPMT07T308	M025W060	Q08B	0.63
C32-225-4-S	2	22.5	32	119	92	88	179	SPMT07T308	M025W060	Q08B	0.63
C32-230-4-S	2	23	32	123	96	92	183	SPMT07T308	M025W060	Q08B	0.65
C32-235-4-S	2	23.5	32	123	96	92	183	SPMT07T308	M025W060	Q08B	0.66
C32-240-4-S	2	24	32	127	100	96	187	SPMT07T308	M025W060	Q08B	0.67
C32-245-4-S	2	24.5	32	127	100	96	187	SPMT07T308	M025W060	Q08B	0.68
C32-250-4-S	2	25	32	131	104	100	191	SPMT07T308	M030W070	Q08B	0.69
C32-255-4-S	2	25.5	32	131	104	100	191	SPMT07T308	M030W070	Q08B	0.71
C32-260-4-S	2	26	32	135	108	104	195	SPMT07T308	M030W070	Q08B	0.74
C32-265-4-S	2	26.5	32	135	108	104	195	SPMT07T308	M030W070	Q08B	0.75
C32-270-4-S	2	27	32	139	112	108	199	SPMT07T308	M030W070	Q08B	0.77
C32-280-4-S	2	28	32	143	116	112	203	SPMT090408	M035W090	Q15B	0.81
C32-290-4-S	2	29	32	147	120	116	207	SPMT090408	M035W090	Q15B	0.84
C32-300-4-S	2	30	32	151	124	120	211	SPMT090408	M035W090	Q15B	0.87
C32-310-4-S	2	31	32	158	128	124	218	SPMT090408	M035W090	Q15B	0.91
C32-320-4-S	2	32	32	162	132	128	222	SPMT090408	M035W090	Q15B	0.97
C32-330-4-S	2	33	32	166	136	132	226	SPMT090408	M035W090	Q15B	1.00

适用 Suitable: 德克或特固克刀片 DEREK Or TAEGUTEC Insert

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# KSD-S

KSD-S Indexable Insert Drill (4xD)  
KSD-S 舍弃式快速钻头 (4倍长)

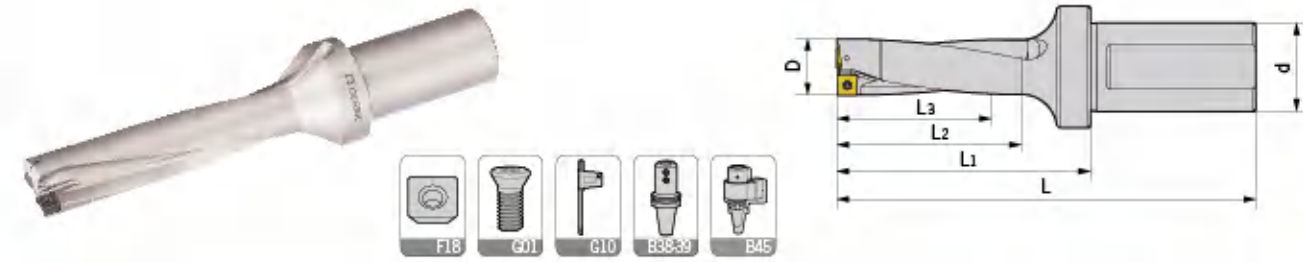


型号 Specification	刃数 Teeth	D	d	L1	L2	L3	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>KSD- C32-340-4-S</b>	2	34	32	170	140	136	230	SPMT110408	M040W090	Q15B	1.03
C32-350-4-S	2	35	32	174	144	140	234	SPMT110408	M040W090	Q15B	1.08
C32-360-4-S	2	36	32	178	148	144	238	SPMT110408	M040W090	Q15B	1.12
C32-370-4-S	2	37	32	182	152	148	242	SPMT110408	M040W090	Q15B	1.19
C32-380-4-S	2	38	32	186	156	152	246	SPMT110408	M040W090	Q15B	1.23
C32-390-4-S	2	39	32	190	160	156	250	SPMT110408	M040W090	Q15B	1.25
C40-400-4-S	2	40	40	196	166	160	266	SPMT110408	M040W090	Q15B	1.78
C40-410-4-S	2	41	40	200	170	164	270	SPMT110408	M040W090	Q15B	1.88
C40-420-4-S	2	42	40	204	174	168	274	SPMT140512	M050Y110-1	Q20B	1.92
C40-430-4-S	2	43	40	208	178	172	278	SPMT140512	M050Y110-1	Q20B	2.04
C40-440-4-S	2	44	40	212	182	176	282	SPMT140512	M050Y110-1	Q20B	2.20
C40-450-4-S	2	45	40	216	186	180	286	SPMT140512	M050Y110-1	Q20B	2.32
C40-460-4-S	2	46	40	220	190	184	290	SPMT140512	M050Y110-1	Q20B	2.38
C40-470-4-S	2	47	40	224	194	188	294	SPMT140512	M050Y110-1	Q20B	2.41
C40-480-4-S	2	48	40	228	198	192	298	SPMT140512	M050Y110-1	Q20B	2.53
C40-490-4-S	2	49	40	232	202	196	302	SPMT140512	M050Y110-1	Q20B	2.56
C40-500-4-S	2	50	40	236	204	200	306	SPMT140512	M050Y110-1	Q20B	2.69
C40-510-4-S	2	51	40	240	204	204	310	SPMT07T308	M025W060	Q08B	2.79
C40-520-4-S	2	52	40	244	208	208	314	SPMT07T308	M025W060	Q08B	2.84
C40-530-4-S	2	53	40	248	212	212	318	SPMT07T308	M025W060	Q08B	3.05
C40-540-4-S	2	54	40	252	216	216	322	SPMT07T308	M025W060	Q08B	3.23
C40-550-4-S	2	55	40	256	220	220	326	SPMT07T308	M025W060	Q08B	3.28
C40-560-4-S	2	56	40	260	224	224	330	SPMT07T308	M025W060	Q08B	3.43
C40-570-4-S	2	57	40	264	228	228	334	SPMT090408	M035W090	Q15B	3.63
C40-580-4-S	2	58	40	268	232	232	338	SPMT090408	M035W090	Q15B	3.77
C40-590-4-S	2	59	40	272	236	236	342	SPMT090408	M035W090	Q15B	3.82
C40-600-4-S	2	60	40	276	240	240	346	SPMT090408	M035W090	Q15B	3.97
C40-610-4-S	2	61	40	280	244	244	350	SPMT090408	M035W090	Q15B	4.10

适用 Suitable: 德克或特固克刀片 DEREK Or TAEGUTEC Insert

# KSD-S

KSD-S Indexable Insert Drill (5xD)  
KSD-S 舍弃式快速钻头 (5倍长)



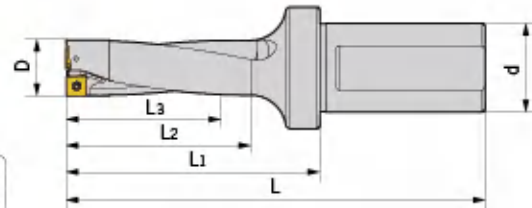
型号 Specification	刃数 Teeth	D	d	L1	L2	L3	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>KSD- C25-160-5-S</b>	2	16	25	112	68	83	168	SPMT060204	M022W050	Q06B	0.37
C25-165-5-S	2	16.5	25	112	68	83	168	SPMT060204	M022W050	Q06B	0.37
C25-170-5-S	2	17	25	117	73	88	172	SPMT060204	M022W050	Q06B	0.37
C25-175-5-S	2	17.5	25	117	73	88	172	SPMT060204	M022W050	Q06B	0.38
C25-180-5-S	2	18	25	122	81	93	177	SPMT060204	M022W050	Q06B	0.39
C25-185-5-S	2	18.5	25	122	81	93	177	SPMT060204	M022W050	Q06B	0.4
C25-190-5-S	2	19	25	127	86	81	182	SPMT060204	M022W050	Q06B	0.41
C25-195-5-S	2	19.5	25	127	86	81	182	SPMT060204	M022W050	Q06B	0.41
C32-200-5-S	2	20	32	132	91	86	187	SPMT060204	M022W050	Q06B	0.59
C32-205-5-S	2	20.5	32	132	91	86	187	SPMT060204	M022W050	Q06B	0.6
C32-210-5-S	2	21	32	137	96	91	192	SPMT060204	M022W050	Q06B	0.62
C32-215-5-S	2	21.5	32	137	96	91	192	SPMT060204	M022W050	Q06B	0.64
C32-220-5-S	2	22	32	142	101	96	197	SPMT07T308	M025W060	Q08B	0.66
C32-225-5-S	2	22.5	32	142	101	96	197	SPMT07T308	M025W060	Q08B	0.66
C32-230-5-S	2	23	32	147	106	101	202	SPMT07T308	M025W060	Q08B	0.69
C32-235-5-S	2	23.5	32	147	106	101	202	SPMT07T308	M025W060	Q08B	0.7
C32-240-5-S	2	24	32	152	111	106	207	SPMT07T308	M025W060	Q08B	0.7
C32-245-5-S	2	24.5	32	152	111	106	207	SPMT07T308	M025W060	Q08B	0.73
C32-250-5-S	2	25	32	157	116	111	212	SPMT07T308	M030W070	Q08B	0.73
C32-255-5-S	2	25.5	32	157	116	111	212	SPMT07T308	M030W070	Q08B	0.76
C32-260-5-S	2	26	32	162	120	116	217	SPMT07T308	M030W070	Q08B	0.78
C32-265-5-S	2	26.5	32	162	120	116	217	SPMT07T308	M030W070	Q08B	0.8
C32-270-5-S	2	27	32	167	125	121	222	SPMT07T308	M030W070	Q08B	0.83
C32-280-5-S	2	28	32	172	130	126	227	SPMT090408	M035W090	Q15B	0.87
C32-290-5-S	2	29	32	177	137	131	232	SPMT090408	M035W090	Q15B	0.91
C32-300-5-S	2	30	32	182	142	136	237	SPMT090408	M035W090	Q15B	0.93
C32-310-5-S	2	31	32	187	147	142	242	SPMT090408	M035W090	Q15B	0.98
C32-320-5-S	2	32	32	192	152	147	247	SPMT090408	M035W090	Q15B	1.06
C32-330-5-S	2	33	32	202	157	152	252	SPMT090408	M035W090	Q15B	1.07

适用 Suitable: 德克或特固克刀片 DEREK Or TAEGUTEC Insert

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# KSD-S

KSD-S Indexable Insert Drill (5xD)  
KSD-S 舍弃式快速钻头 (5倍长)

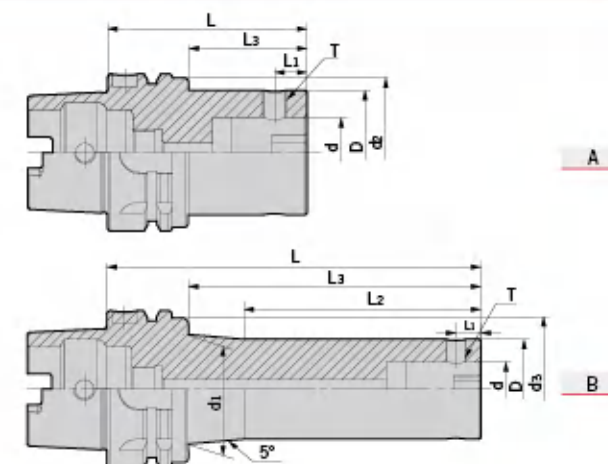


型号 Specification	刃数 Teeth	D	d	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>KSD- C32-340-5-S</b>	2	34	32	207	162	157	257	SPMT110408	M040W090	Q15B	1.12
<b>C32-350-5-S</b>	2	35	32	212	167	162	262	SPMT110408	M040W090	Q15B	1.21
<b>C32-360-5-S</b>	2	36	32	217	172	167	267	SPMT110408	M040W090	Q15B	1.27
<b>C32-370-5-S</b>	2	37	32	212	177	172	272	SPMT110408	M040W090	Q15B	1.32
<b>C32-380-5-S</b>	2	38	32	217	182	177	277	SPMT110408	M040W090	Q15B	1.4
<b>C32-390-5-S</b>	2	39	32	222	187	182	282	SPMT110408	M040W090	Q15B	1.44
<b>C40-400-5-S</b>	2	40	40	227	192	187	287	SPMT110408	M040W090	Q15B	1.92
<b>C40-410-5-S</b>	2	41	40	232	197	192	292	SPMT110408	M040W090	Q15B	2.12
<b>C40-420-5-S</b>	2	42	40	237	202	197	297	SPMT140512	M050Y110-1	Q20B	2.14
<b>C40-430-5-S</b>	2	43	40	242	207	202	302	SPMT140512	M050Y110-1	Q20B	2.31
<b>C40-440-5-S</b>	2	44	40	217	212	207	307	SPMT140512	M050Y110-1	Q20B	2.59
<b>C40-450-5-S</b>	2	45	40	222	217	212	312	SPMT140512	M050Y110-1	Q20B	2.83
<b>C40-460-5-S</b>	2	46	40	227	222	217	317	SPMT140512	M050Y110-1	Q20B	2.88
<b>C40-470-5-S</b>	2	47	40	232	227	222	422	SPMT140512	M050Y110-1	Q20B	2.95
<b>C40-480-5-S</b>	2	48	40	237	232	227	427	SPMT140512	M050Y110-1	Q20B	3.01
<b>C40-490-5-S</b>	2	49	40	242	237	232	432	SPMT140512	M050Y110-1	Q20B	3.08
<b>C40-500-5-S</b>	2	50	40	247	242	237	437	SPMT140512	M050Y110-1	Q20B	3.13
<b>C40-510-5-S</b>	2	51	40	252	247	242	452	SPMT07T308	M025W060	Q08B	3.23
<b>C40-520-5-S</b>	2	52	40	257	252	247	457	SPMT07T308	M025W060	Q08B	3.28
<b>C40-530-5-S</b>	2	53	40	262	257	252	462	SPMT07T308	M025W060	Q08B	3.48
<b>C40-540-5-S</b>	2	54	40	267	262	257	467	SPMT07T308	M025W060	Q08B	3.67
<b>C40-550-5-S</b>	2	55	40	272	267	262	472	SPMT07T308	M025W060	Q08B	3.72
<b>C40-560-5-S</b>	2	56	40	277	282	267	477	SPMT07T308	M025W060	Q08B	3.87
<b>C40-570-5-S</b>	2	57	40	282	287	272	482	SPMT090408	M035W090	Q15B	4.07
<b>C40-580-5-S</b>	2	58	40	287	292	277	487	SPMT090408	M035W090	Q15B	4.21
<b>C40-590-5-S</b>	2	59	40	292	297	282	492	SPMT090408	M035W090	Q15B	4.26
<b>C40-600-5-S</b>	2	60	40	297	302	287	497	SPMT090408	M035W090	Q15B	4.41
<b>C40-610-5-S</b>	2	61	40	302	307	292	502	SPMT090408	M035W090	Q15B	4.52

适用 Suitable: 德克或特固克刀片 DEREK Or TAEGUTEC Insert

# HSK-DCK

HSK-DCK Boring Adapter  
HSK-DCK 镗头刀柄



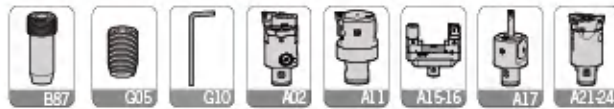
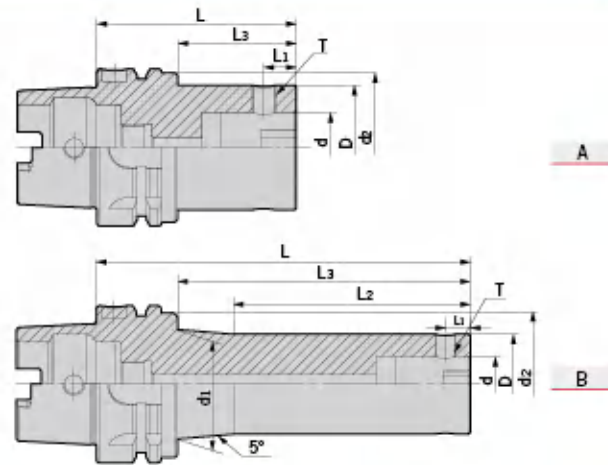
型号 Specification	图示 Figure	D	d	d <sub>1</sub>	d <sub>2</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L	侧固螺钉 Side-lock screw	L型扳手 Wrench	重量 Weight
<b>HSK63A- DCK1-70</b>	A	19	11	-	-	5.05	-	-	70	M050Z050-30P-D	L025	0.80
<b>DCK1-100L</b>	B	19	11	23.5	-	5.05	50	-	100	M050Z050-30P-D	L025	0.90
<b>DCK2-75</b>	A	24	14	-	-	6.45	-	-	75	M050Z060-30P-D	L025	0.90
<b>DCK2-100</b>	A	24	14	-	-	6.45	-	-	100	M050Z060-30P-D	L025	1.00
<b>DCK2-130L</b>	B	24	14	31	-	6.45	65	-	130	M050Z060-30P-D	L025	1.10
<b>DCK3-80</b>	A	31	18	-	-	7.9	-	-	80	M060Z090-30P-D	L03	1.00
<b>DCK3-100</b>	A	31	18	-	-	7.9	-	-	100	M060Z090-30P-D	L03	1.10
<b>DCK3-135L</b>	B	31	18	37	-	7.9	75	-	135	M060Z090-30P-D	L03	1.30
<b>DCK3-165L</b>	B	31	18	41	-	7.9	85	-	165	M060Z090-30P-D	L03	1.40
<b>DCK4-70</b>	A	39	22	-	-	10	-	-	70	M080Z120-30P-D	L04	1.00
<b>DCK4-100</b>	A	39	22	-	-	10	-	-	100	M080Z120-30P-D	L04	1.30
<b>DCK4-150L</b>	B	39	22	44	-	10	95	-	150	M080Z120-30P-D	L04	1.70
<b>DCK4-170L</b>	B	39	22	47.5	-	10	95	-	170	M080Z120-30P-D	L04	1.90
<b>DCK5-80</b>	A	50	28	-	-	13	-	-	80	M100Z160-30P-D	L05	1.40
<b>DCK5-100</b>	A	50	28	-	-	13	-	-	100	M100Z160-30P-D	L05	1.80
<b>DCK5-150</b>	A	50	28	-	-	13	-	-	150	M100Z160-30P-D	L05	2.20
<b>DCK5-180</b>	A	50	28	-	-	13	-	-	180	M100Z160-30P-D	L05	2.70
<b>DCK6-100</b>	A	64	36	-	-	16	-	-	100	M120Z200-30P-D	L06	2.20
<b>DCK6-150</b>	A	64	36	-	-	16	-	-	150	M120Z200-30P-D	L06	2.80
<b>DCK6-180</b>	A	64	36	-	-	16	-	-	180	M120Z200-30P-D	L06	3.30

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# HSK-DCK

HSK-DCK Boring Adapter  
HSK-DCK 镗头刀柄



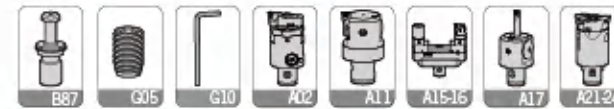
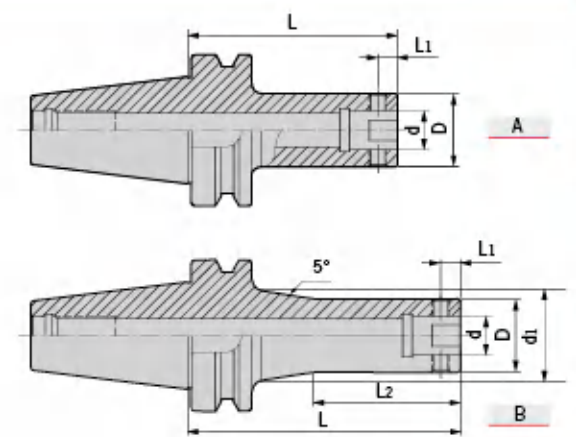
型号 Specification	图示 Figure	D	d	d <sub>1</sub>	d <sub>2</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L	侧固螺钉 Side-lock screw	L型扳手 Wrench	重量 Weight
HSK100A- DCK1-80	A	19	11	-	65	5.05	-	43	80	M050Z050-30P-D	L025	2.40
DCK1-115L	B	19	11	24	65	5.05	50	78	115	M050Z050-30P-D	L025	2.50
DCK1-145L	B	19	11	27.5	65	5.05	60	108	145	M050Z050-30P-D	L025	2.60
DCK2-80	A	24	14	-	65	6.45	-	43	80	M050Z060-30P-D	L025	2.45
DCK2-105	A	24	14	-	65	6.45	-	68	105	M050Z060-30P-D	L025	2.50
DCK2-135L	B	24	14	30	65	6.45	65	98	135	M050Z060-30P-D	L025	2.60
DCK2-165L	B	24	14	33.5	65	6.45	75	128	165	M050Z060-30P-D	L025	2.70
DCK3-85	A	31	18	-	65	7.9	-	46	85	M060Z090-30P-D	L03	2.60
DCK3-110	A	31	18	-	65	7.9	-	71	110	M060Z090-30P-D	L03	2.70
DCK3-140L	B	31	18	35.5	-	7.9	75	101	140	M060Z090-30P-D	L03	2.80
DCK3-170L	B	31	18	41	-	7.9	85	-	170	M060Z090-30P-D	L03	2.90
DCK4-100	A	39	22	-	-	10	-	-	100	M080Z120-30P-D	L04	2.80
DCK4-160L	B	39	22	47	-	10	85	-	160	M080Z120-30P-D	L04	3.50
DCK4-205L	B	39	22	50.5	-	10	110	-	205	M080Z120-30P-D	L04	4.00
DCK5-90	A	50	28	-	-	13	-	-	90	M100Z160-30P-D	L05	3.50
DCK5-165	A	50	28	-	-	13	-	-	165	M100Z160-30P-D	L05	4.20
DCK5-210L	B	50	28	61	-	13	120	-	210	M100Z160-30P-D	L05	4.80
DCK5-270L	B	50	28	69.5	-	13	130	-	270	M100Z160-30P-D	L05	5.60
DCK6-85	A	64	36	-	-	16	-	-	85	M120Z200-30P-D	L06	4.20
DCK6-155	A	64	36	-	-	16	-	-	155	M120Z200-30P-D	L06	5.00
DCK6-215	A	64	36	-	-	16	-	-	215	M120Z200-30P-D	L06	5.80
DCK6-250	A	64	36	-	-	16	-	-	250	M120Z200-30P-D	L06	6.20
DCK6-300L	B	64	36	80	-	16	180	-	300	M120Z200-30P-D	L06	7.10
DCK7-125	A	90	46	-	-	19.15	-	-	125	M200Z290-30P-D	L10	5.22
DCK7-200	A	90	46	-	-	19.15	-	-	200	M200Z290-30P-D	L10	6.88
DCK7-275	A	90	46	-	-	19.15	-	-	275	M200Z290-30P-D	L10	8.26

## 特点 / Feature

- 整支通孔，利于出水及抗振。 ■可共用并互容于大多数的“CK”系列。
- 侧固螺丝与键槽成90度，确保切削机的退刀相位。
- 侧固螺丝锁固时，请使用防卡油，以免镗孔时因扭力过大，导致螺丝卡死难以拆装。
- The whole bar with through holes, be useful for coolant and anti-shanking. ■Be compatible with all "CK" series.
- Side lock screw is at right angles to key slot, to make sure that the replacing holders in CNC machine are always in phase.
- Please apply lubricating oil to the screw to avoid stuck.

# BT-DCK

BT-DCK Boring Adapter  
BT-DCK 镗头刀柄

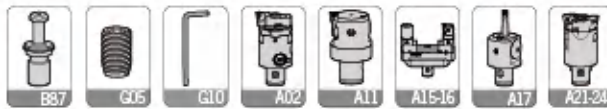
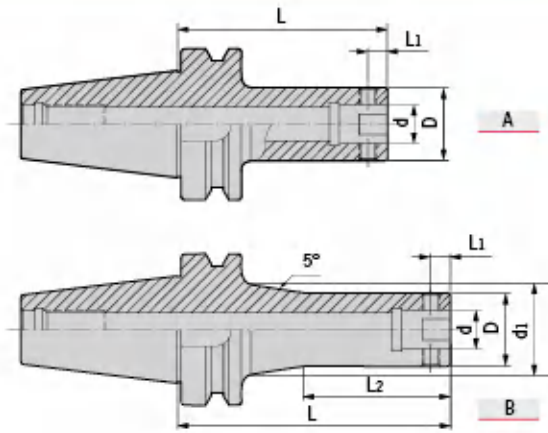


型号 Specification	图示 Figure	D	d <sub>1</sub>	d	L <sub>1</sub>	L <sub>2</sub>	L	侧固螺钉 Side-lock screw	L型扳手 Wrench	重量 Weight
BT30- DCK1-55	A	19	-	11	5.05	-	55	M050Z050-30P-D	L025	0.42
DCK1-70	A	19	-	11	5.05	-	70	M050Z050-30P-D	L025	0.45
DCK2-80	A	24	-	14	6.45	-	80	M050Z060-30P-D	L025	0.54
DCK3-80	A	31	-	18	7.9	-	80	M060Z090-30P-D	L03	0.68
DCK4-70	A	39	-	22	10	-	70	M080Z120-30P-D	L04	0.68
DCK5-70	A	50	-	28	13	-	70	M100Z160-30P-D	L05	0.88
DCK6-60	A	64	-	36	16	-	60	M120Z200-30P-D	L06	0.89
BT40- DCK1-70	A	19	-	11	5.05	-	70	M050Z050-30P-D	L025	1.03
DCK1-100L	B	19	20.7	11	5.05	60	100	M050Z050-30P-D	L025	1.10
DCK1-130L	B	19	25.5	11	5.05	60	130	M050Z050-30P-D	L025	1.18
DCK2-75	A	24	-	14	6.45	-	75	M050Z060-30P-D	L025	1.10
DCK2-100	A	24	-	14	6.45	-	100	M050Z060-30P-D	L025	1.18
DCK2-130L	B	24	30	14	6.45	65	130	M050Z060-30P-D	L025	1.33
DCK2-160L	B	24	33.6	14	6.45	75	160	M050Z060-30P-D	L025	1.49
DCK3-80	A	31	-	18	7.9	-	80	M060Z090-30P-D	L03	1.22
DCK3-100	A	31	-	18	7.9	-	100	M060Z090-30P-D	L03	1.32
DCK3-135L	B	31	34.5	18	7.9	75	135	M060Z090-30P-D	L03	1.54
DCK3-165L	B	31	39.7	18	7.9	85	165	M060Z090-30P-D	L03	1.76
DCK4-70	A	39	-	22	10	-	70	M080Z120-30P-D	L04	1.21
DCK4-100	A	39	-	22	10	-	100	M080Z120-30P-D	L04	1.46
DCK4-150L	B	39	43.4	22	10	85	150	M080Z120-30P-D	L04	1.90
DCK4-170L	B	39	46.9	22	10	95	170	M080Z120-30P-D	L04	2.16
DCK5-60	A	50	-	28	13	-	60	M100Z160-30P-D	L05	1.22
DCK5-80	A	50	-	28	13	-	80	M100Z160-30P-D	L05	1.52
DCK5-100	A	50	-	28	13	-	100	M100Z160-30P-D	L05	1.80
DCK5-150	A	50	-	28	13	-	150	M100Z160-30P-D	L05	2.52
DCK5-180	A	50	-	28	13	-	180	M100Z160-30P-D	L05	2.90
DCK6-55	A	64	-	36	16	-	55	M120Z200-30P-D	L06	1.22
DCK6-100	A	64	-	36	16	-	100	M120Z200-30P-D	L06	2.29
DCK6-150	A	64	-	36	16	-	150	M120Z200-30P-D	L06	3.50
DCK6-180	A	64	-	36	16	-	180	M120Z200-30P-D	L06	4.22

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# BT-DCK

BT-DCK Boring Adapter  
BT-DCK 镗头刀柄



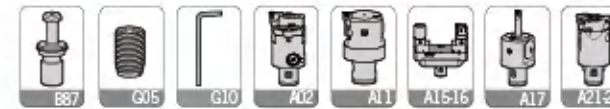
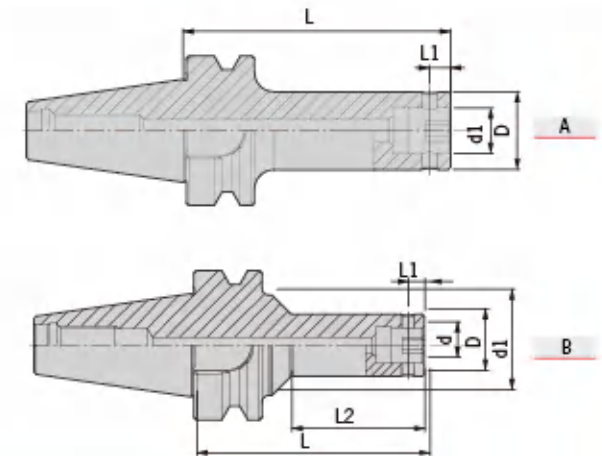
型号 Specification	图示 Figure	D	d1	d	L1	L2	L	侧固螺钉 Side-lock screw	L型扳手 Wrench	重量 Weight
BT50- DCK1-80	A	19	-	11	5.05	-	80	M050Z050-30P-D	L025	3.20
DCK1-115L	B	19	20.7	11	5.05	50	115	M050Z050-30P-D	L025	3.73
DCK1-145L	B	19	26	11	5.05	60	145	M050Z050-30P-D	L025	4.20
DCK2-80	A	24	-	14	6.45	-	80	M050Z060-30P-D	L025	3.68
DCK2-105	A	24	-	14	6.45	-	105	M050Z060-30P-D	L025	3.78
DCK2-135L	B	24	26.6	14	6.45	65	135	M050Z060-30P-D	L025	3.89
DCK2-165L	B	24	31.9	14	6.45	75	165	M050Z060-30P-D	L025	4.08
DCK3-85	A	31	-	18	7.9	-	85	M060Z090-30P-D	L03	3.80
DCK3-110	A	31	-	18	7.9	-	110	M060Z090-30P-D	L03	3.95
DCK3-140L	B	31	32.7	18	7.9	75	140	M060Z090-30P-D	L03	4.09
DCK3-170L	B	31	38	18	7.9	85	170	M060Z090-30P-D	L03	4.31
DCK4-100	A	39	-	22	10	-	100	M080Z120-30P-D	L04	3.98
DCK4-160L	B	39	42.5	22	10	85	160	M080Z120-30P-D	L04	4.50
DCK4-205L	B	39	50	22	10	95	205	M080Z120-30P-D	L04	5.13
DCK5-90	A	50	-	28	13	-	90	M100Z160-30P-D	L05	4.30
DCK5-165	A	50	-	28	13	-	165	M100Z160-30P-D	L05	5.20
DCK5-210L	B	50	57.8	28	13	120	210	M100Z160-30P-D	L05	5.92
DCK5-270L	B	50	68.4	28	13	120	270	M100Z160-30P-D	L05	7.23
DCK6-85	A	64	-	36	16	-	85	M120Z200-30P-D	L06	4.28
DCK6-155	A	64	-	36	16	-	155	M120Z200-30P-D	L06	5.97
DCK6-215	A	64	-	36	16	-	215	M120Z200-30P-D	L06	7.43
DCK6-250	A	64	-	36	16	-	250	M120Z200-30P-D	L06	8.27
DCK6-300L	B	64	80.5	36	16	160	300	M120Z200-30P-D	L06	10.21
DCK6-350L	B	64	90	36	16	160	350	M120Z200-30P-D	L06	12.90
DCK7-85	A	90	-	46	19.15	-	85	M200Z290-30P-D	L10	4.96
DCK7-150	A	90	-	46	19.15	-	150	M200Z290-30P-D	L10	6.52
DCK7-210	A	90	-	46	19.15	-	210	M200Z290-30P-D	L10	8.55
DCK7-250	A	90	-	46	19.15	-	250	M200Z290-30P-D	L10	10.35
DCK7-300	A	90	-	46	19.15	-	300	M200Z290-30P-D	L10	12.55
DCK7-350	A	90	-	46	19.15	-	350	M200Z290-30P-D	L10	13.25

## 特点 / Feature

- 整支通孔，利于出水及抗振。■可共用并互容于大多数的“CK”系列。
- 侧固螺丝与键槽成90度，确保切削机的退刀相位。
- 侧固螺丝锁固时，请使用防卡油，以免镗孔时因扭力过大，导致螺丝卡死难以拆装。
- The whole bar with through holes, be useful for coolant and anti-shanking. ■Be compatible for all "CK" series.
- Side lock screw is at right angles to key slot, to make sure that the replacing holders in CNC machine are always in phase.
- Please apply lubricating oil to the screw to avoid stuck.

# BBT-DCK

BBT-DCK Boring Adapter  
BBT-DCK 镗头刀柄

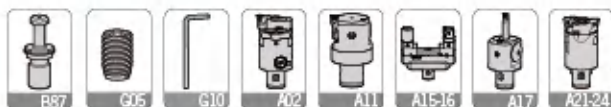
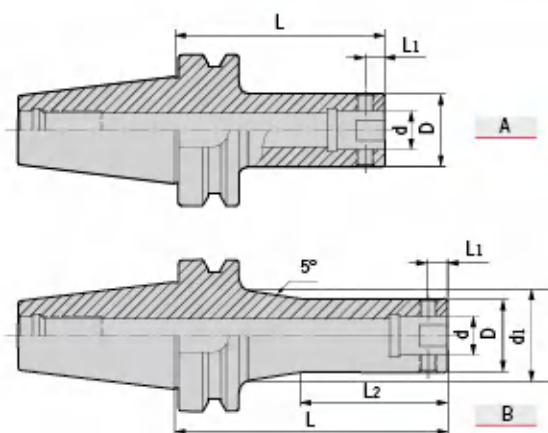


型号 Specification	图示 Figure	D	d1	d	L1	L2	L	侧固螺钉 Side-lock screw	L型扳手 Wrench	重量 Weight
BBT30- DCK1-72	B	19	31	11	5	41	72	M040Z050-30P-D	L02	0.51
DCK2-37.5	A	24	-	14	6.45	-	37.5	M050Z060-30P-D	L025	0.44
DCK2-82.5	A	24	-	14	6.45	-	82.5	M050Z060-30P-D	L025	0.57
DCK3-39	A	31	-	18	7.9	-	39	M060Z090-30P-D	L03	0.45
DCK3-79	A	31	-	18	7.9	-	79	M060Z090-30P-D	L03	0.67
DCK4-38	A	39	-	22	10	-	38	M080Z120-30P-D	L04	0.46
DCK4-73	A	39	-	22	10	-	73	M080Z120-30P-D	L04	0.78
DCK5-63	A	50	-	28	13	-	63	M100Z160-30P-D	L05	0.8
DCK6-64	A	64	-	36	16	-	64	M120Z200-30P-D	L06	0.93
BBT40- DCK1-72	A	19	-	11	5	-	72	M040Z050-30P-D	L02	1.1
DCK2-42.5	A	24	-	14	6.45	-	42.5	M050Z060-30P-D	L025	1
DCK2-82.5	A	24	-	14	6.45	-	82.5	M050Z060-30P-D	L025	1.2
DCK3-44	A	31	-	18	7.9	-	44	M060Z090-30P-D	L03	1.1
DCK3-94	A	31	-	18	7.9	-	94	M060Z090-30P-D	L03	1.3
DCK3-124	A	31	-	18	7.9	-	124	M060Z090-30P-D	L03	1.5
DCK4-43	A	39	-	22	10	-	43	M080Z120-30P-D	L04	1.2
DCK4-88	A	39	-	22	10	-	88	M080Z120-30P-D	L04	1.5
DCK4-118	A	39	-	22	10	-	118	M080Z120-30P-D	L04	1.8
DCK4-148	A	39	-	22	10	-	148	M080Z120-30P-D	L04	2.1
DCK5-48	A	50	-	28	13	-	48	M100Z160-30P-D	L05	1.2
DCK5-78	A	50	-	28	13	-	78	M100Z160-30P-D	L05	1.6
DCK5-108	A	50	-	28	13	-	108	M100Z160-30P-D	L05	2.1
DCK5-138	A	50	-	28	13	-	138	M100Z160-30P-D	L05	2.5
DCK6-64	A	64	-	36	16	-	64	M120Z200-30P-D	L06	1.6
DCK6-94	A	64	-	36	16	-	94	M120Z200-30P-D	L06	2.3
DCK6-124	A	64	-	36	16	-	124	M120Z200-30P-D	L06	3.1

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# BBT-DCK

BBT-DCK Boring Adapter  
BBT-DCK 镗头刀柄



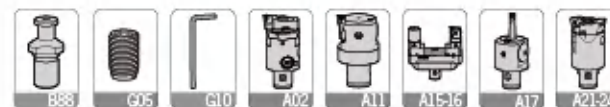
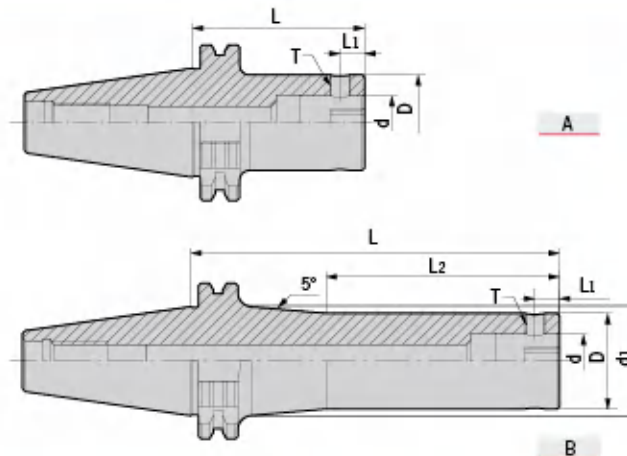
型号 Specification	图示 Figure	D	d1	d	L1	L2	L	侧固螺钉 Side-lock screw	L型扳手 Wrench	重量 Weight
BBT50-DCK1-102	A	19	-	11	5	-	102	M040Z050-30P-D	L02	4
DCK2-52.5	A	24	-	14	6.45	-	52.5	M050Z060-30P-D	L025	3.8
DCK2-112.5	A	24	-	14	6.45	-	112.5	M050Z060-30P-D	L025	4
DCK3-54	A	31	-	18	7.9	-	54	M060Z090-30P-D	L03	3.9
DCK3-124	A	31	-	18	7.9	-	124	M060Z090-30P-D	L03	4.3
DCK4-58	A	39	-	22	10	-	58	M080Z120-30P-D	L04	4.3
DCK4-118	A	39	-	22	10	-	118	M080Z120-30P-D	L04	4.5
DCK4-178	A	39	-	22	10	-	178	M080Z120-30P-D	L04	4.9
DCK4-208	A	39	-	22	10	-	208	M080Z120-30P-D	L04	5.1
DCK5-63	A	50	-	28	13	-	63	M100Z160-30P-D	L05	4
DCK5-108	A	50	-	28	13	-	108	M100Z160-30P-D	L05	4.7
DCK5-183	A	50	-	28	13	-	183	M100Z160-30P-D	L05	5.9
DCK5-228	A	50	-	28	13	-	228	M100Z160-30P-D	L05	6.5
DCK5-263	A	50	-	28	13	-	263	M100Z160-30P-D	L05	7
DCK6-94	A	64	-	36	16	-	94	M120Z200-30P-D	L06	4.8
DCK6-169	A	64	-	36	16	-	169	M120Z200-30P-D	L06	6.7
DCK6-229	A	64	-	36	16	-	229	M120Z200-30P-D	L06	8.2
DCK6-289	A	64	-	36	16	-	289	M120Z200-30P-D	L06	9.7
DCK7-93	A	90	-	46	19.2	-	93	M200Z290-30P-D	L10	5.6
DCK7-183	A	90	-	46	19.2	-	183	M200Z290-30P-D	L10	9.9
DCK7-243	A	90	-	46	19.2	-	243	M200Z290-30P-D	L10	12.7

## 特点 / Feature

- 整支通孔，利于出水及抗振。■可共用并互容于大多数的“CK”系列。
- 侧固螺丝与键槽成90度，确保切削机的退刀相位。
- 侧固螺丝锁固时，请使用防卡油，以免镗孔时因扭力过大，导致螺丝卡死难以拆装。
- The whole bar with through holes, be useful for coolant and anti-shanking. ■Be compatible with all "CK" series.
- Side lock screw is at right angles to key slot, to make sure that the replacing holders in CNC machine are always in phase.
- Please apply lubricating oil to the screw to avoid stuck.

# SK-DCK

SK-DCK Boring Adapter  
SK-DCK 镗头刀柄

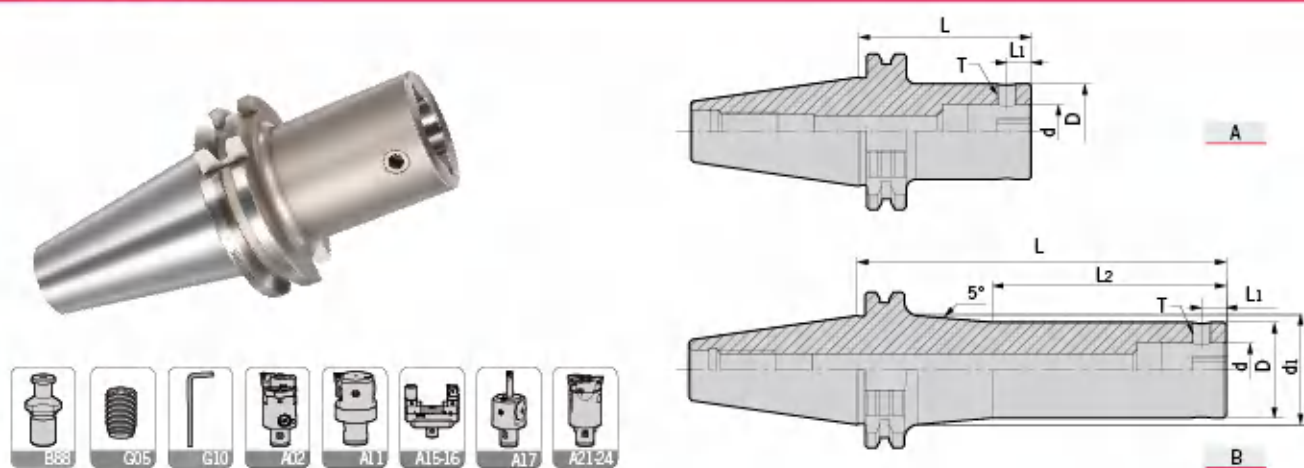


型号 Specification	图示 Figure	D	d1	d	L1	L2	L	侧固螺钉 Side-lock screw	L型扳手 Wrench	重量 Weight
SK30-DCK1-55	A	19	-	11	5.05	-	55	M050Z050-30P-D	L025	0.42
DCK1-70	A	19	-	11	5.05	-	70	M050Z050-30P-D	L025	0.45
DCK2-80	A	24	-	14	6.45	-	80	M050Z060-30P-D	L025	0.54
DCK3-80	A	31	-	18	7.9	-	80	M060Z090-30P-D	L03	0.68
DCK4-70	A	39	-	22	10	-	70	M080Z120-30P-D	L04	0.68
DCK5-70	A	50	-	28	13	-	70	M100Z160-30P-D	L05	0.88
DCK6-80	A	64	-	36	16	-	80	M120Z200-30P-D	L06	0.89
SK40-DCK1-70	A	19	-	11	5.05	-	70	M050Z050-30P-D	L025	1.03
DCK1-100L	B	19	20.7	11	5.05	60	100	M050Z050-30P-D	L025	1.10
DCK2-75	A	24	-	14	6.45	-	75	M050Z060-30P-D	L025	1.10
DCK2-100	A	24	-	14	6.45	-	100	M050Z060-30P-D	L025	1.18
DCK2-130L	B	24	28.3	14	6.45	75	130	M050Z060-30P-D	L025	1.33
DCK2-160L	B	24	33.6	14	6.45	75	160	M050Z060-30P-D	L025	1.49
DCK3-80	A	31	-	18	7.9	-	80	M060Z090-30P-D	L03	1.22
DCK3-100	A	31	-	18	7.9	-	100	M060Z090-30P-D	L03	1.32
DCK3-135L	B	31	34.5	18	7.9	85	135	M060Z090-30P-D	L03	1.54
DCK3-165L	B	31	39.7	18	7.9	85	165	M060Z090-30P-D	L03	1.76
DCK4-70	A	39	-	22	10	-	70	M080Z120-30P-D	L04	1.21
DCK4-100	A	39	-	22	10	-	100	M080Z120-30P-D	L04	1.46
DCK4-150L	B	39	43.4	22	10	95	150	M080Z120-30P-D	L04	1.90
DCK4-170L	B	39	46.9	22	10	95	170	M080Z120-30P-D	L04	2.16
DCK5-80	A	50	-	28	13	-	80	M100Z160-30P-D	L05	1.52
DCK5-100	A	50	-	28	13	-	100	M100Z160-30P-D	L05	1.80
DCK5-150	A	50	-	28	13	-	150	M100Z160-30P-D	L05	2.52
DCK5-180	A	50	-	28	13	-	180	M100Z160-30P-D	L05	2.90
DCK6-90	A	64	-	36	16	-	90	M120Z200-30P-D	L06	1.22
DCK6-150	A	64	-	36	16	-	150	M120Z200-30P-D	L06	3.50
DCK6-180	A	64	-	36	16	-	180	M120Z200-30P-D	L06	4.22

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See next page

# SK-DCK

SK-DCK Boring Adapter  
SK-DCK 镗头刀柄



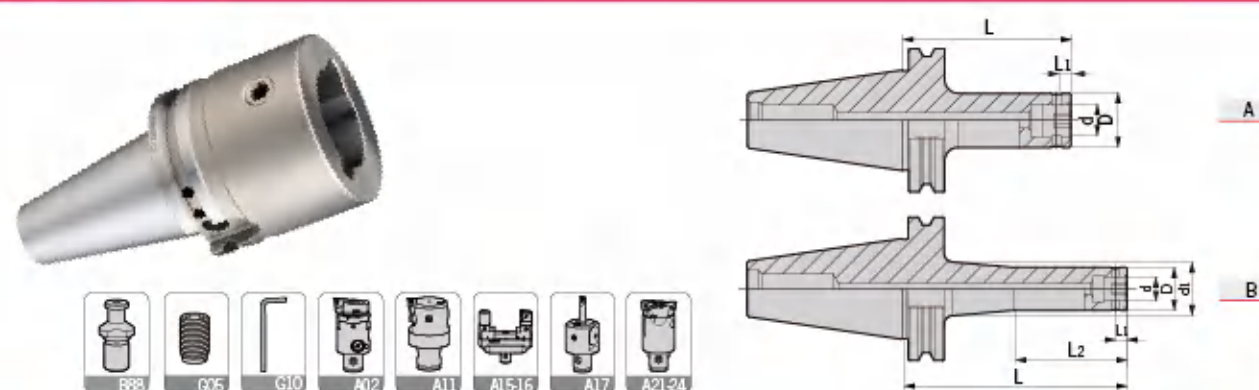
型号 Specification	图示 Figure	D	d <sub>1</sub>	d	L <sub>1</sub>	L <sub>2</sub>	L	侧固螺钉 Side-lock screw	L型扳手 Wrench	重量 Weight
SK50- DCK1-80	B	19	20.7	11	5.05	-	80	M050Z050-30P-D	L025	3.60
DCK1-115L	B	19	20.7	11	5.05	60	115	M050Z050-30P-D	L025	3.73
DCK1-145L	B	19	26	11	5.05	60	145	M050Z050-30P-D	L025	4.20
DCK2-80	A	24	-	14	6.45	-	80	M050Z060-30P-D	L025	3.60
DCK2-105	A	24	-	14	6.45	-	105	M050Z060-30P-D	L025	3.78
DCK2-135L	B	24	26.6	14	6.45	75	135	M050Z060-30P-D	L025	3.89
DCK2-165L	B	24	31.9	14	6.45	75	165	M050Z060-30P-D	L025	4.08
DCK3-85	A	31	-	18	7.9	-	85	M060Z090-30P-D	L03	3.80
DCK3-110	A	31	-	18	7.9	-	110	M060Z090-30P-D	L03	3.95
DCK3-140L	B	31	32.7	18	7.9	85	140	M060Z090-30P-D	L03	4.09
DCK3-170L	B	31	38	18	7.9	85	170	M060Z090-30P-D	L03	4.31
DCK4-100	A	39	-	22	10	-	100	M080Z120-30P-D	L04	3.98
DCK4-160L	B	39	42.5	22	10	95	160	M080Z120-30P-D	L04	4.50
DCK4-205L	B	39	50	22	10	95	205	M080Z120-30P-D	L04	5.13
DCK5-90	A	50	-	28	13	-	90	M100Z160-30P-D	L05	4.30
DCK5-165	A	50	-	28	13	-	165	M100Z160-30P-D	L05	5.20
DCK5-210L	B	50	57.8	28	13	120	210	M100Z160-30P-D	L05	5.92
DCK5-270L	B	50	68.4	28	13	120	270	M100Z160-30P-D	L05	7.23
DCK6-85	A	64	-	36	16	-	85	M120Z200-30P-D	L06	4.28
DCK6-155	A	64	-	36	16	-	155	M120Z200-30P-D	L06	5.97
DCK6-215	A	64	-	36	16	-	215	M120Z200-30P-D	L06	7.43
DCK6-250	A	64	-	36	16	-	250	M120Z200-30P-D	L06	8.27
DCK6-300L	B	64	80.5	36	16	160	300	M120Z200-30P-D	L06	10.21
DCK7-85	A	90	-	46	19.15	-	85	M200Z290-30P-D	L10	4.96
DCK7-150	A	90	-	46	19.15	-	150	M200Z290-30P-D	L10	6.52
DCK7-210	A	90	-	46	19.15	-	210	M200Z290-30P-D	L10	8.55
DCK7-250	A	90	-	46	19.15	-	250	M200Z290-30P-D	L10	10.35
DCK7-300	A	90	-	46	19.15	-	300	M200Z290-30P-D	L10	12.55
DCK7-350	A	90	-	46	19.15	-	350	M200Z290-30P-D	L10	13.25

## 特点 / Feature

- 整支通孔，利于出水及抗振。■可共用并互容于大多数的“CK”系列。
- 侧固螺丝与键槽成90度，确保切削机的退刀相位。
- 侧固螺丝锁固时，请使用防卡油，以免镗孔时因扭力过大，导致螺丝卡死难以拆装。
- The whole bar with through holes, be useful for coolant and anti-shanking. ■Be compatible with all "CK" series.
- Side lock screw is at right angles to key slot, to make sure that the replacing holders in CNC machine are always in phase.
- Please apply lubricating oil to the screw to avoid stuck.

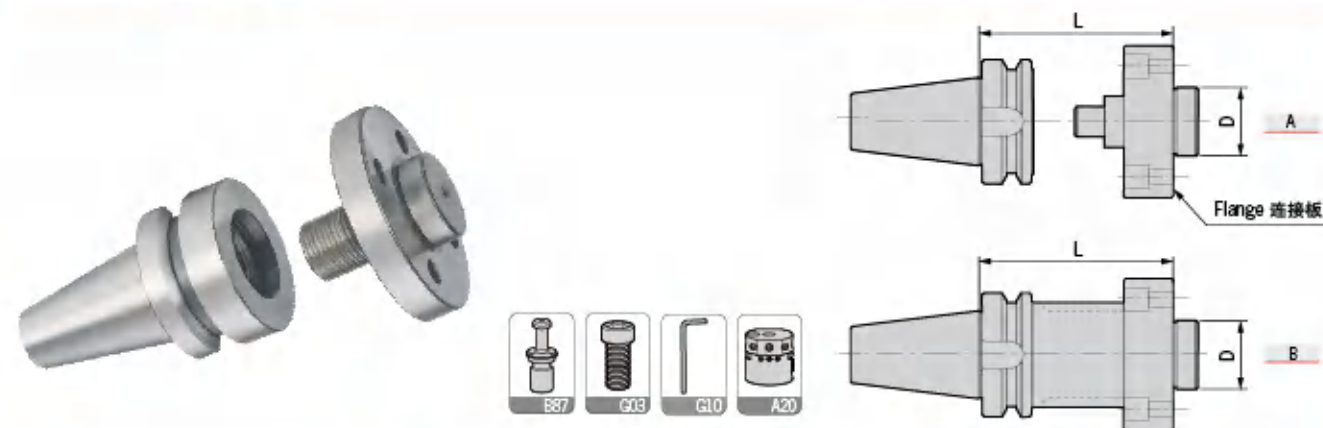
# CAT-DCK/NBH2084

CAT-DCK Boring Adapter  
CAT-DCK 镗头刀柄



型号 Specification	图示 Figure	D	d	d <sub>1</sub>	L <sub>1</sub>	L <sub>2</sub>	L	侧固螺钉 Side-lock screw	L型扳手 Wrench	重量 Weight
CAT40- DCK1-100L	B	19	23.8	11	5	50	100	M040Z050-30P-D	L020	1.01
DCK2-75	A	24	-	14	6.45	-	75	M050Z060-30P-D	L025	0.99
DCK3-100	A	31	-	18	7.9	-	100	M060Z090-30P-D	L03	1.24
DCK4-60	A	39	-	22	10	-	60	M080Z120-30P-D	L04	1.08
DCK4-100	A	39	-	22	10	-	100	M080Z120-30P-D	L04	1.46
DCK5-60	A	50	-	28	13	-	60	M100Z160-30P-D	L05	1.22
DCK5-100	A	50	-	28	13	-	100	M100Z160-30P-D	L05	1.79
DCK6-65	A	64	-	36	16	-	65	M120Z200-30P-D	L06	1.52
DCK6-100	A	64	-	36	16	-	100	M120Z200-30P-D	L06	2.37
CAT50- DCK1-115L	B	19	25.4	11	5	50	115	M040Z050-30P-D	L020	2.90
DCK2-105	A	24	-	14	6.45	-	105	M050Z060-30P-D	L025	2.92
DCK3-110	A	31	-	18	7.9	-	110	M060Z090-30P-D	L03	3.13
DCK4-100	A	39	-	22	10	-	100	M080Z120-30P-D	L04	3.25
DCK5-165	A	50	-	28	13	-	165	M100Z160-30P-D	L05	4.56
DCK6-155	A	64	-	36	16	-	155	M120Z200-30P-D	L06	5.56
DCK7-100	A	90	-	46	19.2	-	100	M200Z290-30P-D	L10	5.58

NBH2084 Boring Adapter  
NBH2084 镗头刀柄

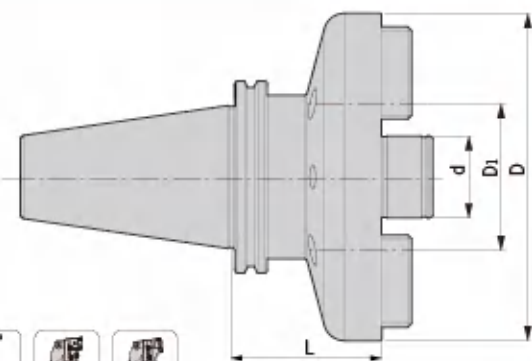


型号 Specification	D	L	锁紧螺钉 Locking screw	L型扳手 Wrench	重量 Weight
BT40-NBH-A50	35	50	E080U200	L06	1.78
	35	50	E080U200	L06	4.16
NBH-FP60	35	Flange	-	-	0.60
	35	100	E080U300	L06	2.23
BT50-NBH-B100	35	100	E080U300	L06	4.84

型号 Specification	D	L	锁紧螺钉 Locking screw	L型扳手 Wrench	重量 Weight
BT50- NBH-B165	35	165	E080U300	L06	6.23
NBH-B200	35	200	E080U300	L06	7.01
NBH-B250	35	250	E080U300	L06	7.96
NBH-B300	35	300	E080U300	L06	9.07

# FM

## FM Boring Adapter FM 镗头刀柄



型号 Specification	D	d <sub>1</sub>	d	L	重量 Weight
<b>HSK100A- FMS40-60</b>	87	66.7	40	60	3.55
FMS40-150	87	66.7	40	150	7.68
FMS40-250	87	66.7	40	250	12.26
FMX40-80	160	101.6	40	80	7.61
FMX40-150	160	101.6	40	150	10.53
FMX40-250	160	101.6	40	250	14.69

型号 Specification	D	d <sub>1</sub>	d	L	重量 Weight
<b>SK50- FMS40-50</b>	89	66.7	40	50	4.08
FMS40-150	89	66.7	40	150	8.88
FMS40-250	89	66.7	40	250	13.68
FMX40-75	160	101.6	40	75	8.46
FMX40-150	160	101.6	40	150	11.37
FMX40-250	160	101.6	40	250	15.30

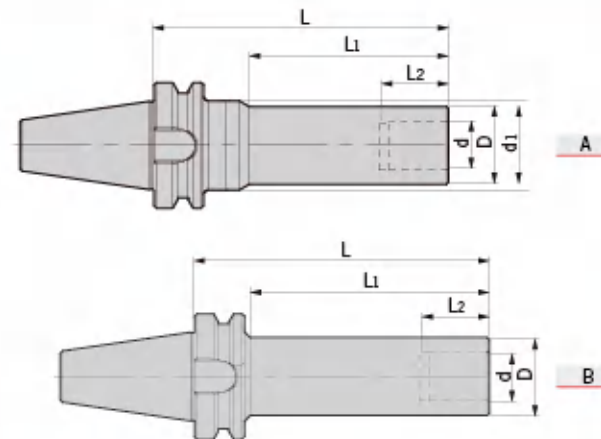
型号 Specification	D	d <sub>1</sub>	d	L	重量 Weight
<b>CAT50- FMS40-50</b>	89	66.7	40	50	4.22
FMS40-150	89	66.7	40	150	9.01
FMX40-75	160	101.6	40	75	8.29
FMX40-150	160	101.6	40	150	11.41

型号 Specification	D	d <sub>1</sub>	d	L	重量 Weight
<b>BT50- FMS40-55</b>	100	66.7	40	55	4.28
FMS40-150	100	66.7	40	150	8.63
FMS40-200	100	66.7	40	200	10.92
FMS40-250	100	66.7	40	250	13.21
FMS40-300	100	66.7	40	300	15.50
FMX40-85	160	101.6	40	85	8.90
FMX40-150	160	101.6	40	150	11.60
FMX40-200	160	101.6	40	200	13.69
FMX40-250	160	101.6	40	250	15.77
FMX40-300	160	101.6	40	300	17.85

型号 Specification	D	d <sub>1</sub>	d	L	重量 Weight
<b>BBT50- FMS40-55</b>	100	66.7	40	55	4.35
FMS40-150	100	66.7	40	150	8.70
FMX40-85	160	101.6	40	85	8.97
FMX40-150	160	101.6	40	150	11.67

# BT-SLBK

## BT-SLBK Anti-Vibration Boring Holder BT-SLBK 减振阻尼镗头刀柄



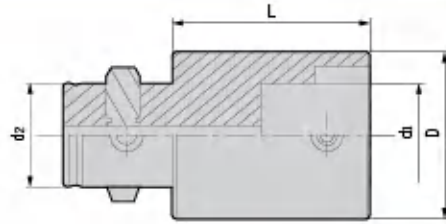
型号 Specification	图示 Figure	D	d <sub>1</sub>	d	L <sub>1</sub>	L	侧固螺钉 Side-lock screw	L型扳手 Wrench	重量 Weight
<b>BT40- SLBK2-150</b>	A	24	39	14	110	150	M050R050-30P	L025	1.45
SLBK2-175	A	24	39	14	135	175	M050R050-30P	L025	1.51
SLBK2-200	A	24	39	14	160	200	M050R050-30P	L025	1.56
SLBK3-200	A	31	50	18	160	200	M060R075-30P	L03	2.21
SLBK3-230	A	31	50	18	190	230	M060R075-30P	L03	2.34
SLBK3-260	A	31	50	18	220	260	M060R075-30P	L03	2.47
SLBK4-235	A	39	50	22	200	235	M080R075-30P	L04	3.12
SLBK4-275	A	39	50	22	240	275	M080R075-30P	L04	3.42
SLBK4-315	A	39	50	22	280	315	M080R075-30P	L04	3.71
SLBK5-310	B	50	-	28	280	310	M100R100-30P	L05	6.30
SLBK6-295	B	64	-	36	270	295	M120R100-30P	L06	8.71
<b>BT50- SLBK2-160</b>	A	24	39	14	110	160	M050R050-30P	L025	4.09
SLBK2-185	A	24	39	14	135	185	M050R050-30P	L025	4.15
SLBK2-210	A	24	39	14	160	210	M050R050-30P	L025	4.21
SLBK3-220	A	31	50	18	160	220	M060R075-30P	L03	4.97
SLBK3-250	A	31	50	18	190	250	M060R075-30P	L03	5.15
SLBK3-280	A	31	50	18	220	280	M060R075-30P	L03	5.33
SLBK4-260	A	39	64	22	205	260	M080R075-30P	L04	6.00
SLBK4-300	A	39	64	22	245	300	M080R075-30P	L04	6.24
SLBK4-340	A	39	64	22	285	340	M080R075-30P	L04	6.48
SLBK5-310	A	50	64	28	265	310	M100R100-30P	L05	8.74
SLBK5-355	A	50	64	28	310	355	M100R100-30P	L05	9.39
SLBK5-400	A	50	64	28	355	400	M100R100-30P	L05	10.04
SLBK6-375	B	64	-	36	330	375	M120R100-30P	L06	14.28
SLBK6-440	B	64	-	36	395	440	M120R100-30P	L06	15.11
SLBK6-505	B	64	-	36	460	505	M120R100-30P	L06	15.96

### 特点 / Feature

- 整支通孔，利于出水及抗振。■可共用并互容于大多数的“CK”系列。
- 本产品应用于加工深度为柄径D的6-8倍长。
- 侧固螺丝锁固时，请使用防卡油，以免镗孔时因扭力过大，导致螺丝卡死难以拆装。
- The whole bar with through holes, be useful for coolant and anti-shanking. ■Be compatible for all "CK" series.
- 6-8 times machining depth to the bar diameter.
- Please apply lubricating oil to the screw to avoid stuck.

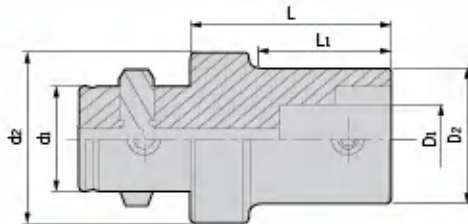
# DCK

DCK Extension  
DCK 等径延长接柄



型号 Specification	D	d1	d2	L	侧固螺钉 Side-lock screw	L型扳手 Wrench	重量 Weight
DCK 1-1-30	19	11	11	30	M050Z050-30P-D	L025	0.06
2-2-30	24	14	14	30	M050Z060-30P-D	L025	0.09
3-3-30	31	18	18	30	M060Z090-30P-D	L03	0.14
4-4-45	39	22	22	45	M080Z120-30P-D	L04	0.29
4-4-60	39	22	22	60	M080Z120-30P-D	L04	0.47
5-5-60	50	28	28	60	M100Z160-30P-D	L05	0.75
5-5-90	50	28	28	90	M100Z160-30P-D	L05	1.18
6-6-60	64	36	36	60	M120Z200-30P-D	L06	1.46
6-6-100	64	36	36	100	M120Z200-30P-D	L06	2.35
7-7-105	90	46	46	105	M200Z300-30P-D	L10	5.28

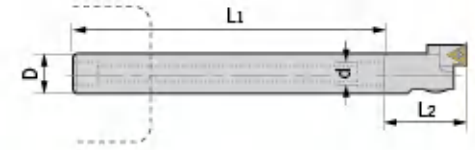
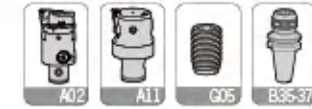
DCK Reducer  
DCK 异径转换接柄 (大接小)



型号 Specification	D1	D2	d1	d2	L1	L	侧固螺钉 Side-lock screw	L型扳手 Wrench	重量 Weight
DCK 2-1-36	11	19	14	24	30	36	M050Z050-30P-D	L025	0.08
3-1-41	11	19	18	31	30	41	M050Z050-30P-D	L025	0.12
3-2-37	14	24	18	31	25	37	M050Z060-30P-D	L025	0.13
4-1-58	11	19	22	39	40	58	M050Z050-30P-D	L025	0.24
4-2-50	14	24	22	39	36	50	M050Z060-30P-D	L025	0.22
4-3-50	18	31	22	39	37	50	M060Z090-30P-D	L03	0.30
5-1-60	11	19	28	50	40	60	M050Z050-30P-D	L025	0.38
5-2-54	14	24	28	50	35	54	M050Z060-30P-D	L025	0.38
5-2-74	14	24	28	50	55	74	M050Z060-30P-D	L025	0.45
5-3-47	18	31	28	50	29	47	M060Z090-30P-D	L03	0.46
5-3-72	18	31	28	50	54	72	M060Z090-30P-D	L03	0.54
5-4-42	22	39	28	50	25	42	M080Z120-30P-D	L04	0.43
5-4-67	22	39	28	50	50	67	M080Z120-30P-D	L04	0.62
6-1-70	11	19	36	64	40	70	M050Z050-30P-D	L025	0.90
6-2-63	14	24	36	64	45	63	M050Z060-30P-D	L025	0.66
6-2-93	14	24	36	64	75	93	M050Z060-30P-D	L025	0.71
6-3-56	18	31	36	64	39	56	M060Z090-30P-D	L03	0.70
6-3-96	18	31	36	64	79	96	M060Z090-30P-D	L03	0.91
6-4-51	22	39	36	64	35	51	M080Z120-30P-D	L04	0.76
6-4-101	22	39	36	64	85	101	M080Z120-30P-D	L04	1.19
6-5-41	28	50	36	64	25	41	M100Z160-30P-D	L05	0.72
6-5-91	28	50	36	64	75	91	M100Z160-30P-D	L05	1.46
7-6-106	36	64	46	90	99	106	M120Z200-30P-D	L06	3.12

# SCB/SSB

SCB Solid Carbide Boring Bar  
SCB 硬质合金镗刀杆

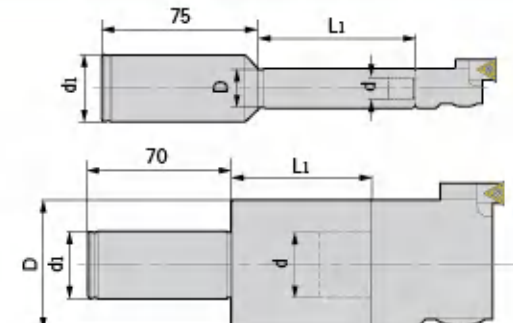


型号 Specification	D	d	L1	L2	DCK侧固螺钉 DCK Side Locking Screw	组合镗头 Boring head	镗孔范围 Boring range	重量 Weight
SCB- C19-DCK1-190	19	11	190	32.5	M050Z050-30P-D	CBH20-36	20-36	0.729
C19-DCK1-240	19	11	240	32.5	M050Z050-30P-D			0.933
C24-DCK2-220	24	14	220	35.5	M050Z060-30P-D	FBH25/CBH25-47	29-38/25-47	1.362
C24-DCK2-280	24	14	280	35.5	M050Z060-30P-D			1.671
C32-DCK3-280	32	18	280	40.0	M060Z090-30P-D	FBH32/CBH32-60	36-52/32-60	2.944
C32-DCK3-350	32	18	350	40.0	M060Z090-30P-D			3.810

### 特点 / Feature

- 超硬碳化钨制镗刀杆，使用高韧性配方制造，坚韧耐用，实现高硬度、高刚性、高抗震性，可施行超深孔加工（8D）。
- 各种规格均有内部水孔，深孔加工时排屑及冷却效果良好。
- 直柄结构，加工深度可依加工需求自行调整。
- Solid tungsten carbide holder provides high rigidity, strong shaking resistance and achieves 8 times bar diameter boring depth.
- Good chip removal and cooling performance with internal cooling hole design.
- Straight shank for easy setting of boring depth.

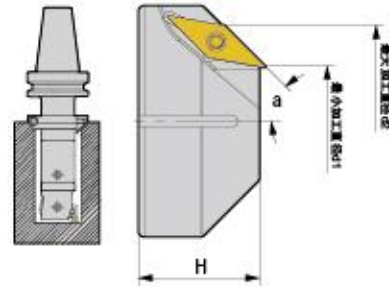
SSB Boring Holder  
SSB 直柄镗刀杆



型号 Specification	D	d	d1	L1	组合镗头 Boring head	重量 Weight
SSB- C32-DCK1-75	19	11	32	75	CBH20-36、DYD20-22、DYD22-29	0.52
C32-DCK2-70	24	14	32	70	FBH25、CBH25-47、DBH25-33、DYD29-38	0.59
C32-DCK2-120	24	14	32	120		0.85
C32-DCK3-70	31	18	32	70	FBH32、CBH32-60、DBH32-42、DYD38-50	0.73
C32-DCK3-120	31	18	32	120		1.01
C32-DCK4-60	39	22	32	60	FBH40、CBH41-74、DBH40-55、DYD48-65	0.77
C32-DCK4-110	39	22	32	110		1.19
C32-DCK5-60	50	28	32	60	FBH50、CBH53-95、DBH52-70、DYD62-90	1.02
C32-DCK5-120	50	28	32	120		1.89
C32-DCK6-60	64	36	32	60	FBH63、FBH80、CBH68-150、CBH100-203、DBH68-92、DBH90-122、DYD82-110、DYD105-140、DYD135-175	1.42
C32-DCK6-120	64	36	32	120		2.20

# CR

## CR Chamfering Cutter CR 倒角刀



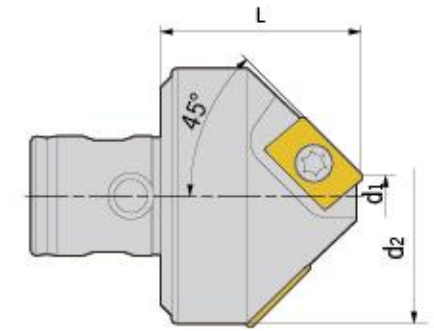
安装在DCK刀柄上用于镗孔,倒角复合加工。Assembled with DCK boring tools to chamfer.

型号 Specification	刃数 Teeth	角度 a	d1	d2	H	组合刀柄 Adapter size	L型扳手 Wrench	刀体锁紧螺钉 Locking screw	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>CR 1-34-45</b>	1	45	21	34	22	DCK1	L04	E050U160-D	VC**1103	M025W060	Q08	0.06
<b>2-39-45</b>	1	45	26	39	25	DCK2	L04	E050U160-D	VC**1103	M025W060	Q08	0.12
<b>3-54-45</b>	1	45	34	54	35	DCK3	L05	E060U200-D	VC**1604	M040S100-1	Q15	0.51
<b>4-62-45</b>	1	45	42	62	38	DCK4	L05	E060U200-D	VC**1604	M040S100-1	Q15	0.69
<b>5-93-45</b>	2	45	53	93	43	DCK5	L05	E060U250-D	VC**1604	M040S100-1	Q15	1.33
<b>6-107-45</b>	2	45	67	107	46	DCK6	L06	E080U250-D	VC**1604	M040S100-1	Q15	1.84
<b>6-138-45</b>	2	45	98	138	46	DCK6	L06	E080U250-D	VC**1604	M040S100-1	Q15	3.86
<b>6-160-45</b>	2	45	120	160	46	DCK6	L06	E080U250-D	VC**1604	M040S100-1	Q15	5.58
<b>CR 1-41-30</b>	2	30	23	41	30	DCK1	L04	E050U160-D	VC**1103	M025W060	Q08	0.10
<b>2-46-30</b>	2	30	28	46	35	DCK2	L04	E050U160-D	VC**1103	M025W060	Q08	0.21
<b>3-53-30</b>	2	30	35	53	35	DCK3	L05	E060U200-D	VC**1103	M025W060	Q08	0.34
<b>4-61-30</b>	2	30	43	61	35	DCK4	L05	E060U200-D	VC**1103	M025W060	Q08	0.41
<b>5-84-30</b>	2	30	56	84	48	DCK5	L06	E080U250-D	VC**1604	M040S100-1	Q15	1.33
<b>6-98-30</b>	2	30	70	98	48	DCK6	L06	E080U250-D	VC**1604	M040S100-1	Q15	1.21
<b>6-120-30</b>	2	30	92	120	48	DCK6	L06	E080U250-D	VC**1604	M040S100-1	Q15	3.01
<b>6-142-30</b>	2	30	114	142	48	DCK6	L06	E080U250-D	VC**1604	M040S100-1	Q15	4.09

适用 Suitable: 德克、京瓷或三菱刀片 DEREK、KYOCERA Or MITSUBISHI Insert

# DCK

## DCK Chamfering Head DCK 倒角刀头



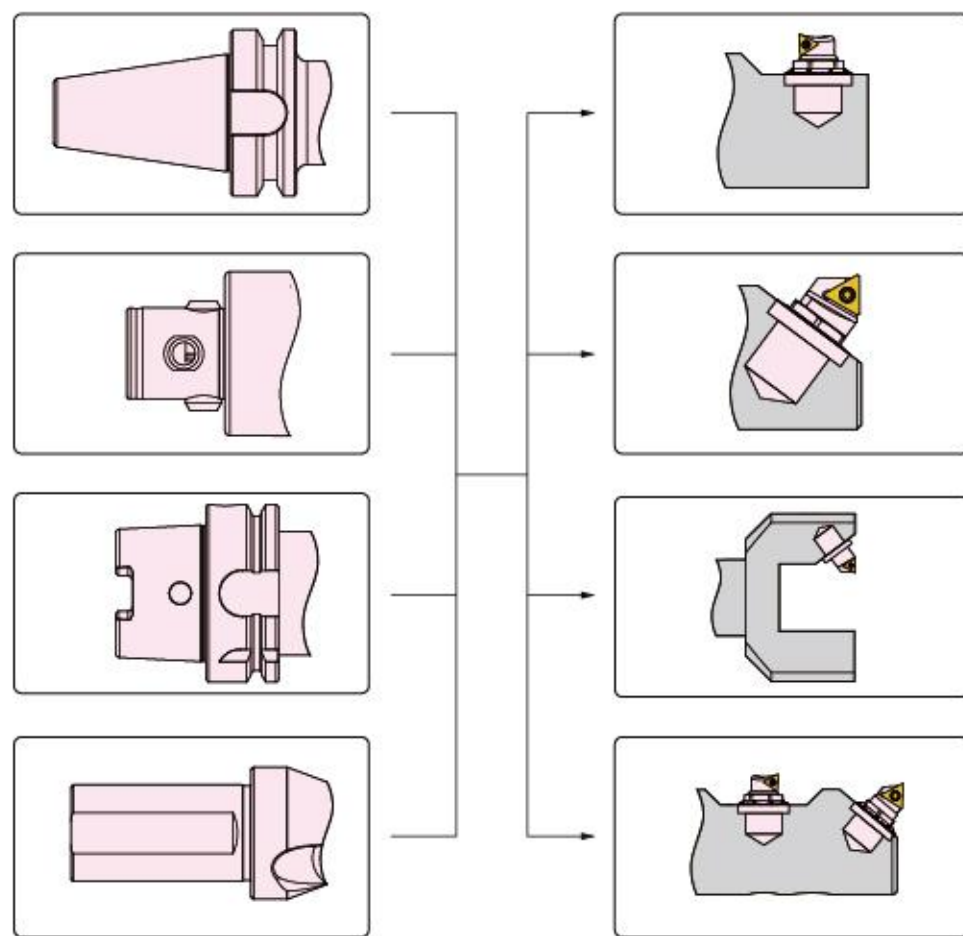
安装在DCK刀柄上用于倒角加工。Connected with DCK boring adapter for chamfering.

型号 Specification	刃数 Teeth	d1	d2	L	组合刀柄 Adapter size	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench
<b>DCK 2-0522</b>	1	5	22	25	DCK2	ADNT160308	M040S100-1	Q15
<b>4-1046</b>	2	10	46	36	DCK4	ADNT160308	M040S100-1	Q15
<b>5-3065</b>	2	30	65	50	DCK5	ADNT160308	M040S100-1	Q15
<b>6-63100</b>	2	63	100	60	DCK6	ADNT160308	M040S100-1	Q15

适用 Suitable: 日立刀片 HITACHI Insert

# MKT

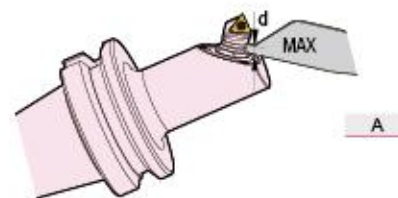
MKT Boring Cartridge  
MKT 微调精密单元



### 注 / Notice

- 精镗单元是安装与精密加工的非标刀具本体。
- 精镗单元为前端调节微调精度，每单元刻度相当于0.01mm的径向切深变化量；通过副刻度游标可进行0.001mm的径向调节。
- 精镗带有自锁功能，即调节刻度前无需解锁，调节完成后也无需锁紧。
- 另有多款主偏角微调精镗单元可接单生产。

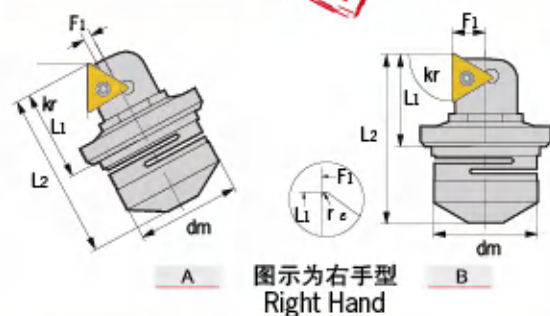
**注意事项：**  
精镗单元前端不可超行程调节，不然会造成结构损伤；安全行程的把握通过专用扳手尾宽丈量精镗单元的前端伸出量（扳手尾宽d=伸出量极限），参考图A。



- For non-standard tools.
- Each scale means radial depth cut 0.01mm; With side scale, the accuracy can be 0.001mm.
- With self-lock design.
- Cartridge with different lead angle available on request.

**Caution:**  
Don't over-adjust MKT cartridge.  
Safe adjusting size shouldn't access the wrench end size "d" (ref. picture A).

**NEW**

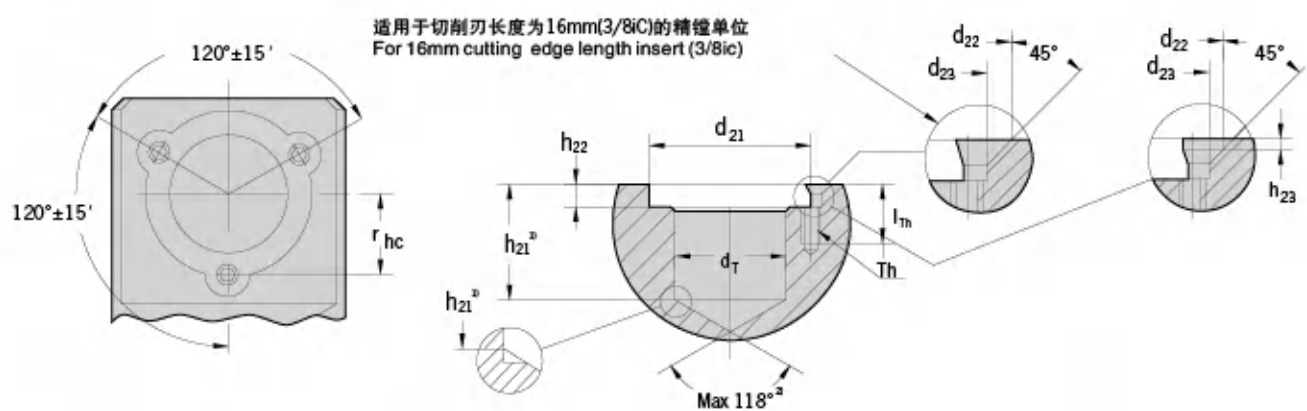


图示为右手型  
Right Hand

型号 Specification	图示 Fig	主偏角 Kr	dm	L1	L2	F1	Dmin	刃倾角 λ	内接圆 lc	刀片型号 Insert	扳手 Wrench	重量 Weight
<b>MKT1-</b> 90C06-L/R	A	90	16	14.3	25.15	0.45	25.5	-3	1/4	CC**0602	WMKT06	0.03
90T06-L/R	A	90	16	14.3	25.0	0.50	24.8	0	5/32	TB**0601	WMKT06	0.03
90T09-L/R	A	90	20	19.1	33.7	0.90	32.5	0	7/32	TC**0902	WMKT09	0.05
90T11-L/R	A	90	22	23.0	45.3	1.10	42.0	0	1/4	TC**1102	WMKT11	0.18
90T16-L/R	A	90	32	33.3	62.3	1.20	59.4	0	3/8	TC**16T3	WMKT16	0.21
<b>MKT2-</b> 90C06-L/R	B	90	16	13.3	24.1	5.10	27.0	-3	1/4	CC**0602	WMKT06	0.03
90T09-L/R	B	90	20	18.3	32.9	6.30	36.5	0	7/32	TC**0902	WMKT09	0.05
90T11-L/R	B	90	22	22.1	44.3	7.20	48.5	0	1/4	TC**1102	WMKT11	0.18
90T16-L/R	B	90	32	32.0	62.7	10.3	68.4	0	3/8	TC**16T3	WMKT16	0.21

适用 Suitable: 德克或京瓷刀片 DEREK Or KYOCERA Insert

## MKT Boring Cartridge - Assembling Size MKT 微调精镗单元的安装尺寸

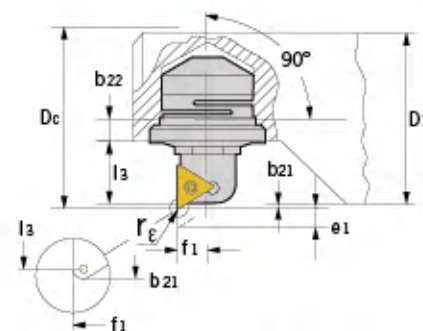


△	内接圆 lc	d <sub>T</sub> H7	d <sub>21</sub> <sup>1)</sup>	d <sub>22</sub> <sup>1)</sup>	d <sub>23</sub>	h <sub>21</sub> <sup>2)</sup>	h <sub>22</sub> <sup>3)</sup>	h <sub>23</sub> <sup>1)</sup>	l <sub>Th</sub>	r <sub>hc</sub>	T <sub>h</sub>
06	5/32	16	19	4.6	3.2	11.5	2.8	1.6	9	9.65 ± 0.02	M3
09	7/32	20	25	4.6	3.2	15.5	4.0	1.6	9	12.50 ± 0.05	M3
11	1/4	22	30	6.5	4.3	24.0	5.0	1.8	13	15.40 ± 0.05	M4
16	3/8	32	46	11.9	5.4	33.0	6.3	-	16	23.00 ± 0.05	M5
06	1/4	16	19	4.6	3.2	11.5	2.8	1.6	9	9.65 ± 0.02	M3

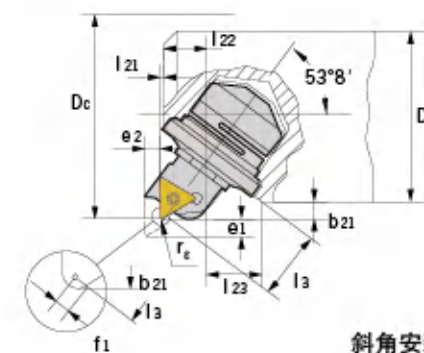
1)<sup>+</sup>0.1  
0

2)<sup>+</sup>0.2  
0

3)±0.2



直角安装  
k<sub>r</sub> = 90°



斜角安装  
k<sub>r</sub> = 90°

进给方向 Feed Direction	△	r <sub>ε</sub>	D <sub>1</sub> min	D <sub>c</sub> min	b <sub>21</sub> min	e <sub>1</sub> max	e <sub>2</sub> max	b <sub>22</sub> min	l <sub>3</sub> <sup>1)</sup> min	l <sub>21</sub>	l <sub>22</sub>	l <sub>23</sub>	f <sub>1</sub>	
直角安装 kr=90°	06	0.2		27.9	0.60				9.8					
		0.4	26.0	27.6	0.55	2.5	-	3.60	9.6	-	-	-	5.10	
	0.8		27.0	0.50				9.1						
	09	0.2		37.4	1.45				13.95					
		0.4	34.5	37.1	1.30	3.5	-	4.55	13.6	-	-	-	6.30	
	0.8		36.5	1.00				12.9						
11	0.2		49.4	1.45				16.75						
	0.4	46.5	49.1	1.30	6	-	7.75	16.4	-	-	-	7.20		
0.8		48.5	1.00				15.7							
16	0.4		69.6	1.30				25.0						
	0.8	67.0	69.0	1.00	10	-	9.40	24.3	-	-	-	10.30		
1.2		68.4	0.70				23.6							
斜角安装 90°	06	0.2		26.2	1.70				11.0				0.40	
		0.4	22.0	25.9	1.65	2	1.5	-	10.7	0.5	6.60	9.55	0.40	
	0.8		25.3	1.60				10.1					0.45	
	0.2		25.7	1.50				10.9					0.40	
	09	0.4	22.0	25.4	1.45	2	1.5	-	10.6	0.5	6.60	9.55	0.40	
		0.8		24.8	1.40				10.0					0.45
	0.2		33.4	2.45				14.9					0.95	
	11	0.4	28.5	33.1	2.30	2.8	2.1	-	14.5	0.5	9.40	12.15	1.00	
		0.8		32.5	2.00				13.7					1.10
	0.2		42.9	2.45				17.6					1.15	
	16	0.4	38.0	42.6	2.30	4.8	3.6	-	17.2	0.5	11.20	14.85	1.20	
		0.8		42.0	2.00				16.4					1.30
0.4		60.6	2.80				26.2					1.30		
16	0.8	55.0	60.0	2.50	8	6.0	-	25.4	0.5	16.65	23.70	1.40		
	1.2		59.4	2.20				24.6					1.50	

适用 Suitable: 德克或京瓷刀片 DEREK Or KYOCERA Insert

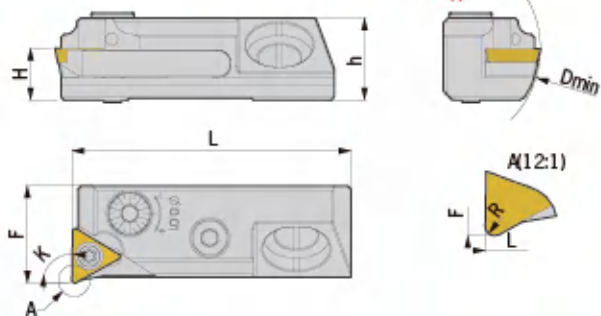
### 注 / Notice

完全夹紧在镗刀卡内时的尺寸。 Above data is based on fully assembly.

# MAC

MAC Boring Cartridge  
MAC 微调精镗刀座

**NEW**



型号 Specification	K	H	F	L	h1	Dmin	R	适用刀片 Suitable inserts
MAC90- F16-CC06-L/R	90	8.5	16	46	13.5	28	0.4	CC..0602..
MAC95- F16-CC06-L/R	95	8.5	16	46	13.5	28	0.4	CC..0602..
MAC90- F16-TP09-L/R	90	8.5	16	46	13.5	28	0.4	TP..0902..
MAC95- F16-TP09-L/R	95	8.5	16	46	13.5	28	0.4	TP..0902..
MAC90- F20-TC11-L/R	90	8.5	20	46	13.5	36	0.4	TC..1102..
MAC95- F20-TC11-L/R	95	8.5	20	46	13.5	36	0.4	TC..1102..
MAC90- F20-TP11-L/R	90	9	20	46	13.5	36	0.4	TP..1103..
MAC95- F20-TP11-L/R	95	9	20	46	13.5	36	0.4	TP..1103..

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert

## 注 / Notice

- 常备库存为右手型号。
- 刀片请根据不同材料单独订购。
- 微调精度直径0.01mm/div 半径0.005mm/div。
- 径向最大调整量直径0.6mm，轴向调整量1mm。

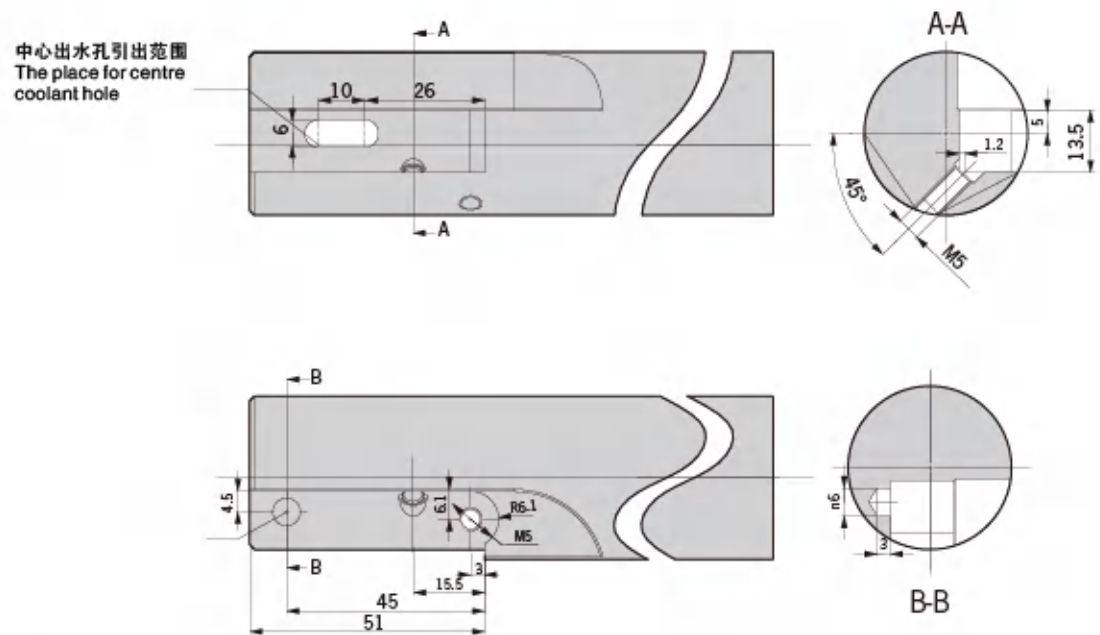
- With right hand type in stock.
- Inserts need to be purchased based on different machined material.
- One dial = 0.01mm.
- Max radial adjustment is 0.6mm, max axial adjustment is 1mm.

## 配件/Item

刀片型号 Insert	刀片锁紧螺钉 Insert Screw	轴向调节螺钉 Axial Screw	刀座锁紧螺钉 Cartridge Screw	刀片锁紧扳手 Insert Wrench	刀座锁紧扳手 Cartridge Wrench	径向调节扳手 Radial Wrench	轴向调节扳手 Axial Wrench
CC..0602..	M025W050	M050D200-90	E050U160	Q08	L04	L025	L03
TP..0902..	M025W050	M050D200-90	E050U160	Q08	L04	L025	L03
TC..1102..	M025W050	M050D200-90	E050U160	Q08	L04	L025	L03
TP..1103..	M030W060	M050D200-90	E050U160	Q08	L04	L025	L03

# MAC

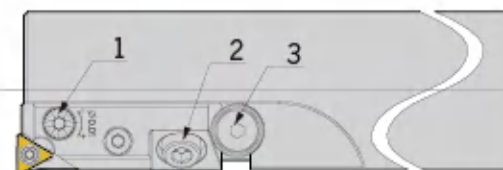
MAC Boring Cartridge - Assembling Size  
MAC 微调精镗刀座的安装尺寸



## 注 / Notice

- 图示按照右手刀夹型号的方向安装。
- 使用左手刀夹型号时请按照镜像的方式安装。

- The way of adjustment on right hand type.
- The opposite way of adjustment on left hand type.



1. 径向调节螺钉 Radial Screw
2. 刀座锁紧螺钉 Cartridge Screw
3. 轴向调节螺钉 Axial Screw

## 轴向调节方法 / Adjusting on axial direction

1. 稍微松开刀座锁紧螺钉2。
2. 顺时针旋转轴向调节螺钉3，刀座向前移动至需要的尺寸。
3. 夹紧刀座锁紧螺钉2。

1. Loosening the 2# lock screw lightly.
2. Rotating the 3# axial screw in the anticlockwise direction, so that the cartridge can be moved forward to the required size.
3. Tightening the 2# lock screw firmly.

## 注 / Notice

- 如果刀座需要向后调节，应当松开刀座锁紧螺钉，并把刀座移动到后面，然后逐渐向前调节直到需要的尺寸。

## 径向调节方法 / Adjusting on radial direction

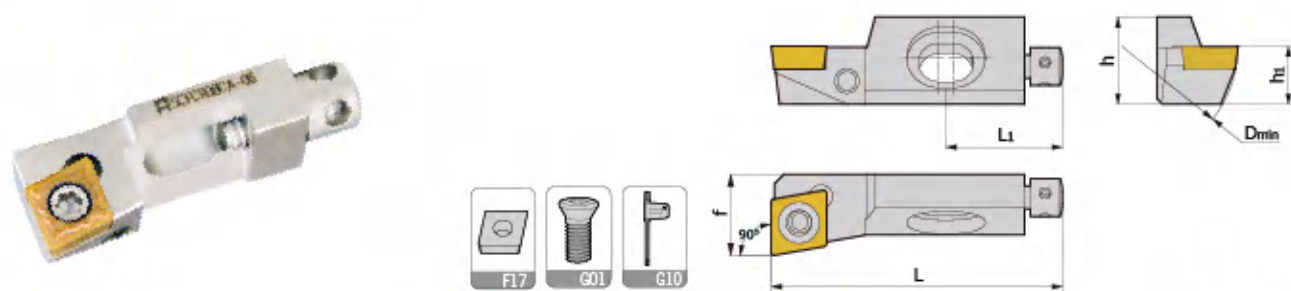
1. 顺时针方向旋转径向调节螺钉1，刀具直径逐渐变大。
2. 逆时针方向旋转径向调节螺钉1，刀具直径逐渐变小。
3. 径向微调螺钉调节是每旋转一个刻度，刀具直径变化0.01mm

1. Rotating the 1# radial adjusting screw in the clockwise direction, so that the diameter of tool will increase.
2. Rotating the 1# radial adjusting screw on the anticlockwise direction, so that the diameter of tool will reduce.
3. The adjustment on diameter: 0.01mm as per dial.

- Note: If the cartridge should be moved backward, please loosen cartridge screw, and then move the cartridge to the back, finally adjust the cartridge to forward little by little to meet the required size.

# SFC/SLC

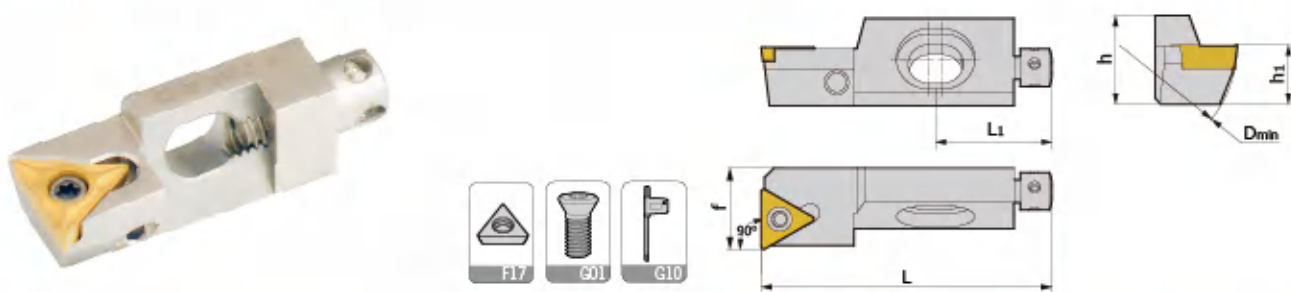
Inserts Holder SFC For Roughing  
SFC 粗镗刀座



型号 Specification	Dmin	h1	h	f	L1	L	刀片 Insert	刀片螺钉 Insert screw	调整螺钉 Adjusting screw	扳手 Wrench	重量 Weight
SCFCR08CA-06	25	8	10	10	17	32	CC**0602	M025W060	M040H120	Q08	0.07
SCFCR10CA-09	40	10	15	14	20	50	CC**09T3	M035W080	M040H120	Q15	0.10

适用 Suitable: 德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

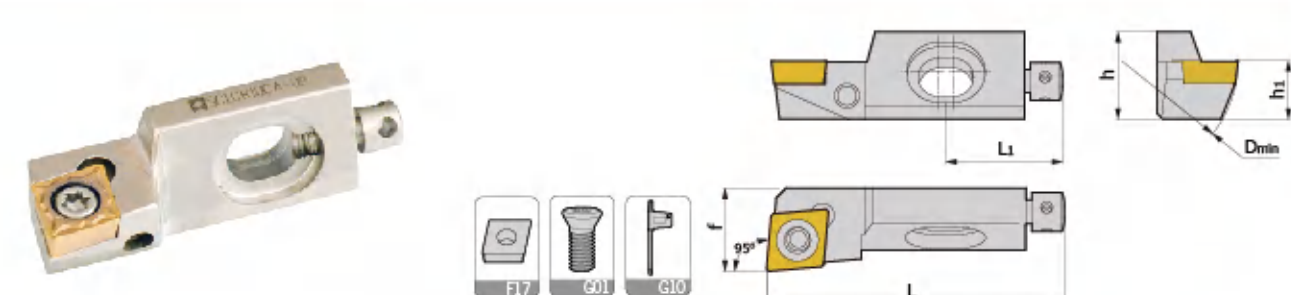
Inserts Holder SFC For Roughing  
SFC 粗镗刀座



型号 Specification	Dmin	h1	h	f	L1	L	刀片 Insert	刀片螺钉 Insert screw	调整螺钉 Adjusting screw	扳手 Wrench	重量 Weight
STFCR08CA-09	25	8	10	10	17	32	CC**0902	M022W060	M040H120	Q08	0.07
STFCR10CA-11	40	10	15	14	20	50	TC**1102	M025W060	M040H120	Q08	0.10

适用 Suitable: 德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

Inserts Holder SLC For Roughing  
SLC 粗镗刀座

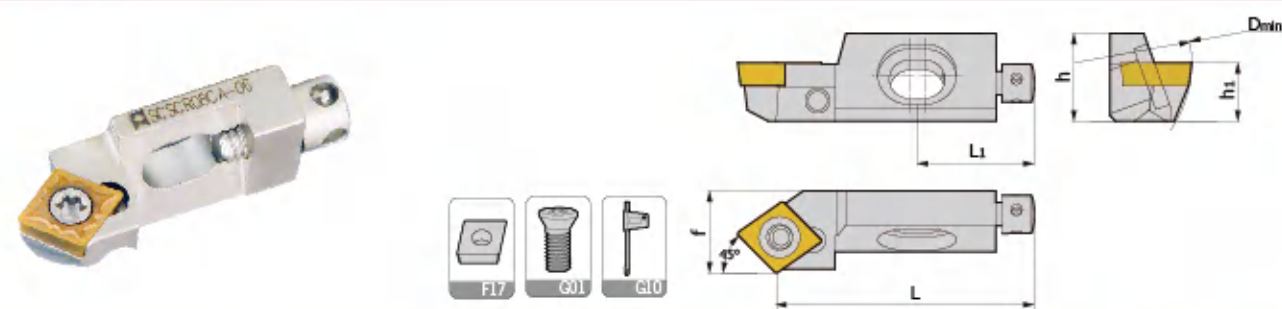


型号 Specification	Dmin	h1	h	f	L1	L	刀片 Insert	刀片螺钉 Insert screw	调整螺钉 Adjusting screw	扳手 Wrench	重量 Weight
SCLCR08CA-06	25	8	10	10	17	32	CC**0602	M025W060	M040H120	Q08	0.07
SCLCR10CA-09	40	10	15	14	20	50	CC**09T3	M035W080	M040H120	Q15	0.10

适用 Suitable: 德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

# SSC

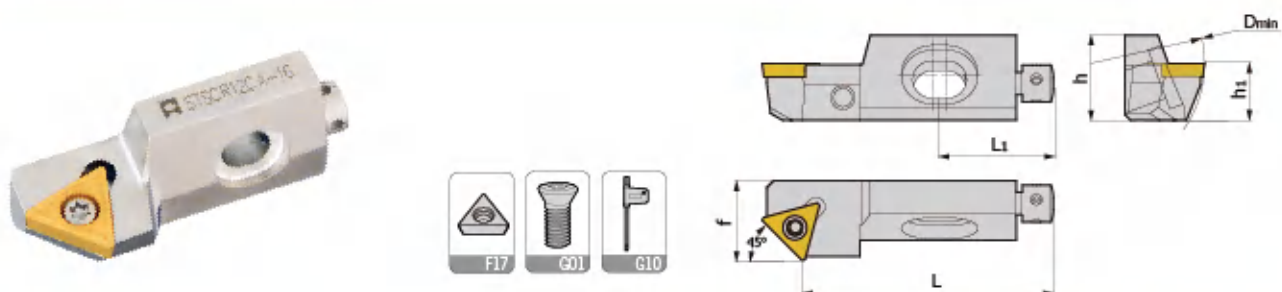
Inserts Holder SSC For Roughing  
SSC 粗镗刀座



型号 Specification	Dmin	h1	h	f	L1	L	刀片 Insert	刀片螺钉 Insert screw	调整螺钉 Adjusting screw	扳手 Wrench	重量 Weight
SCSCR08CA-06	25	8	10	10	17	32	CC**0602	M025W060	M040H120	Q08	0.07
SCSCR10CA-09	40	10	15	14	20	44	CC**09T3	M035W080	M040H120	Q15	0.09

适用 Suitable: 德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

Inserts Holder SSC For Roughing  
SSC 粗镗刀座



型号 Specification	Dmin	h1	h	f	L1	L	刀片 Insert	刀片螺钉 Insert screw	调整螺钉 Adjusting screw	扳手 Wrench	重量 Weight
STSCR10CA-11	40	10	15	14	20	44	TC**1102	M025W060	M040H120	Q08	0.09
STSCR12CA-16	50	12	20	20	20	47	TC**16T3	M035W080	M040H120	Q15	0.15

适用 Suitable: 德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

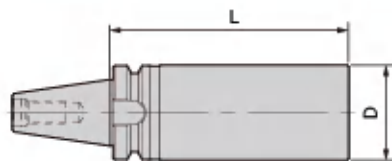
# HSK/BT/SK BLANK ADAPTER

HSK Blank Adapter  
HSK 毛坯刀柄



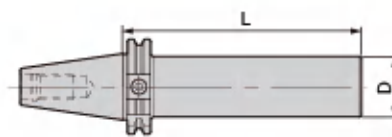
型号 Specification	D	L
<b>HSK50A-</b> 52-200	52	200
63-200	63	200
<b>HSK63A-</b> 63-250	63	250
80-250	80	250
<b>HSK100A-</b> 63-200	63	200
80-250	80	250
90-300	90	300

BT Blank Adapter  
BT 毛坯刀柄



型号 Specification	D	L
<b>BT40-</b> 63.5-160	63.5	160
63.5-250	63.5	250
<b>BT50-</b> 80-200	80	200
80-300	80	200

SK Blank Adapter  
SK 毛坯刀柄



型号 Specification	D	L
<b>SK40-</b> 40.5-160	40.5	160
63.5-160	63.5	250
63.5-250	63.5	250
<b>SK50-</b> 80-160	80	160
80-200	80	200
80-300	80	300

## 特点 / Feature

- 柄部硬度: HRC55-60。
- 毛坯端硬度:  $D \leq 65$ , HRC28-32;  $D > 65$ , HRC25-30。
- 柄部精磨到位, 毛坯端精车。
- 毛坯端表面发黑处理。
- 自带中心出水孔。
- Hardness of shank: HRC55-60.
- Hardness of blank:  $D \leq 65$ , HRC28-32;  $D > 65$ , HRC25-30.
- Finish grinding for shank, finish lathing for blank.
- Black coating for blank.
- With intercoolant hole.

Customized Tools with Indexable Inserts  
机夹式非标刀具定制

与传统刀具截然不同的, 用于数控加工的最高效刀具  
The most efficient CNC cutting tools, unlike traditional tools.

机夹非标刀具可以选择带刀座的型号。通过连成一体的刀杆和刀座, 一体型的刀具避免在使用中的两次装夹, 从而基本消除了装夹误差。选用带刀座的机夹式刀具可提高加工精度。

现代化加工中机夹式非标刀具是最佳伙伴, 在批量生产中可最大限度提高设备使用效率。

The installing error could be avoid by choosing customized tools with indexable inserts. Because boring head and cartridge are unified as a whole, it don't need two stage install any more.

It helps achieve the highest-precision machining target and utmost work efficiency in mass production.

## 特点 / Feature

- 可换式刀片  
根据客户需要提供各种替换式刀片, 当刀片磨损时, 只需更换即可。
- 微调单元  
更接近客户需求对高精度的刃部提供微调结构。高性能的微调结构是刀具反复使用后仍能保证精度。
- 多款刀柄系统  
可以从包括液压、热胀在内的不同刀柄前端和包括HSK\BT两种的刀柄后端任意定制刀柄系统, 满足不同加工设备需求。
- 刀片定制  
根据客户需求, 可以实现复杂刃口的成型刀片和PCD\CBN刀片等各种复杂的组合非标加工。
- Indexable Inserts  
Special indexable inserts can be supplied according to customers' requirements.
- Adjustable Frames  
Supply adjustable frames for insert pocket to get a high repeatability.
- Kinds Of Adapter System  
To meet different manufacturing machines, we can design and customize sorts of holder structures including shrink fit chuck and hydraulic chuck, with different cone, such as HSK and BT.
- Customized Inserts  
On request, customized inserts are available, including ground inserts with sophisticated cutting edge and PCD/CBN inserts.



## 广泛应用于制造行业中的非标精密刀具 Widely used in the manufacturing industry

整体型非标刀具是一种直接由整根棒料加工而成的传统刀具，其切削刃与刀杆部分连成一体。它不但能应付绝大部分的加工，而且可以通过重复使用来降低刀具成本。客户只需提供图纸、样刀或被加工零件即可获得德克为客户生产适用于钻、铰、铣、车、镗和其他特殊加工在内的所有种类非标刀具。

二十多年的刀具生产经验，德克奠定了坚实的非标生产基础，为包括汽车、航天、医疗与其他制造业的客户提供各种加工的整体定制刀具。通过缩减成本，使用批量的整体定制非标能给客户的生产加工带来实际效益。

Derek designs the most suitable tool structure, covering the tip type, the cooling method, the geometric shape, the processing parameter, etc.) specially for each type of a customer's tool based on the material of the processed and the customer's real processing conditions whether it is drilling, milling, reaming, boring or any other machining, so as to meet different customers' diversified demands for machining precision, smooth finish, processing efficiency and tool service life.

Based on two decades' manufacturing experience, Derek's excellent production techniques guarantees the quality of special tools, which are extensively used in metalworking of automobile, aeronautics and astronautics, medical and equipment manufacture industries. Special tools bring down the production cost in mass production dramatically.

### 特点 / Feature

- 阶梯处理  
充分考虑机械性能的前提下，根据客户需求可以定制多个阶梯。多阶梯刀具一次加工不但缩短加工时间，还能确保最佳同心度。
- 成型刀刃  
为了成型加工，根据客户的需求制定特定形状。完成标准刀具无法完成的复杂加工。
- 刃口优化  
根据加工需求对刃口进行优化，获得更低的切削阻力、更长的刀具寿命和更好的加工精度。
- 槽型设计  
对封闭加工用刀具的排屑槽进行特殊优化。优化后的槽体能加强排屑、帮助切削刃散热并减少失效状况的发生。
- Stepped Cutting  
Taking cutting condition and work piece into consideration, a stepped special tool can be designed and produced, which not only shortens the processing time but also increases the cutting performance.
- Special Cutting Edge  
A special cutting edge can be achieved on customers' demand, to finish the sophisticated machining.
- Optimized Cutting Edge  
Optimized cutting edge promises a smaller cutting resistance, a longer tool life and a better surface performance.
- Unique Chipbreaker Design  
Special design and optimize the chipbreaker for those tools used in a close cutting condition, which makes the chip-removal easier, cutting edge cooler, and more valid machining.



## 具有极佳切削性能与使用寿命的新一代精密刀具 With extraordinary cutting performance and tool life

金刚石刀具是一种由硬质合金刀杆和金刚石刀刃组合而成的新型刀具，其切削刃由金刚石构成。金刚石分为人造聚晶金刚石和天然单晶金刚石。它们是自然界已知硬度最高的物质，因此由其制作而成的刀具在使用寿命上往往超出传统硬质合金刀具数倍。金刚石刀具具有极高的硬度。

超高的导热性和极低的摩擦系数，这使得金刚石刀具拥有极其优异的切削性能。

The artificial polycrystalline diamond and the natural monocrystalline diamond are the known materials with the highest hardness in the nature. The tools made of these two materials enjoy a much longer service life than usual cemented carbide tools. The diamond tool, equipped with high hardness and thermal conductivity as well as low frictional factor, boasts its outstanding cutting performance.

### 特点 / Feature

- 超长寿命  
使用寿命远长于普通刀具，为客户省去反复换刀及反复修磨的时间，减少成本和精力。
- 刀刃PCD成型  
为了成型加工，根据客户的需求制定特定形状。成型用PCD定制刀具的加工寿命往往长达上万次。
- 镜面加工  
根据客户需要，PCD加工后的表面可获得很高的光洁度和平整度，甚至达到镜面效果，可省去抛光工序。
- 超强性能  
因摩擦系数最小、导热性能最佳，金刚石非标刀具可以大大提高加工速度并胜任整体式刀具无法完成的加工。
- 附加断屑  
根据具体加工需求，可以提供额外的断屑槽，获得更好的加工效果并防止切屑损伤已加工表面。
- Superior Tool Life  
Compared with the usual tools, PCD tools enjoy a superior tool life, which reduces the production cost dramatically.
- Ground PCD Edges  
The cutting edge of PCD is ground to the special shape to meet an unique metalworking requirement. The tool life can be more than 10,000 times.
- Mirror Effect  
The surface processed by the PCD tool is always very flat and smooth just like a mirror because of the super-high rotation speed of the PCD tool, which leaves out the customer's polishing procedure.
- Extraordinary Performance  
With high hardness and thermal conductivity as well as low frictional factor, boasts its outstanding cutting performance, which makes it the only choice in some machining solutions.
- Extra Chipbreaker  
According to a specific cutting condition, PCD tools with special chipbreakers are available. And it results in a better cutting performance.



各种难题，我们统统打包。

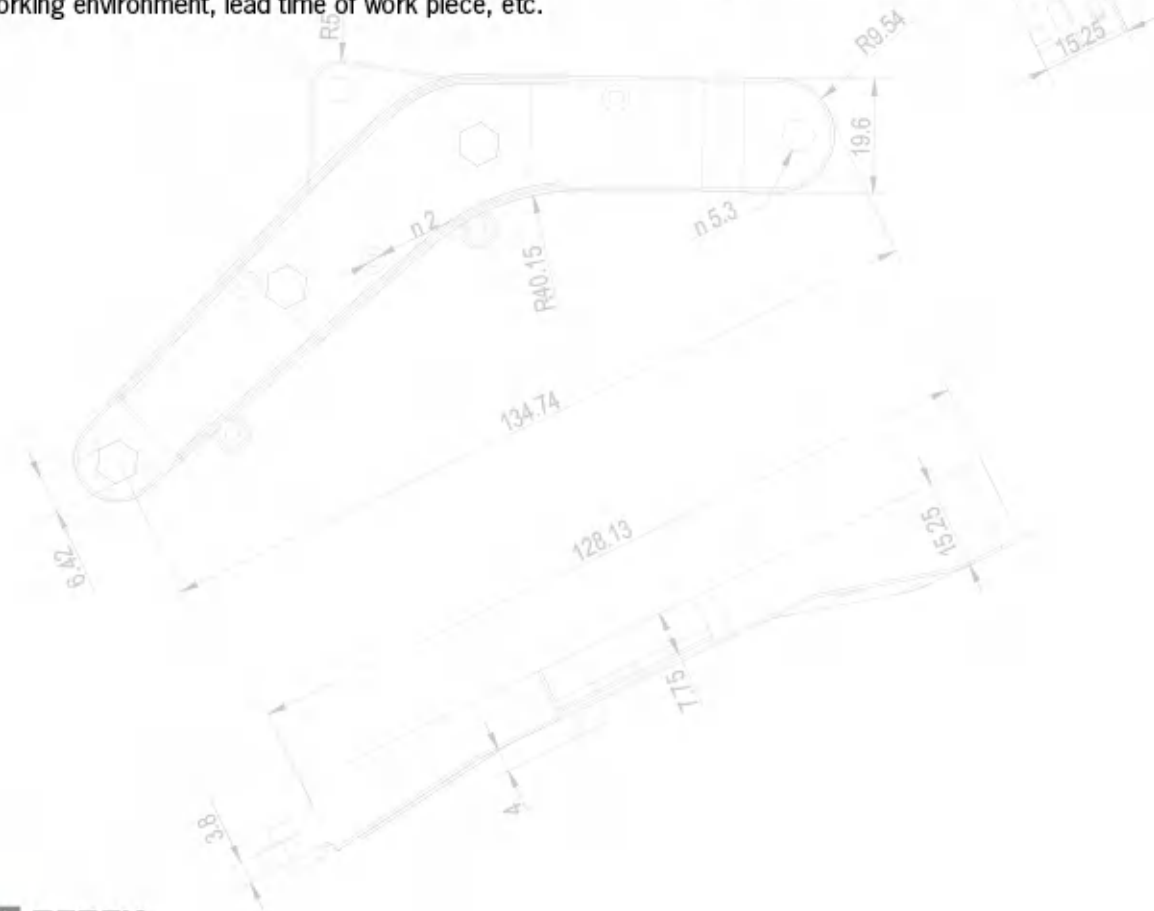
通常情况下，加工一个简单的小型零件平均需要 4-5 把标准、非标刀具；而加工、装配一个复杂的大型零部件往往需要 20 把以上的刀具。一个极端的例子是飞机制造：生产一架飞机需要使用上千种不同刀具。如果客户同时需要生产 5 种零部件，那么就必须要挑选 100 种不同刀具。德克可以为您精挑细选、化繁为简，让复杂的操作以简单方式实现。

凭借二十多年的专业刀具生产经验，拥有各种不同的高端加工设备，强大的技术力量和服务团队，德克能提供一站式的项目解决方案。只需提供被加工工件的零件图纸或样品，我们就可以提供一整套完整的加工方案，无论是标准刀具还是非标定制刀具以及各种加工耗材，我们都会设身处事的考虑各种状况，包括客户设备、加工环境、交货期等等，以最佳方式交给客户手上使用。

Whatever the project is, we are going to take over it.

Usually, it takes about 4-5 usual and special tools to machine one small and simple work piece. However, it asks for more than 20 pcs of tools for a sophisticated component. Let's take the airplane manufacturing as an example. Thousands of tools are required during the manufacturing. If one factory wants to produce 5 pcs of work piece at one time, then they have to choose about 100 different tools to finish the work. Derek is ready to offer you well selected tools to finish your work efficiently.

On the basis of two decades' manufacturing experience, equipped with state-of-the art manufacturing machines, Derek's professional technical staff and service personnel are ready to offer you one-stop service for your project and metal-working demand. On receipt of your drawings of work piece to be machined, we will supply you a full machining solution, including standard tools, special tools, and inserts, which will fulfill your requirement, such as production machines, working environment, lead time of work piece, etc.

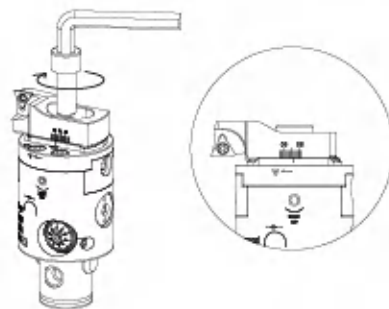


一、安装精镗刀片座、精镗刀杆、刀片：

Installation Of Insert Holder, Boring Bars And Inserts

1、精镗刀片座安装：将刀片座和镗头安装部分擦拭干净。刀片座底部与镗头安装面贴合，确定无间隙后，拧紧刀片座锁紧螺钉。安装反镗刀片座，可实现反镗加工。（图A）

1. Clean the mounting surface of cartridge and boring head; Make sure there is no gap and misalignment between cartridge and boring head; Fasten the locking screw properly.



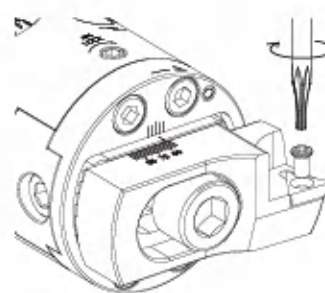
2、精镗刀杆安装：先行拆除精镗刀片座。松开BM中心销侧固螺钉，取出BM中心销。选取精镗刀杆确定安装方向，置入精镗头内，确定无间隙后，拧紧BM中心销侧固螺钉。

2. Loosen the locking screw and move the BM center pin out of boring head. Put in the boring bar in a right direction and tighten the locking screw properly.



3、刀片安装：将刀片装入刀片座内，注意刀片的两侧面及底部必须和刀片座槽的两侧面及平面完全贴合无异物，确定无间隙后，锁紧刀片螺钉。

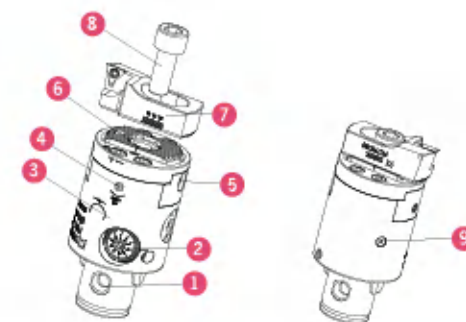
3. Use compressed air to clean the surface of inserts and insert pocket on cartridge. Ensure they are free of any dust or oil; Position the indexable insert on the insert pocket and tighten the clamping screw securely.



二、产品结构

Structure

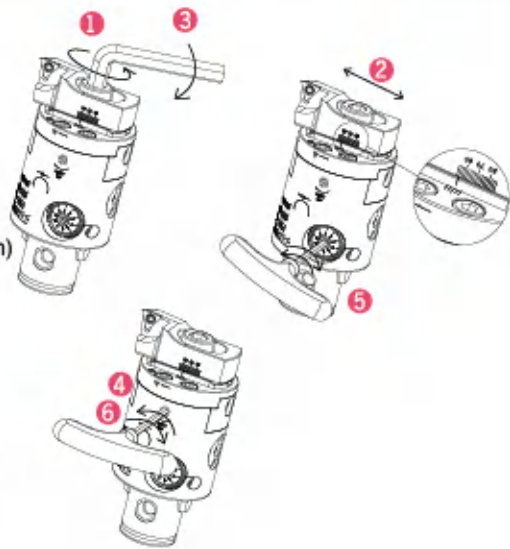
- |                           |   |                          |
|---------------------------|---|--------------------------|
| 1 镗头柄部<br>DCK Connection  | 4 微调锁紧螺钉<br>Locking Screw                         | 7 刀片座<br>Cartridge       |
| 2 微调刻度盘<br>Graduated Dial | 5 BM中心销侧固螺钉<br>Locking Screw to the Center Pin BM | 8 压紧螺钉<br>Clamping Screw |
| 3 镗头本体<br>Boring Head     | 6 BM中心销<br>BM Center Pin                          | 9 注油孔<br>Grease Hole     |



### 三、使用步骤

#### Operation

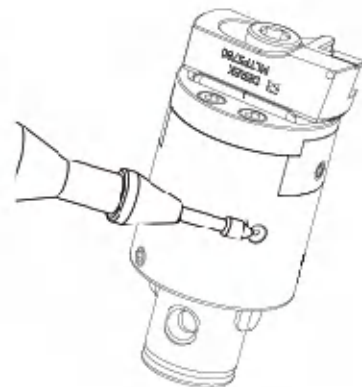
- 步骤一：松开刀座压紧螺钉（逆时针旋转）①
  - 步骤二：移动刀片座位置预调至需加工尺寸②（参考刀片座上刻度线尺寸）
  - 步骤三：拧紧刀座压紧螺钉（顺时针旋转）③
  - 步骤四：松开刻度盘锁紧螺钉（逆时针旋转）④
  - 步骤五：转动微调刻度盘（逆时针旋转）使加工直径增大，反之减小⑤（每格0.002mm）
  - 步骤六：拧紧刻度盘锁紧螺钉（顺时针旋转）⑥ 完成调整
1. Loosen the clamping screw in anti-clockwise direction;
  2. Move the cartridge close to but smaller than the working diameter;
  3. Lock the clamping screw;
  4. Loosen the locking screw on graduated dial;
  5. Adjust the dial in a clockwise direction until the desired boring diameter is reached.
  6. Tighten the locking screw properly.



### 四、使用者注意事项

#### Cautions

1. 在调整范围内使用。
1. Use boring heads within suggested range.
2. 调整微调刻度盘前必须先松开微调锁紧螺钉，否则会对内部精调机构造成损坏。
2. Rotate the graduated dial without loosening the locking screw will damage the internal moving structure.
3. 滑座固定，请使用专用扳手调整刀座压紧螺钉拧紧。扭力要适当，过大会损坏镗头精度，过松会造成加工时刀座位移。
3. Use genuine key only for unclamping, clamping and any adjustments.
4. 本产品为精密装置，调整微调刻度盘阻力过大时，请立即停止操作。并确认以下事项：
4. Check the following two possible troubles when the rotation meets big resistance or refuses to move:
  - 微调锁紧螺钉是否松开。
  - If the locking screw is loosened or not
  - 是否超出调整范围。
  - if the boring diameter required exceeds the range of boring head
5. 用户须注入润滑脂（图），润滑脂的注入量以从刻度盘周围渗出为止，润滑脂的作用不但起到润滑的作用，还可以清除渗入的冷却液和杂质；为了防止长时间不使用而使润滑脂硬化，请定期转动刻度盘。
5. Regularly apply grease into the grease hole to maintain adequate lubrication of moving part; The boring head shall be set on the smallest diameter when it is greased; Continue the grease injection till it appears to ooze out from the behind of the graduated dial; Occasionally adjust the boring head through its entire range when storing for a period of time to avoid the grease from hardening.

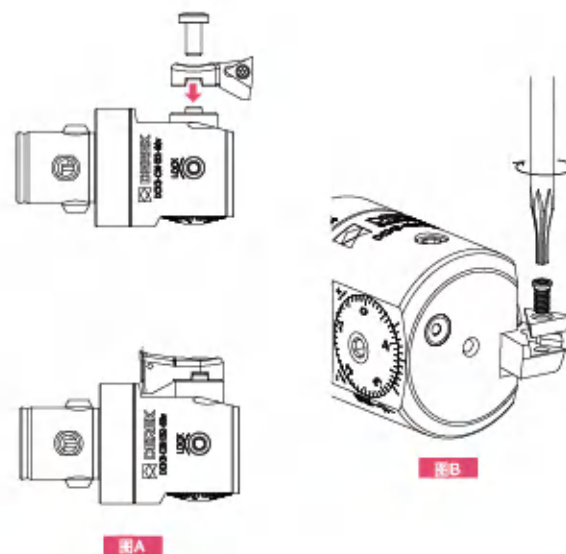


请客户不要自行拆开镗头。  
No overhauling boring head without the instructions from DEREK.

### 一、安装刀片座、刀片：

#### Installation Of Cartridge and Inserts

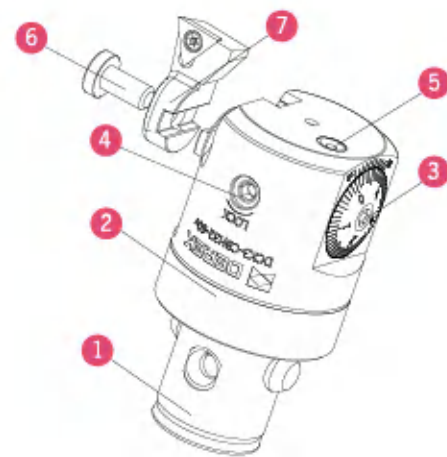
1. 将刀片座和镗头安装部分擦拭干净。刀片座底部与镗头安装面贴合，确定无间隙后，拧紧刀片座压紧螺钉。调整刀片座安装方向，可实现反镗加工。（图A）
  2. 将刀片装入刀片座内，注意刀片的两侧面及底部必须和刀片座槽的两侧面及平面完全贴合无异物，确定无间隙后，锁紧刀片螺钉。（图B）
1. Clean the mounting surface of insert holder and boring head; Mount the insert holder while fitting into the convex on the head; Make sure there is no gap and misalignment between insert holder and boring head; Fasten the locking screw properly. For back boring, please mount the insert holder turned over 180°. See Fig. A
  2. Use compressed air to clean the surface of inserts and insert pocket on cartridge. Ensure they are free of any dust or oil; Position the indexable insert on the insert pocket and tighten the clamping screw securely. See Fig. B



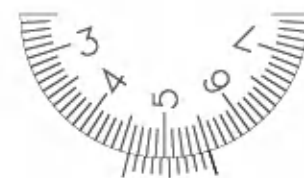
### 二、产品结构

#### Structure

- 1 镗头柄部  
DCK Connection
- 2 镗头本体  
Boring Head
- 3 微调刻度盘  
Graduated Dial
- 4 微调锁紧螺钉  
Locking Screw
- 5 注油孔  
Grease Hole
- 6 刀片座锁紧螺丝  
Clamping Screw
- 7 刀片座  
Cartridge



刻度盘（1刻度0.01mm）



#### 游标的看法

游标和刻度盘刻线一致的时候，可按 0.001mm 参考

#### Usage of graduated dial:

1. Unlock locking screw (figure 4)
2. Clockwise adjust the dial (figure 3), when the dial scale moves one division, 0.01mm added to the boring hole diameter; when the matched line of dial and vernier scale moved one smaller division (as per vernier), 0.001mm added to the boring hole diameter.
3. Lock the locking screw (figure 4).

## 三、使用步骤

## Operating Instructions

准备工作：须先确认刀片安装是否匹配，刀片座锁紧螺钉是否锁紧。

步骤一：松开微调锁紧螺钉（逆时针旋转）①

步骤二：旋转微调刻度盘顺时针旋转使加工直径增大② 逆时

针旋转加工直径缩小③（刻度盘每格为直径0.01mm）

步骤三：调整尺寸加工时，请按同方向旋转结束。

步骤四：以适当力度拧紧微调锁紧螺钉（顺时针旋转）④ 完成调整。

Before operation, checking the indexable insert is suitable and the locking screw is fastened securely.

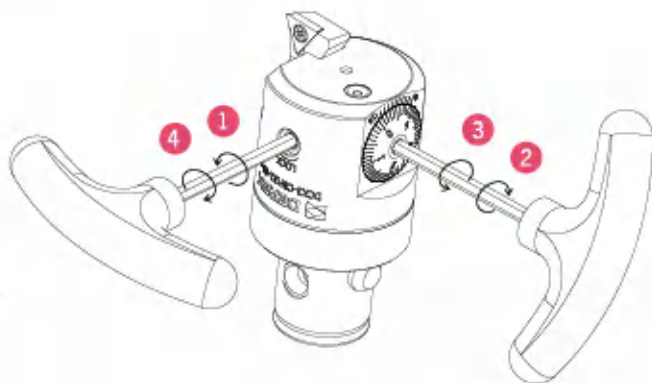
1. Loosen the locking screw in anti-clockwise direction;

2. Adjust the graduated dial clockwise to increase working diameter.

And adjust anti-clockwise to reduce working diameter.

3. Pls the adjustment graduated dial in the same direction as the beginning of rotating when finishing.

4. Tighten the locking screw clockwise properly.



## 四、使用者注意事项

## Notices Of The User

1请在调整范围内使用。

Use boring head within suggested range;

2调整微调刻度盘前，必须松开微调锁紧螺钉。否则会对内部精调机构造成损坏。

Rotate the graduated dial without loosening the locking screw would cause damage to the internal moving parts of the boring head.

3本产品是由调整微调刻度盘带动精密螺杆旋转，来实现刀片座移动。在阻力过大或无法转动时，请立即停止调整。并确认以下事项：

Check the following two possible troubles when the rotation meets big resistance or refuses to move:

微调锁紧螺丝是否松开

If the locking screw is loosened.

是否超出调整范围

If the boring diameter exceeds the boring range of boring head

4使用反镗功能时，主轴必须反转！

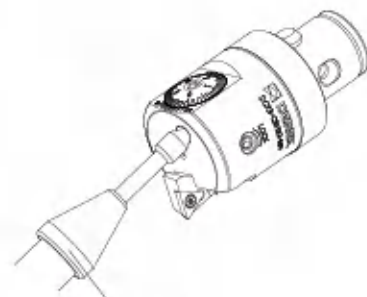
Machine spindle shall be run in anticlockwise direction when back boring is adopted.

5用户须注入润滑脂（图）润滑脂的注入量以从刻度盘周围渗出为止，润滑脂的作用不但起到润滑的作用，还可以清除渗入的冷却液和杂质；为了防止长时间不使用而使润滑脂硬化，请定期转动刻度盘。

Injecting grease until it overflow from the circumference of the graduated dial.

In addition to lubrication, it helps remove infiltrated coolant and impurities;

Pls adjust the graduated dial regularly to avoid grease becoming harden.



润滑脂枪  
Grease Gun

请客户不要自行拆开镗头。

Don't overhauling boring head without instructions from DEREK.

## 一、使用步骤

## Operating Instructions

步骤一：选择加工范围内刀杆，置于镗头安装孔内，使刀杆削平面对准固定螺丝紧固方向，并确认刀尖处于镗头微调正方向。拧紧刀杆锁紧螺钉（图）

步骤二：松开微调锁紧螺钉（图）逆时针旋转

步骤三：调整微调刻度盘（图），顺时针使加工直径增大，反之减小。调整尺寸时，请按同方向微调，以确保微调精度。

（刻度盘每格为直径0.01mm）。

步骤四：以适当扭力锁紧微调锁紧螺钉（顺时针旋转）（图），完整调整。

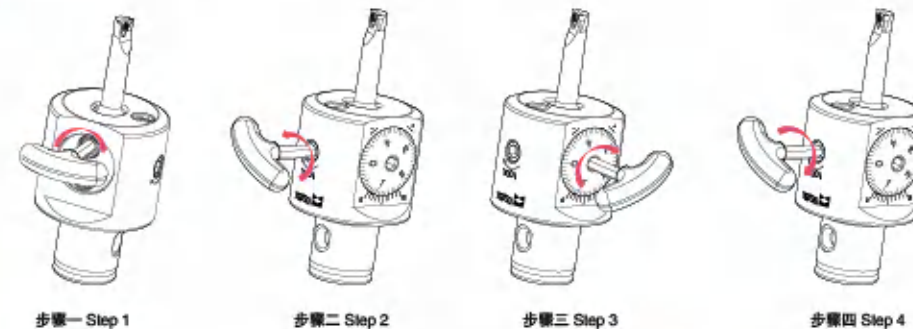
Step 1: Place boring bar which is suitable for boring range in the mounting hole of boring head. Keep flattened side of boring bar facing same direction with locking screw. And make sure cutting edge is facing the front direction with adjusting panel. Fasten the locking screw properly.

Step 2: Loosen adjusting screw (see figure 4) anti-clockwise.

Step 3: Enlarge the boring diameter by adjusting anti-clockwise on the adjusting panel (see figure 2), while adjusting clockwise is to reduce the boring range.

Step 4: Lock the adjusting screw clockwise properly to finish adjustment.

## 操作示意图 Instruction

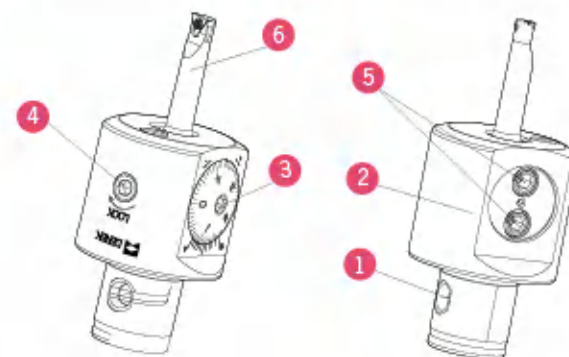


## 二、产品结构

## Structure

1镗头柄部  
DCK connection  
2镗头本体  
Boring head  
3微调刻度盘  
Graduated dial

4微调锁紧螺钉  
Locking screw  
5镗刀杆锁紧螺钉  
Mounting screw  
6镗刀杆  
Boring bar



## 三、使用者注意事项

## Notices Of The User

1请在调整范围内使用。

2调整微调刻度盘前，必须松开微调锁紧螺钉，否则会对内部精调机构造成损坏。

3请使用专用扳手固定微调锁紧螺钉，扭力要适当，过紧会导致芯轴移位，过松会造成精度不良。

4.本产品为精密机构，当阻力过大微调刻度盘无法转动时，请立即停止调整，并确认以下事项

A. 微调锁紧螺钉是否松开；

B. 是否超出调整范围；

1. Please use this tool within suggested range.

2. Please loosen the adjusting screw before adjusting. Otherwise, the tools might be damaged.

3. Please fasten the adjusting knob only using special wrench properly. Axle centre might removed if too tight, and low precision might happen if too loose.

4. Please stop the adjustment when it is faced a strong resistance, or it is unable to go on. And make sure:

A. The locking screws is unlocked;

B. The adjustment is within the suggested range;

# NBH2084

NBH2084 Micro-Boring Head Manuals  
NBH2084 微调精密镗头使用说明书

## 一、使用步骤

Operating Instructions

步骤一：选择加工范围内刀杆（图），置于镗头安装孔内（图A 图B 图C），使刀杆削平面对准固定螺丝紧固方向，

并确认刀尖处于镗头微调正方向

步骤二：松开微调锁紧螺钉（图）逆时针旋转

步骤三：调整微调刻度盘，（图）逆时针使加工直径增大，反之减小。调整尺寸时，请按同方向微调，以确保微调精度。

（刻度盘每格为直径0.01mm）

步骤四：以适当扭力锁紧微调锁紧螺钉（顺时针旋转）（图），完整调整。

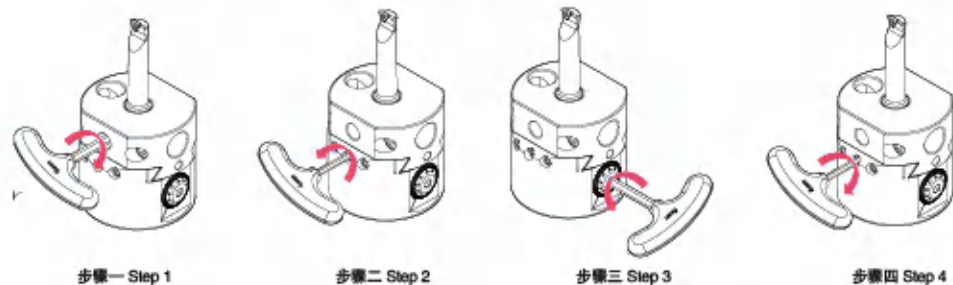
Step 1: Hold right boring bar (see figure 6) in right hole (see pic A, B, C). Make sure weldon part of boring bar is to the position of locking screw and cutting edge of boring bar is to the the position of adjusting panel.

Step 2: Loosen adjusting screw anti-clockwise.

Step 3: Enlarge the boring diameter by adjusting on the adjusting panel (see figure 2) anti-clockwise, while adjusting clockwise is to reduce the boring range.

Step 4: Adjust till the boring diameter required and lock the adjusting screw properly.

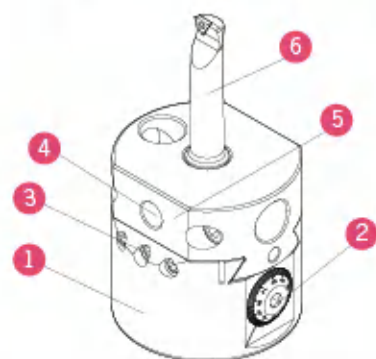
操作示意图 Instruction



## 二、产品结构

Structure

- |                            |                           |
|----------------------------|---------------------------|
| 1镗头本体<br>Boring head       | 4镗刀杆锁紧螺钉<br>Locking screw |
| 2微调刻度盘<br>Adjusting panel  | 5移动滑块<br>Movable part     |
| 3微调锁紧螺钉<br>Adjusting screw | 6镗刀杆<br>Boring bar        |



## 三、使用者注意事项

Notices Of The User

- 请在调整范围内使用。
- 调整微调刻度盘前，必须松开微调锁紧螺钉，否则会对内部微调机构造成损坏。
- 请使用专用扳手固定微调锁紧螺钉，扭力要适当，过紧会导致芯轴移位，过松会造成精度不良。
- 本产品为精密机构，当阻力过大微调刻度盘无法转动时，请立即停止调整，并确认以下事项

A.微调锁紧螺钉是否松开

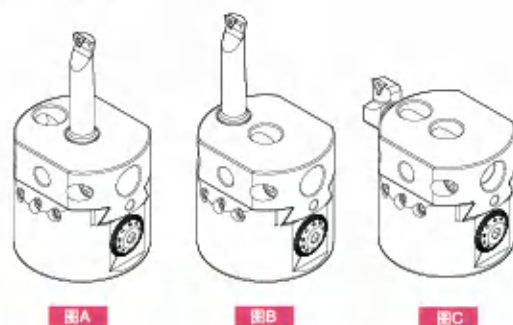
B.是否超出调整范围

- Please use it within work range.
- Please loosen the adjusting screw before adjusting.
- Please use special wrench to lock the adjusting screw properly.
- Please stop the adjustment when it is faced with a strong resistance,

And make sure:

A.Locking screws is unlocked;

B.Adjustment is within the suggested work range;



# ABH/DBH

ABH/DBH Twin Cutter Rough Boring Head Manuals  
ABH/DBH 双刃粗镗头使用说明书

## 一、使用步骤

Operating Instructions

ABH/DBH粗镗头为双刃镗头可先调整一侧。

步骤一：松开刀片座锁紧螺钉 ⑤ 逆时针旋转

步骤二：旋转刀片座调整螺钉 ③，推动刀片座 ④ 到预定尺寸可参照刻度线

步骤三：适当扭力拧紧刀片座锁紧螺钉 ⑤ 顺时针旋转。

调整另一侧同上。

Adjustment starts one of twin cartridge on ABH/DBH boring head.

Step 1: Unlock clamping screw anti-clockwise(see figure 5).

Step 2: Loosen adjusting screw (See figure 3). Move cartridge to the required position according to the reference line marked on the tool body. (see figure 4).

Step 3: Fasten clamping screw properly(see figure 5).

Follow the same steps aforementioned to adjust the other cartridge.

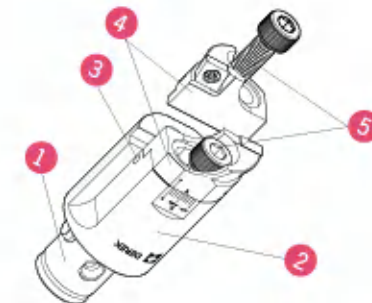
操作示意图 Instruction



## 二、产品结构

Structure

- |                             |                            |
|-----------------------------|----------------------------|
| 1镗头柄部<br>DCK Connection     | 4刀片座<br>Cartridge          |
| 2镗头本体<br>Boring head        | 5刀片座锁紧螺钉<br>Clamping screw |
| 3刀片座调整螺钉<br>Adjusting screw |                            |



## 三、加工方法

Boring Options

ABH/DBH粗镗头有两种加工方式

1.等刃式切削加工，A刀片座装于A面，B刀片座装于B面。

适用于小余量加工切削平稳。（图A）

2.错齿式切削加工，A刀片座装于B面，B刀片座装于A面。

形成高低刃，适用于大余量加工。（图B）

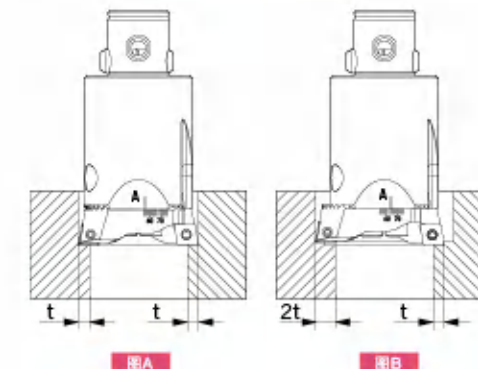
Two boring options available with ABH/DBH rough boring head.

1. Balanced cutting: Cartridge A on side A, while cartridge B on side B.

For stable cutting with a small stock allowance. (See figure A)

2. Stepped cutting: Cartridge A on side B and cartridge B on side A.

For cutting with a big stock allowance. (See figure B)



## 四、使用者注意事项

Notices Of The User

采用错齿式切削，切削量调整时须高刃与低刃相同。以平衡两边所受切削力，防止共振发生，避免单刃受力过大受损。

Make sure the cutting data for the two cartridges are same when stepped cutting is adopted.

# DHP

DHP Hydraulic Chuck  
DHP 液压刀柄



7:24锥度, 均达到AT3级标准。  
Taper 7:24;  $\leq$ AT3.

-195℃深冷处理, 降低变形, 保持精度, 提高产品稳定性。  
Subzero treatment (-195℃) to minimise the deformation of tool holder, to reach high accuracy and stability.

厚实的刀体能起到更好的减震功能, 提升表面粗糙度。  
Hydraulic system absorbs shaking of tool; Increase surface-finish quality significantly.

刀具偏摆 $3D \leq 0.003\text{mm}$ , 减少刀具损耗, 降低刀具费用, 大幅度提升表面粗糙度, 重复精度佳, 节省校刀时间。  
Runout  $\leq 3\ \mu\text{m}$ ; increase tool life; reduce tool cost; Increase surface-finish quality significantly; High accuracy without adjustment.

夹持操作简单, 约10秒内完成, 夹刀可达到0.003mm径向精度, 仅需一只T型扳手即可完成装刀, 不需要昂贵复杂的周边设备。  
User-friendly - get the accuracy of  $3\ \mu\text{m}$  within 10sec; Assemble tool with one allen key only; Easy assembly: only one allen key required.

360° 且两点夹持, 夹持稳定可靠。  
360° & 2 positions clamping; high rigidity.

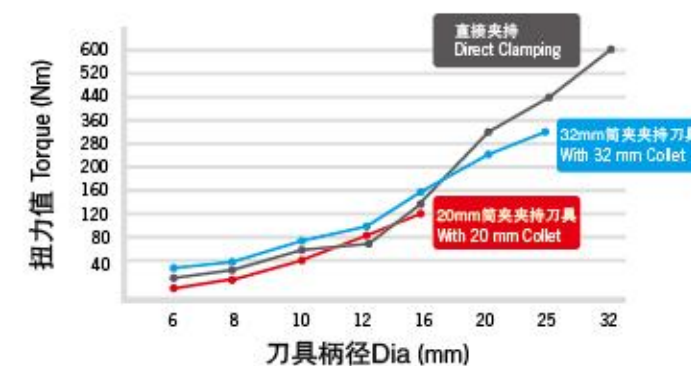
## 使用者注意事项

Notices Of The User

- 夹持柄径: 被夹持刀具柄径公差不得低于h6级, 若低于此标准可能导致夹紧无力而掉刀。
- 夹持深度: 被夹持的刀具插入夹持孔深度, 必须大于安全深度“H”。
- 清洁: 液压刀柄使用前需将刀柄内腔表面清洗干净, 不得有残余的防锈油或其他杂质附着于内孔表面。
- Assembled bar size tolerance:  $\geq$  h6;
- Clamp depth:  $>$  H;
- Clean the chuck before and after use.

## 液压刀柄夹持扭力测验

Clamping Torque Test



加工中心刀柄  
TOOL HOLDERS

高速刀柄  
HSS Toolholder

钛合金刀柄  
Ti Toolholder

铝合金刀柄  
Aluminum Toolholder

刀柄配件  
HOLDER ACCESSORIES

# SF/DSF

SF/DSF Shrink-Fit Holder  
SF/DSF 热缩刀柄

7:24锥度，均达到AT3级标准。  
Taper 7:24; ≤AT3.

使用刀柄内部的拉紧螺钉实现后拉式锁紧，定位精度高。  
Locked with internal pull stud, Precise positioning.

通过更换延长杆可实现柄径为D3-D12mm的刀具夹持，减少成本，简单实现前期准备工作，提高效率。  
A wide clamping range (D3-D12mm) is available with different extenders, which reduces production cost and increases efficiency.

采用优质热缩特殊钢材热膨胀率大，夹持可靠。  
With superior-quality steel with good CTE. (CTE: The coefficient of thermal expansion)

半角3°

3°角设计，外形细长，加工干涉小。  
3° Taper-off design minimizes interference.

## 电磁感应热缩机 Induction Heat Machine

型号 Specification	加热时间 Shrink time	冷却方式 Cooling	输出电源 Voltage	瞬间输出最大功率 Power	适用刀具材质 Tools	范围 Range	LxWxH (mm)	重量 Weight
SF-3500	3-15"	风冷 Air Cooling	SSINGLE-PHASE 220V/25A	3500W	钨钢 Carbide	Φ3~Φ25 mm	600x500x800	41KG



# HPC

HPC High-speed Power Chuck  
HPC 高速强力刀柄

-195℃深冷处理，降低变形，保持精度，提高产品稳定性。  
Subzero treatment (-195℃) to minimise the deformation of tool holder, to reach high accuracy and stability.

高强度螺帽  
有效防止振刀，适合重力切削  
High strength nuts;  
Reduce the shaking of cutting tool;  
Excellent for heavy duty.

超硬滚针每一根都是经过精密测量挑选，使同一刀柄内的百余根滚针直径一致，超高的硬度传递锁紧力更均匀、可靠。  
Same diameter hardened roller needles are strictly selected and arranged for strong & stable clamping possible.

前后双重防护罩，防止液体，灰尘，切屑进入本体，与转螺帽形成的间隙间损坏表面及滚针。  
Dust-proof ring and cover,  
Prevent the body from liquid and dust.

内腔的防滑槽设计，使装刀过程中的油污、异物可挤入槽内，使夹持面贴合更紧密，有效防止刀具滑落，同时可释放夹持过程中产生的内应力。  
Special design of cavity & groove make the clamping firm, keep internal structure clean, and reduce the internal stress significantly.

## 使用者注意事项 Notices Of The User

- 请选用直径公差等级高于h7级的刀具。
- 当选用柄部直径偏小的刀具时会导致夹不紧而产生溜刀现象。
- 禁止无刀状态下进行空夹。
- Assemble right diameter tool tolerance: > h7;
- Suitable shank diameter is required;
- Clamping without tools is forbidden.



7:24锥度，均达到AT3级标准。  
Taper 7:24; ≤AT3.

刀柄整体动平衡G2.5; 25,000 rpm  
最高转速可达45,000 rpm  
Balanced: G2.5; 25,000 rpm  
Max: 45,000 rpm

超高速螺帽，光面无槽设计，使其零风阻，  
高强度，高速运转下，静音可靠。  
Notch-free design: Prevent vibration;  
Reduce noise splattering coolant;  
Assure increased strength of nut itself.

-195℃深冷处理，降低变形，保持精度，  
提高产品稳定性。  
Subzero treatment (-195℃) to minimise the  
deformation of tool holder, to reach high  
accuracy and stability.

可选配止水精密筒夹，保障密封性，  
使其获得最佳的出水效果。  
Special sealing collet is provided to achieve  
excellent cooling performance.

刀具偏摆3D ≤ 0.005 mm，减少刀具损耗，  
降低刀具费用，大幅度提升表面粗糙度，  
重复精度佳，节省校刀时间。  
Runout(3D) ≤ 5 μm; increase tool life; reduce tool cost;  
Increase surface-finish quality significantly;  
High repeat accuracy.

### DSK 精密弹性筒夹 DSK Precision Collet



相比普通ER刀柄具有较小的锥角，较长的夹持部位，  
更能提供超强的夹持力和定心性。

Compared with ER collet, DSK collet is with smaller taper angle, longer clamping length, higher clamping strength and concentricity



可靠的  
同心度  
Best Concentricity

丝锥快速  
更换  
Quick Change

可选筒夹  
长度  
Longer Tapping Collet

中心冷却  
出水  
Internal Cooling

### 特点 / Feature

- 采用法兰接触设计，以求更优秀的刚性和同心度。
- 支持丝锥快速更换。
- 中心内冷设计。
- 筒夹长度6种选择（33~200mm）。

- Flange design, supply for better synchrony & rigidity.
- Quick assembling for taps.
- With internal coolant system.
- 6 sizes available for tapping collet (33~200mm) .



未锁紧前  
此端面留有间隙  
Some gap before  
fastening



锁紧后  
此端面闭合  
No gap after  
fastening

两个夹紧螺钉 Locking screw

两颗螺钉成90度安装，拧紧扳手的同时筒夹端面与刀柄本体紧密贴合，获得极佳连接刚性。  
Two locking screws are designed in 90° degree.



微补偿  
Synchro

分体式  
Split

中心  
冷却  
Internal Cooling

延长丝  
锥夹头  
Deeper Tap Clamping

### 特点 / Feature

■主轴的旋转与实际丝锥进给之间有微小的同步误差是难以避免的。使用刚性攻丝刀柄意味着任何一点微小的偏差都会大大增加丝锥所受到的力，使得丝锥寿命大大缩短。采用带有微量补偿(例如+0.2mm, -1mm)能有效地充分缓冲丝锥在正转及反转时受到的压力，使丝锥的微量损伤减少到最低，从而有效延长丝锥寿命100%以上，使螺纹精度更高。这对于脆性相对较大的硬质合金丝锥意义更大。

■独特的分体式设计，只需替换易损的前端，保留高价值本体，使本体更具经济型。

■刀柄中心通冷却液，可以对刀具充分润滑及排屑，最大压力可达50bar。

■可配延长丝锥夹头，满足不同加工深度的要求。(填补了市面上普通微补偿ER刀柄长度单一的问题)。

■攻丝能力

M3-M12 M6-M20 M14-M33.

■可匹配机床主轴

HSK BT SK

■This VER chuck avoids error between spindle running and tools feeding, increases the tapping chuck life.

■Unique split-type structure, can replace the front worn out part only, it's affordable with saving the mean part of the chuck.

■Coolant flowing pressure up to 2MPa.

■Longer-size tapping collets applicable to different tapping depths;

■Tapping capacity: M3 - M12; M6 - M20; M14 - M33.

■With spindle standards: HSK (DIN69893); BT (JIS B6339); SK (DIN69871).



Other ER Tapping Chuck  
普通ER刀柄刚性攻牙

线速度V=5-10m/min

### 特点 / Feature

效率低下  
Low efficiency



Other ER Tapping Chuck  
普通ER刀柄攻牙加工效果

### 特点 / Feature

螺牙隆起不足表面不整齐，  
影响螺纹连接强度。  
Poor threading surface and strength.



DEREK VER Split Synch Tapping Chuck  
德克VER分体式微补偿刀柄攻牙

线速度V=20-30m/min

### 特点 / Feature

效率提高2-4倍  
Improve efficiency 2-4 times



DEREK VER Split Synch Tapping Chuck  
德克VER分体式微补偿刀柄攻牙加工效果

### 特点 / Feature

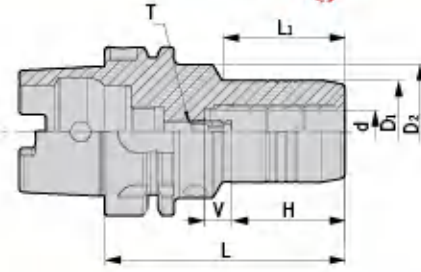
螺牙牙型整齐完整，  
表面质量平整光滑，  
连接强度高。  
Full thread profile, smooth surface  
and high strength.

# DHP

HSK-A-DHP Hydraulic Chuck  
HSK-A-DHP 液压刀柄



MAX  
30,000  
min<sup>-1</sup>



型号 Specification	d	D <sub>1</sub>	D <sub>2</sub>	H	V	L <sub>1</sub>	L	T	压紧螺钉 Insert Screw	适用筒夹 Suit collet	T形加长扳手 Wrench-T	重量 Weight	
HSK40A-	DHP6-70	6	28	34	27.5	10	28	70	M050Z150-D	M080U120-D	-	T04-L	0.55
	DHP8-70	8	30	34	27.5	10	28	70	M060Z150-D	M080U140-D	-	T04-L	0.56
	DHP10-75	10	32	34	32.5	10	34	75	M060Z150-D	M080U140-D	-	T04-L	0.61
	DHP12-85	12	34	34	37.5	10	-	85	M060Z150-D	M080U120-D	D12/OD12	T04-L	0.68
HSK50A-	DHP6-70	6	28	40	27.5	10	28	70	M050Z150-D	M080U120-D	-	T04-L	0.74
	DHP8-70	8	30	40	27.5	10	28	70	M050Z150-D	M080U140-D	-	T04-L	0.75
	DHP10-80	10	32	40	32.5	10	34	80	M060Z150-D	M080U140-D	-	T04-L	0.82
	DHP12-85	12	34	40	37.5	10	44	85	M060Z150-D	M080U120-D	D12/OD12	T04-L	0.87
	DHP14-85	14	36	40	37.5	10	44	85	M060Z150-D	M080U140-D	-	T04-L	0.90
	DHP16-90	16	38	60	42.5	10	30	90	M080Z150P-D	M080U140-D	-	T04-L	0.94
	DHP18-90	18	41	-	42.5	10	-	90	M080Z150P-D	M080U140-D	-	T04-L	0.96
	DHP20-90	20	42	-	42.5	10	-	90	M080Z150P-D	M080U140-D	D20/OD20	T04-L	0.99
HSK63A-	DHP6-70	6	28	50	27.5	10	24	70	M050Z150-D	M080U120-D	-	T04-L	1.01
	DHP8-70	8	30	50	27.5	10	24	70	M060Z150-D	M080U140-D	-	T04-L	1.02
	DHP10-80	10	32	50	32.5	10	35	80	M060Z150-D	M080U140-D	-	T04-L	1.08
	DHP12-85	12	34	50	37.5	10	40	85	M060Z150-D	M080U120-D	D12/OD12	T04-L	1.13
	DHP14-85	14	36	50	37.5	10	40	85	M060Z150-D	M080U140-D	-	T04-L	1.17
	DHP16-90	16	38	50	42.5	10	46	90	M080Z150P-D	M080U140-D	-	T04-L	1.21
	DHP18-90	18	41	50	42.5	10	47	90	M080Z150P-D	M080U140-D	-	T04-L	1.22
	DHP20-90	20	43	50	42.5	10	48	90	M080Z150P-D	M080U140-D	D20/OD20	T04-L	1.25
	DHP25-120	25	57	63	51	10	59	120	M160Z150P-D	M100U120-D	-	T05-L	2.17
	DHP32-125	32	63	75	55	10	63	125	M160Z150P-D	M100U180-D	D32/OD32	T05-L	2.54
HSK100A-	DHP6-75	6	28	54	27.5	10	26	75	M050Z150-D	M080U120-D	-	T04-L	2.40
	DHP8-75	8	30	54	27.5	10	26	75	M060Z150-D	M080U140-D	-	T04-L	2.41
	DHP10-90	10	32	50	32.5	10	42	90	M060Z150-D	M080U140-D	-	T04-L	2.48
	DHP12-95	12	34	50	37.5	10	47	95	M060Z150-D	M080U120-D	D12/OD12	T04-L	2.53
	DHP14-95	14	36	50	37.5	10	47	95	M060Z150-D	M080U140-D	-	T04-L	2.58
	DHP16-100	16	38	50	42.5	10	53	100	M080Z150P-D	M080U140-D	-	T04-L	2.61
	DHP18-100	18	41	50	42.5	10	53	100	M080Z150P-D	M080U140-D	-	T04-L	2.66
	DHP20-105	20	43	50	42.5	10	59	105	M080Z150P-D	M080U140-D	D20/OD20	T04-L	2.75
	DHP25-110	25	57	63	51	10	62	110	M160Z150P-D	M100U120-D	-	T05-L	3.39
	DHP32-110	32	63	75	55	10	62	110	M160Z150P-D	M100U180-D	D32/OD32	T05-L	3.66

注：报价时含扳手，筒夹需单独订购。  
Notice: Wrench is included, while collet shall be ordered separately.

## 特点 / Feature

- DHP刀具系列用途高转速、高精密切削加工，切削效果佳。
- For high-speed and high precision cutting;
- 动平衡设定: G2.5; 20,000 rpm。
- Balanced: G2.5; 20,000 rpm;
- 3D处径向跳动 ≤ 0.003 mm。
- Runout (X3D): ≤ 0.003 mm.

# DHP

HSK-A-DHP Hydraulic Chuck  
HSK-A-DHP 液压刀柄(加长款)

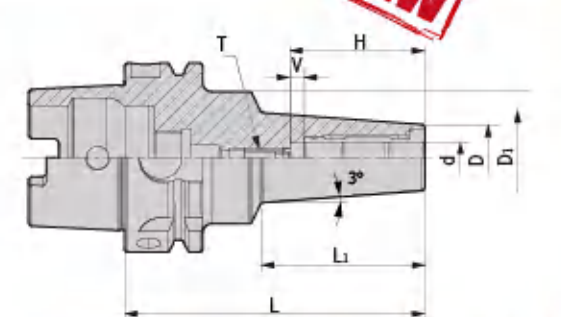


型号 Specification	d	D <sub>1</sub>	D <sub>2</sub>	H	V	L <sub>1</sub>	L	T	压紧螺钉 Insert Screw	适用筒夹 Suit collet	T形加长扳手 Wrench-T	重量 Weight	
HSK63A-	DHP6-150	6	28	50	27.5	10	103	150	M050Z150-D	M080U120-D	-	T04-L	1.30
	DHP6-200	6	28	50	27.5	10	103	200	M050Z150-D	M080U120-D	-	T04-L	1.65
	DHP8-150	8	30	50	27.5	10	104	150	M060Z150-D	M080U140-D	-	T04-L	1.44
	DHP8-200	8	30	50	27.5	10	104	200	M060Z150-D	M080U140-D	-	T04-L	1.74
	DHP10-150	10	32	50	32.5	10	104	150	M060Z150-D	M080U140-D	-	T04-L	1.51
	DHP10-200	10	32	50	32.5	10	104	200	M060Z150-D	M080U140-D	-	T04-L	1.90
	DHP12-150	12	34	50	37.5	10	105	150	M060Z150-D	M080U120-D	D12/OD12	T04-L	1.58
	DHP12-200	12	34	50	37.5	10	105	200	M060Z150-D	M080U120-D	D12/OD12	T04-L	1.92
	DHP14-150	14	36	50	37.5	10	105	150	M060Z150-D	M080U140-D	-	T04-L	2.11
	DHP14-200	14	36	50	37.5	10	105	200	M060Z150-D	M080U140-D	-	T04-L	2.52
	DHP16-150	16	38	50	42.5	10	106	150	M080Z150P-D	M080U140-D	-	T04-L	1.71
	DHP16-200	16	38	50	42.5	10	106	200	M080Z150P-D	M080U140-D	-	T04-L	2.46
	DHP18-150	18	41	50	42.5	10	107	150	M080Z150P-D	M080U140-D	-	T04-L	1.83
	DHP18-200	18	41	50	42.5	10	107	200	M080Z150P-D	M080U140-D	-	T04-L	2.55
DHP20-150	20	43	50	42.5	10	108	150	M080Z150P-D	M080U140-D	D20/OD20	T04-L	1.91	
DHP20-200	20	43	50	42.5	10	108	200	M080Z150P-D	M080U140-D	D20/OD20	T04-L	2.67	

HSK-A-DHP Super Slim Hydraulic Chuck  
HSK-A-DHP 超细长液压刀柄



MAX  
30,000  
min<sup>-1</sup>



型号 Specification	d	D	D <sub>1</sub>	H	V	L <sub>1</sub>	L	T	压紧螺钉 Insert Screw	适用筒夹 Suit collet	T形加长扳手 Wrench-T	重量 Weight	
HSK63A-	DHP4S-100	4	11	46	24	-	42	100	-	M080U120-D	-	T04-L	0.70
	DHP4S-130	4	11	46	24	-	72	130	-	M080U120-D	-	T04-L	1.00
	DHP6S-130	6	13	46	40	10	74	130	M050Z150-D	M080U120-D	-	T04-L	1.20
	DHP6S-160	6	13	46	40	10	104	160	M050Z150-D	M080U120-D	-	T04-L	1.30
	DHP8S-130	8	15	46	40	10	74	130	M060Z150-D	M080U140-D	-	T04-L	1.20
	DHP8S-160	8	15	46	40	10	104	160	M060Z150-D	M080U140-D	-	T04-L	1.30
	DHP10S-130	10	17	46	41	10	74	130	M080Z150P-D	M080U140-D	-	T04-L	1.20
	DHP10S-160	10	17	46	41	10	104	160	M080Z150P-D	M080U140-D	-	T04-L	1.30
	DHP12S-130	12	19	46	46	10	75	130	M080Z150P-D	M080U120-D	D12/OD12	T04-L	1.20
	DHP12S-160	12	19	46	46	10	105	160	M080Z150P-D	M080U120-D	D12/OD12	T04-L	1.30

注：报价时含扳手，筒夹需单独订购。  
Notice: Wrench is included, while collet shall be ordered separately.

## 特点 / Feature

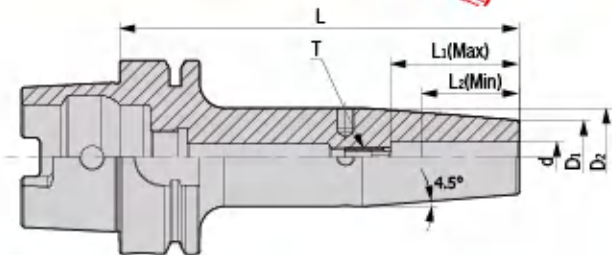
- DHP刀具系列用途高转速、高精密切削加工，切削效果佳。
- For high-speed and high precision cutting;
- 动平衡设定: G2.5; 25,000 rpm。
- Balanced: G2.5; 25,000 rpm;
- 3D处径向跳动 ≤ 0.003 mm。
- Runout (X3D): ≤ 0.003 mm;
- 外观细长设计，加工不易干涉。
- No interference due to slim design.

# SF

HSK-A-SF Shrink Fit Holder  
HSK-A-SF 烧结式热装刀柄 (一体式)



MAX  
50,000  
min<sup>-1</sup>



**NEW**

型号 Specification	d	D1	D2	L	L1 (Max)	L2 (Min)	T	重量 Weight
<b>HSK50A-</b> SF3-60	3	10	10	60	-	9	-	0.39
SF4-60	4	10	10	60	-	12	-	0.39
SF5-60	5	10	10	60	-	15	-	0.39
SF6-80	6	21	27	80	36	26	M050Z150-D	0.41
SF8-80	8	21	27	80	36	26	M050Z150-D	0.41
SF10-85	10	24	32	85	42	32	M060Z150-D	0.42
SF12-90	12	24	32	90	47	37	M060Z150-D	0.43
SF14-90	14	27	34	90	47	37	M060Z150-D	0.43
SF16-95	16	27	34	95	50	40	M080Z150-P-D	0.45
<b>HSK63A-</b> SF3-80	3	10	10	80	-	9	-	0.50
SF4-80	4	10	10	80	-	12	-	0.60
SF5-80	5	10	10	80	-	15	-	0.70
SF6-80	6	21	27	80	36	26	M050Z150-D	0.80
SF6-130	6	21	27	130	36	26	M050Z150-D	1.00
SF6-160	6	21	27	160	36	26	M050Z150-D	1.20
SF6-200	6	21	27	200	36	26	M050Z150-D	1.40
SF8-80	8	21	27	80	36	26	M050Z150-D	0.80
SF8-130	8	21	27	130	36	26	M050Z150-D	1.02
SF8-160	8	21	27	160	36	26	M050Z150-D	1.25
SF8-200	8	21	27	200	36	26	M050Z150-D	1.43
SF10-85	10	24	32	85	42	32	M060Z150-D	0.90
SF10-130	10	24	32	130	42	32	M060Z150-D	1.17
SF10-160	10	24	32	160	42	32	M060Z150-D	1.45
SF10-200	10	24	32	200	42	30	M060Z150-D	1.75
SF12-90	12	24	32	90	47	37	M060Z150-D	0.92
SF12-130	12	24	32	130	47	37	M060Z150-D	1.15
SF12-160	12	24	32	160	47	37	M060Z150-D	1.55
SF12-200	12	24	32	200	47	37	M060Z150-D	1.92
SF14-90	14	27	34	90	47	37	M060Z150-D	0.95
SF14-130	14	27	34	130	47	37	M060Z150-D	1.18
SF14-160	14	27	34	160	47	37	M060Z150-D	1.60
SF14-200	14	27	34	200	47	37	M060Z150-D	1.98
SF16-95	16	27	34	95	50	40	M080Z150-P-D	1.00
SF16-130	16	27	34	130	50	40	M080Z150-P-D	1.21
SF16-160	16	27	34	160	50	40	M080Z150-P-D	1.65
SF16-200	16	27	34	200	50	40	M080Z150-P-D	2.05
SF18-95	18	33	42	95	50	40	M080Z150-P-D	1.05
SF18-130	18	33	42	130	50	40	M080Z150-P-D	1.25
SF18-160	18	33	42	160	50	40	M080Z150-P-D	1.70
SF18-200	18	33	42	200	50	40	M080Z150-P-D	2.10

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See next page

# SF

HSK-A-SF Shrink Fit Holder  
HSK-A-SF 烧结式热装刀柄 (一体式)

型号 Specification	d	D1	D2	L	L1 (Max)	L2 (Min)	T	重量 Weight
<b>HSK63A-</b> SF20-100	20	33	42	100	52	42	M080Z150-P-D	1.20
SF20-130	20	33	42	130	52	42	M080Z150-P-D	1.49
SF20-160	20	33	42	160	52	42	M080Z150-P-D	1.80
SF20-200	20	33	42	200	52	42	M080Z150-P-D	2.20
SF25-115	25	44	53	115	58	48	M160Z150-P-D	1.98
SF25-160	25	44	53	160	58	48	M160Z150-P-D	2.10
SF25-200	25	44	53	200	58	48	M160Z150-P-D	2.25
SF32-120	32	44	53	120	58	48	M160Z150-P-D	2.10
SF32-160	32	44	53	160	58	48	M160Z150-P-D	2.60
SF32-200	32	44	53	200	58	48	M160Z150-P-D	2.80
<b>HSK100A-</b> SF6-85	6	21	27	85	36	26	M050Z150-D	2.00
SF6-130	6	21	27	130	36	26	M050Z150-D	2.30
SF6-160	6	21	27	160	36	26	M050Z150-D	2.62
SF6-200	6	21	27	200	36	26	M050Z150-D	2.90
SF8-85	8	21	27	85	36	26	M050Z150-D	2.00
SF8-130	8	21	27	130	36	26	M050Z150-D	2.30
SF8-160	8	21	27	160	36	26	M050Z150-D	2.65
SF8-200	8	21	27	200	36	26	M050Z150-D	2.93
SF10-90	10	24	32	90	42	32	M060Z150-D	2.20
SF10-130	10	24	32	130	42	32	M060Z150-D	2.40
SF10-160	10	24	32	160	42	32	M060Z150-D	2.70
SF10-200	10	24	32	200	42	32	M060Z150-D	3.10
SF12-95	12	24	32	95	47	37	M060Z150-D	2.30
SF12-130	12	24	32	130	47	37	M060Z150-D	2.50
SF12-160	12	24	32	160	47	37	M060Z150-D	2.75
SF12-200	12	24	32	200	47	37	M060Z150-D	3.15
SF14-95	14	27	34	95	47	37	M060Z150-D	2.35
SF14-130	14	27	34	130	47	37	M060Z150-D	2.60
SF14-160	14	27	34	160	47	37	M060Z150-D	2.85
SF14-200	14	27	34	200	47	37	M060Z150-D	3.25
SF16-100	16	27	34	100	50	40	M080Z150-P-D	2.50
SF16-130	16	27	34	130	50	40	M080Z150-P-D	2.80
SF16-160	16	27	34	160	50	40	M080Z150-P-D	3.13
SF16-200	16	27	34	200	50	40	M080Z150-P-D	3.35
SF18-100	18	33	42	100	50	40	M080Z150-P-D	2.55
SF18-130	18	33	42	130	50	40	M080Z150-P-D	2.85
SF18-160	18	33	42	160	50	40	M080Z150-P-D	3.21
SF18-200	18	33	42	200	50	40	M080Z150-P-D	3.45
SF20-105	20	33	42	105	52	42	M080Z150-P-D	2.60
SF20-130	20	33	42	130	52	42	M080Z150-P-D	2.90
SF20-160	20	33	42	160	52	42	M080Z150-P-D	3.25
SF20-200	20	33	42	200	52	42	M080Z150-P-D	3.50
SF25-115	25	44	53	115	58	48	M160Z150-P-D	2.80
SF25-160	25	44	53	160	58	48	M160Z150-P-D	3.40
SF25-200	25	44	53	200	58	48	M160Z150-P-D	4.50
SF32-120	32	44	53	120	58	48	M160Z150-P-D	3.20
SF32-160	32	44	53	160	58	48	M160Z150-P-D	3.60
SF32-200	32	44	53	200	58	48	M160Z150-P-D	4.70

### 特点 / Feature

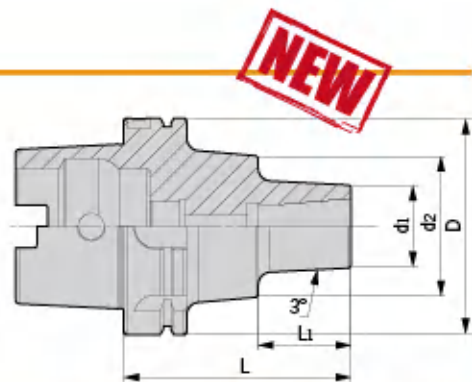
- 动平衡设定: G2.5; 25,000 rpm。
- 3D处径向跳动 ≤ 0.003 mm。
- Balanced: G2.5; 25,000 rpm;
- Runout (X3D): ≤ 0.003 mm.

# DSF/DC

HSK-A-DSF Shrink Fit Holder  
HSK-A-DSF 烧结式热装刀柄 (分体式)



MAX  
50,000  
min<sup>-1</sup>



型号 Specification	D	d1	d2	L	L1	拉紧螺钉 Tension Screw	止动螺母 Stop nut	T型扳手 Wrench	重量 Weight
HSK50A-DSF12-100	50	38	-	100	74	E100Z300	ZD12-1	T06-L	0.80
HSK63A-DSF12-100	63	38	-	100	74	E100Z300	ZD12-1	T06-L	1.00
DSF12-135	63	38	-	135	109	E100Z300	ZD12-1	T06-L	1.70
HSK100A-DSF12-105	100	38	65	105	43	E100Z300	ZD12-1	T06-L	3.40

注: 报价时含扳手。  
Notice: Wrench is included.

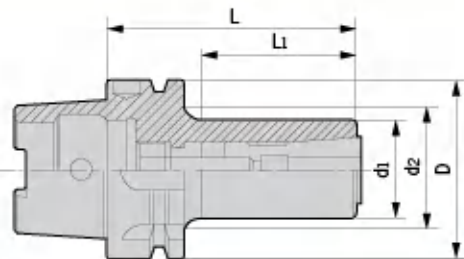
## 特点 / Feature

- 动平衡设定: G2.5; 25,000 rpm。 ■ Balanced: G2.5; 25,000 rpm;
- 3D处径向跳动 ≤ 0.003 mm。 ■ Runout (X3D): ≤ 0.003 mm.

HSK-A-DC Precision Slim Collet Chuck  
HSK-A-DC 小径精密筒夹刀柄



MAX  
50,000  
min<sup>-1</sup>



型号 Specification	D	d1	d2	L	L1	适用筒夹 Suit collet	拉紧螺钉 Tension screw	止动螺母 Stop nut	T型扳手 Wrench	重量 Weight
HSK50A-DC6-75	50	14	22.5	75	34	DC6	E050U250	ZD6-4	T04	0.67
DC6-100	50	14	29	100	48	DC6	E050U500	ZD6-4	T04	0.70
HSK63A-DC6-75	63	14	22.5	75	34	DC6	E050U200	ZD6-5	T04	0.80
DC6-95	63	14	29	95	45	DC6	E050U400	ZD6-5	T04	0.90
DC6-120	63	14	37	120	53	DC6	E050U650	ZD6-5	T04	1.10
DC6-150	63	14	40	150	80	DC6	E050U950	ZD6-5	T04	1.20
DC8-100	63	22	37	100	48	DC8	E060U400	ZD8-2	T05	1.10
DC10-110	63	28	45	110	55	DC10	E080U300	ZD10-2	T06-L	1.20
DC12-120	63	34	51.5	120	65	DC12	E100U350	ZD12-1	T08-L	1.30

注: 报价时含扳手, 筒夹需单独订购。  
Notice: Wrench is included, while collet shall be ordered separately.

## 特点 / Feature

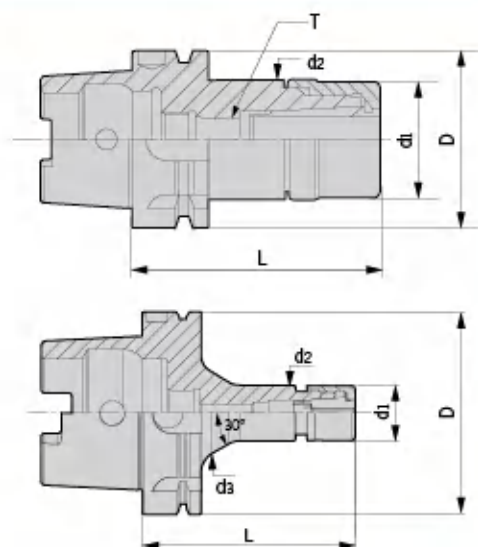
- 动平衡设定: G2.5; 30,000 rpm。 ■ Balanced: G2.5; 30,000 rpm;
- 3D处径向跳动 ≤ 0.003 mm。 ■ Runout (X3D): ≤ 0.003 mm.

# GSK

HSK-A-GSK High Precision Collet Chuck  
HSK-A-GSK 高速精密筒夹刀柄



MAX  
45,000  
min<sup>-1</sup>

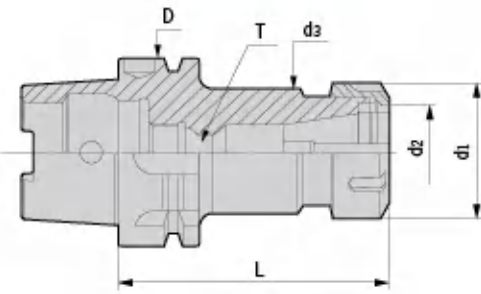


型号 Specification	图示 Figure	D	d1	d2	d3	a	L	T	适用筒夹 Suit collet	重量 Weight
HSK40A-GSK6-60	A	40	19.5	20	-	-	60	-	DSK6	0.47
GSK10-75	A	40	27	27.5	-	-	75	-	DSK10	0.50
HSK50A-GSK6-60	A	50	19.5	20	-	-	60	-	DSK6	0.60
GSK6-80P	A	50	19.5	20	-	-	80	M060F200	DSK6	0.80
GSK10-75	A	50	27	27.5	-	-	75	-	DSK10	1.00
GSK10-100P	A	50	27	27.5	-	-	100	M100F200	DSK10	1.20
GSK16-80	A	50	40	40.5	-	-	80	-	DSK16	1.75
GSK16-100P	A	50	40	40.5	-	-	100	M160F200	DSK16	2.00
GSK20-100	A	50	48	48.5	-	-	100	-	DSK20	2.10
HSK63A-GSK6-80P	A	63	19.5	20	-	-	80	M060F200	DSK6	0.85
GSK6-100P	A	63	19.5	20	-	-	100	M060F200	DSK6	0.95
GSK10-75	A	63	27	27.5	-	-	75	-	DSK10	1.00
GSK10-100P	A	63	27	27.5	-	-	100	M100F200	DSK10	1.40
GSK16-80	A	63	40	40.5	-	-	80	-	DSK16	2.00
GSK16-100P	A	63	40	40.5	-	-	100	M060F200	DSK16	2.30
GSK16-120P	A	63	40	40.5	-	-	120	M060F200	DSK16	2.50
GSK20-100	A	63	48	48.5	-	-	100	-	DSK20	2.45
GSK20-120P	A	63	48	48.5	-	-	120	M160F200	DSK20	2.65
GSK25-100	A	63	55	55	-	-	100	-	DSK25	2.30
GSK25-120P	A	63	55	55	-	-	120	M200F200-P2	DSK25	2.70
HSK100A-GSK10-105P	B	100	27	27.5	40.3	30°	105	M100F200	DSK10	2.60
GSK10-135P	B	100	27	27.5	40.3	30°	135	M100F200	DSK10	2.80
GSK16-105P	A	100	40	40.5	-	-	105	M160F200	DSK16	2.80
GSK16-135P	A	100	40	40.5	-	-	135	M160F200	DSK16	3.10
GSK20-120P	A	100	48	48.5	-	-	120	M160F200	DSK20	3.00
GSK20-150P	A	100	48	48.5	-	-	150	M160F200	DSK20	3.30
GSK25-120P	A	100	55	55	-	-	120	M200F200-P2	DSK25	3.20
GSK25-150P	A	100	55	55	-	-	150	M200F200-P2	DSK25	3.50

注: "T" 轴向限位螺钉、筒夹与扳手需单独另购。  
Notice: "T" Axial fix screw, collets and wrenches shall be ordered separately.

## 特点 / Feature

- 动平衡设定: G2.5; 25,000 rpm。 ■ Balanced: G2.5; 25,000 rpm;
- 3D处径向跳动 ≤ 0.005 mm。 ■ Runout (X3D): ≤ 0.005 mm.



型号 Specification	D	d1	d2	L	T	重量 Weight	
HSK40A-	ER20-80	40	34	20	80	-	0.55
	ER25-80	40	42	25	80	-	0.65
	ER32-100	40	50	32	100	M160F200	0.90
HSK50A-	ER16-75	50	28	16	75	-	0.50
	ER16-100	50	28	16	100	M100F200	0.60
	ER20-75	50	34	20	75	-	0.70
	ER20-100	50	34	20	100	M120F200	0.90
	ER25-80	50	42	25	80	-	1.00
	ER25-100	50	42	25	100	M160F200	1.10
	ER25-135	50	42	25	135	M160F200	1.40
	ER32-100	50	50	32	100	-	1.45
	ER32-135	50	50	32	135	M160F200	1.90
	ER32-160	50	50	32	160	M160F200	2.40
HSK63A-	ER16-75	63	28	16	75	-	1.00
	ER16-100	63	28	16	100	M100F200	1.10
	ER16-120	63	28	16	120	M100F200	1.20
	ER16-160	63	28	16	160	M100F200	1.40
	ER20-80	63	34	20	80	-	1.00
	ER20-100	63	34	20	100	M120F200	1.20
	ER20-120	63	34	20	120	M120F200	1.30
	ER20-160	63	34	20	160	M120F200	1.70
	ER25-80	63	42	25	80	-	1.10
	ER25-100	63	42	25	100	M160F200	1.40
	ER25-120	63	42	25	120	M160F200	1.80
	ER25-150	63	42	25	150	M160F200	2.00
	ER32-100	63	50	32	100	-	1.60
	ER32-125	63	50	32	125	M160F200	2.00
	ER32-160	63	50	32	160	M160F200	2.50
	ER40-100	63	63	40	100	-	2.40
	ER40-120	63	63	40	120	M200F200-P2	2.60
ER40-160	63	63	40	160	M200F200-P2	2.95	
HSK100A-	ER16-100	100	28	16	100	M100F200	3.40
	ER16-160	100	28	16	160	M100F200	3.70
	ER20-100	100	34	20	100	M120F200	3.50
	ER20-160	100	34	20	160	M120F200	3.90
	ER25-100	100	42	25	100	M160F200	3.70
	ER25-160	100	42	25	160	M160F200	4.20
	ER25-200	100	42	25	200	M160F200	4.70
	ER32-100	100	50	32	100	-	3.90
	ER32-160	100	50	32	160	M160F200	4.70
	ER32-200	100	50	32	200	M160F200	5.20

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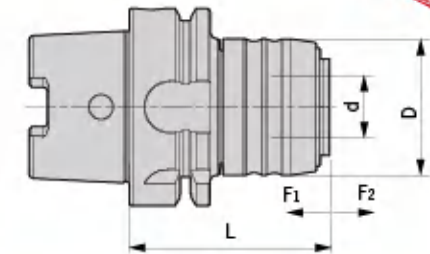
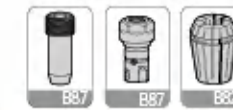
型号 Specification	D	d1	d2	L	L1	T	重量 Weight	
HSK100A-	ER40-100	100	63	40	100	71	M200F200-P2	4.30
	ER40-160	100	63	40	160	131	M200F200-P2	5.00
	ER40-200	100	63	40	200	171	M200F200-P2	5.60

注：筒夹和扳手需单独订购。  
Notice: Collets and wrenchs shall be ordered separately.

### 特点 / Feature

- 动平衡设定: G6.3; 15,000 rpm.
- 3D处径向跳动 ≤ 0.01 mm.
- Balanced: G6.3; 15,000 rpm;
- Runout (X3D): ≤ 0.01 mm.

### HSK-A-VER Split Synch Tapping Chuck HSK-A-VER 分体式微补偿攻牙刀柄



**NEW**

型号 Specification	D	d	L	F1	F2	攻牙能力 Tapping capacity	适用延长杆 Suit extender	重量 Weight	
HSK40A-	VER16-69	43.5	20	69	0.2	1	M3-M12	VER16-M24	0.54
	VER20-80	52	25	80	0.2	1	M5-M16	VER20-M26	0.59
	VER25-90	60	32	90	0.2	1	M6-M20	VER25-M28	0.65
HSK50A-	VER16-70	43.5	20	70	0.2	1	M3-M12	VER16-M24	0.66
	VER20-87	52	25	87	0.2	1	M5-M16	VER20-M26	0.80
	VER25-97	60	32	97	0.2	1	M6-M20	VER25-M28	0.96
HSK63A-	VER16-64	43.5	20	64	0.2	1	M3-M12	VER16-M24	0.88
	VER20-87	52	25	87	0.2	1	M5-M16	VER20-M26	1.06
	VER25-97	60	32	97	0.2	1	M6-M20	VER25-M28	1.21
	VER32-113	72	40	113	0.2	1	M10-M24	VER32-M30	1.61
	VER40-122	87	50	122	0.2	1	M14-M33	VER40-M32	1.85
HSK100A-	VER16-70	43.5	20	70	0.2	1	M3-M12	VER16-M24	3.21
	VER20-82	52	25	82	0.2	1	M5-M16	VER20-M26	3.58
	VER25-91	60	32	91	0.2	1	M6-M20	VER25-M28	3.95
	VER32-110	72	40	110	0.2	1	M10-M24	VER32-M30	4.25
	VER40-115	87	50	115	0.2	1	M14-M33	VER40-M32	4.45

注：延长杆、筒夹和扳手需单独订购。  
Notice: Extender, collets and wrenchs shall be ordered separately.

### 特点 / Feature

- 显著提高丝锥使用寿命80%以上。
- 有效提高加工生产效率2-4倍。
- 明显提高表面加工质量与精度。
- 选用ER攻丝专用筒夹夹持。
- 无需依赖设备精度。
- 挤压丝锥首选。
- Tap tool life increased by 80% and above;
- Work efficiency increased 2 to 4 times;
- Better workpiece surface quality;
- With ER tapping collet;
- Best choice for squeeze taps.

加工中心刀柄  
TOOL HOLDERS

HSK-A-ER  
弹性筒夹刀柄

HSK-A-ER  
弹性筒夹刀柄

HSK-A-ER  
弹性筒夹刀柄

HSK-A-ER  
弹性筒夹刀柄

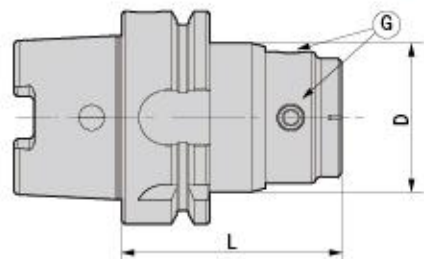
HSK-A-ER  
弹性筒夹刀柄

HSK-A-ER  
弹性筒夹刀柄

# TPG/TPM

HSK-A-TPG Split Rigid Tapping Chuck  
HSK-A-TPG 分体式刚性攻牙刀柄

**NEW**



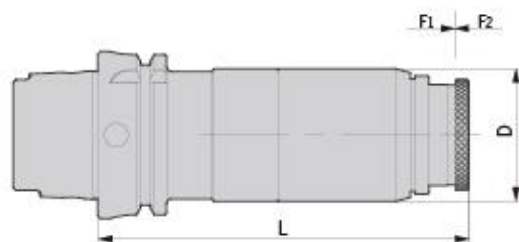
型号 Specification	D	L	G	适用筒夹 Suit collet	L型扳手 Wrench	攻牙能力 Tapping capacity	重量 Weight
<b>HSK63A-TPG312</b>	44	65	M080Z100-30P	TPE312	L04D	M3-M12	0.89
TPG1022	56	94	M100Z120-30P	TPE1024	L05D	M10-M24	1.54
<b>HSK100A-TPG312</b>	44	70	M080Z100-30P	TPE312	L04D	M3-M12	2.31
TPG1022	56	80	M100Z120-30P	TPE1024	L05D	M10-M24	2.48

注：筒夹需单独订购。  
Notice: Collets shall be ordered separately.

## 特点 / Feature

- 采用法兰接触设计，以求更优秀的刚性和同心度。
- 支持丝锥快速更换。
- 中心内冷设计。
- 筒夹长度6种选择（33~200mm）。
- Flange design, supply for better synchrony & rigidity.
- Quick assembling for taps.
- With internal coolant system.
- 6 sizes available for tapping collet (33~200mm).

HSK-TPM Tapping Chuck With High Rigidity  
HSK-TPM 扭力伸缩攻牙刀柄



型号 Specification	D	F1	F2	L	适用筒夹 Suit collet	攻牙能力 Tapping capacity	重量 Weight
<b>HSK63A-TPM316</b>	50	10	20	140	TPD316	M3-M16	1.79
TPM830	66	10	25	170	TPD830	M8-M30	2.78
<b>HSK100A-TPM316</b>	50	10	20	145	TPD316	M3-M16	3.16
TPM830	66	10	25	175	TPD830	M8-M30	4.39

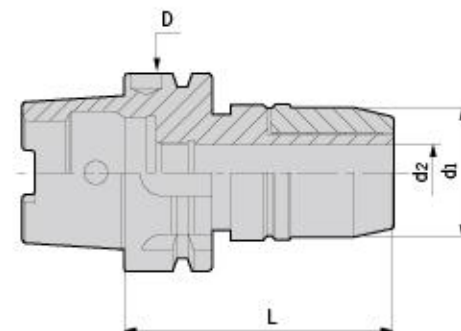
注：筒夹需单独订购。  
Notice: Collets shall be ordered separately.

# HPM

HSK-A-HPM High-Speed Power Chuck  
HSK-A-HPM 高速强力刀柄



MAX  
30,000  
min<sup>-1</sup>



型号 Specification	夹持范围 Clamping range	D	d1	d2	L	适用筒夹 Suit collet	重量 Weight
<b>HSK50A-HPM16-80</b>	3-16	50	46	16	80	SC16	1.00
<b>HSK63A-HPM16-80</b>	3-16	63	46	16	80	SC16	1.30
HPM16-100	3-16	63	46	16	100	SC16	1.50
HPM20-110	6-20	63	55	20	110	SC20	1.70
HPM32-110	6-32	63	68	32	110	SC32	2.50
<b>HSK100A-HPM16-115</b>	3-16	100	46	16	115	SC16	3.60
HPM20-105	6-20	100	55	20	105	SC20	4.20
HPM32-105	6-32	100	68	32	105	SC32	4.50
HPM32-135	6-32	100	68	32	135	SC32	5.00

注：扳手和筒夹需单独订购。  
Notice: Wrench and collets shall be ordered separately.

## 特点 / Feature

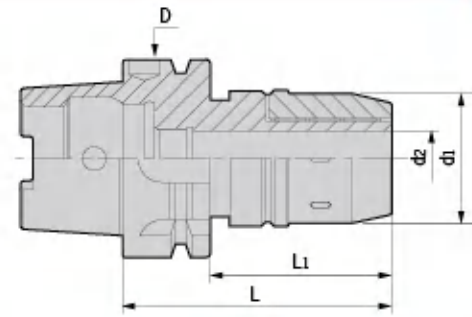
- 动平衡设定: G2.5; 20,000 rpm.
- 3D处径向跳动 ≤ 0.01mm.
- Balanced: G2.5; 20,000 rpm;
- Runout (X3D): ≤ 0.01mm.

# HPC

HSK-A-HPC High-Speed Power Chuck  
HSK-A-HPC 高速强力刀柄



MAX  
30,000  
min<sup>-1</sup>



型号 Specification	夹持范围 Clamping range	D	d1	d2	L1	L	适用筒夹 Suit collet	重量 Weight	
HSK63A-	HPC16-80	6-16	63	50	16	54	80	SC16	1.28
	HPC16-110	6-16	63	50	16	84	110	SC16	1.64
	HPC20-110	6-20	63	51.5	20	84	110	SC20	1.70
	HPC25-110	6-25	63	61	25	84	110	SC25	1.99
	HPC25-145	6-25	63	61	25	119	145	SC25	2.76
	HPC32-110	6-32	63	70.5	32	84	110	SC32	2.20
HSK100A-	HPC16-85	6-16	100	50	16	56	85	SC16	2.66
	HPC16-115	6-16	100	50	16	86	115	SC16	3.05
	HPC20-105	6-20	100	51.5	20	76	105	SC20	4.10
	HPC25-95	6-25	100	61	25	66	95	SC25	3.11
	HPC25-115	6-25	100	61	25	86	115	SC25	3.45
	HPC25-125	6-25	100	61	25	96	125	SC25	3.68
	HPC25-150	6-25	100	61	25	121	150	SC32	4.23
	HPC32-105	6-32	100	70.5	32	76	105	SC32	4.90
	HPC32-135	6-32	100	70.5	32	106	135	SC32	5.80
	HPC32-165	6-32	100	70.5	32	136	165	SC32	6.70
	HPC42-115	6-42	100	86	42	86	115	SC42	5.50

注：报价时含扳手，筒夹需单独订购。  
Notice: Wrench is included, while collet shall be ordered separately.

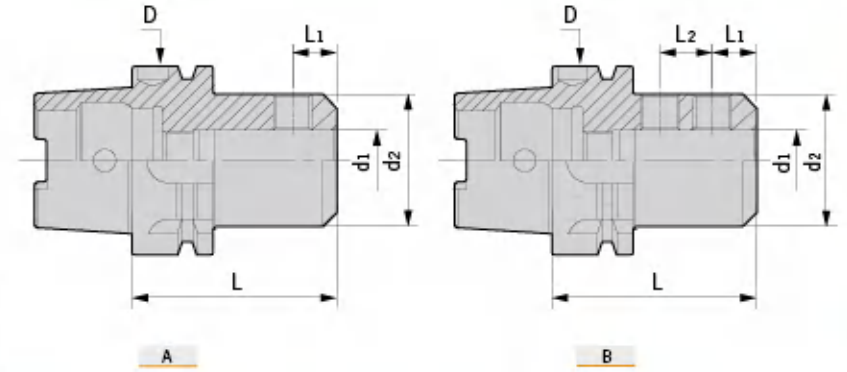
## 特点 / Feature

- 动平衡设定: G6.3; 15,000 rpm.
- 3D处径向跳动 ≤ 0.01mm.

- Balanced: G6.3; 15,000 rpm;
- Runout (X3D): ≤ 0.01 mm.

# SLN

HSK-A-SLN Side-lock Holder  
HSK-A-SLN侧固式刀柄

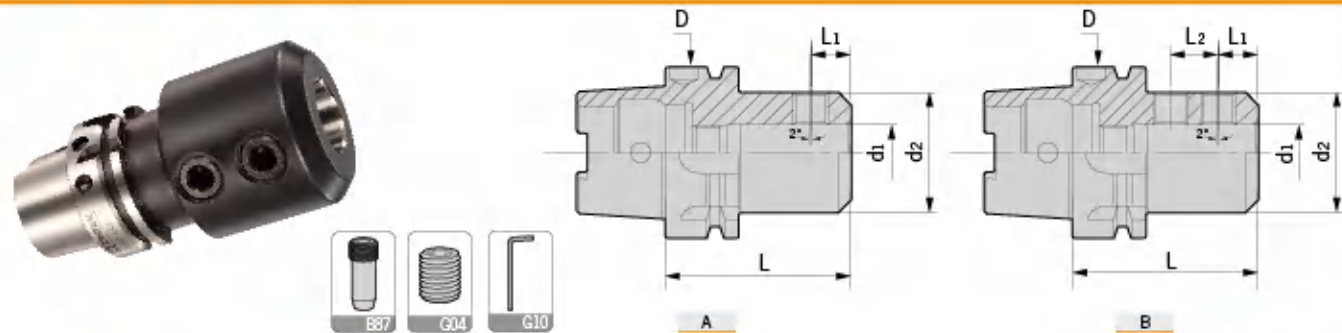


型号 Specification	图示 Figure	D	d1	d2	L	L1	L2	侧面压紧螺钉 Side-lock screw	重量 Weight	
HSK50A-	SLN6-65	A	50	6	25	65	18	-	M060U100	0.70
	SLN8-65	A	50	8	28	65	18	-	M080U100	0.80
	SLN10-65	A	50	10	35	65	20	-	M100U120	0.80
	SLN12-80	A	50	12	41.5	80	22.5	-	M120U160	1.20
	SLN16-80	A	50	16	48	80	24	-	M140U160	1.30
	SLN20-80	A	50	20	52	80	25	-	M160U160	1.50
HSK63A-	SLN6-65	A	63	6	25	65	18	-	M060U100	0.90
	SLN6-100	A	63	6	25	100	18	-	M060U100	1.30
	SLN8-65	A	63	8	28	65	18	-	M080U100	1.00
	SLN8-100	A	63	8	28	100	18	-	M080U100	1.40
	SLN10-65	A	63	10	35	65	20	-	M100U120	1.00
	SLN10-100	A	63	10	35	100	20	-	M100U120	1.50
	SLN12-80	A	63	12	42	80	22.5	-	M120U160	1.70
	SLN12-120	A	63	12	42	120	22.5	-	M120U160	2.00
	SLN16-80	A	63	16	48	80	24	-	M140U160	1.70
	SLN16-120	A	63	16	48	120	24	-	M140U160	2.10
	SLN20-80	A	63	20	52	80	25	-	M160U160	1.80
	SLN20-120	A	63	20	52	120	25	-	M160U160	2.40
HSK100A-	SLN25-110	B	63	25	65	110	24	25	M180Z200P	2.50
	SLN25-160	B	63	25	65	160	24	25	M180Z200P	2.65
	SLN32-110	B	63	32	72	110	24	28	M200Z200P	2.70
	SLN32-160	B	63	32	72	160	24	28	M200Z200P	3.00
	SLN6-80	A	100	6	25	80	18	-	M060U100	3.00
	SLN6-130	A	100	6	25	130	18	-	M060U100	3.20
	SLN8-80	A	100	8	28	80	18	-	M080U100	3.20
	SLN8-130	A	100	8	28	130	18	-	M080U100	3.40
	SLN10-80	A	100	10	35	80	20	-	M100U120	3.40
	SLN10-130	A	100	10	35	130	20	-	M100U120	3.70
	SLN12-80	A	100	12	42	80	22.5	-	M120U160	3.40
	SLN12-130	A	100	12	42	130	22.5	-	M120U160	3.70
SLN16-100	A	100	16	48	100	24	-	M140U160	3.80	
SLN16-160	A	100	16	48	160	24	-	M140U160	4.10	
SLN20-100	A	100	20	52	100	25	-	M160U160	3.90	
SLN20-160	A	100	20	52	160	25	-	M160U160	3.80	
SLN25-100	B	100	25	65	100	24	25	M180Z200P	4.00	
SLN25-160	B	100	25	65	160	24	25	M180Z200P	4.40	
SLN32-100	B	100	32	72	100	24	28	M200Z200P	4.10	
SLN32-160	B	100	32	72	160	24	28	M200Z200P	4.50	

注：扳手需单独订购。  
Notice: Wrenches shall be ordered separately.

# SLNB/MTA

HSK-A-SLNB Side-lock Holder  
HSK-A-SLNB侧固式刀柄



型号 Specification	图示 Figure	D	d1	d2	L	L1	L2	侧面压紧螺钉 Side-lock screw	重量 Weight	
HSK63A-	SLNB6-80	A	63	6	25	80	18	-	M060U100	0.90
	SLNB8-80	A	63	8	28	80	18	-	M080U100	1.00
	SLNB10-80	A	63	10	35	80	20	-	M100U120	1.00
	SLNB12-90	A	63	12	42	90	22.5	-	M120U140	1.70
	SLNB16-100	A	63	16	48	100	24	-	M140U160	1.70
	SLNB20-100	A	63	20	52	100	25	-	M160U160	1.80
	SLNB25-110	B	63	25	65	110	24	22	M180Z200P	2.50
	SLNB32-110	B	63	32	72	110	24	24	M200Z180P	2.70
HSK100A-	SLNB6-90	A	100	6	25	90	18	-	M060U080	3.00
	SLNB8-90	A	100	8	28	90	18	-	M080U080	3.20
	SLNB10-90	A	100	10	35	90	20	-	M100U120	3.40
	SLNB12-100	A	100	12	42	100	22.5	-	M120U140	3.40
	SLNB16-100	A	100	16	48	100	24	-	M140U160	3.80
	SLNB20-110	A	100	20	52	110	25	-	M160U250	3.90
	SLNB25-120	B	100	25	65	120	24	22	M180Z200P	4.00
	SLNB32-120	B	100	32	72	120	24	24	M200Z200P	4.10

注：报价时含扳手，筒夹需单独订购。  
Notice: Wrenches shall be ordered separately.

HSK-A-MTA Morse Taper Adapter  
HSK-A-MTA莫式锥套刀柄（钻头套筒）



型号 Specification	D	d1	d2	L	重量 Weight	
HSK50A-	MTA1-100	50	25	12.065	100	1.50
	MTA2-120	50	32	17.780	120	1.80
	MTA3-140	50	40	23.825	140	1.90
HSK63A-	MTA1-100	63	25	12.065	100	1.90
	MTA2-120	63	32	17.780	120	2.00
	MTA3-140	63	40	23.825	140	2.20
	MTA4-160	63	48	31.267	160	2.50
HSK100A-	MTA1-110	100	25	12.065	110	3.40
	MTA2-120	100	32	17.780	120	3.80
	MTA3-150	100	40	23.825	150	4.00
	MTA4-170	100	48	31.267	170	4.60
	MTA5-200	100	63	44.299	200	5.20

# SPU/FMB

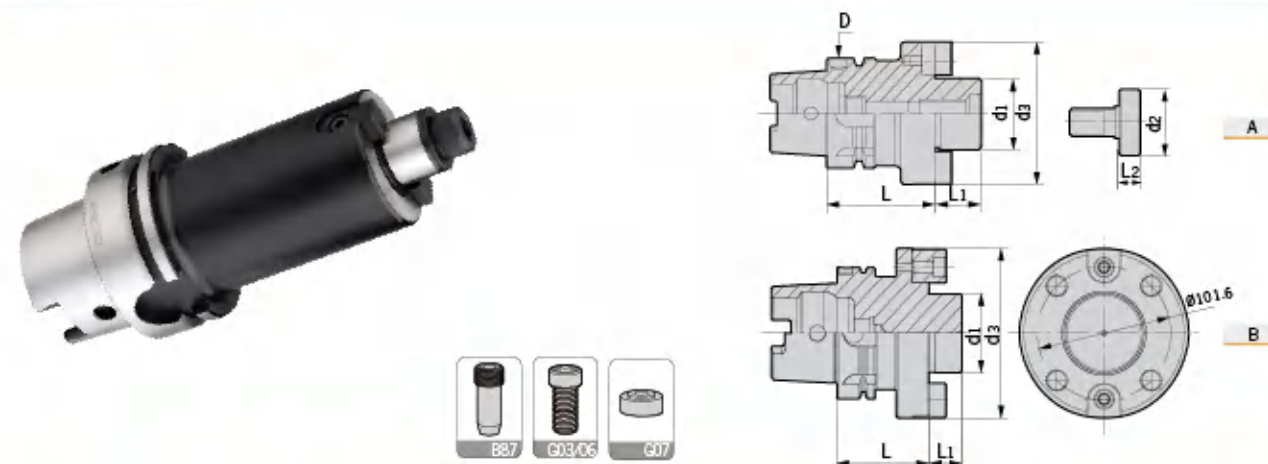
HSK-A-SPU Drill Chuck Holder  
HSK-A-SPU直结式钻夹头刀柄



型号 Specification	D	d1	d2	L	偏摆精度 3D	重量 Weight	
HSK50A- SPU8-120	50	37	8	120	0.05	1.61	
HSK63A-	SPU13-150	63	50	13	150	0.05	2.65
	SPU16-155	63	57	16	155	0.05	3.12
HSK100A-	SPU13-155	100	50	13	155	0.05	4.23
	SPU16-160	100	57	16	160	0.05	4.55

注：报价时含扳手。  
Notice: Wrench is included.

HSK-A-FMB Face Mill Holder  
HSK-A-FMB平面铣刀柄



型号 Specification	图示 Figure	D	d1	d2	d3	L	L1	L2	刀盘锁紧螺钉 Locking screw for cutter	垫圈 Washer	重量 Weight	
HSK50A-	FMB22-60	A	50	22	26	48	60	18	14	E100U300	-	1.00
	FMB27-60	A	50	27	31.5	60	60	20	16	E120U300	FM-1	1.10
HSK63A-	FMB22-50	A	63	22	26	48	50	18	-	E100U300	-	1.30
	FMB22-100	A	63	22	26	48	100	18	-	E100U300	-	1.80
	FMB27-60	A	63	27	31.5	60	60	20	16	E120U300	FM-1	1.60
	FMB27-100	A	63	27	31.5	60	100	20	16	E120U300	FM-1	2.30
	FMB32-60	A	63	32	41	78	60	22	16	E160U350	FM-2	2.00
	FMB32-100	A	63	32	41	78	100	22	16	E160U350	FM-2	2.80
HSK100A-	FMB40-60	A	63	40	48	80	60	25	20.5	E160U350	FM-3	2.20
	FMB22-50	A	100	22	26	48	50	18	14	E100U300	-	2.90
	FMB22-100	A	100	22	26	48	100	18	14	E100U300	-	3.90
	FMB27-50	A	100	27	31.5	60	50	20	16	E120U300	FM-1	2.90
	FMB27-100	A	100	27	31.5	60	100	20	16	E120U300	FM-1	3.70
	FMB32-50	A	100	32	41	78	50	22	16	E160Z350-40	-	3.80
	FMB32-100	A	100	32	41	78	100	22	16	E160Z350-40	-	4.80
	FMB40-60	A	100	40	48	80	60	25	20.5	E200Z350-50	-	4.10
	FMB40-100	A	100	40	48	80	100	25	20.5	E200Z350-50	-	4.90
	FMB60F-70	B	100	60	-	129	70	32	-	E160U500	-	5.50

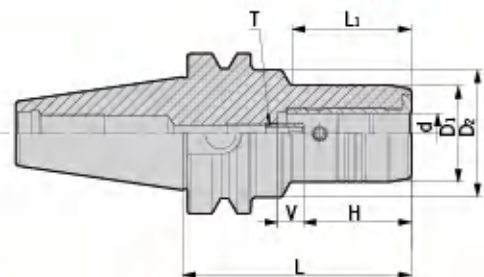
# DHP

BT-DHP Hydraulic Chuck  
BT-DHP 液压刀柄

**NEW**



MAX  
30,000  
min<sup>-1</sup>



型号 Specification	d	D1	D2	L	H	V	L1	T	压紧螺钉 Insert Screw	适用筒夹 Suit collet	扳手 Wrench	重量 Weight
<b>BT30-</b> DHP6-70	6	28	45	70	27.5	10	28	M050Z150-D	M080U120-D	-	T04-L	0.68
DHP8-70	8	30	45	70	27.5	10	30	M060Z150-D	M080U140-D	-	T04-L	0.71
DHP10-75	10	32	45	75	32.5	10	38	M060Z150-D	M080U140-D	-	T04-L	0.73
DHP12-75	12	34	45	75	37.5	10	36	M060Z150-D	M080U120-D	D12/OD12	T04-L	0.78
DHP14-85	14	36	45	85	37.5	10	44	M060Z150-D	M080U140-D	-	T04-L	0.83
DHP16-90	16	38	45	90	42.5	10	48	M080Z150P-D	M080U140-D	-	T04-L	0.92
DHP18-90	18	41	45	90	42.5	10	48	M080Z150P-D	M080U140-D	-	T04-L	0.95
DHP20-90	20	43	-	90	42.5	10	-	M080Z150P-D	M080U140-D	D20/OD20	T04-L	0.98
<b>BT40-</b> DHP6-65	6	28	50	65	27.5	10	23	M050Z150-D	M080U120-D	-	T04-L	1.26
DHP6-90	6	28	50	90	27.5	10	44	M050Z150-D	M080U120-D	-	T04-L	1.42
DHP6-140	6	28	50	140	27.5	10	44	M050Z150-D	M080U120-D	-	T04-L	2.16
DHP8-65	8	30	50	65	27.5	10	30	M060Z150-D	M080U140-D	-	T04-L	1.26
DHP8-90	8	30	50	90	27.5	10	39	M060Z150-D	M080U140-D	-	T04-L	1.43
DHP8-140	8	30	50	140	27.5	10	44	M060Z150-D	M080U140-D	-	T04-L	2.20
DHP10-65	10	32	50	65	32.5	10	23	M060Z150-D	M080U140-D	-	T04-L	1.26
DHP10-90	10	32	50	90	32.5	10	44	M060Z150-D	M080U140-D	-	T04-L	1.45
DHP10-140	10	32	50	140	32.5	10	44	M060Z150-D	M080U140-D	-	T04-L	2.40
DHP12-65	12	34	50	65	37.5	10	23	M060Z150-D	M080U120-D	D12/OD12	T04-L	1.26
DHP12-90	12	34	50	90	37.5	10	44	M060Z150-D	M080U120-D	D12/OD12	T04-L	1.46
DHP12-140	12	34	50	140	37.5	10	44	M060Z150-D	M080U120-D	D12/OD12	T04-L	2.60
DHP14-65	14	36	50	65	37.5	10	23	M060Z150-D	M080U140-D	-	T04-L	1.26
DHP14-90	14	36	50	90	37.5	10	44	M060Z150-D	M080U140-D	-	T04-L	1.48
DHP14-140	14	36	50	140	37.5	10	44	M060Z150-D	M080U140-D	-	T04-L	2.80
DHP16-65	16	38	50	65	42.5	10	23	M080Z150P-D	M080U140-D	-	T04-L	1.27
DHP16-90	16	38	50	90	42.5	10	48	M080Z150P-D	M080U140-D	-	T04-L	1.50
DHP16-140	16	38	50	140	42.5	10	48	M080Z150P-D	M080U140-D	-	T04-L	2.80
DHP18-75	18	41	50	75	42.5	10	30	M080Z150P-D	M080U140-D	-	T04-L	1.35
DHP18-90	18	41	50	90	42.5	10	48	M080Z150P-D	M080U140-D	-	T04-L	1.53
DHP18-140	18	41	50	140	42.5	10	48	M080Z150P-D	M080U140-D	-	T04-L	2.85
DHP25-100	25	57	-	100	51	10	73	M160Z150P-D	M100U120-D	-	T05-L	2.05
DHP25-135	25	57	-	135	51	10	108	M160Z150P-D	M100U120-D	-	T05-L	2.75
DHP32-105	32	63	-	100	55	10	-	M160Z150P-D	M100U180-D	D32/OD32	T05-L	2.28
DHP32-135	32	63	-	135	55	10	-	M160Z150P-D	M100U180-D	D32/OD32	T05-L	2.95

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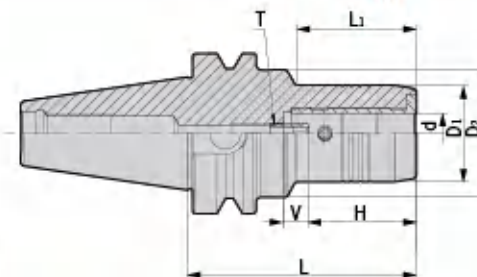
# DHP

BT-DHP Hydraulic Chuck  
BT-DHP 液压刀柄

**NEW**



MAX  
30,000  
min<sup>-1</sup>



型号 Specification	d	D1	D2	L	H	V	L1	T	压紧螺钉 Insert Screw	适用筒夹 Suit collet	扳手 Wrench	重量 Weight
<b>BT50-</b> DHP6-90	6	28	50	90	27.5	10	23	M050Z150-D	M080U120-D	-	T04-L	4.03
DHP6-120	6	28	50	120	27.5	10	44	M050Z150-D	M080U120-D	-	T04-L	4.35
DHP6-140	6	28	50	140	27.5	10	44	M050Z150-D	M080U120-D	-	T04-L	4.65
DHP8-90	8	30	50	90	27.5	10	30	M060Z150-D	M080U140-D	-	T04-L	4.05
DHP8-120	8	30	50	120	27.5	10	40	M060Z150-D	M080U140-D	-	T04-L	4.42
DHP8-140	8	30	50	140	27.5	10	44	M060Z150-D	M080U140-D	-	T04-L	4.68
DHP10-90	10	32	50	90	32.5	10	23	M060Z150-D	M080U140-D	-	T04-L	4.06
DHP10-120	10	32	50	120	32.5	10	44	M060Z150-D	M080U140-D	-	T04-L	4.41
DHP10-140	10	32	50	140	32.5	10	44	M060Z150-D	M080U140-D	-	T04-L	4.71
DHP12-90	12	34	50	90	37.5	10	23	M060Z150-D	M080U120-D	D12/OD12	T04-L	4.07
DHP12-120	12	34	50	120	37.5	10	44	M060Z150-D	M080U120-D	D12/OD12	T04-L	4.43
DHP12-140	12	34	50	140	37.5	10	44	M060Z150-D	M080U120-D	D12/OD12	T04-L	4.73
DHP14-90	14	36	50	90	37.5	10	23	M060Z150-D	M080U140-D	-	T04-L	4.07
DHP14-120	14	36	50	120	37.5	10	44	M060Z150-D	M080U140-D	-	T04-L	4.43
DHP14-140	14	36	50	140	37.5	10	44	M060Z150-D	M080U140-D	-	T04-L	4.72
DHP16-90	16	38	50	90	42.5	10	23	M080Z150P-D	M080U140-D	-	T04-L	4.08
DHP16-120	16	38	50	120	42.5	10	48	M080Z150P-D	M080U140-D	-	T04-L	4.43
DHP16-140	16	38	50	140	42.5	10	48	M080Z150P-D	M080U140-D	-	T04-L	4.73
DHP18-90	18	41	50	90	42.5	10	32	M080Z150P-D	M080U140-D	-	T04-L	4.10
DHP18-120	18	41	50	120	42.5	10	48	M080Z150P-D	M080U140-D	-	T04-L	4.47
DHP18-140	18	41	50	140	42.5	10	48	M080Z150P-D	M080U140-D	-	T04-L	4.75
DHP20-90	20	43	50	90	42.5	10	32	M080Z150P-D	M080U140-D	D20/OD20	T04-L	4.11
DHP20-120	20	43	50	120	42.5	10	48	M080Z150P-D	M080U140-D	D20/OD20	T04-L	4.50
DHP20-140	20	43	50	140	42.5	10	48	M080Z150P-D	M080U140-D	D20/OD20	T04-L	4.79
DHP25-105	25	57	-	105	51	10	67	M160Z150P-D	M100U120-D	-	T05-L	4.60
DHP25-150	25	57	-	150	51	10	112	M160Z150P-D	M100U120-D	-	T05-L	5.40
DHP32-115	32	63	-	115	55	10	77	M160Z150P-D	M100U180-D	D32/OD32	T05-L	4.85
DHP32-150	32	63	-	150	55	10	112	M160Z150P-D	M100U180-D	D32/OD32	T05-L	5.67

注：报价时含扳手，筒夹需单独订购。  
Notice: Wrench is included, while collet shall be ordered separately.

### 特点 / Feature

- DHP刀具系列用途高速、高精密切削加工，切削效果佳。
- 动平衡设定: G2.5; 20,000 rpm.
- 3D处径向跳动 ≤ 0.003 mm.

- For high-speed and high precision cutting;
- Balanced: G2.5; 20,000 rpm;
- Runout (X3D): ≤ 0.003 mm.

加工中心刀柄  
TOOL HOLDERS

加工中心刀柄  
TOOL HOLDERS

筒夹  
COLLET

筒夹  
COLLET

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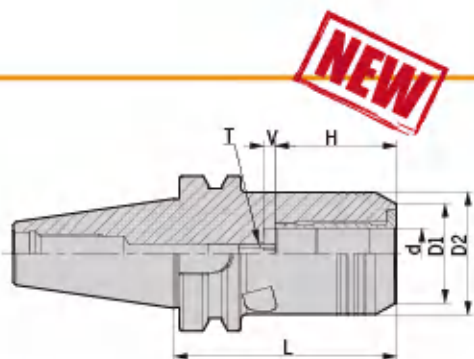
筒夹  
COLLET

# DHP

## BT-DHP Short Design Hydraulic Chuck BT-DHP 短款液压刀柄



MAX  
30,000  
min<sup>-1</sup>



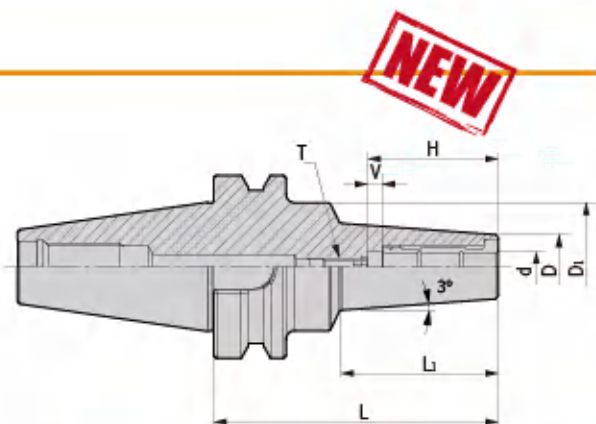
**NEW**

型号 Specification	d	D1	D2	L	H	V	T	压紧螺钉 Insert Screw	适用筒夹 Suit collet	扳手 Wrench	重量 Weight
BT30-DHP20P-85	20	40	44	85	42.5	10	M080Z150P-D	M080U140-D	D20/OD20	T04-L	0.96
BT40-DHP20P-72.5	20	40	49.5	72.5	42.5	10	M080Z150P-D	M080U140-D	D20/OD20	T04-L	1.46
BT50-DHP32P-90	32	60	72	90	55	10	M160Z150P-D	M100U180-D	D32/OD32	T05-L	4.64

## BT-DHP Super Slim Hydraulic Chuck BT-DHP 超细长液压刀柄



MAX  
30,000  
min<sup>-1</sup>



**NEW**

型号 Specification	d	D	D1	H	V	L	L1	T	压紧螺钉 Insert Screw	适用筒夹 Suit collet	T型加长扳手 Wrench-T	重量 Weight
BT30-DHP4S-85	4	11	46	24	-	85	42	-	M080U120-D	-	T04-L	0.70
DHP6S-115	6	13	46	40	10	115	74	M050Z150-D	M080U120-D	-	T04-L	0.90
DHP8S-115	8	15	46	40	10	115	74	M060Z150-D	M080U140-D	-	T04-L	0.90
BT40-DHP4S-90	4	11	46	24	-	90	42	-	M080U120-D	-	T04-L	1.10
DHP4S-120	4	11	46	24	-	120	72	-	M080U120-D	-	T04-L	1.30
DHP6S-120	6	13	46	40	10	120	74	M050Z150-D	M080U120-D	-	T04-L	1.40
DHP6S-150	6	13	46	40	10	150	104	M050Z150-D	M080U120-D	-	T04-L	1.50
DHP8S-120	8	15	46	40	10	120	74	M060Z150-D	M080U140-D	-	T04-L	1.40
DHP8S-150	8	15	46	40	10	150	104	M060Z150-D	M080U140-D	-	T04-L	1.50
DHP10S-120	10	17	46	41	10	120	74	M080Z150P-D	M080U140-D	-	T04-L	1.40
DHP10S-150	10	17	46	41	10	150	104	M080Z150P-D	M080U140-D	-	T04-L	1.50
DHP12S-120	12	19	46	46	10	120	75	M080Z150P-D	M080U120-D	D12/OD12	T04-L	1.40
DHP12S-150	12	19	46	46	10	150	105	M080Z150P-D	M080U120-D	D12/OD12	T04-L	1.50

注: 报价时含扳手, 筒夹需单独订购。  
Notice: Wrench is included, while collet shall be ordered separately.

### 特点 / Feature

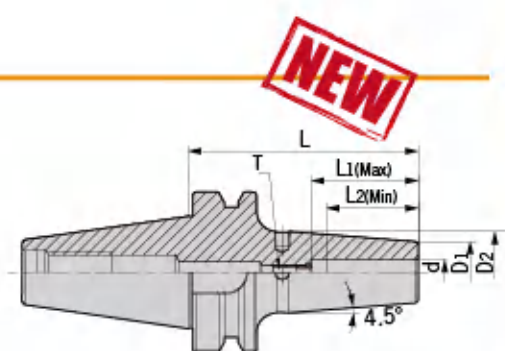
- DHP刀具系列用途高转速、高精密切削加工, 切削效果佳。
- 动平衡设定: G2.5; 25,000 rpm.
- 3D处径向跳动 ≤ 0.003 mm.
- For high-speed and high precision cutting;
- Balanced: G2.5; 25,000 rpm;
- Runout (X3D): ≤ 0.003 mm.

# SF

## BT-SF Shrink Fit Holder BT-SF 烧结式热装刀柄 (一体式)



MAX  
50,000  
min<sup>-1</sup>



**NEW**

型号 Specification	d	D1	D2	L	L1 (Max)	L2 (Min)	T	重量 Weight
BT30-SF3-80	3	10	10	80	-	9	-	0.35
SF4-80	4	10	10	80	-	12	-	0.40
SF5-80	5	10	10	80	-	15	-	0.43
SF6-80	6	21	27	80	36	26	M050Z150-D	0.45
SF8-80	8	21	27	80	36	26	M060Z150-D	0.50
SF10-80	10	24	32	80	42	32	M060Z150-D	0.55
SF12-80	12	24	32	80	47	37	M060Z150-D	0.62
SF14-80	14	27	34	80	47	37	M060Z150-D	0.65
SF16-80	16	27	34	80	50	40	M080Z150-P-D	0.68
SF18-80	18	33	42	80	50	40	M080Z150-P-D	0.71
SF20-90	20	33	42	90	52	42	M080Z150-P-D	0.75
BT40-SF3-90	3	10	10	90	-	9	-	1.00
SF4-90	4	10	10	90	-	12	-	1.10
SF5-90	5	10	10	90	-	15	-	1.00
SF6-90	6	21	27	90	36	26	M050Z150-D	1.15
SF6-130	6	21	27	130	36	26	M050Z150-D	1.20
SF6-160	6	21	27	160	36	26	M050Z150-D	1.40
SF6-200	6	21	27	200	36	26	M050Z150-D	1.90
SF8-90	8	21	27	90	36	26	M060Z150-D	1.15
SF8-130	8	21	27	130	36	26	M060Z150-D	1.30
SF8-160	8	21	27	160	36	26	M060Z150-D	1.50
SF8-200	8	21	27	200	36	26	M060Z150-D	1.90
SF10-90	10	24	32	90	42	32	M060Z150-D	1.20
SF10-130	10	24	32	130	42	32	M060Z150-D	1.50
SF10-160	10	24	32	160	42	32	M060Z150-D	1.80
SF10-200	10	24	32	200	42	32	M060Z150-D	1.90
SF12-90	12	24	32	90	47	37	M080Z150-P-D	1.30
SF12-130	12	24	32	130	47	37	M080Z150-P-D	1.60
SF12-160	12	24	32	160	47	37	M080Z150-P-D	1.80
SF12-200	12	24	32	200	47	37	M080Z150-P-D	2.00
SF14-90	14	27	34	90	47	37	M080Z150-P-D	1.30
SF14-130	14	27	34	130	47	37	M080Z150-P-D	1.60
SF14-160	14	27	34	160	47	37	M080Z150-P-D	1.80
SF14-200	14	27	34	200	47	37	M080Z150-P-D	2.00
SF16-90	16	27	34	90	50	40	M080Z150-P-D	1.40
SF16-130	16	27	34	130	50	40	M080Z150-P-D	1.70
SF16-160	16	27	34	160	50	40	M080Z150-P-D	1.95
SF16-200	16	27	34	200	50	40	M080Z150-P-D	2.20
SF18-90	18	33	42	90	50	40	M080Z150-P-D	1.50
SF18-130	18	33	42	130	50	40	M080Z150-P-D	1.80
SF18-160	18	33	42	160	50	40	M080Z150-P-D	2.00
SF18-200	18	33	42	200	50	40	M080Z150-P-D	2.30
SF20-90	20	33	42	90	52	42	M080Z150-P-D	1.55

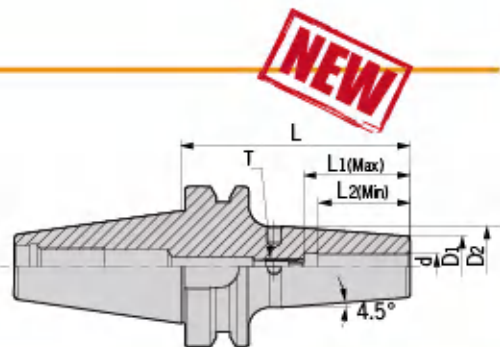
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# SF

BT-SF Shrink Fit Holder  
BT-SF烧结式热装刀柄 (一体式)



MAX  
50,000  
min<sup>-1</sup>



型号 Specification	d	D1	D2	L	L1 (Max)	L2 (Min)	T	重量 Weight
BT40- SF20-130	20	33	42	130	52	42	M080Z150-P-D	1.85
SF20-160	20	33	42	160	52	42	M080Z150-P-D	2.05
SF20-200	20	33	42	200	52	42	M080Z150-P-D	2.35
SF25-100	25	44	53	100	58	48	M160Z150-P-D	1.65
SF25-130	25	44	53	130	58	48	M160Z150-P-D	1.90
SF25-160	25	44	53	160	58	48	M160Z150-P-D	2.20
SF25-200	25	44	53	200	58	48	M160Z150-P-D	2.50
SF32-100	32	44	53	100	58	48	M160Z150-P-D	2.00
SF32-130	32	44	53	130	58	48	M160Z150-P-D	2.30
SF32-160	32	44	53	160	58	48	M160Z150-P-D	2.60
BT50- SF6-100	6	21	27	100	36	26	M050Z150-D	3.70
SF6-130	6	21	27	130	36	26	M050Z150-D	3.80
SF6-160	6	21	27	160	36	26	M050Z150-D	3.88
SF6-200	6	21	27	200	36	26	M050Z150-D	4.00
SF8-100	8	21	27	100	36	26	M060Z150-D	3.60
SF8-130	8	21	27	130	36	26	M060Z150-D	3.70
SF8-160	8	21	27	160	36	26	M060Z150-D	3.90
SF8-200	8	21	27	200	36	26	M060Z150-D	4.00
SF10-100	10	24	32	100	42	32	M060Z150-D	3.65
SF10-130	10	24	32	130	42	32	M060Z150-D	3.78
SF10-160	10	24	32	160	42	32	M060Z150-D	4.00
SF10-200	10	24	32	200	42	32	M060Z150-D	4.15
SF12-100	12	24	32	100	47	37	M080Z150-P-D	3.70
SF12-130	12	24	32	130	47	37	M080Z150-P-D	3.80
SF12-160	12	24	32	160	47	37	M080Z150-P-D	4.10
SF12-200	12	24	32	200	47	37	M080Z150-P-D	4.25
SF14-100	14	27	34	100	47	37	M080Z150-P-D	3.70
SF14-130	14	27	34	130	47	37	M080Z150-P-D	3.80
SF14-160	14	27	34	160	47	37	M080Z150-P-D	4.10
SF14-200	14	27	34	200	47	37	M080Z150-P-D	4.25
SF16-100	16	27	34	100	50	40	M080Z150-P-D	3.75
SF16-130	16	27	34	130	50	40	M080Z150-P-D	3.88
SF16-160	16	27	34	160	50	40	M080Z150-P-D	4.20
SF16-200	16	27	34	200	50	40	M080Z150-P-D	4.50
SF18-100	18	33	42	100	50	40	M080Z150-P-D	3.75
SF18-130	18	33	42	130	50	40	M080Z150-P-D	3.88
SF18-160	18	33	42	160	50	40	M080Z150-P-D	4.20
SF18-200	18	33	42	200	50	40	M080Z150-P-D	4.50
SF20-100	20	33	42	100	52	42	M080Z150-P-D	3.80
SF20-130	20	33	42	130	52	42	M080Z150-P-D	4.00
SF20-160	20	33	42	160	52	42	M080Z150-P-D	4.30
SF20-200	20	33	42	200	52	42	M080Z150-P-D	4.60

# SF/DSF

BT-SF Shrink Fit Holder  
BT-SF烧结式热装刀柄 (一体式)

型号 Specification	d	D1	D2	L	L1 (Max)	L2 (Min)	T	重量 Weight
BT50- SF25-100	25	44	53	100	58	48	M160Z150-P-D	3.82
SF25-130	25	44	53	130	58	48	M160Z150-P-D	4.05
SF25-160	25	44	53	160	58	48	M160Z150-P-D	4.33
SF25-200	25	44	53	200	58	48	M160Z150-P-D	4.65
SF32-100	32	44	53	100	58	48	M160Z150-P-D	4.00
SF32-130	32	44	53	130	58	48	M160Z150-P-D	4.40
SF32-160	32	44	53	160	58	48	M160Z150-P-D	4.70
SF32-200	32	44	53	200	58	48	M160Z150-P-D	5.00

### 特点 / Feature

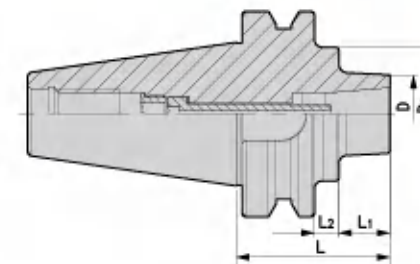
- 动平衡设定: G2.5; 25,000 rpm。
- 3D处径向跳动 ≤ 0.003 mm。

- Balanced: G2.5; 25,000 rpm;
- Runout (X3D): ≤ 0.003 mm.

BT-DSF Shrink Fit Holder  
BT-DSF烧结式热装刀柄 (分体式)



MAX  
50,000  
min<sup>-1</sup>



型号 Specification	D	D1	L1	L2	L	拉紧螺钉 Tension screw	止动螺母 Stop nut	T型扳手 Wrench	重量 Weight
BT30- DSF12-60	38	-	13	-	60	E100Z300	ZD12-1	T06	0.40
BT40- DSF12-50	38	-	18	-	50	E100Z300	ZD12-1	T06	1.10
DSF12-75	38	-	48	-	75	E100Z300	ZD12-1	T06-L	1.40
DSF12-135	41	-	108	-	135	E100Z300	ZD12-1	T06-L	2.20
BT50- DSF12-75	38	65	25	12	75	E100Z400	ZD12-1	T06-L	4.00
DSF12-105	41	65	55	12	105	E100Z700	ZD12-1	T06-L	4.40
DSF12-135	41	65	85	12	135	E100Z100	ZD12-1	T06-L	4.70

注: 报价时含扳手。  
Notice: Wrench is included.

### 特点 / Feature

- 动平衡设定: G2.5; 25,000 rpm。
- 3D处径向跳动 ≤ 0.003 mm。

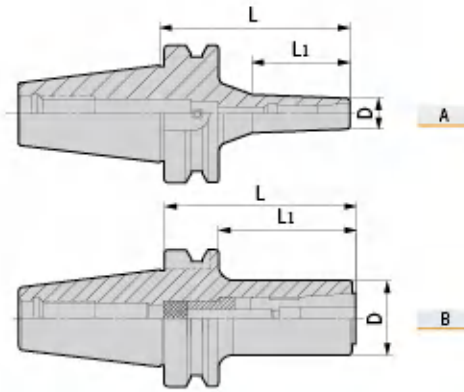
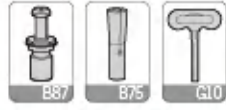
- Balanced: G2.5; 25,000 rpm;
- Runout (X3D): ≤ 0.003 mm.

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## BT-DC Precision Slim Collet Chuck BT-DC小径精密筒夹刀柄



MAX  
50,000  
min<sup>-1</sup>



型号 Specification	图示 Figure	D	L <sub>1</sub>	L	适用筒夹 Suit collet	拉紧螺钉 Tension screw	止动螺母 Stop nut	扳手 Wrench	重量 Weight
<b>BT30-DC6-60</b>	A	14	26	60	DC6	E050U350	ZD6-1	T04	0.90
<b>DC6-90</b>	A	14	50	90	DC6	E050U650	ZD6-1	T04	1.10
<b>DC12-70</b>	B	34	48	70	DC12	E100U350	ZD12-1	T08-L	0.60
<b>BT40-DC6-60</b>	A	14	26	60	DC6	E050U450	ZD6-1	T04-L	1.02
<b>DC6-90</b>	A	14	45	90	DC6	E050U450	ZD6-1	T04-L	1.05
<b>DC6-120</b>	A	14	60	120	DC6	E050U800	ZD6-1	T04-L	1.08
<b>DC6-150</b>	A	14	76	150	DC6	E050U1300	ZD6-1	T04-L	1.11
<b>DC8-90</b>	A	22	53	90	DC8	E060U600	ZD8-1	T05-L	1.10
<b>DC8-120</b>	A	22	65	120	DC8	E060U900	ZD8-1	T05-L	1.40
<b>DC10-90</b>	B	28	63	90	DC10	E080U300	ZD10-2	T06-L	1.20
<b>DC10-120</b>	A	28	60	120	DC10	E080U850	ZD10-1	T06-L	1.57
<b>DC12-70</b>	B	34	43	70	DC12	E100U350	ZD12-1	T08-L	1.08
<b>DC12-90</b>	B	34	63	90	DC12	E100U350	ZD12-1	T08-L	1.28
<b>DC12-120</b>	B	34	93	120	DC12	E100U350	ZD12-1	T08-L	1.49
<b>DC12-150</b>	B	34	123	150	DC12	E100U350	ZD12-1	T08-L	1.80
<b>BT50-DC10-110</b>	A	28	57	110	DC10	E080U800	ZD12-1	T06-L	4.20
<b>DC10-150</b>	A	28	75	150	DC10	E080U1200	ZD12-1	T06-L	4.32
<b>DC12-110</b>	B	34	72	110	DC12	E100U350	ZD12-1	T08-L	4.70
<b>DC12-150</b>	A	34	80	150	DC12	E100U1200	ZD12-1	T08-L	5.01

注：报价时含扳手，筒夹需单独订购。  
Notice: Wrench is included, while collet shall be ordered separately.

### 特点 / Feature

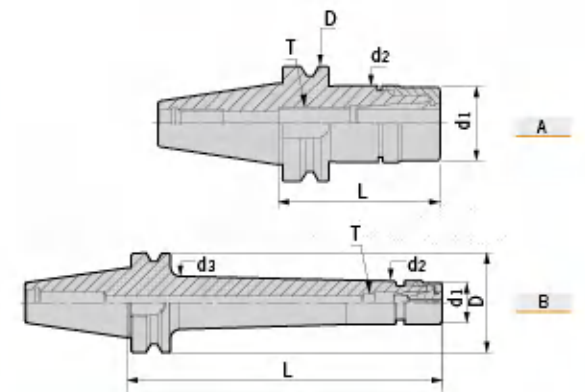
- 动平衡设定: G2.5; 30,000 rpm。
- 3D处径向跳动 ≤ 0.003 mm。

- Balanced: G2.5; 30,000 rpm;
- Runout (X3D): ≤ 0.003 mm.

## BT-GSK High Precision Collet Chuck BT-GSK高速精密筒夹刀柄



MAX  
45,000  
min<sup>-1</sup>



型号 Specification	图示 Figure	D	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	L	T	适用筒夹 Suit collet	重量 Weight
<b>BT30-GSK6-70</b>	A	46	19.5	20	-	70	MM060F200	DSK6	0.45
<b>GSK6-100</b>	A	46	19.5	20	-	100	M060F200	DSK6	0.64
<b>GSK10-70</b>	A	46	27	27.5	-	70	M100F200	DSK10	0.46
<b>GSK10-100</b>	A	46	27	27.5	-	100	M100F200	DSK10	0.70
<b>GSK16-70</b>	A	46	40	40.5	-	70	M160F200	DSK16	0.70
<b>GSK16-100</b>	A	46	40	40.5	-	100	M160F200	DSK16	1.00
<b>GSK16-120</b>	A	46	40	40.5	-	120	M160F200	DSK16	1.25
<b>GSK16-150</b>	A	46	40	40.5	-	150	M160F200	DSK16	1.35
<b>GSK20-70</b>	A	46	48	48.5	-	70	M160F200	DSK20	0.75
<b>GSK20-100</b>	A	46	48	48.5	-	100	M160F200	DSK20	1.15
<b>GSK25-100</b>	A	46	55	55	-	100	M200F200-P2	DSK25	1.20
<b>BT40-GSK6-70</b>	A	63	19.5	20	-	70	M060F200	DSK6	1.05
<b>GSK6-100</b>	A	63	19.5	20	-	100	M060F200	DSK6	1.25
<b>GSK6-120</b>	A	63	19.5	20	-	120	M060F200	DSK6	1.39
<b>GSK6-150L</b>	B	63	19.5	20	26.4	150	M060F200	DSK6	1.55
<b>GSK10-70</b>	A	63	27	27.5	-	70	M100F200	DSK10	1.10
<b>GSK10-100</b>	A	63	27	27.5	-	100	M100F200	DSK10	1.30
<b>GSK10-120</b>	A	63	27	27.5	-	120	M100F200	DSK10	1.42
<b>GSK10-150</b>	A	63	27	27.5	-	150	M100F200	DSK10	1.55
<b>GSK10-200L</b>	B	63	27	27.5	33.7	200	M100F200	DSK10	1.85
<b>GSK16-70</b>	A	63	40	40.5	-	70	M160F200	DSK16	1.21
<b>GSK16-100</b>	A	63	40	40.5	-	100	M160F200	DSK16	1.42
<b>GSK16-120</b>	A	63	40	40.5	-	120	M160F200	DSK16	1.61
<b>GSK16-150</b>	A	63	40	40.5	-	150	M160F200	DSK16	1.80
<b>GSK16-200L</b>	B	63	40	40.5	45.7	200	M160F200	DSK16	1.95
<b>GSK20-70</b>	A	63	48	48.5	-	70	M160F200	DSK20	1.52
<b>GSK20-100</b>	A	63	48	48.5	-	100	M160F200	DSK20	1.68
<b>GSK20-120</b>	A	63	48	48.5	-	120	M160F200	DSK20	1.90
<b>GSK20-150</b>	A	63	48	48.5	-	150	M160F200	DSK20	2.10
<b>GSK20-200L</b>	B	63	48	48.5	55.7	200	M160F200	DSK20	2.30
<b>GSK25-100</b>	A	63	55	55	-	100	M200F200-P2	DSK25	1.81
<b>GSK25-120</b>	A	63	55	55	-	120	M200F200-P2	DSK25	2.05
<b>GSK25-150</b>	A	63	55	55	-	150	M200F200-P2	DSK25	2.30
<b>GSK25-200L</b>	B	63	55	55	59.9	200	M200F200-P2	DSK25	2.65
<b>BT50-GSK10-105</b>	A	100	27	27.5	-	105	M100F200	DSK10	3.78
<b>GSK10-135</b>	A	100	27	27.5	-	135	M100F200	DSK10	4.00
<b>GSK10-165</b>	A	100	27	27.5	-	165	M100F200	DSK10	4.33
<b>GSK10-200L</b>	B	100	27	27.5	35.2	200	M100F200	DSK10	4.75

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## BT-GSK High Precision Collet Chuck BT-GSK高速精密筒夹刀柄

型号 Specification	图示 Figure	D	d1	d2	d3	L	T	适用筒夹 Suit collet	重量 Weight
BT50-GSK16-100	A	100	40	40.5	-	100	M160F200	DSK16	3.93
GSK16-125	A	100	40	40.5	-	125	M160F200	DSK16	4.17
GSK16-150	A	100	40	40.5	-	150	M160F200	DSK16	4.49
GSK16-200L	B	100	40	40.5	48.4	200	M160F200	DSK16	5.50
GSK16-250L	B	100	40	40.5	48.4	250	M160F200	DSK16	6.50
GSK20-100	A	100	48	48.5	-	100	M160F200	DSK20	4.10
GSK20-125	A	100	48	48.5	-	125	M160F200	DSK20	4.32
GSK20-150	A	100	48	48.5	-	150	M160F200	DSK20	4.65
GSK20-200	A	100	48	48.5	-	200	M160F200	DSK20	5.75
GSK20-250L	B	100	48	48.5	55.4	250	M160F200	DSK20	6.78
GSK20-300L	B	100	48	48.5	55.4	300	M160F200	DSK20	7.80
GSK25-100	A	100	55	55	-	100	M200F200-P2	DSK25	4.10
GSK25-125	A	100	55	55	-	125	M200F200-P2	DSK25	4.62
GSK25-150	A	100	55	55	-	150	M200F200-P2	DSK25	5.10
GSK25-200	A	100	55	55	-	200	M200F200-P2	DSK25	5.81
GSK25-250L	B	100	55	55	61.4	250	M200F200-P2	DSK25	6.85
GSK25-300L	B	100	55	55	61.4	300	M200F200-P2	DSK25	8.00

注：“T”轴向限位螺钉、筒夹与扳手需单独另购。  
Notice: “T” Axial fix screw, collets and wrenchs shall be ordered separately.

### 特点 / Feature

- 动平衡设定: G2.5; 25,000 rpm。
- 3D处径向跳动 ≤ 0.005 mm。

- Balanced: G2.5; 25,000 rpm;
- Runout (X3D): ≤ 0.005 mm.

## BT-DSK High Precision Collet Chuck BT-DSK高速精密筒夹刀柄



型号 Specification	图示 Figure	D	d1	d2	d3	L	轴向定位螺钉 Axial fix screw	适用筒夹 Suit collet	重量 Weight
BT30-DSK6-70	A	46	20	20	-	70	M060F200	DSK6	0.45
DSK6-100	A	46	20	20	-	100	M060F200	DSK6	0.64
DSK10-70	A	46	27.5	27.5	-	70	M100F200	DSK10	0.46
DSK10-100	A	46	27.5	27.5	-	100	M100F200	DSK10	0.70
DSK16-70	A	46	40.5	40.5	-	70	M160F200	DSK16	0.70
DSK16-100	A	46	40.5	40.5	-	100	M160F200	DSK16	1.00
DSK16-120	A	46	40.5	40.5	-	120	M160F200	DSK16	1.25
DSK16-150	A	46	40.5	40.5	-	150	M160F200	DSK16	1.35

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## BT-DSK High Precision Collet Chuck BT-DSK高速精密筒夹刀柄

型号 Specification	图示 Figure	D	d1	d2	d3	L	T	适用筒夹 Suit collet	重量 Weight
BT30-DSK20-70	A	46	48.5	48.5	-	70	M160F200	DSK20	0.75
DSK20-100	A	46	48.5	48.5	-	100	M160F200	DSK20	1.15
DSK25-100	A	46	55	55	-	100	M200F200-P2	DSK25	1.20
BT40-DSK6-70	A	63	20	20	-	70	M060F200	DSK6	1.05
DSK6-100	A	63	20	20	-	100	M060F200	DSK6	1.25
DSK6-120	A	63	20	20	-	120	M060F200	DSK6	1.39
DSK6-150L	B	63	20	20	26.4	150	M060F200	DSK6	1.55
DSK10-70	A	63	27.5	27.5	-	70	M100F200	DSK10	1.10
DSK10-100	A	63	27.5	27.5	-	100	M100F200	DSK10	1.30
DSK10-120	A	63	27.5	27.5	-	120	M100F200	DSK10	1.42
DSK10-150	A	63	27.5	27.5	-	150	M100F200	DSK10	1.55
DSK10-200L	B	63	27.5	27.5	33.7	200	M100F200	DSK10	1.85
DSK16-70	A	63	40.5	40.5	-	70	M160F200	DSK16	1.21
DSK16-100	A	63	40.5	40.5	-	100	M160F200	DSK16	1.42
DSK16-120	A	63	40.5	40.5	-	120	M160F200	DSK16	1.61
DSK16-150	A	63	40.5	40.5	-	150	M160F200	DSK16	1.80
DSK16-200L	B	63	40.5	40.5	45.7	200	M160F200	DSK16	1.95
DSK20-70	A	63	48.5	48.5	-	70	M160F200	DSK20	1.52
DSK20-100	A	63	48.5	48.5	-	100	M160F200	DSK20	1.68
DSK20-120	A	63	48.5	48.5	-	120	M160F200	DSK20	1.90
DSK20-150	A	63	48.5	48.5	-	150	M160F200	DSK20	2.10
DSK20-200L	B	63	48.5	48.5	55.7	200	M160F200	DSK20	2.30
DSK25-100	A	63	55	55	-	100	M200F200-P2	DSK25	1.81
DSK25-120	A	63	55	55	-	120	M200F200-P2	DSK25	2.05
DSK25-150	A	63	55	55	-	150	M200F200-P2	DSK25	2.30
DSK25-200L	B	63	55	55	59.9	200	M200F200-P2	DSK25	2.65
BT50-DSK10-105	A	100	27.5	27.5	-	105	M100F200	DSK10	3.78
DSK10-135	A	100	27.5	27.5	-	135	M100F200	DSK10	4.00
DSK10-165	A	100	27.5	27.5	-	165	M100F200	DSK10	4.33
DSK10-200L	B	100	27.5	27.5	35.2	200	M100F200	DSK10	4.75
DSK16-100	A	100	40.5	40.5	-	100	M160F200	DSK16	3.93
DSK16-125	A	100	40.5	40.5	-	125	M160F200	DSK16	4.17
DSK16-150	A	100	40.5	40.5	-	150	M160F200	DSK16	4.49
DSK16-200L	B	100	40.5	40.5	48.4	200	M160F200	DSK16	5.50
DSK16-250L	B	100	40.5	40.5	48.4	250	M160F200	DSK16	6.50
DSK20-100	A	100	48.5	48.5	-	100	M160F200	DSK20	4.10
DSK20-125	A	100	48.5	48.5	-	125	M160F200	DSK20	4.32
DSK20-150	A	100	48.5	48.5	-	150	M160F200	DSK20	4.65
DSK20-200	A	100	48.5	48.5	-	200	M160F200	DSK20	5.75
DSK20-250L	B	100	48.5	48.5	55.4	250	M160F200	DSK20	6.78
DSK20-300L	B	100	48.5	48.5	55.4	300	M160F200	DSK20	7.80
DSK25-100	A	100	55	55	-	100	M200F200-P2	DSK25	4.1
DSK25-125	A	100	55	55	-	125	M200F200-P2	DSK25	4.62
DSK25-150	A	100	55	55	-	150	M200F200-P2	DSK25	5.10
DSK25-200	A	100	55	55	-	200	M200F200-P2	DSK25	5.81
DSK25-250L	B	100	55	55	61.4	250	M200F200-P2	DSK25	6.85
DSK25-300L	B	100	55	55	61.4	300	M200F200-P2	DSK25	8.00

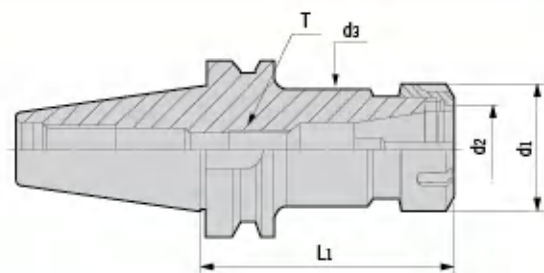
注：“T”轴向限位螺钉、筒夹与扳手需单独另购。  
Notice: “T” Axial fix screw, collets and wrenchs shall be ordered separately.

### 特点 / Feature

- 动平衡设定: G2.5; 20,000 rpm。
- 3D处径向跳动 ≤ 0.005 mm。

- Balanced: G2.5; 20,000 rpm;
- Runout (X3D): ≤ 0.005 mm.

## BT-ER Spring Collet Chuck BT-ER弹性筒夹刀柄



型号 Specification	d1	d2	d3	L	T	重量 Weight
BT30-ER16-70	28	16	28	70	M100F200	0.52
ER16-100	28	16	28	100	M100F200	0.64
ER16-120	28	16	28	120	M100F200	0.73
ER20-70	34	20	34	70	M120F200	0.57
ER20-100	34	20	34	100	M120F200	0.76
ER20-135	34	20	34	135	M120F200	0.99
ER25-70	42	25	42	70	M160F200	0.66
ER25-100	42	25	42	100	M160F200	0.98
ER25-135	42	25	42	135	M160F200	1.31
ER32-70	50	32	50	70	M160F200	0.72
ER32-100	50	32	50	100	M160F200	1.14
ER40-95	63	40	63	95	M200F200-P2	1.20
BT40-ER16-70	28	16	28	70	M100F200	1.08
ER16-100	28	16	28	100	M100F200	1.21
ER16-125	28	16	28	125	M100F200	1.30
ER16-150	28	16	28	150	M100F200	1.44
ER20-70	34	20	34	70	M120F200	1.12
ER20-100	34	20	34	100	M120F200	1.33
ER20-125	34	20	34	125	M120F200	1.48
ER20-150	34	20	34	150	M120F200	1.65
ER25-70	42	25	42	70	M160F200	1.22
ER25-100	42	25	42	100	M160F200	1.49
ER25-125	42	25	42	125	M160F200	1.71
ER25-150	42	25	42	150	M160F200	1.97
ER32-70	50	32	50	70	M160F200	1.27
ER32-100	50	32	50	100	M160F200	1.70
ER32-150	50	32	50	150	M160F200	2.39
ER32-200	50	32	50	200	M160F200	3.12
ER40-80	63	40	63	80	M200F200-P2	1.62
ER40-100	63	40	63	100	M200F200-P2	2.08
ER40-120	63	40	63	120	M200F200-P2	2.55
ER40-150	63	40	63	150	M200F200-P2	3.23
BT50-ER16-70	28	16	28	70	M100F200	3.67
ER16-100	28	16	28	100	M100F200	3.77
ER16-135	28	16	28	135	M100F200	3.95
ER16-165	28	16	28	165	M100F200	4.04
ER20-70	34	20	34	70	M120F200	3.66
ER20-100	34	20	34	100	M120F200	3.75
ER20-135	34	20	34	135	M120F200	4.08
ER20-150	34	20	34	150	M120F200	4.22
ER20-200	34	20	34	200	M120F200	4.66
ER20-250L	34	20	34	250	M120F200	5.16
ER25-70	42	25	42	70	M160F200	3.64
ER25-100	42	25	42	100	M160F200	4.02

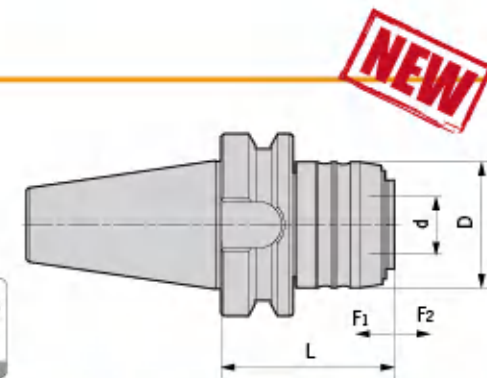
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## BT-ER Spring Collet Chuck BT-ER弹性筒夹刀柄

型号 Specification	d1	d2	d3	L	T	重量 Weight
BT50-ER25-125	42	25	42	125	M160F200	4.26
ER25-150	42	25	42	150	M160F200	4.54
ER25-200	42	25	42	200	M160F200	5.01
ER25-250L	42	25	42	250	M160F200	5.52
ER32-80	50	32	50	80	M160F200	3.80
ER32-100	50	32	50	100	M160F200	4.07
ER32-120	50	32	50	120	M160F200	4.35
ER32-150	50	32	50	150	M160F200	4.82
ER32-200	50	32	50	200	M160F200	5.32
ER32-250	50	32	50	250	M160F200	5.92
ER40-80	63	40	63	80	M200F200-P2	3.93
ER40-100	63	40	63	100	M200F200-P2	4.38
ER40-120	63	40	63	120	M200F200-P2	4.86
ER40-150	63	40	63	150	M200F200-P2	5.51

注：筒夹和扳手需单独订购。  
Notice: Collets, extender and wrenches shall be ordered separately.

## BT-VER Split Synch Tapping Chuck BT-VER分体式微补偿攻牙刀柄



型号 Specification	D	d	L	F1	F2	攻牙能力 Tapping capacity	适用延长杆 Suit extender	重量 Weight
BT30-VER16-57	43.5	20	57	0.2	1	M3-M12	VER16-M24/L55	0.65
VER20-72	52	25	72	0.2	1	M5-M16	VER20-M26/L75	0.75
BT40-VER16-61	43.5	20	61	0.2	1	M3-M12	VER16-M24/L55	1.05
VER20-72	52	25	72	0.2	1	M5-M16	VER20-M26/L75	1.20
VER25-82	60	32	82	0.2	1	M6-M20	VER25-M28/L86	1.35
VER32-98	72	40	98	0.2	1	M10-M24	VER32-M30/L90	1.68
VER40-107	87	50	107	0.2	1	M14-M33	VER40-M32/L95	1.95
BT50-VER16-72	43.5	20	72	0.2	1	M3-M12	VER16-M24/L55	3.55
VER20-83	52	25	83	0.2	1	M5-M16	VER20-M26/L75	3.45
VER25-93	60	32	93	0.2	1	M6-M20	VER25-M28/L86	3.88
VER32-109	72	40	109	0.2	1	M10-M24	VER32-M30/L90	4.22
VER40-124	87	50	124	0.2	1	M14-M33	VER40-M32/L95	4.65

注：延长杆、筒夹和扳手需单独订购。  
Notice: Extender, collets and wrenches shall be ordered separately.

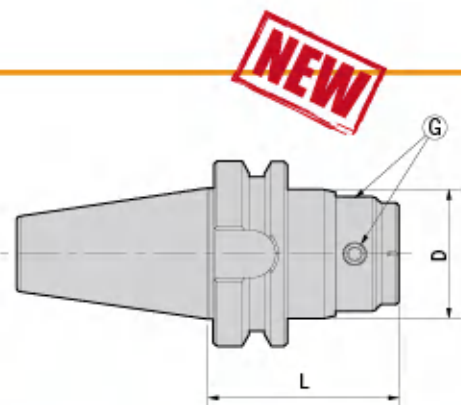
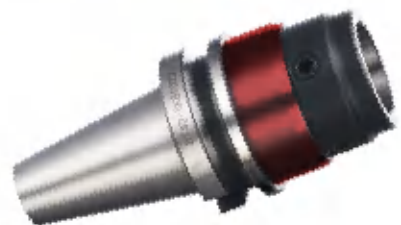
### 特点 / Feature

- 显著提高丝锥使用寿命80%以上。
- 有效提高加工生产效率2-4倍。
- 明显提高表面加工质量与精度。
- 选用ER攻丝专用筒夹夹持。
- 无需依赖设备精度。
- 挤压丝锥首选。

- Tap tool life increased by 80% and above;
- Work efficiency increased 2 to 4 times;
- Better surface quality;
- With ER tapping collet;
- Best choice for squeeze taps.

# TPG/TPM

BT-TPG Split Rigid Tapping Chuck  
BT-TPG 分体式刚性攻牙刀柄



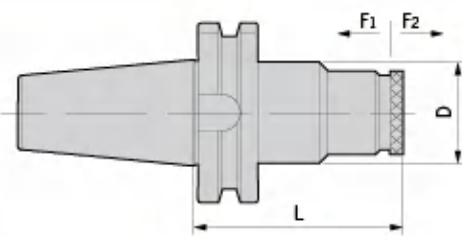
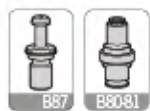
型号 Specification	D	L	G	适用筒夹 Suit collet	L型扳手 Wrench	攻牙能力 Tapping capacity	重量 Weight
BT30- TPG312	44	65	M080Z100-30P	TPE312	L04D	M3-M12	0.73
TPG1024	56	85	M100Z120-30P	TPE1024	L05D	M10-M24	0.89
BT40- TPG312	44	65	M080Z100-30P	TPE312	L04D	M3-M12	1.23
TPG1024	56	75	M100Z120-30P	TPE1024	L05D	M10-M24	1.39
BT50- TPG312	44	80	M080Z100-30P	TPE312	L04D	M3-M12	3.88
TPG1024	56	90	M100Z120-30P	TPE1024	L05D	M10-M24	4.09

注：筒夹需单独订购。  
Notice: Collets shall be ordered separately.

## 特点 / Feature

- 采用法兰接触设计，以求更优秀的刚性和同心度。
- 支持丝锥快速更换。
- 中心内冷设计。
- 筒夹长度6种选择（33~200mm）。
- Flange design, supply for better synchrony & rigidity.
- Quick assembling for taps.
- With internal coolant system.
- 6 sizes available for tapping collet (33~200mm) .

BT-TPM Tapping Chuck With High Rigidity  
BT-TPM 扭力伸缩攻牙刀柄



型号 Specification	D	F1	F2	L	适用筒夹 Suit collet	攻牙能力 Tapping capacity	重量 Weight
BT30- TPM316	50	10	20	111.6	TPD316	M3-M16	0.75
TPM830	66	10	25	148.6	TPD830	M8-M30	0.80
BT40- TPM316	50	10	20	101	TPD316	M3-M16	1.56
TPM830	66	10	25	141	TPD830	M8-M30	2.62
BT50- TPM316	50	10	20	118	TPD316	M3-M16	4.24
TPM830	66	10	25	130.2	TPD830	M8-M30	4.77

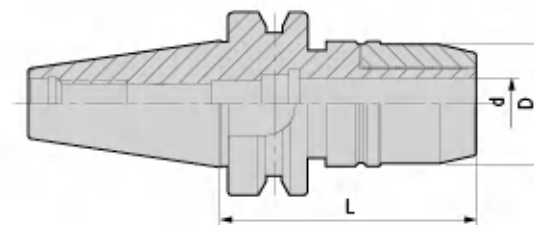
注：筒夹需单独订购。  
Notice: Collets shall be ordered separately.

# HPM

BT-HPM High-Speed Power Chuck  
BT-HPM 高速强力刀柄



MAX  
30,000  
min<sup>-1</sup>



型号 Specification	范围 Range	D	d	L	适用筒夹 Suit collet	重量 Weight
BT30- HPM16-70	3-16	46	16	70	SC16	1.40
HPM20-75	6-20	55	20	75	SC20	1.80
BT40- HPM16-70	3-16	46	16	70	SC16	1.60
HPM16-105	3-16	46	16	105	SC16	1.80
HPM16-135	3-16	46	16	135	SC16	2.30
HPM20-80	6-20	55	20	80	SC20	2.40
HPM20-105	6-20	55	20	105	SC20	2.50
HPM20-135	6-20	55	20	135	SC20	2.80
HPM32-105	6-32	68	32	105	SC32	2.80
HPM32-135	6-32	68	32	135	SC32	3.00
BT50- HPM16-90	3-16	46	16	90	SC16	3.90
HPM16-110	3-16	46	16	110	SC16	4.10
HPM16-135	3-16	46	16	135	SC16	4.30
HPM16-150	3-16	46	16	150	SC16	4.50
HPM20-105	6-20	55	20	105	SC20	4.50
HPM20-135	6-20	55	20	135	SC20	4.70
HPM20-150	6-20	55	20	150	SC20	4.90
HPM32-110	6-32	68	32	110	SC32	5.20
HPM32-135	6-32	68	32	135	SC32	5.90
HPM32-165	6-32	68	32	165	SC32	6.60

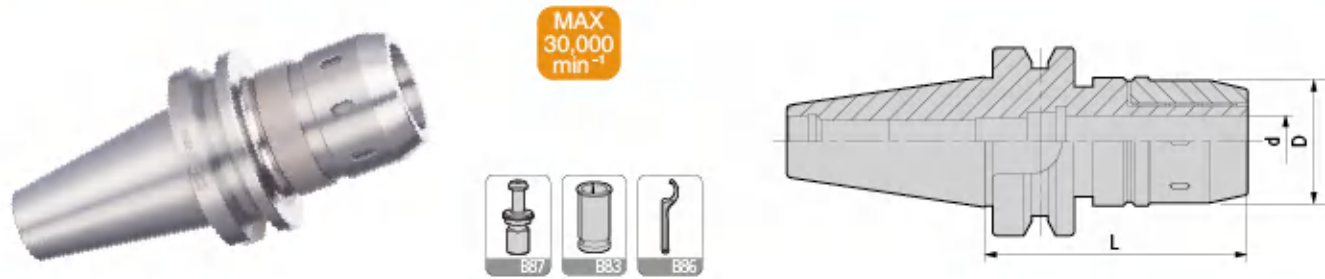
注：扳手和筒夹需单独订购。  
Notice: Wrenches and collets shall be ordered separately.

## 特点 / Feature

- 动平衡设定: G2.5; 20,000 rpm.
- 3D处径向跳动 ≤ 0.01 mm.
- Balanced: G2.5; 20,000 rpm;
- Runout (X3D): ≤ 0.01 mm.

# HPC

BT-HPC High-Speed Power Chuck  
BT-HPC 高速强力刀柄



型号 Specification	范围 Range	D	d	L	适用筒夹 Suit collet	重量 Weight		
BT30-	HPC16-75	3-16	50	16	70	SC16	1.40	
	HPC20-75	6-20	51.5	20	75	SC20	1.80	
	HPC16-75	3-16	50	16	70	SC16	1.60	
BT40-	HPC16-105	3-16	50	16	105	SC16	1.80	
	HPC16-135	3-16	46	16	135	SC16	2.30	
	HPC20-80	6-20	51.5	20	80	SC20	2.40	
	HPC20-105	6-20	51.5	20	105	SC20	2.50	
	HPC20-135	6-20	51.5	20	135	SC20	2.80	
	HPC32-105	6-32	70.5	32	105	SC32	2.80	
	HPC32-135	6-32	70.5	32	135	SC32	3.00	
	BT50-	HPC16-90	3-16	50	16	90	SC16	3.90
		HPC16-110	3-16	50	16	110	SC16	4.10
HPC16-135		3-16	50	16	135	SC16	4.30	
HPC16-150		3-16	46	16	150	SC16	4.50	
HPC20-105		6-20	51.5	20	105	SC20	4.50	
HPC20-135		6-20	51.5	20	135	SC20	4.70	
HPC20-150		6-20	51.5	20	150	SC20	4.90	
HPC32-110		6-32	70.5	32	110	SC32	5.20	
HPC32-135		6-32	70.5	32	135	SC32	5.90	
HPC32-165	6-32	70.5	32	165	SC32	6.60		

注：报价时含扳手，筒夹需单独订购。  
Notice: Wrench is included, while collet is to be ordered separately.

## 特点 / Feature

- 动平衡设定: G6.3; 15,000 rpm。
- 3D处径向跳动 $\leq 0.01$  mm。
- Balanced: G6.3; 15,000 rpm;
- Runout (X3D):  $\leq 0.01$  mm.

# MLC

BT-MLC Power Chuck  
BT-MLC 强力刀柄



型号 Specification	范围 Range	D	d	L	适用筒夹 Suit collet	重量 Weight	
BT30-	MLC20-80	6-20	53	20	75	SC20	1.59
	MLC20-100	6-20	53	20	100	SC20	1.73
BT40-	MLC16-75	6-16	51.5	16	75	SC16	1.50
	MLC16-110	6-16	51.5	16	110	SC16	1.62
	MLC20-80	6-20	53	20	80	SC20	1.85
	MLC20-100	6-20	53	20	100	SC20	2.11
	MLC20-135	6-20	53	20	100	SC20	2.65
	MLC25-85	6-25	62.5	25	85	SC25	1.80
	MLC25-120	6-25	62.5	25	120	SC25	2.10
	MLC32-105	6-32	72	32	105	SC32	2.28
	MLC32-135	6-32	72	32	135	SC32	5.44
BT50-	MLC16-90	6-16	51.5	16	90	SC16	4.21
	MLC16-120	6-16	51.5	16	120	SC16	4.70
	MLC20-105	6-20	53	20	105	SC20	2.87
	MLC20-150	6-20	53	20	150	SC20	4.30
	MLC25-100	6-25	62.5	25	100	SC25	4.57
	MLC25-135	6-25	62.5	25	135	SC25	4.89
	MLC32-110	6-32	72	32	110	SC32	5.44
	MLC32-135	6-32	72	32	135	SC32	6.19
	MLC32-165	6-32	72	32	165	SC32	6.95
	MLC42-115	6-42	87.5	42	115	SC42	5.50
	MLC42-135	6-42	87.5	42	135	SC42	6.43
	MLC42-165	6-42	87.5	42	165	SC42	7.65

注：报价时含扳手，筒夹需单独订购。  
Notice: Wrench is included, while collet shall be ordered separately.

## 特点 / Feature

- 刀柄采用四组220根针状滚针经特殊排列而成。
- 端面锁紧增强了本体刚性强度。
- 立铣刀无振动无滑移实现了最大能力范围的重铣削加工，跳动精度 $\leq 0.02$ mm。
- The tool holder uses four special layers with 220 pieces bearing arranged in particular.
- It can reduce the locking resistance and also show best performance on heavy cutting.
- The usual length of power milling chuck show that the highest runout accuracy can reach  $\leq 0.02$ mm.

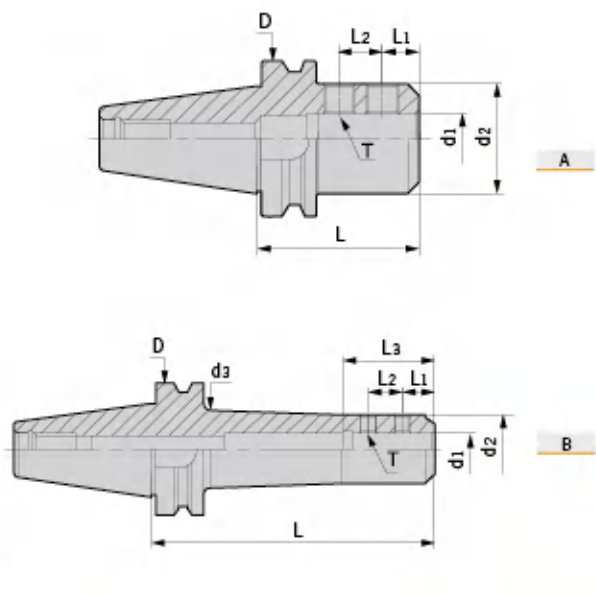
BT-MLC Power Chuck Kit  
BT-MLC强力筒夹本体套装组

型号 Specification	筒夹 Collet	数量 PCS/SET	重量 Weight
BT40-	MLC20-100-5PCS	SC20-6,8,10,12,16	5 7.30
	MLC32-105-7PCS	SC32-6,8,10,12,16,20,25	7 7.80
BT50-	MLC20-105-5PCS	SC20-6,8,10,12,16	5 7.50
	MLC32-110-7PCS	SC32-6,8,10,12,16,20,25	7 8.40
	MLC42-115-8PCS	SC42-6,8,10,12,16,20,25,32	8 11.40



# SLN

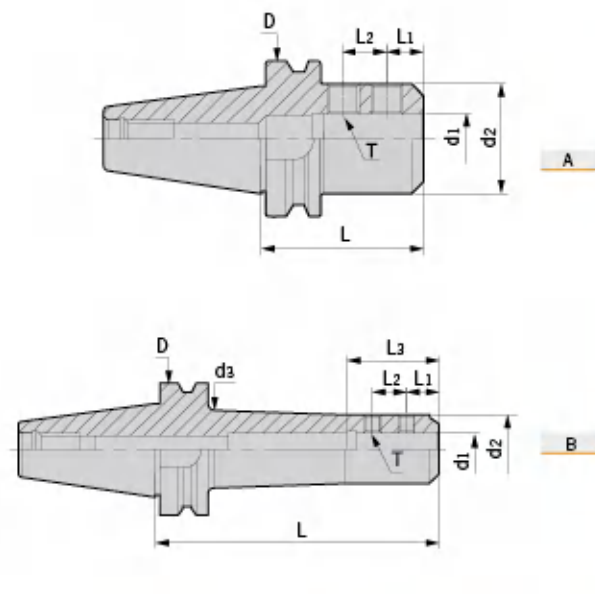
BT-SLN Side-lock Holder  
BT-SLN 侧固式刀柄



型号 Specification	图示 Figure	D	d1	d2	d3	L	L1	L2	L3	侧面压紧螺钉 Side-lock screw	重量 Weight
<b>BT30-</b> SLN6-60	A	46	6	25	-	60	18	-	40	M060U100	0.52
SLN8-60	A	46	8	28	-	60	18	-	40	M080U100	0.55
SLN10-60	A	46	10	35	-	60	20	-	44	M100U120	0.63
SLN12-60	A	46	12	42	-	60	22.5	-	49	M120U160	0.72
SLN16-75	A	46	16	48	-	75	24	-	52	M140U160	1.00
SLN20-75	A	46	20	52	-	75	25	-	54	M160U160	1.04
SLN25-90	A	46	25	65	-	90	24	25	60	M180Z200P	1.76
<b>BT40-</b> SLN6-50	A	63	6	25	-	50	18	-	40	M060U080	1.06
SLN6-100	A	63	6	25	-	100	18	-	40	M060U100	1.23
SLN8-50	A	63	8	28	-	50	18	-	40	M080U100	1.07
SLN8-100	A	63	8	28	-	100	18	-	40	M080U100	1.30
SLN10-63	A	63	10	35	-	63	20	-	44	M100U120	1.21
SLN10-100	A	63	10	35	-	100	20	-	44	M100U120	1.50
SLN12-63	A	63	12	42	-	63	22.5	-	49	M120U160	1.30
SLN12-100	A	63	12	42	-	100	22.5	-	49	M120U160	1.68
SLN16-63	A	63	16	48	-	63	24	-	52	M140U160	1.35
SLN16-100	A	63	16	48	-	100	24	-	52	M140U160	1.81
SLN20-63	A	63	20	52	-	63	25	-	54	M160U160	1.43
SLN20-100	A	63	20	52	-	100	25	-	54	M160U160	1.86
SLN25-100	A	63	25	65	-	100	24	25	60	M180Z200P	2.02
SLN32-100	A	63	32	72	-	100	24	28	64	M200Z200P	2.50

# SLN

BT-SLN Side-lock Holder  
BT-SLN 侧固式刀柄

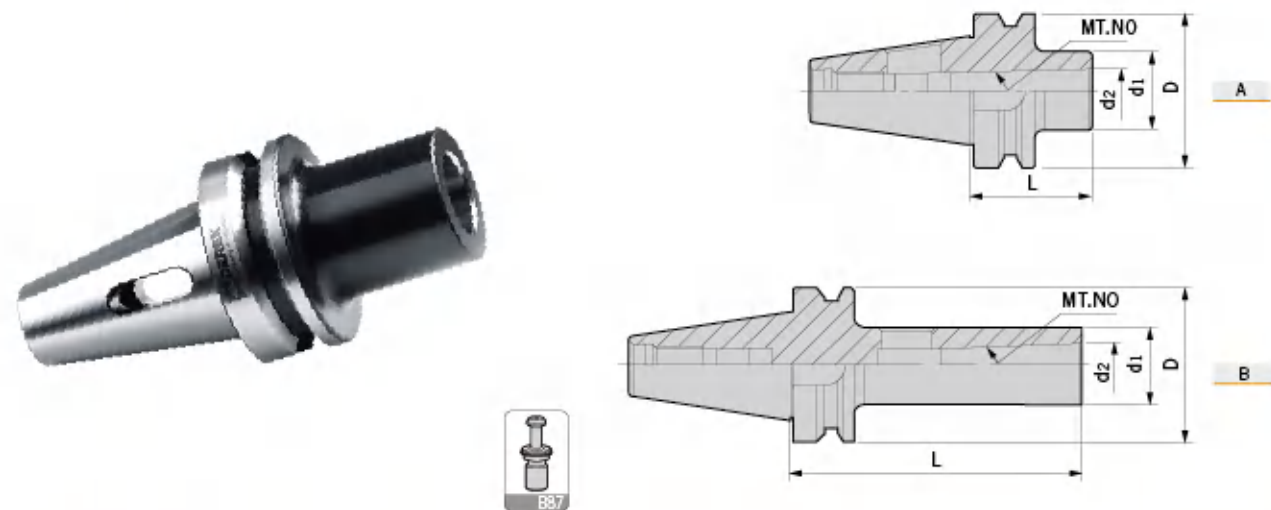


型号 Specification	图示 Figure	D	d1	d2	d3	L	L1	L2	L3	侧面压紧螺钉 Side-lock screw	重量 Weight
<b>BT50-</b> SLN6-63	A	100	6	25	-	63	18	-	40	M060U100	3.75
SLN6-100	A	100	6	25	-	100	18	-	40	M060U100	4.06
SLN8-63	A	100	8	28	-	63	18	-	40	M080U100	3.75
SLN8-100	A	100	8	35	-	100	18	-	40	M080U100	4.13
SLN10-65	A	100	10	35	-	65	20	-	44	M100U120	3.81
SLN10-100	A	100	10	35	-	100	20	-	44	M100U120	4.06
SLN12-80	A	100	12	42	-	80	22.5	-	49	M120U160	4.03
SLN12-125	A	100	12	42	-	125	22.5	-	49	M120U160	4.5
SLN16-80	A	100	16	48	-	80	24	-	52	M140U160	4.08
SLN16-125	A	100	16	48	-	125	24	-	52	M140U160	4.66
SLN16-165L	B	100	16	48	53	165	24	-	52	M140U160	5.29
SLN20-80	A	100	20	52	-	80	25	-	54	M160U160	4.08
SLN20-125	A	100	20	52	-	125	25	-	54	M160U160	4.81
SLN20-165L	B	100	20	52	57	165	25	-	54	M160U160	5.48
SLN20-210L	B	100	20	52	59	210	25	-	54	M160U160	6.24
SLN25-100	A	100	25	65	-	100	24	25	60	M180Z200P	4.82
SLN25-165L	B	100	25	65	70	165	24	25	60	M180Z200P	6.77
SLN25-210L	B	100	25	65	70	210	24	25	60	M180Z200P	7.93
SLN32-105	A	100	32	72	-	105	24	28	60	M200Z200P	5.14
SLN32-165L	B	100	32	72	77	165	24	28	67	M200Z200P	7.09
SLN32-210L	B	100	32	72	77	210	24	28	67	M200Z200P	8.45
SLN40-115	A	100	40	90	-	115	30	32	74	M200Z250P	6.17
SLN42-120	A	100	42	90	-	120	30	32	73	M200Z250P	6.32
SLN42-210L	B	100	42	90	95	210	30	32	81	M200Z250P	11.09
SLN50-120	A	100	50	99	-	120	35	35	86	M240Z250P	6.81
SLN50.8-120	A	100	50.8	98	-	120	33	34.54	90	M200Z250P	5.76

注：扳手需单独订购。  
Notice: Wrenchs shall be ordered separately.

# MTA

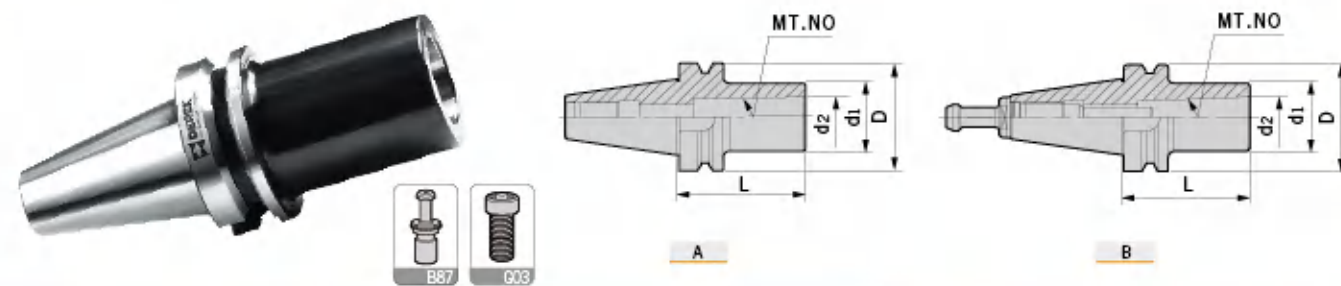
BT-MTA Morse Taper Holder  
BT-MTA 莫氏锥套刀柄 (钻头套筒)



型号 Specification	莫氏锥度 MT.NO	图示 Figure	D	d1	d2	L	重量 Weight	
<b>BT30-</b> MTA1-45	1	A	46	25	12.065	45	0.55	
	MTA1-105	1	B	46	25	12.065	105	0.80
	MTA2-60	2	A	46	32	17.780	60	0.60
	MTA2-120	2	B	46	32	17.780	120	0.90
	MTA3-80	3	A	46	40	23.825	80	0.80
<b>BT40-</b> MTA1-45	1	A	63	25	12.065	45	1.05	
	MTA1-120	1	B	63	25	12.065	120	1.28
	MTA2-50	2	A	63	32	17.780	50	1.00
	MTA2-120	2	B	63	32	17.780	120	1.41
	MTA3-70	3	A	63	40	23.825	70	1.13
	MTA3-135	3	B	63	40	23.825	135	1.75
	MTA4-95	4	A	63	48	31.267	95	1.35
	MTA4-165	4	B	63	48	31.267	165	2.30
<b>BT50-</b> MTA1-45	1	A	100	25	12.065	45	3.59	
	MTA1-120	1	B	100	25	12.065	120	3.88
	MTA1-180	1	B	100	25	12.065	180	4.12
	MTA2-60	2	A	100	32	17.780	60	3.64
	MTA2-135	2	B	100	32	17.780	135	4.17
	MTA2-180	2	B	100	32	17.780	180	4.39
	MTA3-65	3	A	100	40	23.825	65	3.60
	MTA3-150	3	B	100	40	23.825	150	4.40
	MTA3-180	3	B	100	40	23.825	180	4.73
	MTA4-95	4	A	100	48	31.267	95	3.88
	MTA4-180	4	B	100	48	31.267	180	5.00
	MTA5-105	5	A	100	63	44.399	105	3.74

# MTB/SPU

BT-MTB Morse Taper Holder  
BT-MTB 莫氏锥套刀柄 (螺丝锁紧)



型号 Specification	莫氏锥度 MT.NO	图示 Figure	D	d1	d2	L	拉紧螺钉 Tension screw	范围 Range	重量 Weight	
<b>BT30-</b> MTB1-45	1	A	46	25	12.065	45	E060U160	Φ10-Φ14	0.55	
	MTB2-60	2	B	46	32	17.780	60	BT30-45-MT2	Φ16-Φ22	0.60
<b>BT40-</b> MTB1-45	1	A	63	25	12.065	45	E060U160	Φ10-Φ14	1.00	
	MTB2-50	2	A	63	32	17.780	50	E100Z300-MTB	Φ16-Φ22	1.02
	MTB3-75	3	B	63	40	23.825	75	BT40-45-MT3	Φ24-Φ32	1.19
	MTB4-90	4	B	63	48	31.267	90	BT40-45-MT4	Φ32-Φ50	1.33
<b>BT50-</b> MTB1-45	1	A	100	25	12.065	45	E060U250	Φ10-Φ14	3.30	
	MTB2-45	2	A	100	32	17.780	45	E100U350	Φ16-Φ22	3.57
	MTB3-60	3	A	100	40	23.825	60	E120U400	Φ24-Φ32	3.61
	MTB4-75	4	A	100	50	31.267	75	E160Z400-MTB	Φ32-Φ50	3.68
	MTB5-120	5	B	100	70	44.399	120	BT50-45-MT5	Φ55-Φ60	4.10

注: 报价时含拉紧螺钉。  
Notice: Tension screw is included.

BT-SPU Drill Chuck Holder  
BT-SPU 直结式钻夹头刀柄

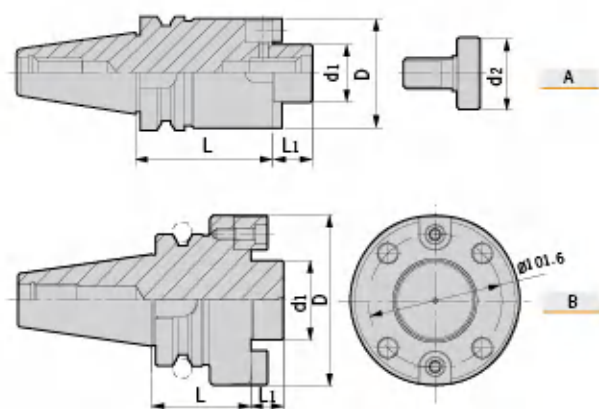


型号 Specification	D	d1	d2	L	L1	偏摆精度 R	夹持范围 Range	重量 Weight	
<b>BT30-</b> SPU8-80	46	37	8	80	55	0.05	0-8	0.72	
	SPU13-110	46	50	13	110	75	0.05	0.3-13	1.62
	SPU16-120	46	57	16	120	80	0.05	3-16	1.70
<b>BT40-</b> SPU8-85	63	37	8	85	55	0.05	0-8	1.36	
	SPU13-100	63	50	13	100	75	0.05	0.3-13	1.76
	SPU13-130	63	50	13	130	75	0.05	0.3-13	2.47
	SPU16-105	63	57	16	105	80	0.05	3-16	2.18
<b>BT50-</b> SPU8-90	100	37	8	90	55	0.05	0-8	4.32	
	SPU13-100	100	50	13	100	75	0.05	0.3-13	4.98
	SPU13-130	100	50	13	130	75	0.05	0.3-13	5.50
	SPU13-180	100	50	13	180	75	0.05	0.3-13	6.06
	SPU16-105	100	57	16	105	80	0.05	3-16	4.78
	SPU16-130	100	57	16	130	80	0.05	3-16	5.24
SPU16-190	100	57	16	190	80	0.05	3-16	6.66	

注: 报价时含扳手。  
Notice: Wrench is included.

# FMA

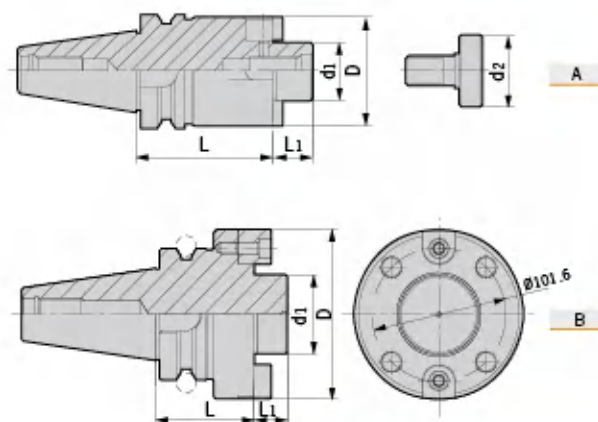
BT-FMA Face Mill Holder  
BT-FMA 平面铣刀柄 (直柄式)



型号 Specification	图示 Figure	D	d1	d2	L	L1	刀盘锁紧螺钉 Locking screw for cutter	垫圈 Washer	重量 Weight
<b>BT30-</b> FMA25.4-45	A	50	25.40	31.5	45	20	E120U300	-	1.10
FMA25.4-60	A	50	25.40	31.5	60	20	E120U300	-	1.30
FMA31.75-45	A	60	31.75	40	45	22	E160U350	-	1.35
<b>BT40-</b> FMA25.4-45	A	50	25.40	31.5	45	20	E120U300	-	1.54
FMA25.4-60	A	50	25.40	31.5	60	20	E120U300	-	1.77
FMA25.4-90	A	50	25.40	31.5	90	20	E120U300	-	2.23
FMA25.4-105	A	50	25.40	31.5	105	20	E120U300	-	2.47
FMA31.75-45	A	60	31.75	40	45	22	E160U350	FM-2	1.65
FMA31.75-75	A	60	31.75	40	75	22	E160U350	FM-2	2.31
FMA31.75-90	A	60	31.75	40	90	22	E160U350	FM-2	2.64
FMA38.10-60	A	75	38.10	50	60	25	E160U350	FM-3	2.36
<b>BT50-</b> FMA25.4-45	A	50	25.40	31.5	45	20	E120U300	-	3.87
FMA25.4-90	A	50	25.40	31.5	90	20	E120U300	-	4.54
FMA25.4-150	A	50	25.40	31.5	150	20	E120U300	-	5.47
FMA31.75-45	A	60	31.75	40	45	22	E160Z350-40	-	4.04
FMA31.75-75	A	60	31.75	40	75	22	E160Z350-40	-	4.72
FMA31.75-105	A	98	31.75	40	105	22	E160Z350-40	-	7.19
FMA38.10-45	A	80	38.10	50	45	25	E160Z350-50	-	4.27
FMA38.10-75	A	80	38.10	50	75	25	E160Z350-50	-	5.48
FMA50.80-45	A	95	50.80	65	45	36	E240Z350-65	-	4.74
FMA50.80-75	A	95	50.80	65	75	36	E240Z350-65	-	6.35
FMA47.625F-75	B	128.75	47.625	-	75	32	E160U500	-	7.60

# FMB

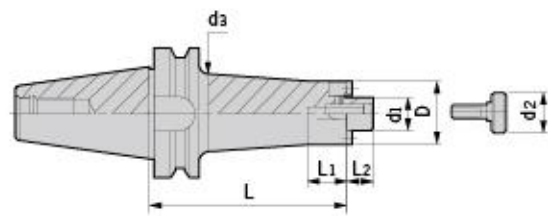
BT-FMB Face Mill Holder  
BT-FMB 平面铣刀柄 (直柄式)



型号 Specification	图示 Figure	D	d1	d2	L	L1	刀盘锁紧螺钉 Locking screw for cutter	垫圈 Washer	重量 Weight
<b>BT30-</b> FMB22-45	A	48	22	16	45	18	E100U300	-	0.85
FMB22-60	A	48	22	16	60	18	E100U300	-	1.25
FMB27-45	A	60	27	33	45	20	E120U300	FM-1	1.20
FMB27-60	A	60	27	33	60	20	E120U300	FM-1	1.35
FMB32-45	A	78	32	40	45	22	E160U350	-	1.35
<b>BT40-</b> FMB22-45	A	48	22	16	45	18	E100U300	-	1.31
FMB22-60	A	48	22	16	60	18	E100U300	-	1.51
FMB22-90	A	48	22	16	90	18	E100U300	-	1.94
FMB22-150	A	48	22	16	150	18	E100U300	-	2.70
FMB22-200	A	48	22	16	200	18	E100U300	-	3.43
FMB27-45	A	60	27	33	45	20	E120U300	FM-1	1.52
FMB27-60	A	60	27	33	60	20	E120U300	FM-1	1.86
FMB27-90	A	60	27	33	90	20	E120U300	FM-1	2.51
FMB27-105	A	60	27	33	105	20	E120U300	FM-1	2.86
FMB32-45	A	78	32	40	45	22	E160U350	FM-2	1.87
FMB32-60	A	78	32	40	60	22	E160U350	FM-2	2.32
FMB40-60	A	85	40	50	60	25	E200Z350-50	FM-3	2.47
<b>BT50-</b> FMB22-45	A	48	22	16	45	18	E100U300	-	3.79
FMB22-90	A	48	22	16	90	18	E100U300	-	4.53
FMB22-150	A	48	22	16	150	18	E100U300	-	5.27
FMB22-200	A	48	22	16	200	18	E100U300	-	5.97
FMB27-50	A	60	27	33	50	20	E120U300	FM-1	4.04
FMB27-90	A	60	27	33	90	20	E120U300	FM-1	4.94
FMB27-150	A	60	27	33	150	20	E120U300	FM-1	6.25
FMB27-200	A	60	27	33	200	20	E120U300	FM-1	7.37
FMB27-250	A	60	27	33	250	20	E120U300	FM-1	8.51
FMB32-50	A	78	32	40	50	22	E160Z350-40	-	4.40
FMB32-90	A	78	32	40	90	22	E160Z350-40	-	5.79
FMB32-150	A	78	32	40	150	22	E160Z350-40	-	7.10
FMB40-50	A	85	40	50	50	25	E200Z350-50	-	4.57
FMB40-90	A	85	40	50	90	25	E200Z350-50	-	6.45
FMB40-105	A	85	40	50	105	25	E200Z350-50	-	7.02
FMB60F-75	B	129	60	-	75	32	E160U500	-	8.00

# FMB

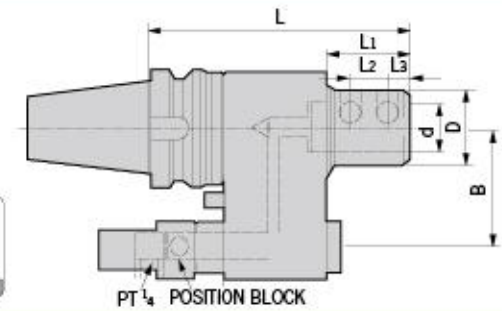
BT-FMB-BG Face Mill Holder With Extra Taper Shank  
BT-FMB-BG 平面铣刀柄 (加长斜度柄)



型号 Specification	D	d1	d2	d3	L	L1	L2	刀盘锁紧螺钉 Locking screw for cutter	重量 Weight
<b>BT40-FMB22-150BG</b>	48	22	16	50	150	30	18	E100U300	2.83
<b>FMB22-200BG</b>	48	22	16	50	200	30	18	E100U300	3.57
<b>FMB22-250BG</b>	48	22	16	50	250	30	18	E100U300	4.29
<b>FMB22-300BG</b>	48	22	16	50	300	30	18	E100U300	5.04
<b>BT50-FMB22-150BG</b>	58	22	16	62.5	150	58	18	E100U300	6.17
<b>FMB22-200BG</b>	58	22	16	62.5	200	58	18	E100U300	7.28
<b>FMB22-250BG</b>	58	22	16	62.5	250	58	18	E100U300	8.41
<b>FMB22-300BG</b>	58	22	16	62.5	300	58	18	E100U300	9.55

# SLO/CSO/PB

BT-SLO Oil-feed Holder  
BT-SLO油路刀柄

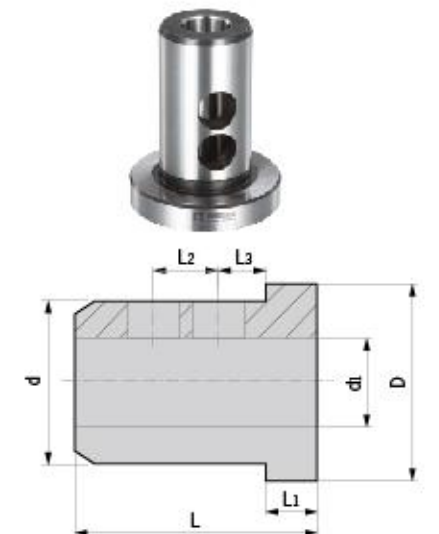


型号 Specification	D	d	L1	L2	L3	L	B	侧面压紧螺钉 Side-lock screw	扳手 Wrench	重量 Weight
<b>BT40- SLO32-150</b>	72	32	50	15	15	150	60/65	M120U200	L06D	5.33/5.35
<b>SLO40-150</b>	72	40	50	18	19	150	60/65	M140U200	L06D	5.04/5.07
<b>BT50- SLO32-160</b>	72	32	50	15	15	160	80/82	M120U200	L06D	8.63/8.65
<b>SLO40-160</b>	72	40	50	18	19	160	80/82	M140U200	L06D	8.33/8.35

注: 报价时含扳手, 请于订购时, 依据机台规格确认中心距离B的尺寸。  
Notice: 1. Wrench is included; 2. Before order please check the distance B.

## CSO Reducing Sleeve CSO 油路刀套

型号 Specification	D	d	d1	L1	L2	L3	L	重量 Weight
<b>CSO 32-16</b>	53	32	16	10	15	15	65	0.40
<b>32-20</b>	53	32	20	10	15	15	65	0.35
<b>32-25</b>	53	32	25	10	15	15	65	0.26
<b>40-16</b>	63	40	16	10	18	19	75	0.74
<b>40-20</b>	63	40	20	10	18	19	75	0.68
<b>40-25</b>	63	40	25	10	18	19	75	0.59
<b>40-32</b>	63	40	32	10	18	19	75	0.41

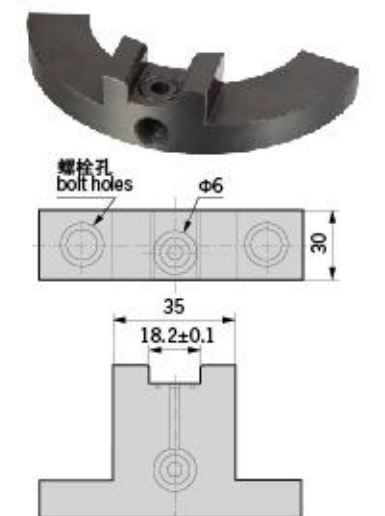


## PB Oil-feed Holder Positioning Block PB 油路止动块

型号 Specification	重量 Weight
<b>BT40-PB30-35</b>	0.53
<b>BT50-PB30-35</b>	0.46

注意: 在使用油路刀柄时, 止动块是必需的配套附件。  
止动块可安装到ATC等机器上。因此, 随着越来越多的不同型号的机器, 有必要与机械制造商协商正确安装。

Notice: Using oil-feed holder, positioning block is required.  
Make sure to apply of the right method when assembling this block to different machines.

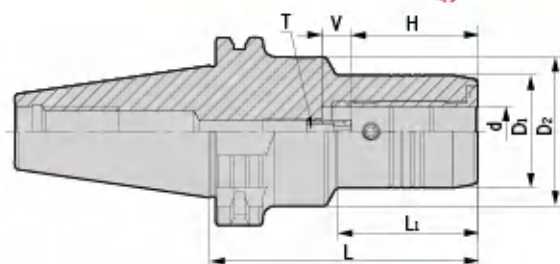


# DHP

SK-DHP Hydraulic Chuck  
SK-DHP 液压刀柄



MAX  
30,000  
min<sup>-1</sup>



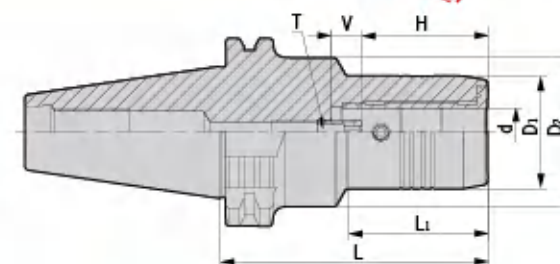
NEW

# DHP

SK-DHP Hydraulic Chuck  
SK-DHP 液压刀柄



MAX  
30,000  
min<sup>-1</sup>



NEW

型号 Specification	d	D1	D2	L1	L	H	V	T	压紧螺钉 Insert Screw	适用筒夹 Suit collet	扳手 Wrench	重量 Weight
SK40- DHP6-65	6	28	50	28	65	27.5	10	M050Z150-D	M080U120-D	-	T04-L	1.26
DHP6-80.5	6	28	50	44	80.5	27.5	10	M050Z150-D	M080U120-D	-	T04-L	1.35
DHP6-110	6	28	50	44	110	27.5	10	M050Z150-D	M080U120-D	-	T04-L	1.77
DHP8-65	8	30	50	23	65	27.5	10	M060Z150-D	M080U140-D	-	T04-L	1.26
DHP8-80.5	8	30	50	44	80.5	27.5	10	M060Z150-D	M080U140-D	-	T04-L	1.38
DHP8-110	8	30	50	44	110	27.5	10	M060Z150-D	M080U140-D	-	T04-L	1.84
DHP10-65	10	32	50	23	65	32.5	10	M060Z150-D	M080U140-D	-	T04-L	1.28
DHP10-80.5	10	32	50	44	80.5	32.5	10	M060Z150-D	M080U140-D	-	T04-L	1.40
DHP10-110	10	32	50	44	110	32.5	10	M060Z150-D	M080U140-D	-	T04-L	1.95
DHP12-65	12	34	50	23	65	37.5	10	M060Z150-D	M080U120-D	D12/OD12	T04-L	1.28
DHP12-80.5	12	34	50	44	80.5	37.5	10	M060Z150-D	M080U120-D	D12/OD12	T04-L	1.45
DHP12-110	12	34	50	44	110	37.5	10	M060Z150-D	M080U120-D	D12/OD12	T04-L	2.00
DHP14-75	14	36	50	30	75	37.5	10	M060Z150-D	M080U140-D	-	T04-L	1.40
DHP14-80.5	14	36	50	44	80.5	37.5	10	M060Z150-D	M080U140-D	-	T04-L	1.49
DHP14-110	14	36	50	44	110	37.5	10	M060Z150-D	M080U140-D	-	T04-L	2.02
DHP16-75	16	38	50	30	75	42.5	10	M080Z150P-D	M080U140-D	-	T04-L	1.44
DHP16-80.5	16	38	50	48	80.5	42.5	10	M080Z150P-D	M080U140-D	-	T04-L	1.55
DHP16-110	16	38	50	48	110	42.5	10	M080Z150P-D	M080U140-D	-	T04-L	2.21
DHP18-75	18	41	50	30	75	42.5	10	M080Z150P-D	M080U140-D	-	T04-L	1.48
DHP18-80.5	18	41	50	48	80.5	42.5	10	M080Z150P-D	M080U140-D	-	T04-L	1.58
DHP18-135	18	41	50	48	110	42.5	10	M080Z150P-D	M080U140-D	-	T04-L	2.65
DHP20-75	20	43	50	30	75	42.5	10	M080Z150P-D	M080U140-D	D20/OD20	T04-L	1.40
DHP20-80.5	20	43	50	48	80.5	42.5	10	M080Z150P-D	M080U140-D	D20/OD20	T04-L	1.65
DHP20-110	20	43	50	48	110	42.5	10	M080Z150P-D	M080U140-D	D20/OD20	T04-L	2.70
DHP25-80.5	25	57	66	26	80.5	51	10	M160Z150P-D	M100U120-D	-	T05-L	2.00
DHP32-80.5	32	63	80	26	80.5	55	10	M160Z150P-D	M100U180-D	D32/OD32	T05-L	2.20

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型号 Specification	d	D1	D2	L1	L	H	V	T	压紧螺钉 Insert Screw	适用筒夹 Suit collet	扳手 Wrench	重量 Weight
SK50- DHP6-90	6	28	50	44	90	27.5	10	M050Z150-D	M080U120-D	-	T04-L	4.03
DHP6-140	6	28	50	44	140	27.5	10	M050Z150-D	M080U120-D	-	T04-L	4.65
DHP8-90	8	30	50	44	90	27.5	10	M060Z150-D	M080U140-D	-	T04-L	4.06
DHP8-140	8	30	50	44	140	27.5	10	M060Z150-D	M080U140-D	-	T04-L	4.68
DHP10-90	10	32	50	44	90	32.5	10	M060Z150-D	M080U140-D	-	T04-L	4.08
DHP10-140	10	32	50	44	140	32.5	10	M060Z150-D	M080U140-D	-	T04-L	4.71
DHP12-90	12	34	50	44	90	37.5	10	M060Z150-D	M080U120-D	D12/OD12	T04-L	4.09
DHP12-140	12	34	50	44	140	37.5	10	M060Z150-D	M080U120-D	D12/OD12	T04-L	4.73
DHP14-90	14	36	50	47	90	37.5	10	M060Z150-D	M080U140-D	-	T04-L	4.10
DHP14-140	14	36	50	47	140	37.5	10	M060Z150-D	M080U140-D	-	T04-L	4.75
DHP16-90	16	38	50	48	90	42.5	10	M080Z150P-D	M080U140-D	-	T04-L	4.12
DHP16-140	16	38	50	48	140	42.5	10	M080Z150P-D	M080U140-D	-	T04-L	4.81
DHP18-90	18	41	50	48	90	42.5	10	M080Z150P-D	M080U140-D	-	T04-L	4.14
DHP18-140	18	41	50	48	140	42.5	10	M080Z150P-D	M080U140-D	-	T04-L	4.85
DHP20-80.5	20	43	50	44	80.5	42.5	10	M080Z150P-D	M080U140-D	D20/OD20	T04-L	4.11
DHP20-90	20	43	50	48	90	42.5	10	M080Z150P-D	M080U140-D	D20/OD20	T04-L	4.35
DHP20-110	20	43	50	48	110	42.5	10	M080Z150P-D	M080U140-D	D20/OD20	T04-L	4.65
DHP20-140	20	43	50	48	140	42.5	10	M080Z150P-D	M080U140-D	D20/OD20	T04-L	4.95
DHP25-105	25	57	-	85.9	105	51	10	M160Z150P-D	M100U120-D	-	T05-L	4.60
DHP25-140	25	57	-	120.9	140	51	10	M160Z150P-D	M100U120-D	-	T05-L	5.40
DHP32-115	32	63	-	95.9	115	55	10	M160Z150P-D	M100U180-D	D32/OD32	T05-L	4.85
DHP32-140	32	63	-	120.9	140	55	10	M160Z150P-D	M100U180-D	D32/OD32	T05-L	5.67

注：报价含扳手，筒夹需单独订购。  
Notice: Wrench is included, while collet shall be ordered separately.

### 特点 / Feature

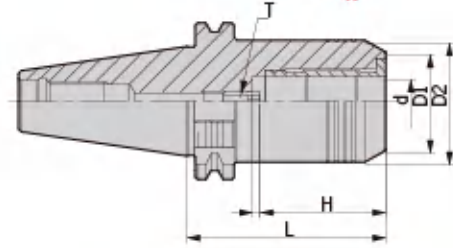
- DHP刀具系列用途高转速、高精密切削加工，切削效果佳。
- 动平衡设定: G2.5; 20,000 rpm。
- 3D处径向跳动 ≤ 0.003 mm。

- For high-speed and high precision cutting;
- Balanced: G2.5; 20,000 rpm;
- Runout (X3D): ≤ 0.003 mm.

# DHP

SK-DHP Short Design Hydraulic Chuck  
SK-DHP 短款液压刀柄

**NEW**



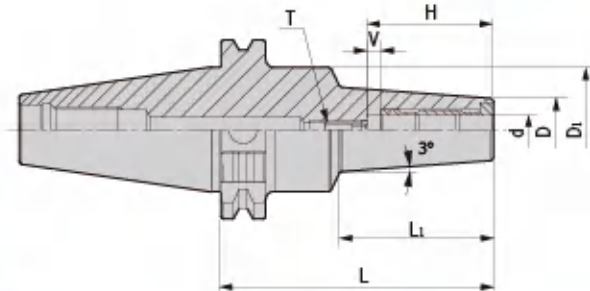
型号 Specification	d	D1	D2	L	H	V	T	适用筒夹 Suit collet	扳手 Wrench	重量 Weight
SK40- DHP20P-64.5	20	40	49.5	64.5	42.5	10	M080Z150P-D	D20/OD20	T04L	1.22
SK50- DHP32P-81	32	60	72	81	55	10	M160Z150P-D	D32/OD32	T05L	4.15

SK-DHP Super Slim Hydraulic Chuck  
SK-DHP 超细长液压刀柄

**NEW**



MAX  
30,000  
min<sup>-1</sup>



型号 Specification	d	D	D1	H	V	L	L1	T	压紧螺钉 Insert Screw	适用筒夹 Suit collet	T型加长扳手 Wrench-T	重量 Weight
SK40- DHP4S-115	4	11	46	24	-	115	72	-	M080U120-D	-	T04L	1.30
DHP6S-115	6	13	46	40	10	115	74	M050Z150-D	M080U140-D	-	T04L	1.40
DHP8S-115	8	15	46	40	10	115	74	M060Z150-D	M080U140-D	-	T04L	1.40
DHP10S-115	10	17	46	41	10	115	74	M080Z150P-D	M080U140-D	-	T04L	1.40
DHP12S-115	12	19	46	46	10	115	75	M080Z150P-D	M080U120-D	D12/OD12	T04L	1.40

注：报价时含扳手，筒夹需单独订购。  
Notice: Wrench is included, while collet shall be ordered separately.

### 特点 / Feature

- DHP刀具系列用途高转速、高精密切削加工，切削效果佳。
- 动平衡设定：G2.5；25,000 rpm。
- 3D处径向跳动 ≤ 0.003 mm。
- For high-speed and high precision cutting;
- Balanced: G2.5; 25,000 rpm;
- Runout (X3D): ≤ 0.003 mm.

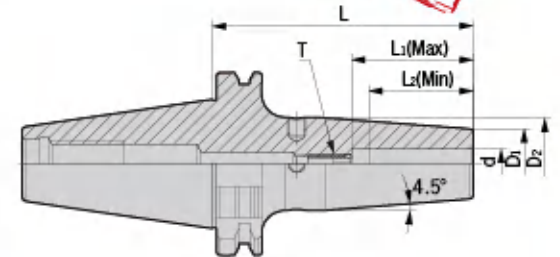
# SF

SK-SF Shrink Fit Holder  
SK-SF 烧结式热装刀柄（一体式）

**NEW**



MAX  
50,000  
min<sup>-1</sup>



型号 Specification	d	D1	D2	L	L1 (Max)	L2 (Min)	T	重量 Weight
SK30- SF3-80	3	10	10	80	-	9	-	0.35
SF4-80	4	10	10	80	-	12	-	0.40
SF5-80	5	10	10	80	-	15	-	0.43
SF6-80	6	21	27	80	36	26	M050Z150-D	0.45
SF8-80	8	21	27	80	36	26	M060Z150-D	0.50
SF10-80	10	24	32	80	42	32	M060Z150-D	0.55
SF12-80	12	24	32	80	47	37	M060Z150-D	0.62
SF16-80	16	27	34	80	50	40	M080Z150-P-D	0.68
SK40- SF3-90	3	10	10	90	-	9	-	1.00
SF4-90	4	10	10	90	-	12	-	1.10
SF5-90	5	10	10	90	-	15	-	1.00
SF6-90	6	21	27	90	36	26	M050Z150-D	1.15
SF6-130	6	21	27	130	36	26	M050Z150-D	1.20
SF6-160	6	21	27	160	36	26	M050Z150-D	1.40
SF6-200	6	21	27	200	36	26	M050Z150-D	1.90
SF8-90	8	21	27	90	36	26	M060Z150-D	1.15
SF8-130	8	21	27	130	36	26	M060Z150-D	1.30
SF8-160	8	21	27	160	36	26	M060Z150-D	1.50
SF8-200	8	21	27	200	36	26	M060Z150-D	1.90
SF10-90	10	24	32	90	42	32	M060Z150-D	1.20
SF10-130	10	24	32	130	42	32	M060Z150-D	1.50
SF10-160	10	24	32	160	42	32	M060Z150-D	1.80
SF10-200	10	24	32	200	42	32	M060Z150-D	1.90
SF12-90	12	24	32	90	47	37	M080Z150-P-D	1.30
SF12-130	12	24	32	130	47	37	M080Z150-P-D	1.60
SF12-160	12	24	32	160	47	37	M080Z150-P-D	1.80
SF12-200	12	24	32	200	47	37	M080Z150-P-D	2.00
SF14-90	14	27	34	90	47	37	M080Z150-P-D	1.30
SF14-130	14	27	34	130	47	37	M080Z150-P-D	1.60
SF14-160	14	27	34	160	47	37	M080Z150-P-D	1.80
SF14-200	14	27	34	200	47	37	M080Z150-P-D	2.00
SF16-90	16	27	34	90	50	40	M080Z150-P-D	1.40
SF16-130	16	27	34	130	50	40	M080Z150-P-D	1.70
SF16-160	16	27	34	160	50	40	M080Z150-P-D	1.95
SF16-200	16	27	34	200	50	40	M080Z150-P-D	2.20

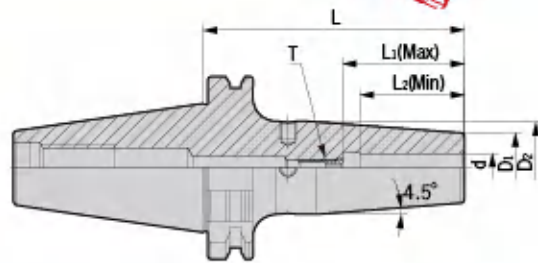
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# SF

SK-SF Shrink Fit Holder  
SK-SF 烧结式热装刀柄 (一体式)



MAX  
50,000  
min<sup>-1</sup>



**NEW**

型号 Specification	d	D1	D2	L	L1 (Max)	L2 (Min)	T	重量 Weight
<b>SK40-</b> SF18-90	18	33	42	90	50	40	M080Z150-P-D	1.50
SF18-130	18	33	42	130	50	40	M080Z150-P-D	1.80
SF18-160	18	33	42	160	50	40	M080Z150-P-D	2.00
SF18-200	18	33	42	200	50	40	M080Z150-P-D	2.30
SF20-90	20	33	42	90	52	42	M080Z150-P-D	1.55
SF20-130	20	33	42	130	52	42	M080Z150-P-D	1.85
SF20-160	20	33	42	160	52	42	M080Z150-P-D	2.05
SF20-200	20	33	42	200	52	42	M080Z150-P-D	2.35
SF25-100	25	44	53	100	58	48	M160Z150-P-D	1.65
SF25-130	25	44	53	130	58	48	M160Z150-P-D	1.90
SF25-160	25	44	53	160	58	48	M160Z150-P-D	2.20
SF25-200	25	44	53	200	58	48	M160Z150-P-D	2.50
SF32-100	32	44	53	100	58	48	M160Z150-P-D	2.00
SF32-130	32	44	53	130	58	48	M160Z150-P-D	2.30
SF32-160	32	44	53	160	58	48	M160Z150-P-D	2.60
<b>SK50-</b> SF6-100	6	21	27	100	36	26	M050Z150-D	3.70
SF6-130	6	21	27	130	36	26	M050Z150-D	3.80
SF6-160	6	21	27	160	36	26	M050Z150-D	3.88
SF6-200	6	21	27	200	36	26	M050Z150-D	4.00
SF8-100	8	21	27	100	36	26	M060Z150-D	3.60
SF8-130	8	21	27	130	36	26	M060Z150-D	3.70
SF8-160	8	21	27	160	36	26	M060Z150-D	3.90
SF8-200	8	21	27	200	36	26	M060Z150-D	4.00
SF10-100	10	24	32	100	42	32	M060Z150-D	3.65
SF10-130	10	24	32	130	42	32	M060Z150-D	3.78
SF10-160	10	24	32	160	42	32	M060Z150-D	4.00
SF10-200	10	24	32	200	42	32	M060Z150-D	4.15
SF12-100	12	24	32	100	47	37	M080Z150-P-D	3.70
SF12-130	12	24	32	130	47	37	M080Z150-P-D	3.80
SF12-160	12	24	32	160	47	37	M080Z150-P-D	4.10
SF12-200	12	24	32	200	47	37	M080Z150-P-D	4.25
SF14-100	14	27	34	100	47	37	M080Z150-P-D	3.70
SF14-130	14	27	34	130	47	37	M080Z150-P-D	3.80
SF14-160	14	27	34	160	47	37	M080Z150-P-D	4.10
SF14-200	14	27	34	200	47	37	M080Z150-P-D	4.25

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# SF/DSF

SK-SF Shrink Fit Holder  
SK-SF 烧结式热装刀柄 (一体式)

型号 Specification	d	D1	D2	L	L1 (Max)	L2 (Min)	T	重量 Weight
<b>SK50-</b> SF16-100	16	27	34	100	50	40	M080Z150-P-D	3.75
SF16-130	16	27	34	130	50	40	M080Z150-P-D	3.88
SF16-160	16	27	34	160	50	40	M080Z150-P-D	4.20
SF16-200	16	27	34	200	50	40	M080Z150-P-D	4.50
SF18-100	18	33	42	100	50	40	M080Z150-P-D	3.75
SF18-130	18	33	42	130	50	40	M080Z150-P-D	3.88
SF18-160	18	33	42	160	50	40	M080Z150-P-D	4.20
SF18-200	18	33	42	200	50	40	M080Z150-P-D	4.50
SF20-100	20	33	42	100	52	42	M080Z150-P-D	3.80
SF20-130	20	33	42	130	52	42	M080Z150-P-D	4.00
SF20-160	20	33	42	160	52	42	M080Z150-P-D	4.30
SF20-200	20	33	42	200	52	42	M080Z150-P-D	4.60
SF25-100	25	44	53	100	58	48	M160Z150-P-D	3.82
SF25-130	25	44	53	130	58	48	M160Z150-P-D	4.05
SF25-160	25	44	53	160	58	48	M160Z150-P-D	4.33
SF25-200	25	44	53	200	58	48	M160Z150-P-D	4.65
SF32-100	32	44	53	100	58	48	M160Z150-P-D	4.00
SF32-130	32	44	53	130	58	48	M160Z150-P-D	4.40
SF32-160	32	44	53	160	58	48	M160Z150-P-D	4.70
SF32-200	32	44	53	200	58	48	M160Z150-P-D	5.00

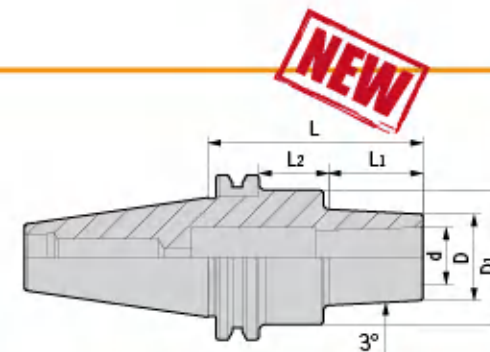
### 特点 / Feature

- 动平衡设定: G2.5; 25,000 rpm。 ■Balanced: G2.5; 25,000 rpm;
- 3D处径向跳动 ≤ 0.003 mm。 ■Runout (X3D): ≤ 0.003 mm.

SK-DSF Shrink Fit Holder  
SK-DSF 烧结式热装刀柄 (分体式)



MAX  
50,000  
min<sup>-1</sup>



**NEW**

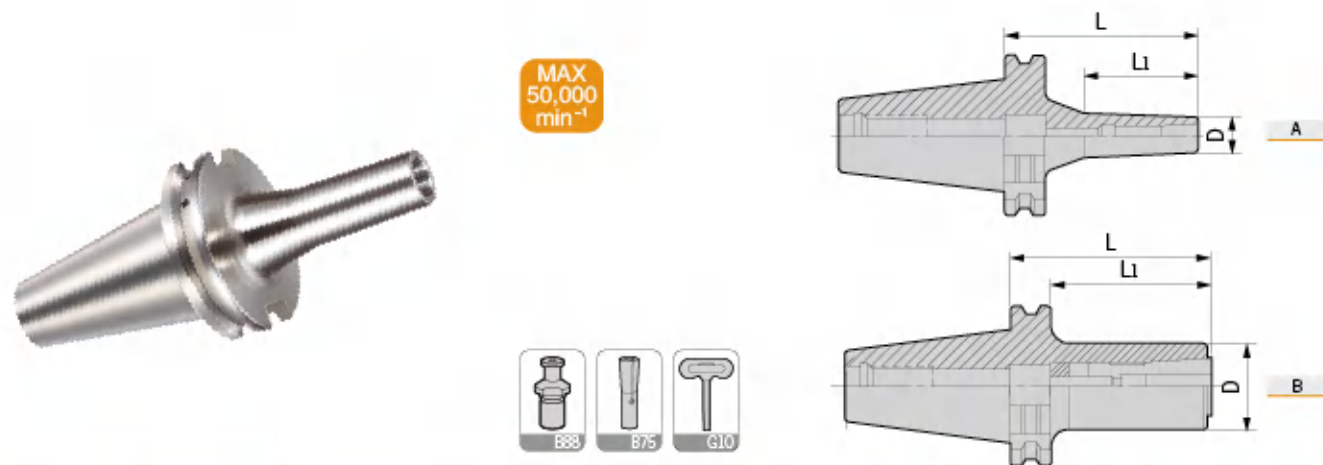
型号 Specification	D	D1	L1	L2	L	拉紧螺钉 Tension screw	止动螺母 Stop nut	T型扳手 Wrench	重量 Weight
<b>SK40-</b> DSF12-45	38	-	18	-	50	E100Z300	ZD12-1	T06	1.08
DSF12-75	38	-	48	-	75	E100Z300	ZD12-1	T06-L	1.40
DSF12-135	41	-	108	-	135	E100Z300	ZD12-1	T06-L	2.20
<b>SK50-</b> DSF12-75	38	65	25	21	75	E100Z400	ZD12-1	T06-L	4.00
DSF12-105	41	65	55	21	105	E100Z700	ZD12-1	T06-L	4.40
DSF12-135	41	65	85	21	135	E100Z1000	ZD12-1	T06-L	4.70

注: 报价时含扳手。  
Notice: Wrench is included.

### 特点 / Feature

- 动平衡设定: G2.5; 25,000 rpm。 ■Balanced: G2.5; 25,000 rpm;
- 3D处径向跳动 ≤ 0.003 mm。 ■Runout (X3D): ≤ 0.003 mm.

## SK-DC Precision Slim Collet Chuck SK-DC 小径精密筒夹刀柄



型号 Specification	图示 Figure	D	L1	L	适用筒夹 Suit collet	拉紧螺钉 Tension screw	止动螺母 Stop nut	扳手 Wrench	重量 Weight
<b>SK40- DC6-90</b>	A	13	45	90	DC6	E050U450	ZD6-2	T04-L	1.05
<b>DC8-90</b>	A	22	53	90	DC8	E060U600	ZD8-1	T05-L	1.10
<b>DC10-90</b>	B	28	74	90	DC10	E080U300	ZD10-2	T06-L	1.20
<b>DC12-90</b>	B	34	74	90	DC12	E100U350	ZD12-1	T08-L	1.28
<b>SK50- DC10-110</b>	A	28	57	110	DC10	E080U800	ZD12-1	T06-L	4.20
<b>DC12-110</b>	B	34	94	110	DC12	E100U350	ZD12-1	T08-L	4.70

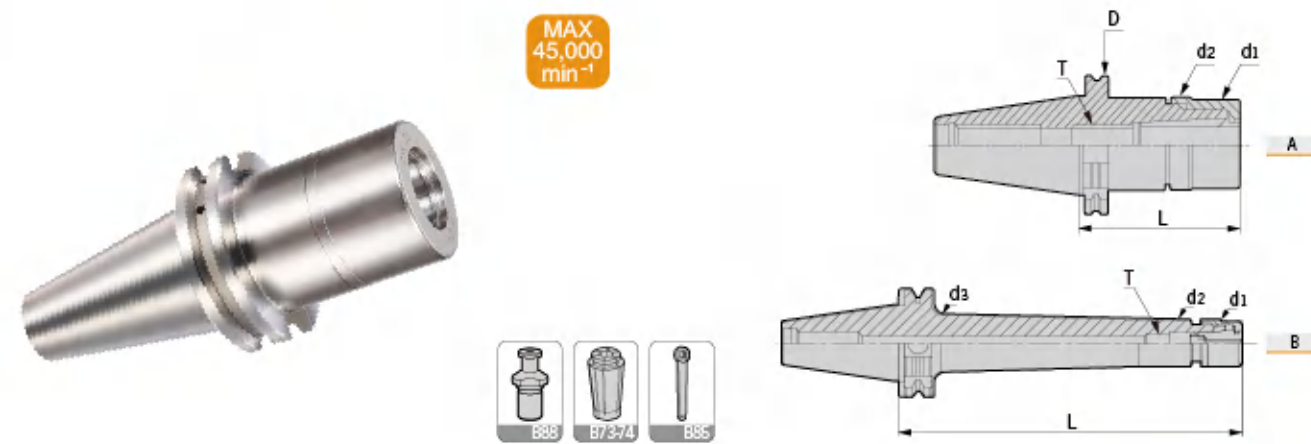
注：报价时含扳手，筒夹需单独订购。  
Notice: Wrench is included, while collet shall be ordered separately.

### 特点 / Feature

- 动平衡设定: G2.5; 30,000 rpm。
- 3D处径向跳动 ≤ 0.003 mm。

- Balanced: G2.5; 30,000 rpm;
- Runout (X3D): ≤ 0.003 mm.

## SK-GSK High Precision Collet Chuck SK-GSK 高速精密筒夹刀柄

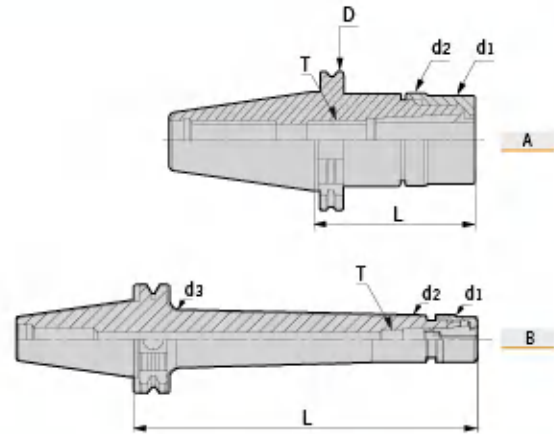


型号 Specification	图示 Figure	D	d1	d2	d3	L	T	适用筒夹 Suit collet	重量 Weight
<b>SK30- GSK6-70</b>	A	50	19.5	20	-	70	M060F200	DSK6	0.45
<b>GSK6-100</b>	A	50	19.5	20	-	100	M060F200	DSK6	0.64
<b>GSK10-70</b>	A	50	27	27.5	-	70	M100F200	DSK10	0.46
<b>GSK10-100</b>	A	50	27	27.5	-	100	M100F200	DSK10	0.70
<b>GSK16-100</b>	A	50	40	40.5	-	100	M160F200	DSK16	1.00
<b>GSK16-120</b>	A	50	40	40.5	-	120	M160F200	DSK16	1.25
<b>GSK16-150</b>	A	50	40	40.5	-	150	M160F200	DSK16	1.35
<b>GSK20-70</b>	A	50	48	48.5	-	70	M160F200	DSK20	0.75
<b>GSK20-100</b>	A	50	48	48.5	-	100	M160F200	DSK20	1.15
<b>GSK25-100</b>	A	50	55	55	-	100	M200F200-P2	DSK25	1.20
<b>SK40- GSK6-70</b>	A	63.55	19.5	20	-	70	M060F200	DSK6	1.05
<b>GSK6-100</b>	A	63.55	19.5	20	-	100	M060F200	DSK6	1.25
<b>GSK6-120</b>	A	63.55	19.5	20	-	120	M060F200	DSK6	1.39
<b>GSK6-150L</b>	B	63.55	19.5	20	26.4	150	M060F200	DSK6	1.55
<b>GSK10-70</b>	A	63.55	27	27.5	-	70	M100F200	DSK10	1.10
<b>GSK10-100</b>	A	63.55	27	27.5	-	100	M100F200	DSK10	1.30
<b>GSK10-120</b>	A	63.55	27	27.5	-	120	M100F200	DSK10	1.42
<b>GSK10-150</b>	A	63.55	27	27.5	-	150	M100F200	DSK10	1.55
<b>GSK10-200L</b>	B	63.55	27	27.5	33.7	200	M100F200	DSK10	1.85
<b>GSK16-70</b>	A	63.55	40	40.5	-	70	M160F200	DSK16	1.21
<b>GSK16-100</b>	A	63.55	40	40.5	-	100	M160F200	DSK16	1.42
<b>GSK16-120</b>	A	63.55	40	40.5	-	120	M160F200	DSK16	1.61
<b>GSK16-150</b>	A	63.55	40	40.5	-	150	M160F200	DSK16	1.80
<b>GSK16-200L</b>	B	63.55	40	40.5	45.7	200	M160F200	DSK16	1.95
<b>GSK20-70</b>	A	63.55	48	48.5	-	70	M160F200	DSK20	1.52
<b>GSK20-100</b>	A	63.55	48	48.5	-	100	M160F200	DSK20	1.68
<b>GSK20-120</b>	A	63.55	48	48.5	-	120	M160F200	DSK20	1.90
<b>GSK20-150</b>	A	63.55	48	48.5	-	150	M160F200	DSK20	2.10
<b>GSK20-200L</b>	B	63.55	48	48.5	55.7	200	M160F200	DSK20	2.30
<b>GSK25-100</b>	A	63.55	55	55	-	100	M200F200-P2	DSK25	1.81
<b>GSK25-120</b>	A	63.55	55	55	-	120	M200F200-P2	DSK25	2.05
<b>GSK25-150</b>	A	63.55	55	55	-	150	M200F200-P2	DSK25	2.30
<b>GSK25-200L</b>	B	63.55	55	55	59.9	200	M200F200-P2	DSK25	2.65

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MAX  
45,000  
min<sup>-1</sup>



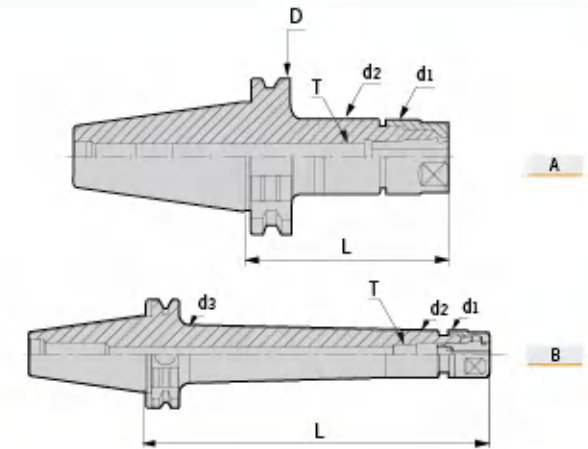
型号 Specification	图示 Figure	D	d1	d2	d3	L	T	适用筒夹 Suit collet	重量 Weight
SK50- GSK10-105	A	97.5	27	27.5	-	105	M100F200	DSK10	3.78
GSK10-135	A	97.5	27	27.5	-	135	M100F200	DSK10	4.00
GSK10-165	A	97.5	27	27.5	-	165	M100F200	DSK10	4.33
GSK10-200L	B	97.5	27	27.5	35.2	200	M100F200	DSK10	4.75
GSK16-100	A	97.5	40	40.5	-	100	M160F200	DSK16	3.93
GSK16-125	A	97.5	40	40.5	-	125	M160F200	DSK16	4.17
GSK16-150	A	97.5	40	40.5	-	150	M160F200	DSK16	4.49
GSK16-200L	B	97.5	40	40.5	48.4	200	M160F200	DSK16	5.50
GSK16-250L	B	97.5	40	40.5	48.4	250	M160F200	DSK16	6.50
GSK20-100	A	97.5	48	48.5	-	100	M160F200	DSK20	4.10
GSK20-125	A	97.5	48	48.5	-	125	M160F200	DSK20	4.32
GSK20-150	A	97.5	48	48.5	-	150	M160F200	DSK20	4.65
GSK20-200	A	97.5	48	48.5	-	200	M160F200	DSK20	5.75
GSK20-250L	B	97.5	48	48.5	55.4	250	M160F200	DSK20	6.78
GSK20-300L	B	97.5	48	48.5	55.4	300	M160F200	DSK20	7.80
GSK25-100	A	97.5	55	55	-	100	M200F200-P2	DSK25	4.10
GSK25-125	A	97.5	55	55	-	125	M200F200-P2	DSK25	4.62
GSK25-150	A	97.5	55	55	-	150	M200F200-P2	DSK25	5.10
GSK25-200	A	97.5	55	55	-	200	M200F200-P2	DSK25	5.81
GSK25-250L	B	97.5	55	55	61.4	250	M200F200-P2	DSK25	6.85
GSK25-300L	B	97.5	55	55	61.4	300	M200F200-P2	DSK25	8.00

注：“T”轴向限位螺钉、筒夹与扳手需单独另购。  
Notice: “T” Axial fix screw, collets and wrenchs shall be ordered separately.

### 特点 / Feature

- 动平衡设定: G2.5; 25,000 rpm.
- 3D处径向跳动 ≤ 0.005 mm.

- Balanced: G2.5; 25,000 rpm;
- Runout (X3D): ≤ 0.005 mm.

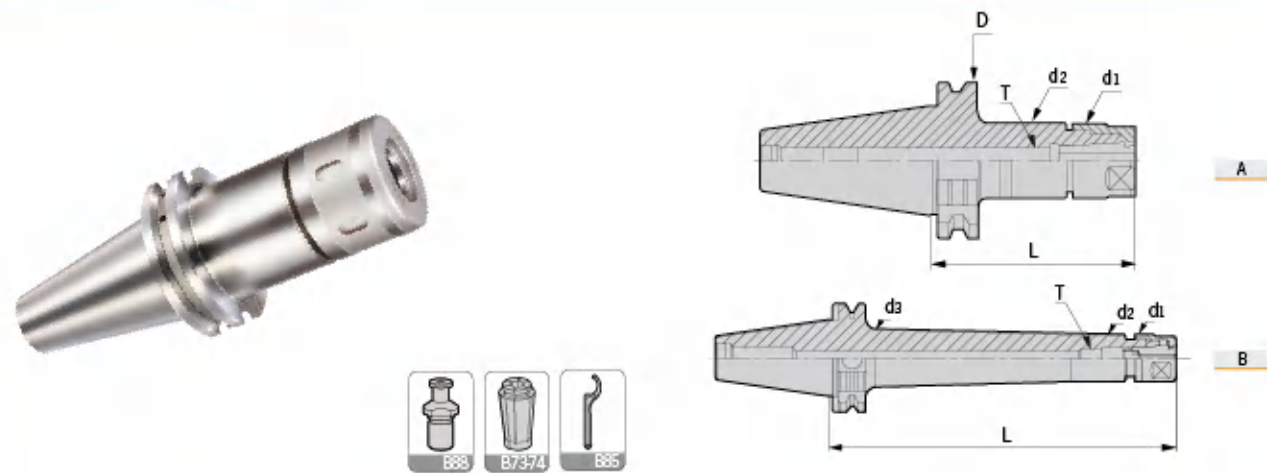


型号 Specification	图示 Figure	D	d1	d2	d3	L	T	适用筒夹 Suit collet	重量 Weight
SK30- DSK6-70	A	50	20	20	-	70	M060F200	DSK6	0.45
DSK6-100	A	50	20	20	-	100	M060F200	DSK6	0.64
DSK10-70	A	50	27.5	27.5	-	70	M100F200	DSK10	0.46
DSK10-100	A	50	27.5	27.5	-	100	M100F200	DSK10	0.70
DSK16-100	A	50	40.5	40.5	-	100	M160F200	DSK16	1.00
DSK16-120	A	50	40.5	40.5	-	120	M160F200	DSK16	1.25
DSK16-150	A	50	40.5	40.5	-	150	M160F200	DSK16	1.35
DSK20-70	A	50	48.5	48.5	-	70	M160F200	DSK20	0.75
DSK20-100	A	50	48.5	48.5	-	100	M160F200	DSK20	1.15
DSK25-100	A	50	55	55	-	100	M200F200-P2	DSK25	1.20
SK40- DSK6-70	A	63.55	20	20	-	70	M060F200	DSK6	1.05
DSK6-100	A	63.55	20	20	-	100	M060F200	DSK6	1.25
DSK6-120	A	63.55	20	20	-	120	M060F200	DSK6	1.39
DSK6-150L	B	63.55	20	20	26.4	150	M060F200	DSK6	1.55
DSK10-70	A	63.55	27.5	27.5	-	70	M100F200	DSK10	1.10
DSK10-100	A	63.55	27.5	27.5	-	100	M100F200	DSK10	1.30
DSK10-120	A	63.55	27.5	27.5	-	120	M100F200	DSK10	1.42
DSK10-150	A	63.55	27.5	27.5	-	150	M100F200	DSK10	1.55
DSK10-200L	B	63.55	27.5	27.5	33.7	200	M100F200	DSK10	1.85
DSK16-70	A	63.55	40.5	40.5	-	70	M160F200	DSK16	1.21
DSK16-100	A	63.55	40.5	40.5	-	100	M160F200	DSK16	1.42
DSK16-120	A	63.55	40.5	40.5	-	120	M160F200	DSK16	1.61
DSK16-150	A	63.55	40.5	40.5	-	150	M160F200	DSK16	1.80
DSK16-200L	B	63.55	40.5	40.5	45.7	200	M160F200	DSK16	1.95
DSK20-70	A	63.55	48.5	48.5	-	70	M160F200	DSK20	1.52
DSK20-100	A	63.55	48.5	48.5	-	100	M160F200	DSK20	1.68
DSK20-120	A	63.55	48.5	48.5	-	120	M160F200	DSK20	1.90
DSK20-150	A	63.55	48.5	48.5	-	150	M160F200	DSK20	2.10
DSK20-200L	B	63.55	48.5	48.5	55.7	200	M160F200	DSK20	2.30
DSK25-100	A	63.55	55	55	-	100	M200F200-P2	DSK25	1.81
DSK25-120	A	63.55	55	55	-	120	M200F200-P2	DSK25	2.05
DSK25-150	A	63.55	55	55	-	150	M200F200-P2	DSK25	2.30
DSK25-200L	B	63.55	55	55	59.9	200	M200F200-P2	DSK25	2.65

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# DSK

SK-DSK High Precision Collet Chuck  
SK-DSK 高速精密筒夹刀柄



型号 Specification	图示 Figure	D	d1	d2	d3	L	T	适用筒夹 Suit collet	重量 Weight
<b>SK50-</b> DSK10-105	A	97.5	27.5	27.5	-	105	M100F200	DSK10	3.78
DSK10-135	A	97.5	27.5	27.5	-	135	M100F200	DSK10	4.00
DSK10-165	A	97.5	27.5	27.5	-	165	M100F200	DSK10	4.33
DSK10-200L	B	97.5	27.5	27.5	35.2	200	M100F200	DSK10	4.75
DSK16-100	A	97.5	40.5	40.5	-	100	M160F200	DSK16	3.93
DSK16-125	A	97.5	40.5	40.5	-	125	M160F200	DSK16	4.17
DSK16-150	A	97.5	40.5	40.5	-	150	M160F200	DSK16	4.49
DSK16-200L	B	97.5	40.5	40.5	48.4	200	M160F200	DSK16	5.50
DSK16-250L	B	97.5	40.5	40.5	48.4	250	M160F200	DSK16	6.50
DSK20-100	A	97.5	48.5	48.5	-	100	M160F200	DSK20	4.10
DSK20-125	A	97.5	48.5	48.5	-	125	M160F200	DSK20	4.32
DSK20-150	A	97.5	48.5	48.5	-	150	M160F200	DSK20	4.65
DSK20-200	A	97.5	48.5	48.5	-	200	M160F200	DSK20	5.75
DSK20-250L	B	97.5	48.5	48.5	55.4	250	M160F200	DSK20	6.78
DSK20-300L	B	97.5	48.5	48.5	55.4	300	M160F200	DSK20	7.80
DSK25-100	A	97.5	55	55	-	100	M200F200-P2	DSK25	4.1
DSK25-125	A	97.5	55	55	-	125	M200F200-P2	DSK25	4.62
DSK25-150	A	97.5	55	55	-	150	M200F200-P2	DSK25	5.10
DSK25-200	A	97.5	55	55	-	200	M200F200-P2	DSK25	5.81
DSK25-250L	B	97.5	55	55	61.4	250	M200F200-P2	DSK25	6.85
DSK25-300L	B	97.5	55	55	61.4	300	M200F200-P2	DSK25	8.00

注：“T”轴向限位螺钉、筒夹与扳手需单独另购。  
Notice: “T” Axial fix screw, collets and wrenches shall be ordered separately.

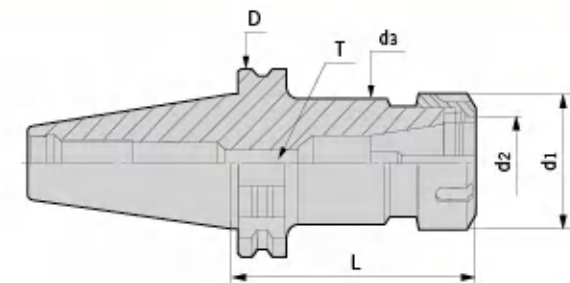
## 特点 / Feature

- 动平衡设定: G2.5; 20,000 rpm.
- 3D处径向跳动 ≤ 0.005 mm.

- Balanced: G2.5; 20,000 rpm;
- Runout (X3D): ≤ 0.005 mm.

# ER

SK-ER Spring Collet Chuck  
SK-ER 弹性筒夹刀柄



型号 Specification	D	d1	d2	d3	L	T	重量 Weight
<b>SK30-</b> ER11-60	50	19	11	19	60	M060F200	0.45
ER16-70	50	28	16	28	70	M100F200	0.52
ER16-100	50	28	16	28	100	M100F200	0.64
ER20-70	50	34	20	34	70	M120F200	0.57
ER20-100	50	34	20	34	100	M120F200	0.76
ER25-70	50	42	25	42	70	M160F200	0.66
ER32-70	50	50	32	50	70	M160F200	0.72
<b>SK40-</b> ER11-80	63.55	19	11	19	80	M060F200	0.70
ER11-125	63.55	19	11	19	125	M060F200	0.96
ER16-70	63.55	28	16	28	70	M100F200	1.08
ER16-100	63.55	28	16	28	100	M100F200	1.21
ER16-125	63.55	28	16	28	125	M100F200	1.30
ER16-150	63.55	28	16	28	150	M100F200	1.44
ER20-70	63.55	34	20	34	70	M120F200	1.12
ER20-100	63.55	34	20	34	100	M120F200	1.33
ER20-135	63.55	34	20	34	135	M120F200	1.48
ER20-160	63.55	34	20	34	160	M120F200	1.65
ER25-70	63.55	42	25	42	70	M160F200	1.22
ER25-100	63.55	42	25	42	100	M160F200	1.49
ER25-150	63.55	42	25	42	150	M160F200	1.97
ER25-200	63.55	42	25	42	200	M160F200	2.23
ER32-70	63.55	50	32	50	70	M160F200	1.27
ER32-100	63.55	50	32	50	100	M160F200	1.70
ER32-150	63.55	50	32	50	150	M160F200	2.39
ER40-80	63.55	63	40	63	80	M200F200-P2	1.62
ER40-100	63.55	63	40	63	100	M200F200-P2	2.08
ER40-135	63.55	63	40	63	135	M200F200-P2	2.75
<b>SK50-</b> ER16-100	97.5	28	16	28	100	M100F200	3.77
ER16-135	97.5	28	16	28	135	M100F200	3.95
ER16-160	97.5	28	16	28	160	M100F200	4.04
ER16-200	97.5	28	16	28	200	M100F200	5.04
ER20-100	97.5	34	20	34	100	M120F200	3.86
ER20-135	97.5	34	20	34	135	M120F200	4.08
ER20-160	97.5	34	20	34	160	M120F200	4.22

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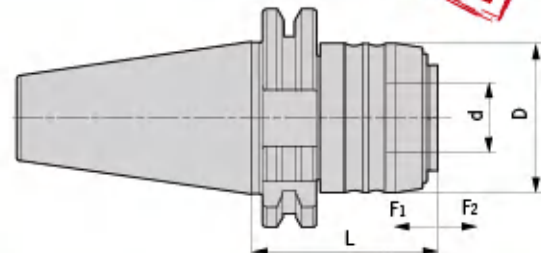
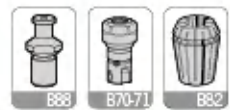
# ER/VER

SK-ER Spring Collet Chuck  
SK-ER 弹性筒夹刀柄

型号 Specification	D	d1	d2	d3	L	T	重量 Weight
SK50- ER25-70	97.5	42	25	42	70	M160F200	3.64
ER25-100	97.5	42	25	42	100	M160F200	4.26
ER25-150	97.5	42	25	42	150	M160F200	4.54
ER25-200	97.5	42	25	42	200	M160F200	5.01
ER32-80	97.5	50	32	50	80	M160F200	3.80
ER32-120	97.5	50	32	50	120	M160F200	4.35
ER32-160	97.5	50	32	50	160	M160F200	4.82
ER32-200	97.5	50	32	50	200	M160F200	5.32
ER40-80	97.5	63	40	63	80	M200F200-P2	3.93
ER40-120	97.5	63	40	63	120	M200F200-P2	4.86
ER40-160	97.5	63	40	63	160	M200F200-P2	5.51
ER40-200	97.5	63	40	63	200	M200F200-P2	6.21

注：筒夹和扳手需单独订购。  
Notice: Collets and wrenchs shall be ordered separately.

SK-VER Split Synch Tapping Chuck  
SK-VER 分体式微补偿攻牙刀柄



**NEW**

型号 Specification	D	d	L	F1	F2	攻牙能力 Tapping capacity	适用延长杆 Suit extender	重量 Weight
SK40- VER16-53	43.5	20	53	0.2	1	M3-M12	VER16-M24	1.05
VER20-80	52	25	80	0.2	1	M5-M16	VER20-M26	1.22
VER25-90	60	32	90	0.2	1	M6-M20	VER25-M28	1.42
VER32-106	72	40	106	0.2	1	M10-M24	VER32-M30	1.71
VER40-115	87	50	115	0.2	1	M14-M33	VER40-M32	2.15
SK50- VER16-53	43.5	20	53	0.2	1	M3-M12	VER16-M24	3.36
VER20-83	52	25	83	0.2	1	M5-M16	VER20-M26	3.55
VER25-74	60	32	74	0.2	1	M6-M20	VER25-M28	3.65
VER32-100	72	40	100	0.2	1	M10-M24	VER32-M30	4.15
VER40-115	87	50	115	0.2	1	M14-M33	VER40-M32	4.35

注：延长杆、筒夹和扳手需单独订购。  
Notice: Extender, collets and wrenchs shall be ordered separately.

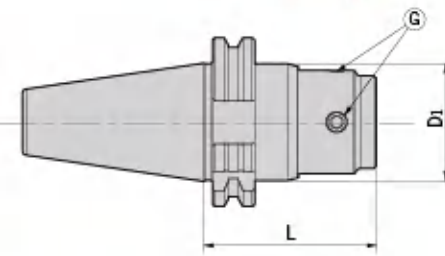
### 特点 / Feature

- 显著提高丝锥使用寿命80%以上。
- 有效提高加工生产效率2-4倍。
- 明显提高表面加工质量与精度。
- 选用ER攻丝专用筒夹夹持。
- 无需依赖设备精度。
- 挤压丝锥首选。

- Tap tool life increased by 80% and above;
- Work efficiency increased 2 to 4 times;
- Better surface quality;
- With ER tapping collet;
- Best choice for squeeze taps.

# TPG/TPM

SK-TPG Split Rigid Tapping Chuck  
SK-TPG 分体式刚性攻牙刀柄



**NEW**

型号 Specification	D1	L	G	适用筒夹 Suit collet	L型扳手 Wrench	攻牙能力 Tapping capacity	重量 Weight
SK40- TPG312	44	60	M080Z100-30P	TPE312	L04D	M3-M12	1.23
TPG1024	56	87	M100Z120-30P	TPE1024	L05D	M10-M24	1.39
SK50- TPG312	44	60	M080Z100-30P	TPE312	L04D	M3-M12	3.88
TPG1024	56	70	M100Z120-30P	TPE1024	L05D	M10-M24	4.09

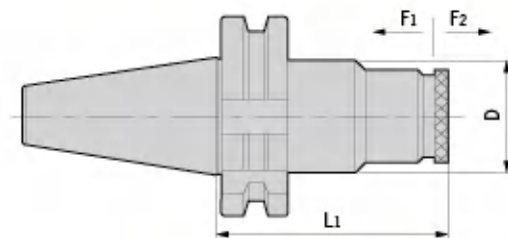
注：筒夹需单独订购。  
Notice: Collets shall be ordered separately.

### 特点 / Feature

- 采用法兰接触设计，以求更优秀的刚性和同心度。
- 支持丝锥快速更换。
- 中心内冷设计。
- 筒夹长度6种选择（33~200mm）。

- Flange design, supply for better synchrony & rigidity.
- Quick assembling for taps.
- With internal coolant system.
- 6 sizes available for tapping collet (33~200mm).

SK-TPM Tapping Chuck With High Rigidity  
SK-TPM 扭力伸缩攻牙刀柄



型号 Specification	D	F1	F2	L	适用筒夹 Suit collet	攻牙能力 Tapping capacity	重量 Weight
SK40- TPM316	50	10	20	96	TPD316	M3-M16	1.56
TPM830	66	10	25	143.6	TPD830	M8-M30	2.62
SK50- TPM316	50	10	20	96	TPD316	M3-M16	4.24
TPM830	66	10	25(80)	143.6	TPD830	M8-M30	4.77

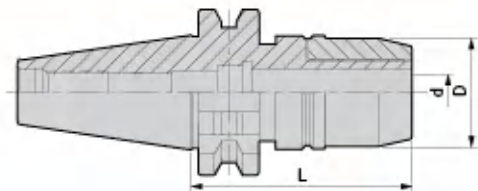
注：筒夹需单独订购。  
Notice: Collets shall be ordered separately.

# HPM/HPC

SK-HPM High-Speed Power Chuck  
SK-HPM 高速强力刀柄



MAX  
30,000  
min<sup>-1</sup>

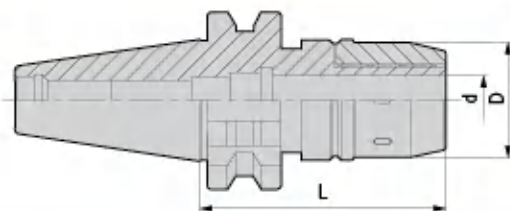


型号 Specification	范围 Range	D	d	L	适用筒夹 Suit collet	重量 Weight
SK30- HPM20-75	6-20	54	20	75	SC20	1.80
SK40- HPM20-80	6-20	54	20	80	SC20	2.40
HPM20-105	6-20	54	20	105	SC20	2.50
HPM20-135	6-20	54	20	135	SC20	2.80
HPM32-105	6-32	68	32	105	SC32	2.80
HPM32-135	6-32	68	32	135	SC32	3.00
SK50- HPM20-105	6-20	54	20	105	SC20	4.50
HPM20-135	6-20	54	20	135	SC20	4.70
HPM32-110	6-32	68	32	110	SC32	5.20
HPM32-135	6-32	68	32	135	SC32	5.90

SK-HPC High-Speed Power Chuck  
SK-HPC 高速强力刀柄



MAX  
30,000  
min<sup>-1</sup>



型号 Specification	范围 Range	D	d	L	适用筒夹 Suit collet	重量 Weight
SK30- HPC16-70	3-16	46	16	70	SC16	1.40
HPC20-75	6-20	51.5	20	75	SC20	1.80
SK40- HPC16-70	3-16	50	16	70	SC16	1.60
HPC16-105	3-16	50	16	105	SC16	1.80
HPC16-135	3-16	50	16	135	SC16	2.30
HPC20-80	6-20	51.5	20	80	SC20	2.40
HPC20-105	6-20	51.5	20	105	SC20	2.50
HPC20-135	6-20	51.5	20	135	SC20	2.80
HPC32-105	6-32	70.5	32	105	SC32	2.80
HPC32-135	6-32	70.5	32	135	SC32	3.00
SK50- HPC16-90	3-16	50	16	90	SC16	3.90
HPC16-110	3-16	46	16	110	SC16	4.10
HPC16-135	3-16	46	16	135	SC16	4.30
HPC16-150	3-16	46	16	150	SC16	4.50
HPC20-105	6-20	51.5	20	105	SC20	4.50
HPC20-135	6-20	51.5	20	135	SC20	4.70
HPC20-150	6-20	51.5	20	150	SC20	4.90
HPC32-110	6-32	70.5	32	110	SC32	5.20
HPC32-135	6-32	70.5	32	135	SC32	5.90
HPC32-165	6-32	70.5	32	165	SC32	6.60

注: 报价时含扳手, 筒夹需单独订购。  
Notice: Wrench is included, while collet shall be ordered separately.

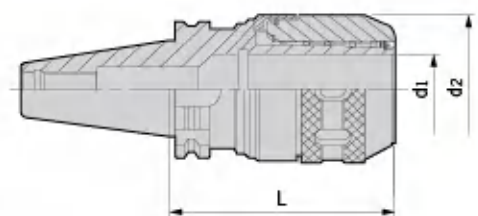
## 特点 / Feature

- 动平衡设定: G6.3; 15,000 rpm。
- 3D处径向跳动 ≤ 0.01 mm。

- Balanced: G6.3; 15,000 rpm;
- Runout (X3D): ≤ 0.01 mm.

# MLC

SK-MLC Power Chuck  
SK-MLC 强力刀柄



型号 Specification	范围 Range	D	d	L	适用筒夹 Suit collet	重量 Weight
SK30- MLC20-85	6-20	53	20	85	SC20	1.90
MLC20-100	6-20	72	20	100	SC20	2.10
MLC32-135	6-32	72	32	135	SC32	3.00
SK40- MLC20-85	6-20	53	20	85	SC20	2.40
MLC20-100	6-20	53	20	100	SC20	2.50
MLC20-135	6-20	53	20	135	SC20	2.80
MLC32-105	6-32	72	32	105	SC32	2.80
MLC32-135	6-32	72	32	135	SC32	3.10
SK50- MLC20-105	6-20	53	20	105	SC20	4.50
MLC20-150	6-20	53	20	150	SC20	4.90
MLC32-85	6-32	72	32	85	SC32	4.50
MLC32-110	6-32	72	32	110	SC32	5.20
MLC32-135	6-32	72	32	135	SC32	5.90
MLC42-110	6-42	87.5	42	110	SC42	6.00
MLC42-165	6-42	87.5	42	165	SC42	7.40

注: 报价时含扳手, 筒夹需单独订购。  
Notice: Wrench is included, while collet shall be ordered separately.

## 特点 / Feature

- 刀柄采用四组220根针状滚针经特殊排列而成。
- 端面锁紧增强了本体刚性强度。
- 立铣刀无振动无滑移实现了最大能力范围的重切削加工, 跳动精度 ≤ 0.02mm。
- The tool holder uses four special layers with 220 pieces bearing arranged in particular.
- It can reduce the locking resistance and also show best performance on heavy cutting.
- The usual length of power milling chuck show that the highest runout accuracy can reach to ≤ 0.02mm.

SK-MLC Power Chuck Kit  
SK-MLC 强力筒夹本体套装组

型号 Specification	筒夹 Collet	数量 PCS/SET	重量 Weight
SK40- MLC20-100-5PCS	SC20-6,8,10,12,16	5	7.30
MLC32-105-7PCS	SC32-6,8,10,12,16,20,25	7	7.80
SK50- MLC20-105-5PCS	SC20-6,8,10,12,16	5	7.50
MLC32-110-7PCS	SC32-6,8,10,12,16,20,25	7	8.40
MLC42-110-8PCS	SC42-6,8,10,12,16,20,25,32	8	11.40



# SLN

SK-SLN Side Lock Holder  
SK-SLN 侧固式刀柄

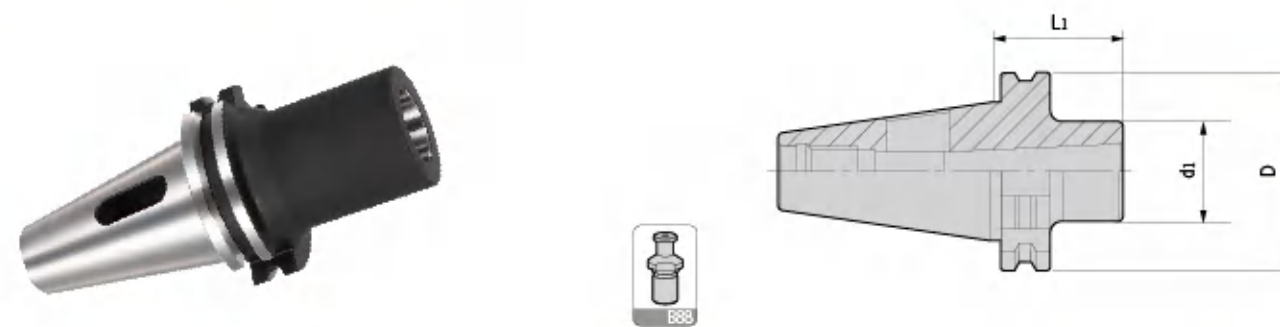


型号 Specification	图示 Figure	d <sub>1</sub>	d <sub>2</sub>	L	L <sub>1</sub>	L <sub>2</sub>	侧面压紧螺钉 Side-lock screw	重量 Weight
SK30- SLN6-50	A	6	25	50	18	-	M060U100	0.41
	A	8	28	50	18	-	M080U100	0.46
	A	10	35	50	20	-	M100U120	0.54
	A	12	42	50	22.5	-	M120U140	0.61
	A	16	48	63	24	-	M140U160	0.85
SK40- SLN6-50	A	6	25	50	18	-	M060U080	1.00
	A	8	28	50	18	-	M080U100	1.01
	A	10	35	50	20	-	M100U120	1.15
	A	12	42	50	22.5	-	M120U140	1.26
	A	16	48	63	24	-	M140U160	1.31
	A	20	52	63	25	-	M160U160	1.33
SLN25-100	B	25	65	100	24	25	M180Z200P	2.32
	B	32	72	105	24	28	M200Z180P	2.37
SK50- SLN6-63	A	6	25	63	18	-	M060U100	3.12
	A	8	28	63	18	-	M080U100	3.15
	A	10	35	63	20	-	M100U100	3.63
	A	12	42	63	22.5	-	M120U140	3.86
	A	16	48	63	24	-	M140U160	3.90
	A	20	52	63	25	-	M160U160	3.93
	B	25	65	80	24	25	M180Z200P	4.62
	B	32	72	100	24	25	M200Z180P	4.80
	B	40	90	110	30	32	M200Z250P	5.21
	B	42	90	110	30	32	M200Z250P	6.00

注：扳手需单独订购。  
Notice: Wrenchs shall be ordered separately.

# MTA/MTB

SK-MTA Morse Taper Holder  
SK-MTA 莫氏锥套刀柄 (钻头套筒)



型号 Specification	莫氏锥度 MT.NO	D	d <sub>1</sub>	L	重量 Weight
SK30- MTA1-50	1	50	25	50	0.42
	2	50	32	50	0.50
	3	50	40	80	0.60
SK40- MTA1-50	1	63.55	25	50	0.95
	2	63.55	32	50	1.00
	3	63.55	40	70	1.13
MTA4-95	4	63.55	48	95	1.35
	5	63.55	63	105	1.35
SK50- MTA1-45	1	97.50	25	45	3.59
	2	97.50	32	60	3.63
	3	97.50	40	65	3.65
	4	97.50	48	95	3.88
	5	97.50	63	105	3.74

SK-MTB Morse Taper Holder  
SK-MTB 莫氏锥套刀柄 (螺丝锁紧)

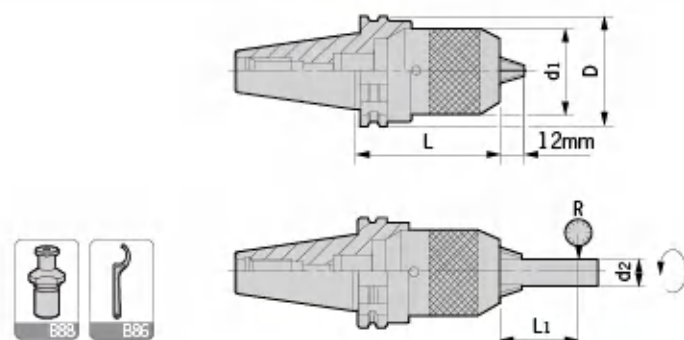


型号 Specification	莫氏锥度 MT.NO	D	d <sub>1</sub>	d <sub>2</sub>	L	拉紧螺钉 Tension screw	范围 Range	重量 Weight
SK30- MTB1-50	1	50	25	12.065	50	E060U160	Φ10-Φ14	0.50
	2	50	32	17.780	60	SK30-15-MT2	Φ16-Φ22	0.55
	3	50	40	23.825	75	SK30-15-MT3	Φ24-Φ32	0.65
SK40- MTB1-50	1	63.55	25	12.065	50	E060U160	Φ10-Φ14	0.95
	2	63.55	32	17.780	50	E100Z300-MTB	Φ16-Φ22	1.00
	3	63.55	40	23.825	70	SK40-15-MT3	Φ24-Φ32	1.13
	4	63.55	48	31.267	95	SK40-15-MT4	Φ32-Φ50	1.35
SK50- MTB1-45	1	97.50	25	12.065	45	E060U250	Φ10-Φ14	3.59
	2	97.50	32	17.780	60	E100U350	Φ16-Φ22	3.64
	3	97.50	40	23.825	65	E120U400	Φ24-Φ32	3.60
	4	97.50	48	31.267	95	E160Z400-MTB	Φ32-Φ50	3.88
	5	97.50	63	44.399	105	SK50-15-MT5	Φ55-Φ60	3.74

注：报价时含拉紧螺钉。  
Notice: Tension screw is included.

# SPU/FMB

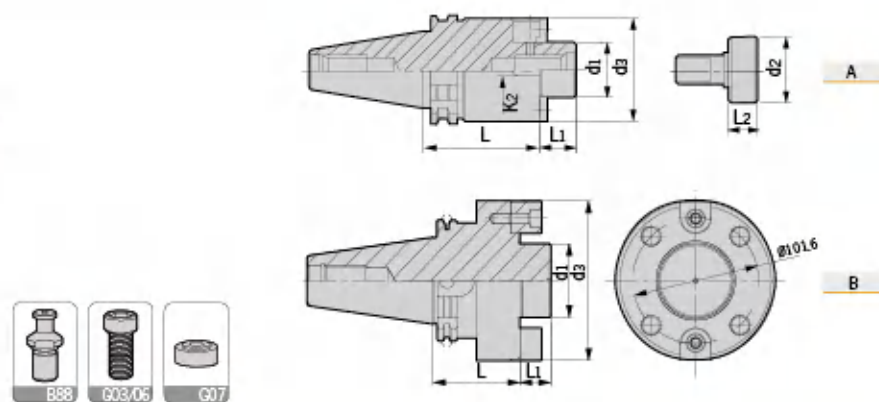
SK-SPU Drill Chuck Holder  
SK-SPU 直结式钻夹头刀柄



型号 Specification	D	d1	d2	L	L1	偏摆精度 R	重量 Weight
<b>SK30-</b> SPU8-80	50	37	8	80	55	0.05	0.72
SPU13-120	50	50	13	120	75	0.05	1.70
<b>SK40-</b> SPU8-75	63.55	37	8	75	55	0.05	1.36
SPU13-110	63.55	50	13	110	75	0.05	1.76
SPU16-125	63.55	57	16	125	80	0.05	2.18
<b>SK50-</b> SPU8-75	97.50	37	8	75	55	0.05	4.10
SPU13-100	97.50	50	13	100	75	0.05	4.50
SPU16-105	97.50	57	16	105	80	0.05	4.78

注：报价时含扳手。  
Notice: Wrench is included.

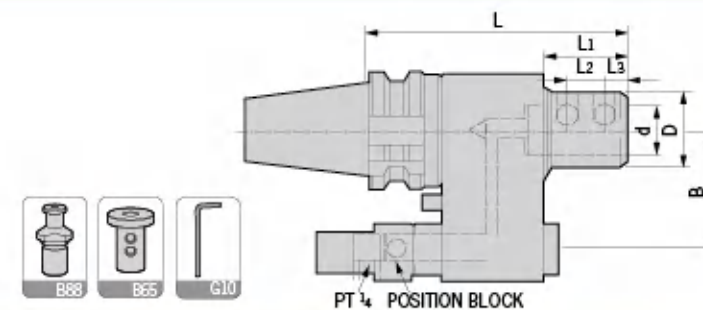
SK-FMB Face Milling Holder  
SK-FMB 平面铣刀柄



型号 Specification	图示 Figure	d1	d2	d3	L	L1	L2	刀盘锁紧螺钉 Lockingscrew for cutter	垫圈 Washer	重量 Weight
<b>SK30-</b> FMB22-35	A	22	26	47	35	18	14	E100U300	-	0.70
FMB27-35	A	27	33	58	35	20	16	E120U300	FM-1	1.00
<b>SK40-</b> FMB22-35	A	22	26	47	35	18	14	E100U300	-	1.20
FMB27-60	A	27	33	58	60	20	16	E120U300	FM-1	1.86
FMB32-60	A	32	40	66	60	22	16	E160U350	FM-2	2.32
FMB40-60	A	40	50	82	60	25	20.5	E160U350	FM-3	2.47
<b>SK50-</b> FMB22-35	A	22	26	47	35	18	14	E100U300	-	3.60
FMB27-35	A	27	33	58	35	20	16	E120U300	FM-1	3.79
FMB32-35	A	32	40	66	35	22	16	E160Z350-40	-	4.10
FMB40-50	A	40	50	82	50	25	20.5	E200Z350-50	-	4.57
FMB60F-70	B	60	-	129	70	32	-	E160U500	-	8.00

# SLO/CSO/PB

SK-SLO Oil-feed Holder  
SK-SLO 油路刀柄



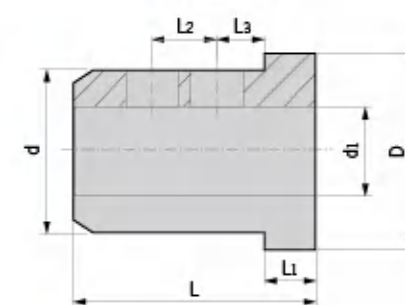
型号 Specification	D	d	L1	L2	L3	L	B	侧面压紧螺钉 Side-lock screw	扳手 Wrench	重量 Weight
<b>SK40-</b> SLO32-150	72	32	50	15	15	150	60/65	M120U200	L06D	5.35
SLO40-150	72	40	50	18	19	150	60/65	M140U160	L06D	5.04
<b>SK50-</b> SLO32-160	72	32	50	15	15	160	80/82	M120U200	L06D	8.64
SLO40-160	72	40	50	18	19	160	80/82	M140U160	L06D	8.35

注：报价时含扳手，请于订购时，依据机台规格确认中心距离B的尺寸。  
Notice: 1. Wrench is included; 2. Before order please check the distance B.

CSO Oil-feed Holder Reducing Sleeve  
CSO 油路刀套

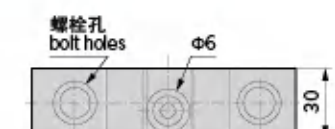


型号 Specification	D	d	d1	L1	L2	L3	L	重量 Weight
<b>CSO 32-16</b>	53	32	16	10	15	15	65	0.40
32-20	53	32	20	10	15	15	65	0.35
32-25	53	32	25	10	15	15	65	0.26
40-16	63	40	16	10	18	19	75	0.74
40-20	63	40	20	10	18	19	75	0.68
40-25	63	40	25	10	18	19	75	0.59
40-32	63	40	32	10	18	19	75	0.41

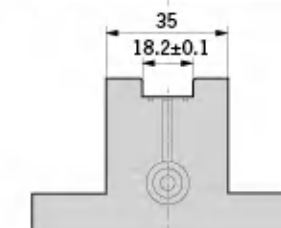


PB Oil-feed Holder Positioning Block  
PB 油路止动块

型号 Specification	重量 Weight
<b>BT40-PB30-35</b>	0.53
<b>BT50-PB30-35</b>	0.46



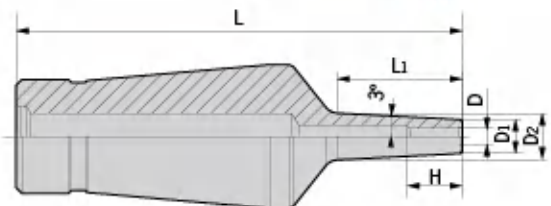
注意：在使用油路刀柄时，止动块是必需的配套附件。  
止动块可安装到ATC等机器上。因此，随着越来越多的不同型号的机器，有必要与机械制造商协商正确安装。  
Notice: Using oil-feed holder, positioning block is required.  
Make sure to apply of the right method when assembling this block to different machines.



# DSF-EXTENDER

DSF Shrink Fit Extender  
DSF 烧结式热装延长杆

NEW

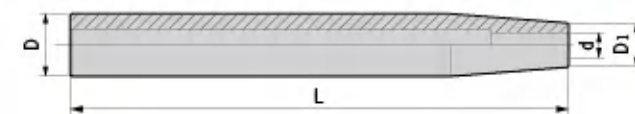


型号 Specification	D	D <sub>1</sub>	D <sub>2</sub>	L <sub>1</sub>	L	H (Min)	H (Max)	重量 Weight
DSF12- D3-35-1.5	3	6	8.4	22	35	10	60	0.20
D3-55-1.5	3	6	10.5	42	55	10	80	0.20
D3-80-1.5	3	6	13.1	67	80	10	105	0.20
D3-110-1.5	3	6	16.2	97	110	10	135	0.20
D3-35-2.25	3	7.5	9.9	22	35	10	60	0.20
D3-55-2.25	3	7.5	12	42	55	10	80	0.20
D3-80-2.25	3	7.5	14.6	67	80	10	105	0.20
D4-35-1.5	4	7	9.4	22	35	12	60	0.20
D4-55-1.5	4	7	11.5	42	55	12	80	0.20
D4-80-1.5	4	7	14.1	67	80	12	105	0.20
D4-110-1.5	4	7	17.2	97	110	12	135	0.20
D4-35-3	4	10	12.4	22	35	12	60	0.20
D4-55-3	4	10	14.5	42	55	12	80	0.20
D4-80-3	4	10	17.1	67	80	12	105	0.20
D5-35-1.5	5	8	10.4	22	35	15	60	0.20
D5-55-1.5	5	8	12.5	42	55	15	80	0.20
D5-80-1.5	5	8	15.1	67	80	15	105	0.20
D5-110-1.5	5	8	18.2	97	110	15	135	0.20
D6-35-1.5	6	9	11.4	22	35	18	60	0.20
D6-55-1.5	6	9	13.5	42	55	18	80	0.20
D6-80-1.5	6	9	16.1	67	80	18	105	0.20
D6-110-1.5	6	9	19.2	97	110	18	135	0.20
D6-35-3	6	12	14.4	22	35	18	60	0.20
D6-55-3	6	12	16.5	42	55	18	80	0.20
D6-80-3	6	12	19.1	67	80	18	105	0.20
D8-35-3	8	14	16.4	22	35	25	60	0.20
D8-55-3	8	14	18.5	42	55	25	80	0.20
D8-80-3	8	14	21.1	67	80	25	105	0.30
D10-35-3	10	16	18.4	22	35	30	60	0.20
D10-55-3	10	16	20.5	42	55	30	60	0.20
D10-80-3	10	16	23.1	67	80	30	60	0.30
D12-35-3	12	20	22.4	22	35	30	60	0.20
D12-55-3	12	20	24.5	42	55	30	60	0.20
D12-80-3	12	20	25.5	-	80	30	60	0.30

# SF-EXTENDER

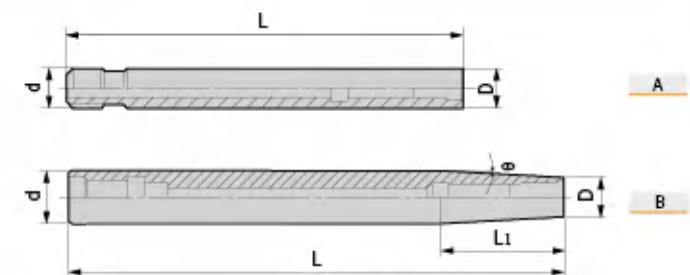
SF Shrink Fit Extender  
SF 烧结式热装延长杆

NEW



型号 Specification	D	D <sub>1</sub>	d	L	重量 Weight
C12- SF3-160	12	8	3	160	0.20
SF4-160	12	8	4	160	0.21
C16- SF3-160	16	10	3	160	0.22
SF4-160	16	10	4	160	0.23
SF5-160	16	10	5	160	0.24
SF6-160	16	10	6	160	0.25
C20- SF5-160	20	14	5	160	0.40
SF6-160	20	14	6	160	0.42
SF8-160	20	14	8	160	0.44
C25- SF8-160	25	20	8	160	0.60
SF10-160	25	20	10	160	0.62
SF12-160	25	20	12	160	0.65
C32- SF10-160	32	27	10	160	0.78
SF12-160	32	27	12	160	0.81
SF16-160	32	27	16	160	0.83
SF20-160	32	27	20	160	0.85

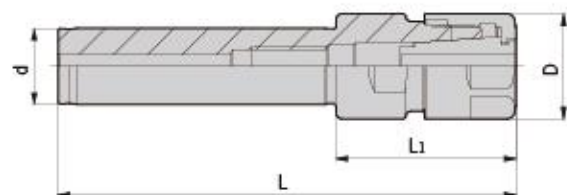
DC Collet Extender  
DC 小径延长杆



型号 Specification	图示 Figure	D	d	L <sub>1</sub>	L	θ	适用夹头 Suit collet	拉紧螺钉 Tension screw	止动螺母 Stop nut	扳手 Wrench	卡板扳手 WDC Wrench	重量 Weight
C10- DC4-90	A	9	10	-	90	-	DC4	E040U700	ZD4-1	T03-L	WDC	0.10
C12- DC4-120	A	14	12	-	120	-	DC4	E040U800	ZD4-2	T03-L	WDC	0.12
DC6-120	A	14	12	-	120	-	DC6	E050U950	ZD6-2	T04-L	WDC	0.13
C16- DC6-150	B	14	16	38	150	3°	DC6	E050U1000	ZD6-1	T04-L	WDC	0.22
C20- DC6-200	B	14	20	76	200	3°	DC6	E050U1150	ZD6-1	T04	WDC	0.42
C25- DC6-250	B	14	25	124	250	3°	DC6	E050U1500	ZD6-1	T04	WDC	0.50
C20- DC8-150	B	19	20	28	150	2°	DC8	E060U800	ZD8-1	T05-L	WDC	0.40
DC8-200	B	19	20	28	200	2°	DC8	E060U1200	ZD8-1	T05-L	WDC	0.65
C25- DC10-150	B	24	25	28	150	2°	DC10	E080U800	ZD10-1	T06-L	WDC	0.60
DC10-200	B	24	25	28	200	2°	DC10	E080U1200	ZD10-1	T06-L	WDC	0.68
DC10-250	B	24	25	28	250	2°	DC10	E080U1400	ZD10-1	T06-L	WDC	0.78
C32- DC12-200	B	30	32	57	200	2°	DC12	E100U1200	ZD12-1	T08	WDC	0.82
DC12-250	B	30	32	57	250	2°	DC12	E100U1400	ZD12-1	T08	WDC	0.95
DC12-300	B	28	32	57	300	2°	DC12	E100U1600	ZD12-1	T08	WDC	1.15

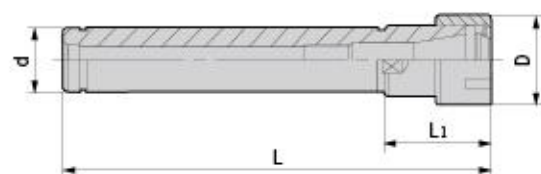
# DC/DSK-EXTENDER

DSK Collet Extender  
DSK 弹性筒夹延长杆



型号 Specification	D	d	L <sub>1</sub>	L	重量 Weight
<b>C20-</b> DSK6-120	20	20	39	120	0.26
DSK6-150	20	20	39	150	0.33
DSK6-180	20	20	39	180	0.40
DSK10-120	27.5	20	47.2	120	0.322
DSK10-150	27.5	20	47.2	150	0.395
DSK10-180	27.5	20	47.2	180	0.468

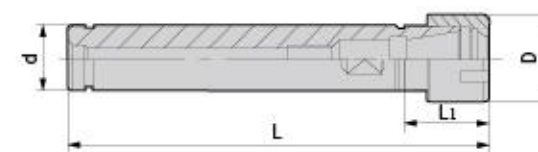
ER Collet Extender  
ER 弹性筒夹延长杆



型号 Specification	D	d	L <sub>1</sub>	L	重量 Weight
<b>C16-</b> ER16-100	28	16	37	137	0.20
ER16-150	28	16	37	187	0.25
ER20-100	35	16	42	142	0.25
<b>C20-</b> ER16-100	28	20	37	137	0.28
ER16-150	28	20	37	187	0.36
ER20-100	35	20	42	142	0.30
ER20-150	35	20	42	192	0.38
ER25-100	42	20	46	146	0.10
ER25-150	42	20	46	196	0.49
<b>C25-</b> ER16-100	28	25	37	137	0.41
ER16-150	28	25	37	187	0.54
ER20-100	35	25	42	142	0.42
ER20-150	35	25	42	192	0.55
ER25-100	42	25	46	146	0.45
ER25-150	42	25	46	196	0.65

# ER-M-EXTENDER/DCK-VER

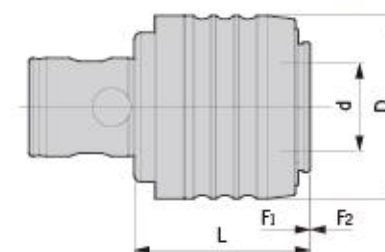
ER-M Collet Extender  
ER-M 弹性筒夹延长杆



型号 Specification	D	d	L <sub>1</sub>	L	重量 Weight
<b>C12-</b> ER11M-100	16	12	25	125	0.12
ER11M-150	16	12	25	175	0.14
<b>C16-</b> ER11M-100	16	16	25	125	0.14
ER11M-150	16	16	25	175	0.22
ER16M-100	22	16	36	136	0.15
ER16M-150	22	16	36	186	0.21
<b>C20-</b> ER16M-100	22	20	36	136	0.24
ER16M-150	22	20	36	186	0.33
ER20M-100	28	20	42	142	0.23
ER20M-150	28	20	42	192	0.32
ER20M-200	28	20	42	242	0.53
<b>C25-</b> ER20M-150	28	25	42	192	0.50

DCK-VER Split Synch Tapping Chuck  
DCK-VER 分体式微补偿攻牙刀柄

**NEW**



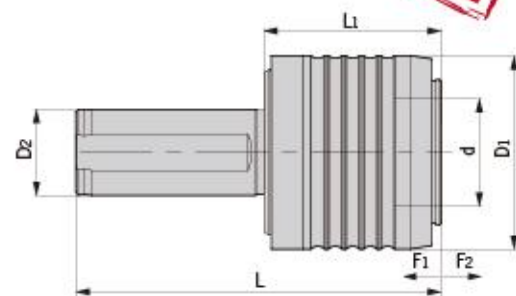
型号 Specification	D	d	L	F <sub>1</sub>	F <sub>2</sub>	攻牙能力 Tapping capacity	适用延长杆 Suit extender	重量 Weight
<b>DCK5-VER20-50</b>	52	25	50	0.2	1	M5-M16	VER20-M26	0.65
<b>DCK6-VER32-75</b>	72	40	75	0.2	1	M10-M24	VER32-M30	1.80
<b>DCK7-VER40-90</b>	87	50	90	0.2	1	M14-M33	VER40-M32	3.28

注：延长杆、筒夹和扳手需单独订购。  
Notice: extender, collets, and wrenches shall be ordered separately.

# C-VER/VER-EXTENDER

C-VER Split Synch Tapping Chuck  
C-VER 分体式微补偿攻牙刀柄

**NEW**

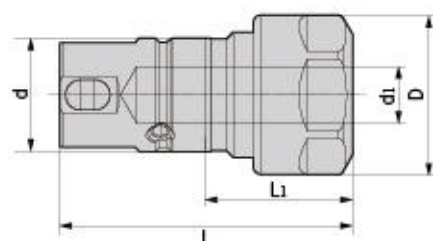


型号 Specification	d	D1	D2	L	L1	F1	F2	攻牙能力 Tapping capacity	适用延长杆 Suit extender	重量 Weight
<b>C25-VER25</b>	32	60	25	115	55	0.2	1	M6-M20	VER25-M28	0.96
<b>C32-VER25</b>	32	60	25	125	55	0.2	1	M6-M20	VER25-M28	1.13
<b>VER32</b>	40	72	32	136	66	0.2	1	M10-M24	VER32-M30	1.73
<b>C40-VER25</b>	42	60	25	135	55	0.2	1	M6-M20	VER25-M28	1.46
<b>VER32</b>	40	72	32	146	66	0.2	1	M10-M24	VER32-M30	2.07
<b>VER40</b>	50	87	40	160	80	0.2	1	M14-M33	VER40-M32	2.98

注：延长杆、筒夹和扳手需单独订购。  
Notice: extender, collets, and wrenches shall be ordered separately.

VER Split Synch Tapping Extender  
VER 分体式微补偿攻牙延长杆

**NEW**

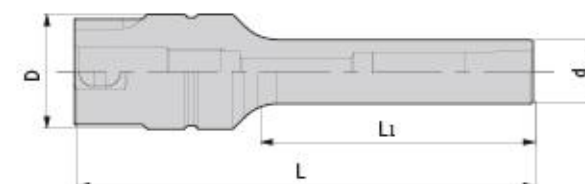
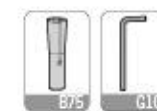


型号 Specification	夹持范围 Clamping range	D	d	L	L1	定位螺钉 Locking Screw	攻牙能力 Tapping capacity	重量 Weight
<b>VER 16-M24</b>	2-10	28	20	41	24	M050U050	M3-M12	0.15
<b>16-L55</b>	2-10	28	20	72	55	M050U050	M3-M12	0.22
<b>VER 20-M26</b>	2-13	34	25	51.5	26	M060U060	M5-M16	0.20
<b>20-L75</b>	2-13	34	25	100.5	75	M060U060	M5-M16	0.29
<b>VER 25-M28</b>	2-16	42	32	58	28	M080U080	M6-M20	0.35
<b>25-L86</b>	2-16	42	32	116	86	M080U080	M6-M20	0.54
<b>VER 32-M30</b>	4-20	50	40	69	30	M080U100	M10-M24	0.50
<b>32-L90</b>	4-20	50	40	129	90	M080U100	M10-M24	0.81
<b>VER 40-M32</b>	6-26	63	50	82	32	M100U140	M14-M33	0.65
<b>40-L95</b>	6-26	63	50	145	95	M100U140	M14-M33	0.98

# VER-DC EXTENDER/VER LOCK

VER-DC Split Synch Tapping Extender  
VER-DC 分体式微补偿攻牙延长杆

**NEW**



型号 Specification	D	d	L	L1	适用筒夹 Suit collet	拉紧螺钉 Tension screw	止动螺母 Stop nut	扳手 Wrench	重量 Weight
<b>VER 16-DC4</b>	20	10	80	50	DC4	E040U0300	ZD4-2	L03	0.08
<b>16-DC6</b>	20	14	90	60	DC6	E050U0400	ZD6-1	L04	0.10
<b>VER 20-DC4</b>	25	10	90	50	DC4	E040U0350	ZD4-2	L03	0.15
<b>20-DC6</b>	25	14	100	60	DC6	E050U0400	ZD6-1	L04	0.17
<b>20-DC4</b>	25	19	120	80	DC8	E060U0500	ZD8-1	L06	0.22

VER Lock(Fixed)  
VER 锁刀座

**NEW**



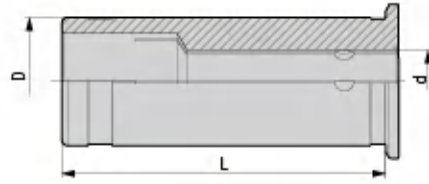
型号  
Specification

- TL-VER16
- TL-VER20
- TL-VER25
- TL-VER32
- TL-VER40

# DHC/ODHC

Hydraulic Collet - Flange Cooling  
D型端面出水液压筒夹

**NEW**



型号 Specification	d	D	L
DHC12-3	3	12	45
4	4	12	45
5	5	12	45
6	6	12	45
8	8	12	45

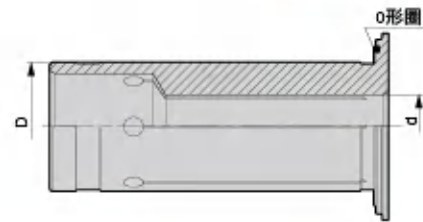
型号 Specification	d	D	L
DHC20-3	3	20	50.5
4	4	20	50.5
5	5	20	50.5
6	6	20	50.5
8	8	20	50.5
10	10	20	50.5
12	12	20	50.5
14	14	20	50.5
16	16	20	50.5

型号 Specification	d	D	L
DHC32-6	6	32	60.5
8	8	32	60.5
10	10	32	60.5
12	12	32	60.5
14	14	32	60.5
16	16	32	60.5
18	18	32	60.5
20	20	32	60.5
25	25	32	60.5

■精度≤0.003mm  
■Runint(3D) ≤ 0.003mm

Hydraulic Collet - Internal Cooling  
OD型中心出水液压筒夹

**NEW**



型号 Specification	d	D	L
ODHC12-3	3	12	45
4	4	12	45
5	5	12	45
6	6	12	45
8	8	12	45

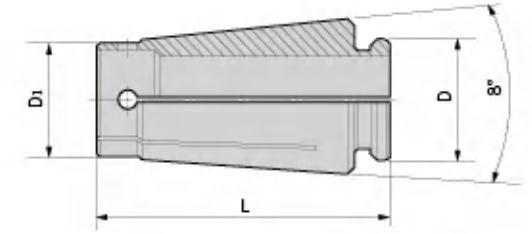
型号 Specification	d	D	L
ODHC20-3	3	20	50.5
4	4	20	50.5
5	5	20	50.5
6	6	20	50.5
8	8	20	50.5
10	10	20	50.5
12	12	20	50.5
14	14	20	50.5
16	16	20	50.5

型号 Specification	d	D	L
ODHC32-6	6	32	60.5
8	8	32	60.5
10	10	32	60.5
12	12	32	60.5
14	14	32	60.5
16	16	32	60.5
18	18	32	60.5
20	20	32	60.5
25	25	32	60.5

■精度≤0.003mm  
■Runint(3D) ≤ 0.003mm

# DSK-COLLET

DSK Precision Collet  
DSK 精密弹性筒夹



DSK6		DSK10		DSK16		DSK20		DSK25	
SET NO.	11PCS RANGEmm	SET NO.	18PCS RANGEmm	SET NO.	27PCS RANGEmm	SET NO.	33PCS RANGEmm	SET NO.	40PCS RANGEmm
DSK6-2	1.8-2.0	DSK10-2	1.75-2.0	DSK16-3	2.75-3.0	DSK20-4	3.5-4.0	DSK25-6	5.5-6.0
2.5	2.3-2.5	3	2.75-3.0	3.5	3.0-3.5	4.5	4.0-4.5	6.5	6.0-6.5
3	2.8-3.0	3.5	3.0-3.5	4	3.5-4.0	5	4.5-5.0	7	6.5-7.0
3.5	3.0-3.5	4	3.5-4.0	4.5	4.0-4.5	5.5	5.0-5.5	7.5	7.0-7.5
4	3.5-4.0	4.5	4.0-4.5	5	4.5-5.0	6	5.5-6.0	8	7.5-8.0
4.5	4.0-4.5	5	4.5-5.0	5.5	5.0-5.5	6.5	6.0-6.5	8.5	8.0-8.5
5	4.5-5.0	5.5	5.0-5.5	6	5.5-6.0	7	6.5-7.0	9	8.5-9.0
5.5	5.0-5.5	6	5.5-6.0	6.5	6.0-6.5	7.5	7.0-7.5	9.5	9.0-9.5
6	5.5-6.0	6.5	6.0-6.5	7	6.5-7.0	8	7.5-8.0	10	9.5-10.0
		7	6.5-7.0	7.5	7.0-7.5	8.5	8.0-8.5	10.5	10.0-10.5
		7.5	7.0-7.5	8	7.5-8.0	9	8.5-9.0	11	10.5-11.0
		8	7.5-8.0	8.5	8.0-8.5	9.5	9.0-9.5	11.5	11.0-11.5
		8.5	8.0-8.5	9	8.5-9.0	10	9.5-10.0	12	11.5-12.0
		9	8.5-9.0	9.5	9.0-9.5	10.5	10.0-10.5	12.5	12.0-12.5
		9.5	9.0-9.5	10	9.5-10.0	11	10.5-11.0	13	12.5-13.0
		10	9.5-10.0	10.5	10.0-10.5	11.5	11.0-11.5	13.5	13.0-13.5
		11	10.5-11.0	11	10.5-11.0	12	11.5-12.0	14	13.5-14.0
		11.5	11.0-11.5	11.5	11.0-11.5	12.5	12.0-12.5	14.5	14.0-14.5
		12	11.5-12.0	12	11.5-12.0	13	12.5-13.0	15	14.5-15.0
		12.5	12.0-12.5	12.5	12.0-12.5	13.5	13.0-13.5	15.5	15.0-15.5
		13	12.5-13.0	13	12.5-13.0	14	13.5-14.0	16	15.5-16.0
		13.5	13.0-13.5	13.5	13.0-13.5	14.5	14.0-14.5	16.5	16.0-16.5
		14	13.5-14.0	14	13.5-14.0	15	14.5-15.0	17	16.5-17.0
		14.5	14.0-14.5	14.5	14.0-14.5	15.5	15.0-15.5	17.5	17.0-17.5
		15	14.5-15.0	15	14.5-15.0	16	15.5-16.0	18	17.5-18.0
		15.5	15.0-15.5	15.5	15.0-15.5	16.5	16.0-16.5	18.5	18.0-18.5
		16	15.5-16.0	16	15.5-16.0	17	16.5-17.0	19	18.5-19.0
						17.5	17.0-17.5	19.5	19.0-19.5
						18	17.5-18.0	20	19.5-20.0
						18.5	18.0-18.5	20.5	20.0-20.5
						19	18.5-19.0	21	20.5-21.0
						19.5	19.0-19.5	21.5	21.0-21.5
						20	19.5-20.0	22	21.5-22.0
								22.5	22.0-22.5
								23	22.5-23.0
								23.5	23.0-23.5
								24	23.5-24.0
								24.5	24.0-24.5
								25	24.5-25.0
								25.4	25.0-25.4

型号 Specification	D	D1	L
DSK 6	9	7.5	25
10	13	11.9	30.5
16	20.7	18.7	45
20	24	23	50
25	29.3	28.7	57

## 弹性筒夹等级说明 / Spring Collet Precision

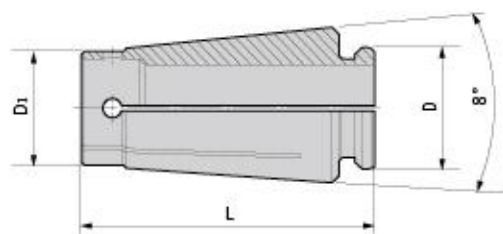
■普通级: 小于等于0.015mm ■A级: 小于等于0.01mm ■UP级: 小于等于0.005mm  
■Standard: ≤0.015 mm ■A: ≤0.01 mm ■UP: ≤0.005 mm

备注: DSK筒夹常规备库为UP级。  
Remark: DSK collets in stock with UP grade.

# DSK-C-COLLET

DSK-C Sealing Precision Collet  
DSK-C 止水精密弹性筒夹

**NEW**



DSK10		DSK16	
SET NO.	11PCS RANGEmm	SET NO.	18PCS RANGEmm
DSK10-4C	4.0	DSK16-4C	4.0
6-C	6.0	6-C	6.0
8-C	8.0	8-C	8.0
10-C	10.0	10-C	10.0
		12-C	12.0
		14-C	14.0
		16-C	16.0

■精度≤0.005mm  
■Accuracy ≤ 0.005mm



DSK Collet Puller  
DSK 筒夹拆卸器

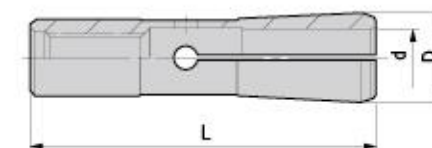
**NEW**

型号 Specification	适配筒夹 Suit Collet
DSK 6-T	DSK6
10-T	DSK10
16-T	DSK16
20-T	DSK20
25-T	DSK25



# DC-COLLET

DC Slim Collet  
DC小径筒夹



型号 Specification	D	L
DC 4	7	31
6	9.6	36
8	14	45
10	18	52
12	22	60

型号 Specification	夹持范围 Clamping range
DC4- 3E	2.75-3
4E	3.75-4

型号 Specification	夹持范围 Clamping range
DC6- 3E	2.75-3
4E	3.75-4
6E	5.75-6

- 精度≤0.005mm
- Runint(3D) ≤ 0.005mm

### 特点 / Feature

- DC筒夹设计重点强调立铣刀的夹持力。
- 每个夹头的夹持范围为0.25mm。
- The design of DC collects is emphasized on increasing the clamping force.
- Gripping range of each collect is 0.25mm.

型号 Specification	夹持范围 Clamping range
DC8- 3E	2.75-3
4E	3.75-4
6E	5.75-6
8E	7.75-8

型号 Specification	夹持范围 Clamping range
DC10- 3E	2.75-3
4E	3.75-4
6E	5.75-6
8E	7.75-8
10E	9.75-10

型号 Specification	夹持范围 Clamping range
DC12- 3E	2.75-3
4E	3.75-4
6E	5.75-6
8E	7.75-8
10E	9.75-10
12E	11.75-12

# ER-COLLET

ER Collet  
ER 弹性筒夹



型号 Specification											
ER11-13PCS		ER16-10PCS		ER20-12PCS		ER25-15PCS		ER32-19PCS		ER40-24PCS	
SET NO.	RANGE mm	SET NO.	RANGE mm	SET NO.	RANGE mm	SET NO.	RANGE mm	SET NO.	RANGE mm	SET NO.	RANGE mm
ER11-1	1.0-1.5	ER16-1	1.0-1.5	ER20-2	2.0-1.0	ER25-2	2.0-1.0	ER32-2	2.0-1.0	ER40-3	3.0-2.0
1.5	1.5-1.0	2	2.0-1.0	3	3.0-2.0	3	3.0-2.0	3	3.0-2.0	4	4.0-3.0
2	2.0-1.5	3	3.0-2.0	4	4.0-3.0	4	4.0-3.0	4	4.0-3.0	5	5.0-4.0
2.5	2.5-2.0	4	4.0-3.0	5	5.0-4.0	5	5.0-4.0	5	5.0-4.0	6	6.0-5.0
3	3.0-2.5	5	5.0-4.0	6	6.0-5.0	6	6.0-5.0	6	6.0-5.0	7	7.0-6.0
3.5	3.5-3.0	6	6.0-5.0	7	7.0-6.0	7	7.0-6.0	7	7.0-6.0	8	8.0-7.0
4	4.0-3.5	7	7.0-6.0	8	8.0-7.0	8	8.0-7.0	8	8.0-7.0	9	9.0-8.0
4.5	4.5-4.0	8	8.0-7.0	9	9.0-8.0	9	9.0-8.0	9	9.0-8.0	10	10.0-9.0
5	5.0-4.5	9	9.0-8.0	10	10.0-9.0	10	10.0-9.0	10	10.0-9.0	11	11.0-10.0
5.5	5.5-5.0	10	10.0-9.0	11	11.0-10.0	11	11.0-10.0	11	11.0-10.0	12	12.0-11.0
6	6.0-5.5			12	12.0-11.0	12	12.0-11.0	12	12.0-11.0	13	13.0-12.0
6.5	6.5-6.0			13	13.0-12.0	13	13.0-12.0	13	13.0-12.0	14	14.0-13.0
7	7.0-6.5					14	14.0-13.0	14	14.0-13.0	15	15.0-14.0
						15	15.0-14.0	15	15.0-14.0	16	16.0-15.0
						16	16.0-15.0	16	16.0-15.0	17	17.0-16.0
						17	17.0-16.0	17	17.0-16.0	18	18.0-17.0
						18	18.0-17.0	18	18.0-17.0	19	19.0-18.0
						19	19.0-18.0	19	19.0-18.0	20	20.0-19.0
						20	20.0-19.0	20	20.0-19.0	21	21.0-20.0
										22	22.0-21.0
										23	23.0-22.0
										24	24.0-23.0
										25	25.0-24.0
										26	26.0-25.0

型号 Specification	D	L
ER 11	11.5	18
16	17	27.5
20	21	31.5
25	26	34
32	33	40
40	41	46

例: ER11-13PCS为套装型号。  
Note: ER 11-13PCS is a set.

### 弹性筒夹等级说明 / Spring Collet Precision

■普通级: 小于等于0.015mm ■A级: 小于等于0.01mm ■UP级: 小于等于0.005mm  
■Standard: ≤0.015 mm ■A: ≤0.01 mm ■UP: ≤0.005 mm

备注: ER筒夹常规备库为A级。  
Remark: ER collets in stock with A grade.

# ER-C-COLLET

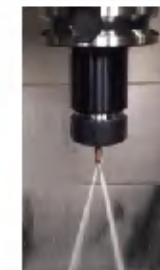
ER-C Sealing Collet  
ER-C 止水弹性筒夹

**NEW**



型号 Specification									
ER16-8PCS-C		ER20-11PCS-C		ER25-14PCS-C		ER32-18PCS-C		ER40-24PCS-C	
SET NO.	RANGE mm	SET NO.	RANGE mm	SET NO.	RANGE mm	SET NO.	RANGE mm	SET NO.	RANGE mm
ER16-3-C	3.0	ER20-3-C	3.0	ER25-3-C	3.0	ER32-3-C	3.0	ER40-3-C	3.0
4-C	4.0	4-C	4.0	4-C	4.0	4-C	4.0	4-C	4.0
5-C	5.0	5-C	5.0	5-C	5.0	5-C	5.0	5-C	5.0
6-C	6.0	6-C	6.0	6-C	6.0	6-C	6.0	6-C	6.0
7-C	7.0	7-C	7.0	7-C	7.0	7-C	7.0	7-C	7.0
8-C	8.0	8-C	8.0	8-C	8.0	8-C	8.0	8-C	8.0
9-C	9.0	9-C	9.0	9-C	9.0	9-C	9.0	9-C	9.0
10-C	10.0	10-C	10.0	10-C	10.0	10-C	10.0	10-C	10.0
		11-C	11.0	11-C	11.0	11-C	11.0	11-C	11.0
		12-C	12.0	12-C	12.0	12-C	12.0	12-C	12.0
		13-C	13.0	13-C	13.0	13-C	13.0	13-C	13.0
				14-C	14.0	14-C	14.0	14-C	14.0
				15-C	15.0	15-C	15.0	15-C	15.0
				16-C	16.0	16-C	16.0	16-C	16.0
				17-C	17.0	17-C	17.0	17-C	17.0
				18-C	18.0	18-C	18.0	18-C	18.0
				19-C	19.0	19-C	19.0	19-C	19.0
				20-C	20.0	20-C	20.0	20-C	20.0
				21-C	21.0	21-C	21.0	21-C	21.0
				22-C	22.0	22-C	22.0	22-C	22.0
				23-C	23.0	23-C	23.0	23-C	23.0
				24-C	24.0	24-C	24.0	24-C	24.0
				25-C	25.0	25-C	25.0	25-C	25.0
				26-C	26.0	26-C	26.0	26-C	26.0

型号 Specification	D	L
ER 16-C	17.0	27.5
20-C	21.0	31.5
25-C	26.0	34
32-C	33.0	40
40-C	41.0	46



例: ER16-8PCS-C为套装型号。  
Note: ER16-8PCS-C is a set.

### 弹性筒夹等级说明 / Spring Collet Precision

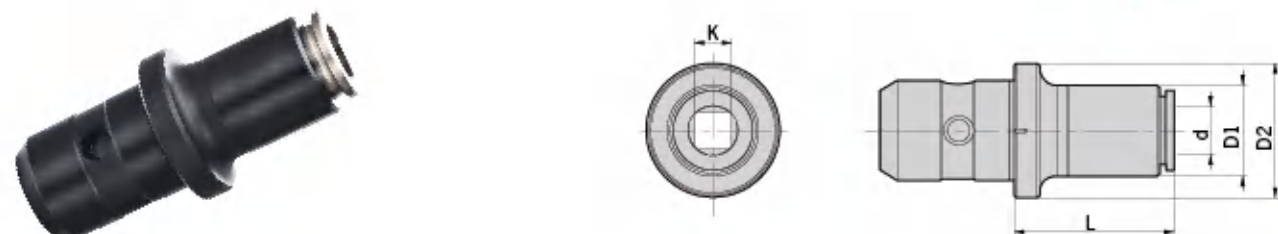
■普通级: 小于等于0.015mm ■A级: 小于等于0.01mm ■UP级: 小于等于0.005mm  
■Standard: ≤0.015 mm ■A: ≤0.01 mm ■UP: ≤0.005 mm

备注: ER-C筒夹常规备库为A级。  
Remark: ER-C collets in stock with A grade.

# TPE

TPE312 Tapping Collet  
TPE312 攻牙筒夹

NEW



型号 Specification	d	k	备注通用Taps						
			D1	D2	ISO529(2)	ISO529(1)	JIS	DIN371	DIN376
TPE312-028021-L	2.8	2.1	20	31	-	-	-	-	M4
0315025-L	3.15	2.5	20	31	M4	M3	-	-	-
035027-L	3.5	2.7	20	31	-	-	M3	M5	-
0400315-L	4	3.15	20	31	M5	M4	-	-	-
040032-L	4	3.2	20	31	-	-	M3; W1/8	-	-
045034-L	4.5	3.4	20	31	-	-	-	M4	M6
0450355-L	4.5	3.55	20	31	M6	-	-	-	-
050040-L	5	4	20	31	-	M5	M4	-	-
055045-L	5.5	4.5	20	31	-	-	M5; W3/16	-	-
060045-L	6	4.5	20	31	-	-	M6; W1/4	-	-
060049-L	6	4.9	20	31	-	-	-	M4.5 M5 M6	M8
061050-L	6.1	5	20	31	-	-	W5/16; W5/16	-	-
062050-L	6.2	5	20	31	-	-	M8	-	-
063050-L	6.3	5	20	31	M8	M6	-	-	-
070055-L	7	5.5	20	31	-	-	M10; W3/8	M7	M9 M10
080060-L	8	6	20	31	-	-	W7/16; PT1/8	-	-
080062-L	8	6.2	20	31	-	-	-	M8	M11
080063-L	8	6.3	20	31	M10	M8	-	-	-
085065-L	8.5	6.5	20	31	-	-	M12	-	-
090070-L	9	7	27	31	-	-	W1/2	M9	M12
090071-L	9	7.1	27	31	M12	-	-	-	-
100080-L	10	8	27	31	-	M10	-	M10	-

TPE312丝锥筒夹长度 Length of Tapping Collet						
L	L+47	L+77	L+107*	L+137*	L+167*	
33	80	110	140	170	200	

注: ISO529 (1) 为细柄普通粗牙螺纹丝锥;  
ISO529 (2) 为粗柄普通粗牙螺纹丝锥。  
其中"d", "k"尺寸为标准丝锥柄部参考数据。

TPE丝锥筒夹分别有六款长度可选, 带\*规格需下单制作。例: TPE312-028021-110  
Note: Please note the length of the tapping collet when you order. For example: TPE312-028021-110

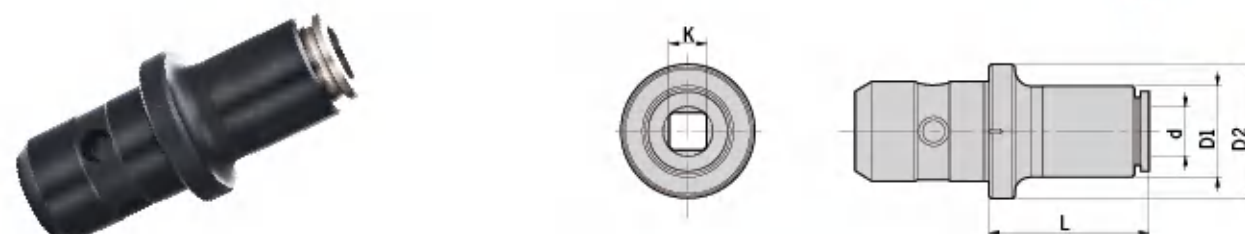
## 特点 / Feature

- 有内冷却供给;
- 丝锥的快速更换;
- 符合ISO/JIS/DIN标准的丝锥TPE筒夹可用;
- 注意硬质合金丝锥会削弱夹紧力且容易比丝锥筒夹中脱落;
- TPE筒夹无扭力保护;
- 请参照丝锥尺寸表;
- TPE筒夹与TPG刀柄组合使用。
- With cooling supply;
- Quick change;
- For taps with standard ISO, JIS and DIN;
- Solid carbide taps may drop off easily;
- With torque protection;
- Please refer taps chart;
- TPE tapping collet is for TPG tapping chuck.

# TPE

TPE1024 Tapping Collet  
TPE1024 攻牙筒夹

NEW



型号 Specification	d	k	备注通用Taps						
			D1	D2	ISO529(2)	JIS	DIN371	DIN376	
TPE1024-080060-L	8	6	20	47	-	-	W7/16; PT1/8	-	-
080863-L	8	6.3	20	47	M10	-	-	-	-
085065-L	8.5	6.5	20	47	-	-	M12	-	-
090070-L	9	7	27	47	-	-	W1/2	-	M12
090071-L	9	7.1	27	47	M12	-	-	-	-
100080-L	10	8	27	47	-	-	-	M10	-
105080-L	10.5	8	27	47	-	-	M14	-	-
110090-L	11	9	27	47	-	-	PT1/4	-	M14
112090-L	11.2	9	27	47	M14	-	-	-	-
120090-L	12	9	27	47	-	-	W5/8	-	M16
125100-L	12.5	10	27	47	M16	-	M16	-	-
140110-L	14	11	32	47	-	-	M18; W3/4; PT3/8	-	M18
140112-L	14	11.2	32	47	M18 M20	-	-	-	-
150120-L	15	12	32	47	-	-	M20	-	-
160120-L	16	12	32	47	PT1/2	-	-	-	M20
160125-L	16	12.5	32	47	M22	-	-	-	-
170130-L	17	13	32	47	-	-	M22; W7/8	-	-
180140-L	18	14	36	47	M24	-	PT1/2	-	-
180145-L	18	14.5	36	47	-	-	-	-	M22; M24
190150-L	19	15	36	47	-	-	M24	-	-

TPE1024丝锥筒夹长度 Length of Tapping Collet						
L	L+45	L+75	L+105	L+135*	L+165*	
55	100	130	160	190*	220	

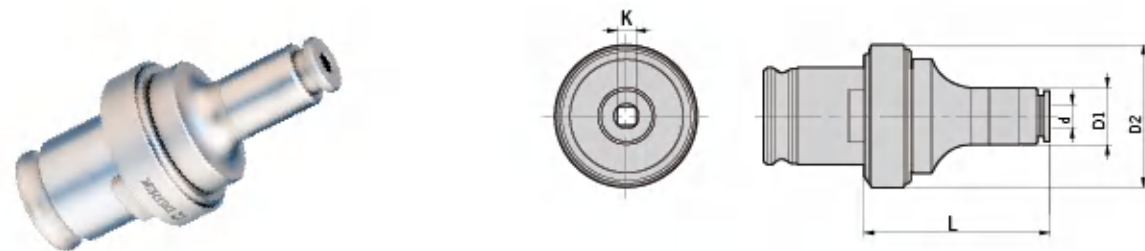
注: ISO529 (1) 为细柄普通粗牙螺纹丝锥;  
ISO529 (2) 为粗柄普通粗牙螺纹丝锥。  
其中"d", "k"尺寸为标准丝锥柄部参考数据。  
TPE丝锥筒夹分别有六款长度可选, 带\*规格需下单制作。例: TPE1024-080060-100  
Note: Please note the length of the tapping collet when you order. For example: TPE1024-080060-100

## 特点 / Feature

- 有内冷却供给;
- 丝锥的快速更换;
- 符合ISO/JIS/DIN标准的丝锥TPE筒夹可用;
- 注意硬质合金丝锥会削弱夹紧力且容易比丝锥筒夹中脱落;
- TPE筒夹无扭力保护;
- 请参照丝锥尺寸表;
- TPE筒夹与TPG刀柄组合使用。
- With cooling supply;
- Quick change;
- For taps with standard ISO, JIS and DIN;
- Solid carbide taps will drop off easily;
- With torque protection;
- Please refer taps chart;
- TPE tapping collet is for TPG tapping chuck.

# TPD

TPD316 Tapping Collet  
TPD316 攻牙筒夹



型号 Specification	d	k	D1	D2	备注通用Taps				
					ISO529(2)	ISO529(1)	JIS	DIN371	DIN376
<b>TPD316-028021-L</b>	2.8	2.1	20	33	-	-	-	-	M4
0315025-L	3.15	2.5	20	33	M4	M3	-	-	-
035027-L	3.5	2.7	20	33	-	-	-	M3	M5
0400315-L	4	3.15	20	33	M5	M4	-	-	-
040032-L	4	3.2	20	33	-	-	M3; W1/8	-	-
045034-L	4.5	3.4	20	33	-	-	-	M4	M6
0450355-L	4.5	3.55	20	33	M6	-	-	-	-
050040-L	5	4	20	33	-	M5	M4	-	-
055045-L	5.5	4.5	20	33	-	-	M5; W3/16	-	-
060045-L	6	4.5	20	33	-	-	M6; W1/4	M4.5 M5 M6	-
060049-L	6	4.9	20	33	-	-	-	-	M8
061050-L	6.1	5	20	33	-	-	W5/16	-	-
062050-L	6.2	5	20	33	-	-	M8	-	-
063050-L	6.3	5	20	33	M8	M6	-	-	-
070055-L	7	5.5	20	33	-	-	M10; W3/8	M7	M9 M10
080060-L	8	6	20	33	-	-	W7/16; PT1/8	M8	-
080062-L	8	6.2	20	33	-	-	-	-	-
080063-L	8	6.3	20	33	M10	M8	-	-	-
085065-L	8.5	6.5	20	33	-	-	M12	-	-
090070-L	9	7	27	33	-	-	W1/2	M9	M12
090071-L	9	7.1	27	33	M12	-	-	M10	-
100080-L	10	8	27	33	-	M10	-	-	-
105080-L	10.5	8	27	33	-	-	M14	-	-
110090-L	11	9	27	33	-	-	PT1/4	-	M14
112090-L	11.2	9	27	33	M14	-	-	-	-
120090-L	12	9	27	33	-	-	-	-	M16
125100-L	12.5	10	27	33	M16	-	M16	-	-

TPD丝锥筒夹长度 Length of Tapping Collet		
L	L+60	L+100
45	105	145

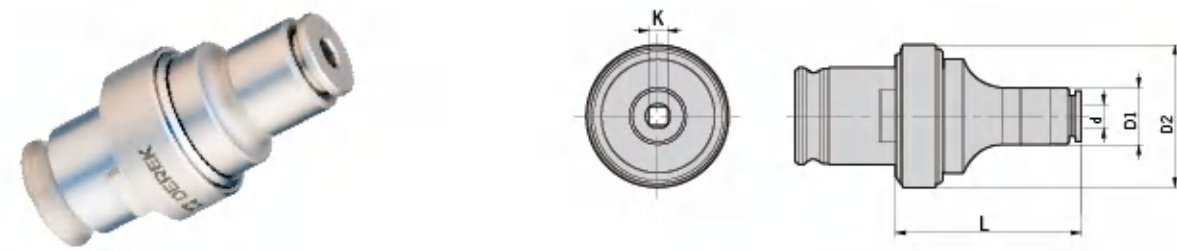
注：ISO529 (1) 为细柄普通粗牙螺纹丝锥；  
ISO529 (2) 为粗柄普通粗牙螺纹丝锥。  
其中“d”，“k”尺寸为标准丝锥柄部参考数据。

TPD316丝锥筒夹分别有三款长度可选。例：TPD316-028021-105

Note: Please note the length of the tapping collet when you order. For example: TPD316-028021-105

# TPD

TPD830 Tapping Collet  
TPD830 攻牙筒夹



型号 Specification	d	k	D1	D2	备注通用Taps			
					ISO529(2)	JIS	DIN371	DIN376
<b>TPD830-060049-L</b>	6	4.9	20	50	-	-	-	M8
061050-L	6.1	5	20	50	-	W5/16	-	-
062050-L	6.2	5	20	50	-	M8	-	-
063050-L	6.3	5	20	50	M8	-	-	-
070055-L	7	5.5	20	50	-	M10; W3/8	-	M10
080060-L	8	6	20	50	-	W7/16; PT1/8	-	-
080062-L	8	6.2	20	50	-	-	M8	-
080063-L	8	6.3	20	50	M10	-	-	-
085065-L	8.5	6.5	20	50	-	M12	-	-
090070-L	9	7	27	50	-	W1/2	-	M12
090071-L	9	7.1	27	50	M12	-	-	-
100080-L	10	8	27	50	-	-	M10	-
105080-L	10.5	8	27	50	-	M14	-	-
110090-L	11	9	27	50	-	PT1/4	-	M14
112090-L	11.2	9	27	50	M14	-	-	-
120090-L	12	9	27	50	-	W5/8	-	M16
125100-L	12.5	10	27	50	M16	M16	-	-
140110-L	14	11	32	50	-	M18; W3/4; PT3/8	-	M18
140112-L	14	11.2	32	50	M18; M20	-	-	-
150120-L	15	12	32	50	-	M20	-	-
160120-L	16	12	32	50	PT1/2	-	-	M20
160125-L	16	12.5	32	50	M22	-	-	-
170130-L	17	13	32	50	-	M22; W7/8	-	-
180140-L	18	14	36	50	M24	PT1/2	-	-
180145-L	18	14.5	36	50	-	-	-	M22; M24
190150-L	19	15	36	50	-	M24	-	-
200150-L	20	15	36	50	-	M27; W1	-	-
200160-L	20	16	36	50	M27; M30	-	-	M27
220180-L	22	18	36	50	-	-	-	M30
230170-L	23	17	36	50	-	M30;	-	-

TPD丝锥筒夹长度 Length of Tapping Collet		
L	L+60	L+100
65	125	165

注：ISO529 (1) 为细柄普通粗牙螺纹丝锥；  
ISO529 (2) 为粗柄普通粗牙螺纹丝锥。

其中“d”，“k”尺寸为标准丝锥柄部参考数据。

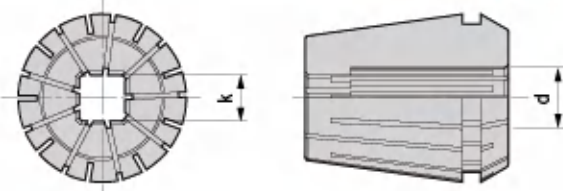
TPD830丝锥筒夹分别有三款长度可选。例：TPD830-060049-125

Note: Please note the length of the tapping collet when you order. For example: TPD830-060049-125

# ER-G

ER-G Tapping Collet  
ER-G 攻牙筒夹

**NEW**



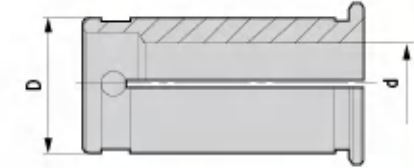
型号 Specification		d	k	备注通用Taps						
				ISO529(1)	ISO529(2)	JIS	DIN371	DIN376		
ER16-		0224018G	2.24	1.8	-	M3	-	-		
ER16-		028021G	2.8	2.1	-	-	-	M4		
ER16-		0315025G	3.15	2.5	M3	M4	-	-		
ER16-		035027G	3.5	2.7	-	-	M3	M4.5、M5		
ER16-	ER20-	040032G	4	3.2	M4	M5	M3、W1/8	-		
ER16-	ER20-	ER25-	045034G	4.5	3.4	-	-	M4 M6		
ER16-	ER20-	ER25-	045035G	4.5	3.55	-	M6	-		
ER16-	ER20-	ER25-	050040G	5	4	M5	M4	-		
ER16-	ER20-	ER25-	055045G	5.5	4.5	-	M5、W3/16	-		
ER16-	ER20-	ER25-	060045G	6	4.5	-	M6、W1/4	-		
ER16-	ER20-	ER25-	060049G	6	4.9	-	-	M4.5、M5、M6M8		
ER16-	ER20-	ER25-	061050G	6.1	5	-	W5/16	-		
ER16-	ER20-	ER25-	062050G	6.2	5	-	M8	-		
ER16-	ER20-	ER25-	063050G	6.3	5	M6	M8	-		
ER16-	ER20-	ER25-	ER32-	070055G	7	5.5	-	M10、W3/8 M7 M9、M10		
ER16-	ER20-	ER25-	ER32-	080060G	8	6	-	W7/16、PT1/8 -		
ER16-	ER20-	ER25-	ER32-	080062G	8	6.2	-	-	M8 M11	
ER16-	ER20-	ER25-	ER32-	080063G	8	6.3	M8	M10	-	
ER16-	ER20-	ER25-	ER32-	085065G	8.5	6.5	-	M12	-	
ER16-	ER20-	ER25-	ER32-	090070G	9	7	-	W1/2	M9 M12	
ER16-	ER20-	ER25-	ER32-	090071G	9	7.1	-	M12	-	
ER16-	ER20-	ER25-	ER32-	ER40-	100080G	10	8	M10	-	M10
	ER20-	ER25-	ER32-	ER40-	105080G	10.5	8	-	M14	-
	ER20-	ER25-	ER32-	ER40-	110090G	11	9	-	PT1/4	M14
	ER20-	ER25-	ER32-	ER40-	112090G	11.2	9	-	M14	-
	ER20-	ER25-	ER32-	ER40-	120090G	12	9	-	W5/8	M16
	ER20-	ER25-	ER32-	ER40-	125100G	12.5	10	-	M16	M16
		ER25-	ER32-	ER40-	140110G	14	11	-	M18、W3/4、PT3/8	M18
		ER25-	ER32-	ER40-	140112G	14	11.2	-	M18、M20	M18
		ER25-	ER32-	ER40-	150120G	15	12	-	M20	-
			ER32-	ER40-	160120G	16	12	-	-	M20
			ER32-	ER40-	160125G	16	12.5	-	M22	-
			ER32-	ER40-	170130G	17	13	-	M22、W7/8	-
			ER32-	ER40-	180140G	18	14	-	M24	PT1/2
			ER32-	ER40-	180145G	18	14.5	-	-	M22、M24
			ER32-	ER40-	190150G	19	15	-	M24	-
				ER40-	200150G	20	15	-	M27、W1、PT5/8	-
				ER40-	200160G	20	16	-	M27、M30	M27
				ER40-	220180G	22	18	-	-	M30
				ER40-	220190G	22	19	-	M32、M33	-
				ER40-	224180G	22.4	18	-	M33	-
				ER40-	230170G	23	17	-	M30、PT3/4	-
				ER40-	250190G	25	19	-	M33	-

注：选型前需确认丝锥柄径与四方尺寸。  
Note: The size of the shank must to be suitable with the collet.

■常规备库精度≤0.015mm  
■In stock with accuracy ≤ 0.015mm

# SC

SC Power Collet  
SC 强力筒夹



型号 Specification	D	d	L
SC16- 4	16	4	45
6	16	6	45
8	16	8	45
10	16	10	45
12	16	12	45

型号 Specification	D	d	L
SC20- 4	20	4	52
6	20	6	52
8	20	8	52
10	20	10	52
12	20	12	52
15	20	15	52
16	20	16	52

型号 Specification	D	d	L
SC25- 6	25	6	60
8	25	8	60
10	25	10	60
12	25	12	60
16	25	16	60
20	25	20	60

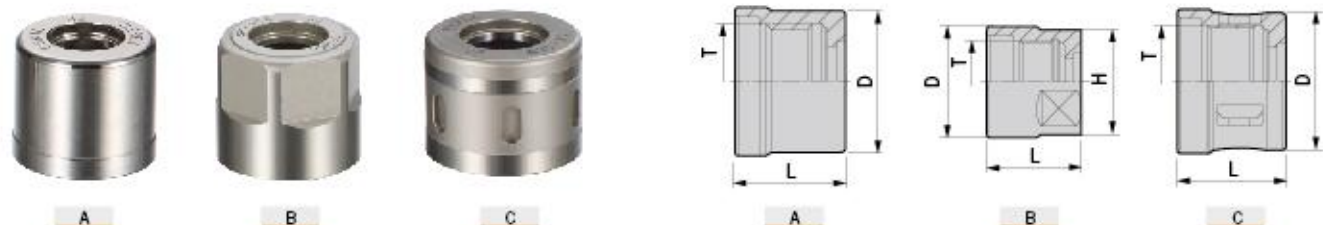
型号 Specification	D	d	L
SC32- 3	32	3	66
4	32	4	66
5	32	5	66
6	32	6	66
7	32	7	66
8	32	8	66
9	32	9	66
10	32	10	66
11	32	11	66
12	32	12	66
13	32	13	66
14	32	14	66
15	32	15	66
15.6	32	15.6	66
16	32	16	66
17	32	17	66
18	32	18	66
19	32	19	66
20	32	20	66
21	32	21	66
22	32	22	66
23	32	23	66
24	32	24	66
25	32	25	66

型号 Specification	D	d	L
SC42- 6	42	6	80
8	42	8	80
10	42	10	80
12	42	12	80
16	42	16	80
18	42	18	80
20	42	20	80
24	42	24	80
25	42	25	80
32	42	32	80

■精度≤0.01mm  
■Accuracy ≤ 0.01mm

# GSK/DSK/ER-NUT

Clamping Nuts For GSK/DSK Collet Chuck  
GSK/DSK 高速刀柄专用螺帽



型号 Specification	图示 Figure	D	H	L	T
<b>GSK 6</b>	A	19.5	-	21	M15.5x1.0P
10	A	27	-	24	M21.5x1.0P
16	A	40	-	31	M32x1.5P
20	A	48.5	-	33	M40x1.0P
25	A	55	-	37	M45x1.5P
<b>DSK 6-A</b>	B	20	18	21	M15.5x1.0P
10-A	B	27.5	25	24	M21.5x1.0P
16-M	C	40.5	-	31	M32x1.5P
20-M	C	48.5	-	33	M40x1.0P
25-M	C	55	-	37	M45x1.5P

Clamping Nut For ER Collet Chuck  
ER 夹头螺帽



型号 Specification	图示 Figure	D	L	T
<b>CNA- ER16</b>	A	28	17.5	M 22XP1.5
ER20	A	34	19	M 25XP1.5
<b>CNU- M/RD-ER25</b>	B	42	20	M 32XP1.5
M/RD-ER32	B	50	22.5	M 40XP1.5
M/RD-ER40	B	63	25.5	M 50XP1.5
<b>CNM- ER11</b>	C	16	12	M13XP0.75
ER16	C	23	18	M 19XP1.0
ER20	C	28	19	M 24XP1.0
ER25	C	35	20	M 30XP1.0

# WCPA/WGSK/TSK/ER-WRENCH

Wrench for HSK Coolant Pipe  
HSK 冷却液导管扳手



型号 Specification	适用本体 Tool holder	重量 Weight
<b>WCPA 40</b>	HSK40	0.40
50	HSK50	0.50
63	HSK63	0.60
100	HSK100	0.60

Wrench For GSK Tool Holder  
GSK 套筒专用扳手



型号 Specification	适用螺帽 Clamping nut	重量 Weight
<b>WGSK 6</b>	GSK6	0.30
10	GSK10	0.35
16	GSK16	0.40
20	GSK20	0.50
25	GSK25	0.55

Wrench For DSK Tool Holder  
DSK 专用扳手



型号 Specification	适用螺帽 Clamping nut	重量 Weight
<b>TSK 6-A</b>	DSK6	0.10
10-A	DSK10	0.10
16-M	DSK16	0.20
20-M	DSK20	0.30
25-M	DSK25	0.40

Wrench For ER Tool Holder  
ER 专用扳手



型号 Specification	适用螺帽 Clamping nut	重量 Weight
<b>ER 16-A</b>	CNA-ER16	0.10
20-A	CNA-ER20	0.10
11-M	CNM-ER11	0.20
16-M	CNM-ER16	0.20
20-M	CNM-ER20	0.20
25-M	CNM-ER25	0.20
25-UM.KM/RD	CNU-ER25	0.20
32-UM.KM/RD	CNU-ER32	0.20
40-UM.KM/RD	CNU-ER40	0.30

# HPM/MLC/SPU/WDC-WRENCH

Wrench For Milling Chuck HPM  
HPM 强力弹性套筒专用扳手



型号 Specification	适用本体 Tool holder	重量 Weight
WHPM 16	HPM16	0.40
20	HPM20	0.50
32	HPM32	0.60

Wrench For Tool Holder MLC/HPC  
MLC/HPC 强力筒夹本体专用扳手



型号 Specification	适用本体 Tool holder	重量 Weight
SP-MLC 20	MLC20/HPC20	0.20
32	MLC32/HPC32	0.30
42	MLC42/HPC42	0.45

Wrench For Drill Chuck SPU  
SPU 钻夹头专用扳手



型号 Specification	适用本体 Tool holder	重量 Weight
SP-SPU 8	SPU8	0.10
13	SPU13	0.12
16	SPU16	0.12

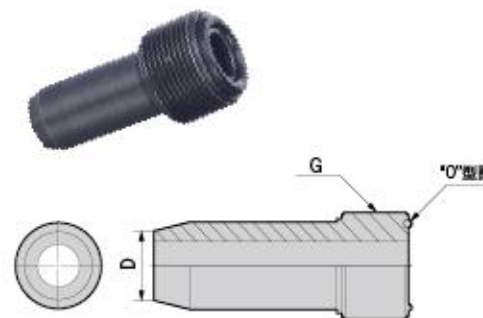
Wrench For DC Extender  
DC 延长杆专用扳手



型号 Specification	适用本体 Tool holder	重量 Weight
WDC	DC	0.10

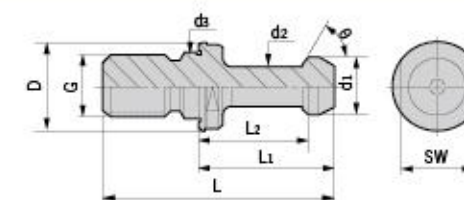
# HSK-CPA/BT/SK-PULL STUD

HSK-CPA Coolant Pipe  
HSK-CPA 填充管



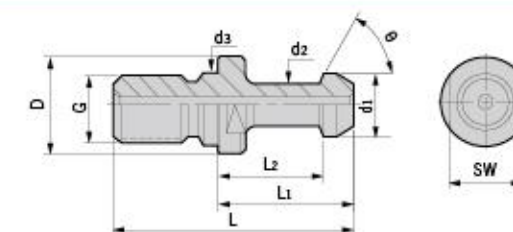
型号 Specification	D	G	扳手 Wrench
HSK 40-CPA	8	M12X1.0P	WCPA40
50-CPA	10	M16X1.0P	WCPA50
63-CPA	12	M18X1.0P	WCPA63
100-CPA	16	M24X1.5P	WCPA100

BT Pull Stud Without Hole  
BT 螺栓拉头



型号 Specification	D	d1	d2	d3								
BT30- 45	16.5	11	7	12.5	23	18	43	45°	M12	13	0.03	
	60	16.5	11	7	12.5	23	18	43	60°	M12	13	0.03
BT40- 45	23	15	10	17	35	28	60	45°	M16	19	0.07	
	60	23	15	10	17	35	28	60	60°	M16	19	0.07
BT50- 45	38	23	17	25	45	35	85	45°	M24	30	0.25	
	60	38	23	17	25	45	35	85	60°	M24	30	0.25
90	38	23	17	25	45	35	85	90°	M24	30	0.25	

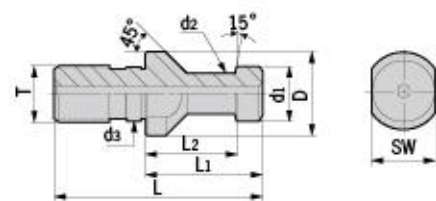
BT Pull Stud With Cooling Hole  
BT螺栓出水拉头



型号 Specification	给水孔径 Coolant dia.	D	d1	d2								
BT40- 45C	4	23	15	10	17	35	28	60	45°	M16	19	0.07
	60C	4	23	15	10	17	35	28	60°	M16	19	0.07
	90C	4	23	15	10	17	35	28	90°	M16	19	0.07
BT50- 45C	6	38	23	17	25	45	35	85	45°	M24	30	0.25
	60C	6	38	23	17	25	45	35	60°	M24	30	0.25
	90C	6	38	23	17	25	45	35	90°	M24	30	0.25

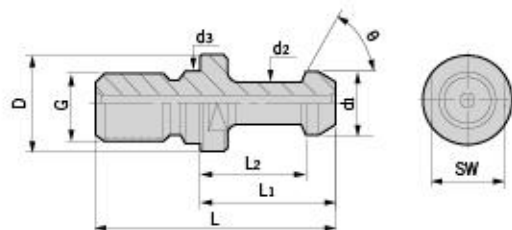
# SK/CAT/MAZAK-PULL STUD

SK Pull Stud With Cooling Hole  
SK 螺栓出水拉头



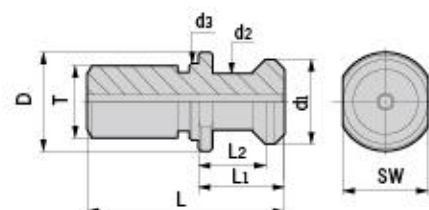
型号 Specification	D	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L	SW	T	重量 Weight
SK- 30A	17	13	9	13	-	24	19	-	44	14	M12	0.03
40A	23	19	14	17	7	26	20	3.0	54	19	M16	0.05
50A	36	28	21	25	11.5	34	25	4.5	74	30	M24	0.30

CAT Pull Stud With Cooling Hole  
CAT 螺栓出水拉头



型号 Specification	给水孔径 Coolant dia.	D	d <sub>1</sub>	d <sub>2</sub>	L <sub>1</sub>	L <sub>2</sub>	L	T	SW	重量 Weight
CAT40- 45UC	7.1	23.8	18.8	12.4	16.2	11.2	38.1	5/8'-11UNC	19.05	0.03
CAT50- 45UC	11.9	36.5	28.9	20.8	25.4	17.7	58.4	1'-8UNC	31.75	0.16

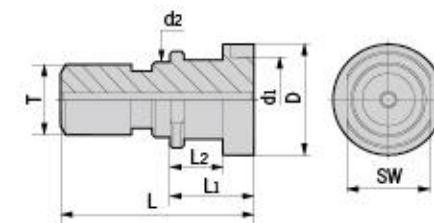
MAZAK Pull Stud  
MAZAK 螺栓拉头



型号 Specification	D	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	L	L <sub>1</sub>	L <sub>2</sub>	SW	T	重量 Weight
MAZAK- 40	22	18.8	12.45	17	44.1	19.1	14	19	M16	0.02
50	37	28.96	20.83	25	65.2	25.2	17.58	30	M24	0.10

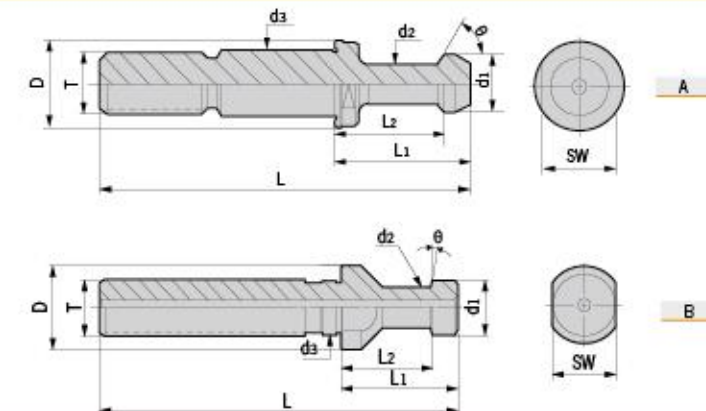
# DIN2080/MTB-PULL STUD

DIN2080 Pull Stud  
DIN2080 螺栓拉头



型号 Specification	D	d <sub>1</sub>	d <sub>2</sub>	L	L <sub>1</sub>	L <sub>2</sub>	SW	T	重量 Weight
DIN2080- 40	25	21.1	17	53	25	13.6	19	M16	0.06
50	39.3	32	25	65	25	13.35	30	M24	0.30

MTB Tension Screw  
MTB 拉紧拉头



型号 Specification	图示 Figure	D	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	L <sub>1</sub>	L <sub>2</sub>	L	theta	G	SW	重量 Weight
BT30- 45-MT2	A	16.5	11	7	12.5	23	18	105	45°	M10	13	0.07
BT40- 45-MT3	A	23	15	10	17	35	28	110	45°	M12	19	0.10
45-MT4	A	23	15	10	17	35	28	110	45°	M16	19	0.10
BT50- 45-MT5	A	38	23	17	25	45	35	165	45°	M20	30	0.65
SK30- 15-MT2	B	17	13	9	13	24	19	105	15°	M10	14	0.07
SK40- 15-MT3	B	23	19	14	17	26	20	103	15°	M12	19	0.10
15-MT4	B	23	19	14	17	26	20	113	15°	M16	19	0.10
SK50- 15-MT5	B	36	28	21	25	34	25	145	15°	M20	30	0.65

# SF-MACHINE

Shrink-Fit Principle  
电磁诱导加热原理 (热胀冷缩)

## 快速加热原理 / Heating

由加热器内之感应线圈, 产生高频电磁波使刀杆感应电流而快速加热, 使刀柄内孔扩张, 提升换刀效率。  
When the induction coils works with electricity, the shank of the tool holder which was placed into the coils heating system, is heated and expands.

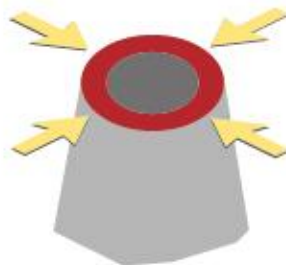
## 冷却原理 / Cooling

利用空压机之强制降温冷却, 使刀杆能迅速到达常温状态。(冷却时间与空压机马力大小成反比)  
Cooling with compressed air to room temperature. (Cooling time is inversely proportional to the power of air compressor)

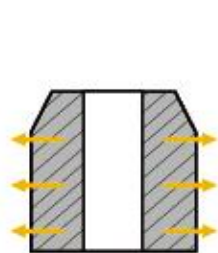
例: BT40-SF8-90



加热10-12秒  
Heating Time:10-12"

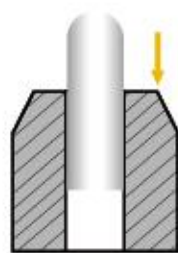


冷却120秒  
Cooling Time:120"



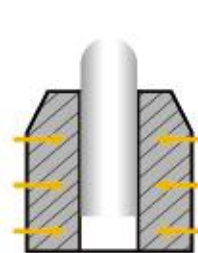
### 加热 Heating

将刀具置加热器内加热, 时间约20-24秒  
Place tool holder in heating machine 20-24s for heating



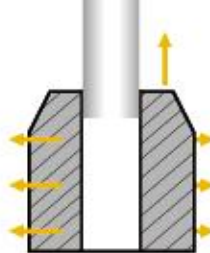
### 置入刀具 Inserting

将刀具置入加热膨胀后的刀柄  
Put the shank of the tool into the expanded holder



### 固定夹持 Cooling

温度冷却收缩后的刀柄, 可稳固夹持刀具  
Cool the holder and clamp the tool



### 取出 Removing

刀柄在加热膨胀后, 可轻易取出刀具  
Heat the holder and remove the tool

## 操作便利安全 / User-Friendly With High Security

刀杆被加热至换刀温度后, 约五秒后自动开启送风装置冷却刀杆, 不必移动加热器, 提高操作之安全性。  
When the holder is heated to the temperature to remove the tool, the cooling system will be switched on automatically. No bothering to remove the heater.

# SF-MACHINE

Operating inductions & Notice for SF-3500  
SF-3500电磁感应热缩机简介及注意事项



合金钢/不锈钢  
兼容  
Achieved  
Alloy & Stainless steel

3秒  
刀具直径Φ6  
Quick Change in 3S  
For Tool Φ6

型号 Specification	加热时间 Heating Time	冷却方式 Cooling	输出电源 Voltage	瞬间输出最大功率 Power	适用刀具材质 Material of Tools	范围 Range	LxWxH (mm)	重量 Weight
SF-3500	3-15"	风冷 Air Cooling	SINGLE-PHASE 220V/25A	3500W	钨钢 Carbide	Φ3-Φ25 mm	600x500x800	41KG

## Induction Head 底座圆筒

型号  
Specification

SFYT (标配 With)

用途: 用于安放刀柄底座的基体  
Base for different sizes of tools



## Tool Holder Adapter 刀柄底座

型号  
Specification

HSK 60-SF

63-SF

BT 30-SF

40-SF

50-SF

(选配)  
(For choice)



注: 以上五款任选一款作为标配  
Remark: You can choose 1 from above 5 styles as accessory

型号  
Specification

AD-DSF (选配 For choice)

用途: 用于固定不同规格的刀柄  
For different sizes of holders



## Clamp For Tools 铣刀弹簧卡片

型号  
Specification

SFTH-4

SFTH-6

SFTH-8

SFTH-10

SFTH-12

(选配)  
(For choice)



用途: 用于置入、取出刀具用, 并可设定刀具长度  
For inserting and removing the cutting tools from tool holder; Setting either the overhang length or insertion length of the cutting tool.

## Clamp Ring 卡簧钳

型号  
Specification

SFQZ (选配 For choice)

用途: 用于铣刀弹簧卡片的夹持操作  
Supporting holder during tool changes



# SF-MACHINE

Operating inductions & Notice for SF-3500  
SF-3500电磁感应热缩机简介及注意事项

## 电源配线及使用前的准备工作

Requirement For Power & Preparations

- 此感应热缩机为220V (不可高于240V或低于220V) 单相电源。接入电源线必须要6平方，一个外接单独空气开关。(最好通过稳压器接入)。
- 外接电源必须配备接地线。(确保做好接地线工作，如未做好接地线操作此机器，可能危及机器和操作人员的安全)。
- 请使用单独电源开关，不可与其他设备共用同一电源开关，避免影响其他设备的正常运作。
- 接入的空气必须做好油水分离，否则会产生机器故障和缩短刀柄寿命。
- 机器开机前请把空气接入机器右面的接气口。
- 机器必须被安装在坚固及平坦的工作台上，不会有震动和倾倒的危险，并保持干燥与整洁(感应加热机必须防止潮湿和灰尘)。工作台上不可放置易燃物品，远离火源。
- 请勿放置在加工机旁，因为运转中的机器会产生油雾水汽，容易进入机器内部，使电磁感应热缩机无法保持干燥与清洁影响机器寿命。
- 注意：电磁感应线圈头部升降必须开机才能移动。
- 把供电电线设置于人不会被绊倒或碰触的地方。
- 此电磁感应热缩机的操作是相当简易的，然而某些基本条件是必须被遵守的，如未遵守操作步骤或未经过培训的人员操作，仍然会产生以下危险情形：(1) 电击 (2) 燃烧 (3) 烫伤 (4) 不利健康 (5) 损坏刀具和机器。因此请仔细阅读使用说明及确保依照升序操作，以确保您的安全以及避免资产的损失。

■ This machine requires a 220 VAC (< 240 VAC), single phase. One extra air switch connected with the voltage stabilizer is needed. The Dia of wire should not be less than 2.76mm

■ The power cord must be plugged into a properly grounded outlet (3-prong). Operating the unit without a proper ground may cause death or injury, or damage to the machine.

■ In order to avoid the running of other machines, please connect this machine with one unique power switch.

■ Make sure the inlet air be clean and dry, or the working life machine and tool holders will be reduced.

■ Get the air inlet tube connected with this machine before running.

■ This machine requires a level and stable surface for proper operation. Keep it dry and clean.No flammable materials around.

■ Keep it in a place with good ventilation to promise a long tool life of this machine.

■ Note: Move the inductio head only under the machine is running normally.

■ Position the power cord in a proper way to avoid a tripping hazard for personnel.

■ This machine is safe and easy to operate. Despite that, there is still some danger if it is operated incorrectly and/or by untrained personnel. 1) electric shock 2) burn 3) scald 4) Unhealthy 5) Damage to tools and machine. So, please fully read and understand this manual before your operation.

# SF-MACHINE

Operating inductions & Notice for SF-3500  
SF-3500电磁感应热缩机简介及注意事项

## 特殊安全预防事项

Safety Precaution

- 本机器使用220V单相电源，不可使用其他电压，否则会损坏机器。
- 加热使用过程中，禁止移动电磁线圈，以免线圈烧坏或者主板烧坏。(加热过程中禁止抬上或者往下移动电磁线圈)。
- 第一次使用前，请仔细阅读并了解此操作说明，特别是安全注意事项，此操作说明需放置于操作人员易于去之处。(关于此操作说明之图解及说明，本公司保留所有权，对于技术上，连同外观视觉上的改变无需事前告知)。
- 装置心律调整器的人请不要操作此机器并远离本机器2公尺以上。
- 请全程戴着防护手套操作。(刀柄高温锐利，请小心操作不要赤手触摸)。
- 机盒内有高压电，请不要自行拆解，避免电击。(关机后仍有残留电压，请注意)非本公司授权的技术人员，严禁拆解机器！自行拆解机器，将免除本公司的任何责任及保证要求。
- 本机使用中需适度散热，请置于通风良好的场所使用。
- 操作电磁感应热缩机，请一定要穿着鞋子以确保安全。(严禁赤脚操作，并且确保做好电源接地工作)。
- 电磁感应热缩机请放置于稳固的工作台上，并保持工作台面干净清洁，避免潮湿及重击。
- 金属物品接近感应器内时会非常快速加热，故操作时请勿佩戴手表、饰品。
- 使用时请远离火源及易燃物品，以策安全。
- 此电磁感应热缩机特别设计与试用，操作需要有熟练的技巧，请训练专人操作，训练新人务必要有熟练人员陪同教导。

This machine is designed to work with shrink fit tool holders made from alloy steel and stainless steel.

■ This machine is meant for shrinking fitting tools with carbide shanks (dia 3 mm to 32 mm). The out diameter of tool holder shall not be smaller than 45 mm.

■ When the insertation of tools failed, please re-heat after cooling the tool holder. Re-heating without cooling will damage the tool holder as well as the machine.

■ Dial under heating model only. And dial under cooling model only.

■ As the induction head packed with plastics, please make sure the hot tool holder and tools no touch with it, or it will get burnt.

■ This machine is for shrink-fit tool holders only, please don't use it for others. If it is used improperly, DEREK is not going to take any responsibility for it.

## 加热时间参考表

Table For Heating Time

壁厚T/规格MM Thickness of Holder	合金钢/秒 Seconds for Alloy	不锈钢/秒 Seconds for Stainless Steel
1.5(4-12)	3	7-8
3.0(4-8)	4-5	8-10
3.0(10)	5-6	8-11
4.0(12)	6-8	8-11
6.5(4-8)	10-12	9-12
6.5(10-12)	11-13	9-12
6.5(14-25)	11-15	10-14
8.0(14-25)	13-17	10-15
10(25)	15-20	15-18

\*以上时间仅供参考，以实际操作为准。Actual heating time depends on the diameter, material and some other factors.

# DK-TOOL PRESETTER

DK Tool Presetter  
DK 刀具设定仪

## 用途 / Functions

■本仪器集光、机、电于一体的刀具预调设备。主要用于量测镗床、数控加工中心等制造上所使用的镗铣类切削刀具之孔径及刀具之预调仪器。

■This tool pre-setter is optical, mechanical and electrical, used for measuring and pre-setting cutting tools for boring machine and machining centers.

## 特点 / Feature

■仪器主轴为“锁定装置”设计，操作容易、便利；  
■主轴可依对同规格之刀具来测量（BT50, BT40, BT30）而选择不同的转换套做转换；  
■X、Y轴均采用光学尺装置来预示测量之数值；  
■仪器附有两组手动旋转装置。

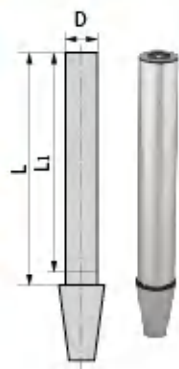
■The spindle of this tool pre-setter is with Locking Design, user-friendly and convenient;  
■The spindle could be used to measure different types (BT30, BT40, BT50) of tools with different adapters;  
■X-axial and Y-axial measure size optically;  
■This tool pre-setter is with two sets of spare parts for manual device.



型号 Specification	电源 Power	测量范围 Measuring range	数据解析度 Resolution	主轴锥度 Testing bar	外观尺寸 Dimension LxWxH(mm)	重量 Weight
DK-300	AC110V/220V 50HZ/60HZ	直径(X向) 300mm 高度(Z向) 30-400mm	X轴0.005mm Z轴0.005mm	BT50	860x560x990	102
DK-400	AC110V/220V 50HZ/60HZ	直径(X向) 400mm 高度(Z向) 30-400mm	X轴0.005mm Z轴0.005mm	BT50	930x600x950	108
DK-600	AC110V/220V 50HZ/60HZ	直径(X向) 600mm 高度(Z向) 30-600mm	X轴0.005mm Z轴0.005mm	BT50	1070x680x1050	125

## Testing Bar 机床主轴跳动测试棒

型号 Specification	D	L	L1
BT/SK 50-260 (标配主轴)	40	260	250
40-250 (选配)	40	250	240
30-200 (For choice)	32	200	190
HSK 100-260 (选配)	50	260	225
63-250 (For choice)	40	250	220
50-200	32	200	170



## Adapter 变径转换套

型号 Specification
BT/SK50- 30
40
BT/SK50- HSK50 (选配)
HSK63 (For choice)
HSK100



# DK-TOOL PRESETTER

Operations And Notice  
注意事项及使用说明

A. 为使本仪充分发挥功能，敬请详阅以下的操作说明，确保本仪器的准确性  
Before operating, please read following points carefully:

- 检查木箱在运输中是否受损，并检查仪器外观是否良好；
- 拆箱后将地盘固定螺丝松脱，并锁上随机附送的调整螺丝；
- 请确保清洗防锈油，切记不可使用汽油、丙酮类溶剂。
- Check if the package is intact and presetter is in good condition;
- Unfasten the set screws, and fasten it with adjusting screws included in package;
- Clean with anti-rust oil. No gasoline, nor any solvent with acetone.

B. 操作前请确认下列事项：  
Checking the following points before operating:

- 松开X轴固定螺丝。（请参照本仪器上黄色贴纸）；
- 松开Z轴固定配重块螺丝。（请参照本仪器上黄色贴纸）；
- 检查润滑系统是否正常；
- 主轴务必确保清洁；
- 测试棒擦拭干净。
- 上述4.5两项于每次操作前必须彻底清洁，使用后请保持防锈及清洁杂物、灰尘、铁屑等。
- Unfasten the set screw on X axis (See yellow pasters on this equipment);
- Unfasten the set screw on Z axis (See yellow pasters on this equipment);
- Check the lubrication system;
- Clean the spindle;
- Clean the test bar;
- Before every operation, Procedures 4 and 5 aforementioned shall be done.

C. 操作中注意事项：  
Notices:

- 本仪器Z轴升降时为手动快速移位装置；
- 操作Z轴快速移位时请勿大力拉扯，请将把手往内压下，在移至接近刀具时，再使用微调手轴；
- 量测刀具时请以刀背接触测头，避免损坏测头及量表。
- Move the Z-axis with one hand;
- No pulling nor pushing Z-axis brutally; Please push the Z-axis gently approaching the tool and then micro adjust with one hand;
- Please don't touch probe with the cutting edge to avoid any damage to probe and meter.

## Instructions 使用说明

A X轴归零“0”：  
Return X-axis to Zero:

- 请同时拭擦清洁主轴及测试棒；
- 将Z轴(升降)百分表架，向顺时针方向移90度，以免X轴归“0”时撞击测试棒；
- 将X轴量表测头调至接触测试棒，使量表指针向顺时针方向接触第一个0的位置；
- 将X轴显示数据设定为举测试棒半径尺寸相同之数字，即完成归0。
- Clean the spindle and test bar;
- Move Z-axis to an angle of 90 in clock-wise direction, to avoid the bump between test bar and X-axis;
- Adjust the probe of X-axis to the test bar and make indicator touch the "0" in clock-wise direction;
- Set the display data of X-axial same as the radius of testing bar, which means it is ready for testing.

B. 量测程序：  
Measuring procedures:

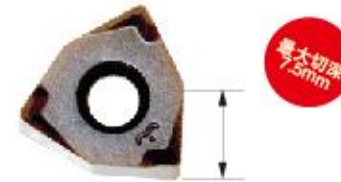
- 测试棒之归“0”动作务必落实、确定；
- 将刀具置入主轴，并用锁紧螺帽固定住；
- 旋转主轴，使刀具之刀尖接触到X轴测头，让量表指针转至第一个0的位置；
- 于显示器上设定刀具所需之尺寸，X轴请输入半径值，此时即完成刀具预调值；
- 取下刀具时，请以逆时针方向松脱主固定螺帽。
- Make sure X-axis to Zero;
- Lock the tool with set screw on Z-axis;
- Move the spindle and make the cutting edge touch the probe of X-axis. Indicator points to the first Zero position;
- Set the required sizes of tools and the value of radius on X-axis;
- Unfasten the locking nut anti-clock-wisely and dismantle the tool.

# MFXN

Type-MFXN Square Face Milling cutter  
MFXN型 90° 面铣刀

Kr=90°  
标准规格直径50-160mm  
刀片材质选项丰富P/M/K/S/H

Kr=90°  
Standard diameter: 50-160mm  
More options for inserts P/M/K/S/H



加工案例:  
机床: 立加  
被加工材料: 45号钢  
被加工材料硬度: HRC30  
刀盘规格: MFXN90-100-32-8T-R  
铣刀片: XNMX080608-GM SP5330  
切削速度Vc: 180m/min (580r/min)  
进给速度fz: 0.2mm/t(Vf=930mm/min)  
切深ap: 2mm  
切宽ae: 80mm  
冷却方式: 水冷

Machining Case:  
Vertical machine  
Processed Material: 45# steel  
Material Hardness: HRC30  
Specification of Mill:  
MFXN90-100-32-8T-R  
Insert: XNMX080608-GM SP5330  
Cutting rate: 180m/min (580r/min)  
Feed: 0.2mm/t(Vf=930mm/min)  
Cutting depth: 2mm  
Cutting width: 80mm  
Coolant: Water



# MFXN

Type-MFXN Square Face Milling cutter  
MFXN型方肩面铣刀盘

- 大前倾角与动态斜面设计实现低阻力、低振感，有效提高被加工表面粗糙度。
- 厚规格设计使得抗崩刃性更卓越，最大切深7.5mm。
- 无方向刀片可应对多种类加工，包括平面、台阶、切槽、垂直加工。
- 双面6刀尖比传统正角刀片更提供经济实惠。

- The structure has a large anterior horn and dynamic slant design, easily for cutting and low vibration. Effectively improved surface roughness of the workpiece.
- Thick insert is remarkable for anti-broken. which can be ensured for the maximum cutting depth as 7.5mm.
- The non-directional insert can deal with many kinds of processing, including plane, step, grooving, verticality machining.
- Double faces and 6 teeth, more economical and practical than the traditional tools.

# MFWN

Type-MFWN Square Face Milling cutter  
MFWN型 90° 面铣刀

Kr=90°  
标准规格直径63-250mm  
刀片材质选项丰富PMKIS

Kr=90°  
Standard diameter: 63-250mm  
More options for inserts PMKIS



# MFWN

Type-MFWN Square Face Milling cutter  
MFWN型方肩面铣刀盘

加工案例:  
机床: 立加  
被加工材料: 45号钢  
被加工材料硬度: HB180  
刀盘规格: MFWN90-160-40-10T-R  
铣刀片: WNGU080608N-GM EP5125  
切削速度Vc: 140m/min (280r/min)  
进给速度fz: 0.15mm/t(Vf=420mm/min)  
切深ap: 2.5mm  
切宽ae: 130mm  
冷却方式: 气冷

Machining Case:  
Vertical machine  
Processed Material: 45# steel  
Material Hardness: HB180  
Specification of Mill:  
MFWN90-160-40-10T-R  
Insert: WNGU080608N-GM EP5125  
Cutting rate: 140m/min (280r/min)  
Feed: 0.15mm/t(Vf=420mm/min)  
Cutting depth: 2.5mm  
Cutting width: 130mm  
Coolant: Air

- 大前倾角与动态斜面设计实现低阻力、低振感，有效提高被加工表面粗糙度。
- 厚规格设计使得抗崩刃性更卓越，刀锋尖端厚度8.5mm，最薄部位也确保5mm厚度，最大切深8mm。
- 无方向刀片可应对多种类加工，包括平面、台阶、切槽、垂直加工。
- 双面6刀尖比传统正角刀片更提供经济实惠。

- The structure has a large anterior horn and dynamic slant design, easily for cutting and low vibration. Effectively improved surface roughness of the workpiece.
- Thick insert is remarkable for anti-broken. Thickness of insert edge is 8.5mm, and thinnest part is 5mm, which can be ensured for the maximum cutting depth as 8mm.
- The non-directional insert can deal with many kinds of processing, including plane, step, grooving, verticality machining.
- Double faces and 6 teeth, more economical and practical than the traditional tools.

# HN45

Type- HN45 45°Face Mill  
HN45型 45° 面铣刀

Kr=45°  
12刀尖=经济性与切深的绝佳融合  
标准规格直径50-315mm  
刀片材质选项丰富PMKIS

Kr=45°  
12-edge insert, superb combination of economy and cutting depth Standard diameter: 50-315mm  
More options for inserts PMKIS



# HN45

Type- HN45 45°Face Mill  
HN45型45°面铣刀

加工案例:  
机床: 立加  
被加工材料: HT300  
被加工材料硬度: HB200  
刀盘规格: HN45-125-40-8T-R  
铣刀片: HNGX0907ANSN-R EP5125  
切削速度Vc: 240m/min (600r/min)  
进给速度fz: 0.15mm/t(Vf=720mm/min)  
切深ap: 1.5mm  
切宽ae: 80mm  
冷却方式: 水冷

Machining Case:  
Vertical machine  
Processed Material: HT300  
Material Hardness: HB200  
Specification of Mill:  
HN45-125-40-8T-R  
Insert: HNGX0907ANSN-R EP5125  
Cutting rate: 240m/min (600r/min)  
Feed: 0.15mm/t(Vf=720mm/min)  
Cutting depth: 1.5mm  
Cutting width: 80mm  
Coolant: Water

- 动态斜面设计实现低阻力、低振感，有效提高粗加工进给速度、并保障良好的表面粗糙度。
- 厚规格设计使得抗崩刃性更卓越，刀锋尖端厚度7mm，最薄部位也确保5mm厚度，最大切深5mm。
- 双面12刀尖提供优秀经济性。

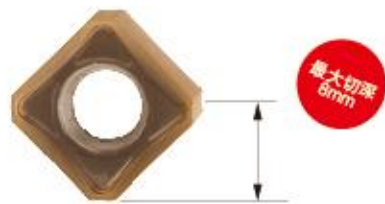
- The dynamic slant design is easy for cutting with low vibration and high speed. Effectively improved surface roughness of the workpiece.
- Thick insert is remarkable for anti-broken. Thickness of insert edge is 7mm, and thinnest part is 5mm, which can be ensured for the maximum cutting depth as 5mm.
- Double faces and 12 teeth are more economical and practical.

# SN45

Type- SN45 45°Face Mill  
SN45型 45° 面铣刀

Kr=45°  
标准规格直径50-200mm  
刀片材质选项丰富PMKS

Kr=45°  
Standard diameter: 50-200mm  
More options for inserts PMKS



# SN45

Type- SN45 45°Face Mill  
SN45型45°面铣刀

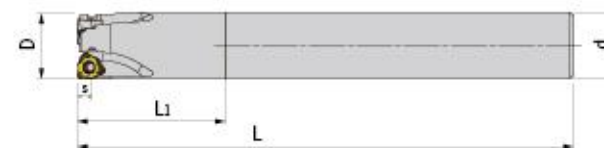
- 动态斜面设计实现低阻力、低振感，有效提高粗加工进给速度、并保障良好的表面粗糙度。
- 厚规格设计使得抗崩刃性更卓越，刀锋尖端厚度6mm，最薄部位也确保4.5mm厚度，最大切深8mm。
- 双面8刀尖提供优秀经济性。

- The dynamic slant design is easy for cutting with low vibration and high speed. Effectively improved surface roughness of the workpiece.
- Thick insert is remarkable for anti-broken. Thickness of insert edge is 6 mm, and thinnest part is 4.5 mm, which can be ensured for the maximum cutting depth as 8mm.
- Double faces and 8 teeth are more economical and practical.

Machining Case:  
Vertical machine  
Processed Material: 45# steel  
Material Hardness: HB180  
Specification of Mill:  
SN45-125-40-10T-R  
Insert: SNMX1205ATN EP5225  
Cutting rate: 200m/min (500r/min)  
Feed: 0.2mm/t(Vf=1000mm/min)  
Cutting depth: 2mm  
Cutting width: 50mm  
Coolant: Water

# MFXN

MFXN Indexable End Mill  
MFXN型 90° 端铣刀



型号 Specification	刃数 Teeth	D	d	L <sub>1</sub>	L	S	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
MFXN90- C20-21-150-2T	2	21	20	29	150	4	M025L080	Q08B	0.30
C25-26-170-4T	4	26	25	29	170	4	M025L080	Q08B	0.60
C32-33-200-5T	5	33	32	31	195	4	M025L080	Q08B	1.20
C20-21-150-3T	3	21	20	29	150	4	M025L080	Q08B	0.30
C25-26-170-5T	5	26	25	29	170	4	M025L080	Q08B	0.60
C32-33-200-6T	6	33	32	31	195	4	M025L080	Q08B	1.20

适用 Suitable: 德克刀片 DEREK Insert

图示 Fig	型号 Specification	A	S	d1	r	刀片材质 Composition	库存 Stock	适用被加工材料 P M K S H				
	XNMX040308-GM	6.7	3.285	3.15	0.8	SP5330 SP5430	▲	P钢	M 不锈钢	K铸铁	S 耐热合金	H 高硬度钢

▲ 常备库存  
▲ Excellent (Instock)

△ 生产计划中  
△ Good (Instock)

○ 按订单生产  
○ On Request

舍弃式切削刀具  
MILLING CUTTERS

双刃铣刀  
Double-flute

键槽式铣刀头  
Keyway

可换位铣刀杆  
Indexable bar

倒角刀  
Chamfer

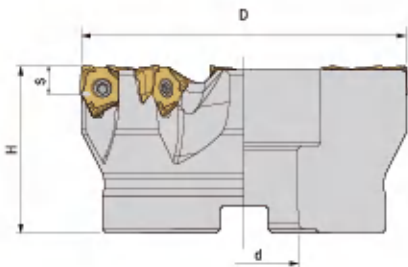
可换位面铣刀  
Indexable face mill

玉米铣刀  
CORN MILL

槽铣刀  
Slot

# MFXN

Type-MFXN Square Face Milling cutter  
MFXN型 90° 面铣刀



型号 Specification	刃数 Teeth	D	d	H	S	刀片螺钉 Insert screw	旗型扳手 Wrench	重量 Weight
MFXN90- 50-22-4T-R	4	50	22	40	7.5	M040C130	Q15B	0.30
50-22-5T-R	5	50	22	40	7.5	M040C130	Q15B	0.30
63-22-4T-R	4	63	22	40	7.5	M040C130	Q15B	0.40
63-27-6T-R	6	63	27	40	7.5	M040C130	Q15B	0.40
63-27-7T-R	7	63	27	40	7.5	M040C130	Q15B	0.40
80-27-5T-R	5	80	27	50	7.5	M040C130	Q15B	1.00
80-27-7T-R	7	80	27	50	7.5	M040C130	Q15B	1.00
80-27-9T-R	9	80	27	50	7.5	M040C130	Q15B	1.00
100-32-6T-R	6	100	32	50	7.5	M040C130	Q15B	1.50
100-32-8T-R	8	100	32	50	7.5	M040C130	Q15B	1.50
100-32-11T-R	11	100	32	50	7.5	M040C130	Q15B	1.50
125-40-7T-R	7	125	40	63	7.5	M040C130	Q15B	2.80
125-40-11T-R	11	125	40	63	7.5	M040C130	Q15B	2.80
125-40-14T-R	14	125	40	63	7.5	M040C130	Q15B	2.80
160-40-12T-R	12	160	40	63	7.5	M040C130	Q15B	4.80
160-40-16T-R	16	160	40	63	7.5	M040C130	Q15B	4.80

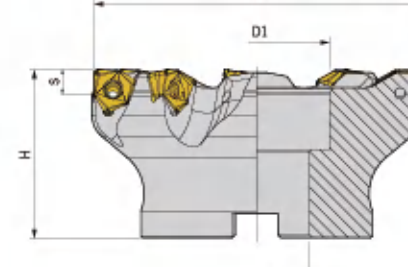
适用 Suitable:德克刀片 DEREK Insert

图示 Fig	型号 Specification	A	S	d1	r	刀片材质 Composition	库存 Stock	适用被加工材料 P M K S H				
	XNMX080608-GM	12.7	6.45	4.55	0.8	SP5330 SP5430	▲ ▲	P钢	M 不锈钢	K 铸铁	S 耐热 合金	H 高硬 度钢

注: ▲ 常备库存 △ 生产计划中 ○ 按订单生产  
Notice: ▲ Excellent (Instock) △ Good (Instock) ○ On Request

# MFWN

Type-MFWN Square Face Milling cutter  
MFWN型 90° 面铣刀



型号 Specification	刃数 Teeth	D	D1	d	H	S	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
MFWN90- 63-22-4T-R	4	63	50	22	40	8	M050J120	Q20B	0.35
80-27-5T-R	5	80	60	27	50	8	M050J120	Q20B	0.88
100-32-7T-R	7	100	70	32	50	8	M050J120	Q20B	1.18
125-40-8T-R	8	125	87	40	63	8	M050J120	Q20B	2.54
160-40-10T-R	10	160	100	40	63	8	M050J120	Q20B	3.74
200-60-12T-R	12	200	142	60	63	8	M050J120	Q20B	6.50
250-60-14T-R	14	250	142	60	63	8	M050J120	Q20B	9.00

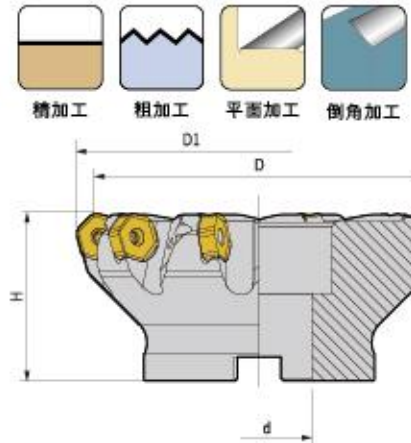
适用 Suitable:德克刀片 DEREK Insert

图示 Fig	型号 Specification	A	S	d1	r	刀片材质 Composition	库存 Stock	适用被加工材料 P M K S			
	WNGU080608N-GM	12.7	6.65	6.2	0.8	EP5125 EP5225	▲ ▲	P钢	M 不锈钢	K 铸铁	S 耐热 合金

注: ▲ 常备库存 △ 生产计划中 ○ 按订单生产  
Notice: ▲ Excellent (Instock) △ Good (Instock) ○ On Request

# HN45

Type- HN45 45°Face Mill  
HN45型 45° 面铣刀



型号 Specification	刃数 Teeth	D	d	H	D1	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
HN45- 50-22-4T-R	4	50	22	40	61.7	M045J120	Q20B	0.35
63-22-6T-R	6	63	22	40	74.7	M045J120	Q20B	0.40
80-27-6T-R	6	80	27	50	91.7	M045J120	Q20B	1.06
80-27-8T-R	8	80	27	50	91.7	M045J120	Q20B	1.06
100-32-6T-R	6	100	32	50	111.7	M045J120	Q20B	1.74
100-32-8T-R	8	100	32	50	111.7	M045J120	Q20B	1.74
125-40-6T-R	6	125	40	63	136.7	M045J120	Q20B	3.24
125-40-8T-R	8	125	40	63	136.7	M045J120	Q20B	3.24
160-40-8T-R	8	160	40	63	171.7	M045J120	Q20B	5.70
160-40-10T-R	10	160	40	63	171.7	M045J120	Q20B	5.70
200-60-12T-R	12	200	60	63	211.7	M045J120	Q20B	9.00
250-60-14T-R	14	250	60	63	261.7	M045J120	Q20B	12.8
315-60-16T-R	16	315	60	80	326.7	M045J120	Q20B	32.2

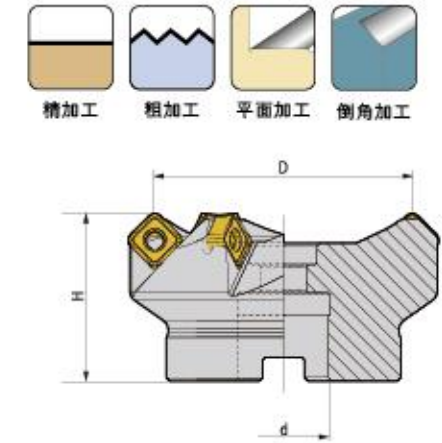
适用 Suitable: 德克刀片 DEREK Insert

图示 Fig	型号 Specification	A	S	d1	刀片材质 Composition	库存 Stock	适用被加工材料 P M K S
	HNGX0907ANSN-R	16.5	6.35	4.9	EP5125 EP5225	▲ ▲	P钢 M不锈钢 K铸铁 P钢 M不锈钢 S耐热合金

注: ▲ 常备库存 △ 生产计划中 ○ 按订单生产  
Notice: ▲ Excellent (Instock) △ Good (Instock) ○ On Request

# SN45

Type- SN45 45°Face Mill  
SN45型 45° 面铣刀



型号 Specification	刃数 Teeth	D	d	H	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
SN45- 50-22-4T-R	4	50	22	40	M040C150	Q15B	0.30
63-22-5T-R	5	63	22	40	M040C150	Q15B	0.50
80-27-6T-R	6	80	27	50	M040C150	Q15B	1.20
80-27-8T-R	8	80	27	50	M040C150	Q15B	1.80
100-32-8T-R	8	100	32	50	M040C150	Q15B	3.00
125-40-10T-R	10	125	40	63	M040C150	Q15B	4.60
160-40-12T-R	12	160	40	63	M040C150	Q15B	6.50
200-60-18T-R	18	200	60	63	M040C150	Q15B	6.50

适用 Suitable: 德克刀片 DEREK Insert

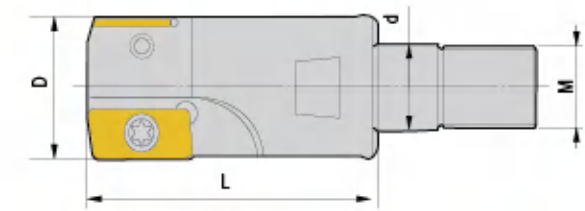
图示 Fig	型号 Specification	A	B	S	d1	刀片材质 Composition	库存 Stock	适用被加工材料 P M K S
	SNMX1206ATN	12.7	1.5	6.4	6	EP5125 EP5225	▲ ▲	P钢 M不锈钢 K铸铁 P钢 M不锈钢 S耐热合金

注: ▲ 常备库存 △ 生产计划中 ○ 按订单生产  
Notice: ▲ Excellent (Instock) △ Good (Instock) ○ On Request



# ASR/EMR

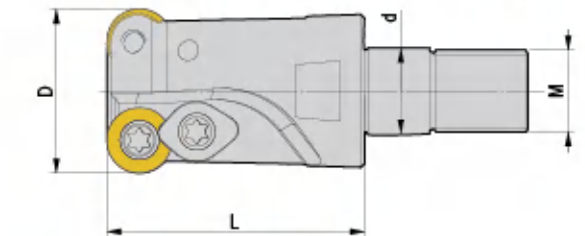
ASR Screw-on Cutter for High-feed Milling  
ASR 锁牙式大进给端铣刀头



型号 Specification	刃数 Teeth	D	d	L	M	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
ASR- 16-M8-2T	2	16	M8	25	M8	EPNW0603TN-8	M025W060	Q08	0.05
17-M8-2T	2	17	M8	25	M8	EPNW0603TN-8	M025W060	Q08	0.05
20-M10-2T	2	20	M10	30	M10	EPNW0603TN-8	M025W060	Q08	0.09
21-M10-2T	2	21	M10	30	M10	EPNW0603TN-8	M025W060	Q08	0.09
25-M12-3T	3	25	M12	35	M12	EPNW0603TN-8	M025W060	Q08	0.14
26-M12-3T	3	26	M12	35	M12	EPNW0603TN-8	M025W060	Q08	0.14

适用 Suitable: 德克刀片、日立刀片 DEREK Or HITACHI Insert

# EMR Screw-on Milling Cutter EMR 锁牙式端铣刀头



型号 Specification	刃数 Teeth	D	d	L	M	刀片型号 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Screw	旗形扳手 Wrench	重量 Weight
EMR- 4R16-M8-2T	2	16	8.5	25	M8	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08	0.05
4R17-M8-2T	2	17	8.5	25	M8	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08	0.05
4R20-M10-2T	2	20	10.5	30	M10	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08	0.09
4R21-M10-2T	2	21	10.5	30	M10	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08	0.09
5R25-M12-2T	2	25	12.5	35	M12	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15	0.14
5R26-M12-2T	2	26	12.5	35	M12	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15	0.14
5R30-M12-2T	2	30	12.5	35	M12	RPMW1003	M040S100-1	YS-43	M040S120	Q15	0.14
5R35-M16-3T	3	35	17	43	M16	RPMW1003	M040S100-1	YS-43	M040S120	Q15	0.25

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert

舍弃式切削刀具  
MILLING CUTTERS

双刃式铣刀头  
Double-flute

锁牙式铣刀头  
Lock-tooth

可转位铣刀杆  
Indexable bar

倒角刀  
Chamfering

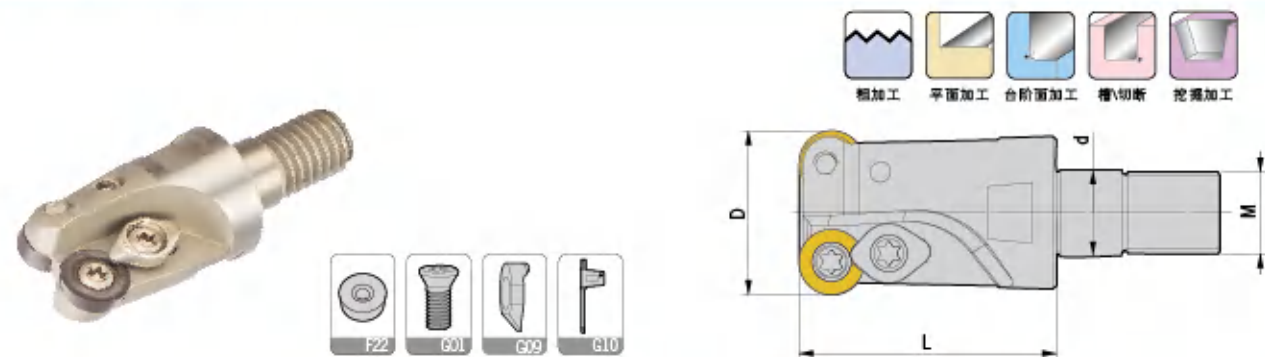
可转位面铣刀  
Indexable face

玉米铣刀  
CORN MILL

槽铣刀  
Slotting

# TRS/RCF

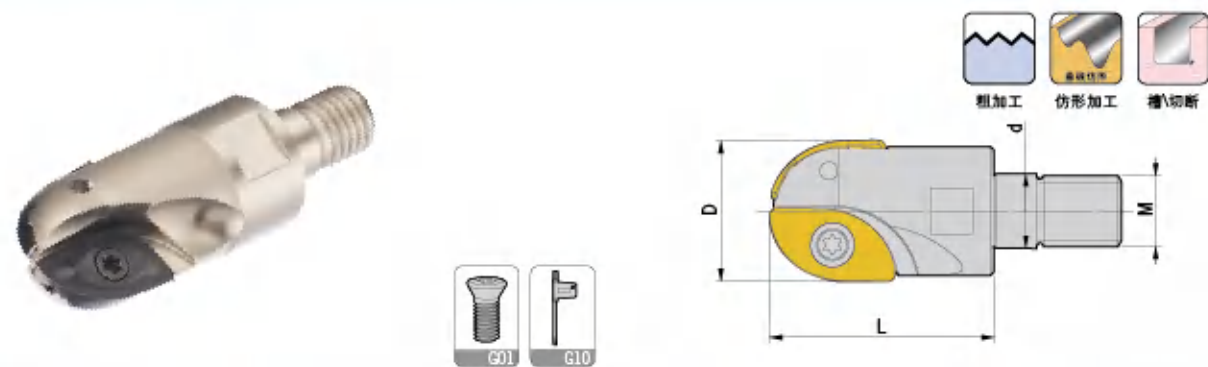
TRS Screw-on Milling Cutter  
TRS 锁牙式端铣刀头



型号 Specification	刃数 Teeth	D	d	L	M	刀片型号 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Screw	旗形扳手 Wrench	重量 Weight
TRS- 4R16-M8-2T	2	16	8.5	25	M8	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08	0.05
4R17-M8-2T	2	17	8.5	25	M8	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08	0.05
4R20-M10-2T	2	20	10.5	30	M10	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08	0.09
4R21-M10-2T	2	21	10.5	30	M10	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08	0.09
5R25-M12-2T	2	25	12.5	35	M12	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15	0.14
5R26-M12-2T	2	26	12.5	35	M12	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15	0.14
5R30-M12-2T	2	30	12.5	35	M12	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15	0.14
5R35-M16-3T	3	35	17	43	M16	RDMT10T3	M040R090	YS-43	M040S100-1	Q15	0.25

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert

## RCF Screw-on Ball-nose Cutter For Roughing RCF 锁牙式球形中粗刀头



型号 Specification	刃数 Teeth	D	d	L	M	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
RCF- 20-10R-M10-2T	2	20	10.5	40	M10	ZCEW100CE ZCEW100SE	M030D075 M030D095	Q08B	0.09
25-12.5R-M12-2T	2	25	12.5	40	M12	ZCEW125CE ZCEW125SE	M040D080-3 M040D110-3	Q15B	0.14

适用 Suitable: 德克刀片、日立刀片 DEREK Or HITACHI Insert

# BF/300R/400R

BF Screw-on Ball-nose Cutter For Finishing  
BF 锁牙式球形精铣刀头



型号 Specification	刃数 Teeth	D	d	L	M	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
BF- 6R-M6-1T	1	12	6.5	22	M6	P3200-D12	M050W090-6R	Q20	0.03
8R-M8-1T	1	16	8.5	28	M8	P3202-D16	M050W130-8R	Q20	0.05
10R-M10-1T	1	20	10.5	30	M10	P3201-D20	M050W170-10R	Q20	0.09
12.5R-M12-1T	1	25	12.5	40	M12	P3202-D25	M060W210-12.5R	T30M	0.14

适用 Suitable: 德克刀片、瓦尔特刀片 DEREK Or WALTER Insert

## 300R/400R Screw-on Milling Cutter 300R/400R 锁牙式清角端铣刀头

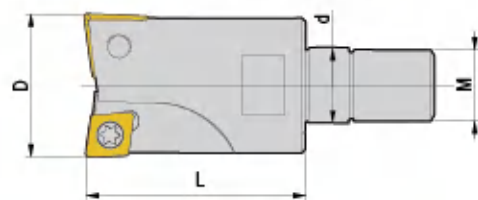


型号 Specification	刃数 Teeth	D	d	L	M	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
300R- 16-M8-2T	2	16	8.5	25	M8	APMT1135	M025W060	Q08	0.05
17-M8-2T	2	17	8.5	25	M8	APMT1135	M025W060	Q08	0.05
20-M10-2T	2	20	10.5	30	M10	APMT1135	M025W060	Q08	0.09
21-M10-2T	2	21	10.5	30	M10	APMT1135	M025W060	Q08	0.09
25-M12-3T	3	25	12.5	35	M12	APMT1135	M025W060	Q08	0.14
26-M12-3T	3	26	12.5	35	M12	APMT1135	M025W060	Q08	0.14
400R- 25-M12-2T	2	25	12.5	35	M12	APMT1604	M040S080-1	Q15	0.14
26-M12-2T	2	26	12.5	35	M12	APMT1604	M040S080-1	Q15	0.14
30-M12-2T	2	30	12.5	35	M12	APMT1604	M040S100-1	Q15	0.16
35-M16-3T	3	35	17	43	M16	APMT1604	M040S100-1	Q15	0.24

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert

# AJU/R390

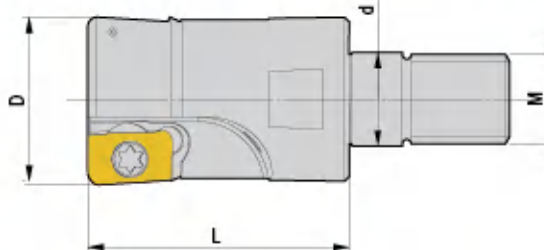
AJU Screw-on Cutter For Drilling Milling  
AJU 锁牙式过中心钻铣刀头



型号 Specification	刃数 Teeth	D	d	L	M	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
AJU- 16-M8-2T	2	16	8.5	28	M8	CCMT060204 CPMT080204Z	M025W060	Q08B	0.05
20-M10-2T	2	20	10.5	32	M10	CCMT060204 CPMT090204Z	M025W060 M035R080-1	Q08B Q15B	0.09
25-M12-2T	2	25	12.5	38	M12	CPMT090308 CPMT120308Z	M040R080-2	Q15B	0.14
32-M16-2T	2	32	17	42	M16	CPMT120408 CPMT160408Z	M050Y110-4	Q20B	0.23

适用 Suitable: 德克刀片、日立刀片 DEREK Or HITACHI Insert

## R390 Screw-on Milling Cutter R390 锁牙式端铣刀头



型号 Specification	刃数 Teeth	D	d	L	M	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
R390- 16-M8-2T	2	16	8.5	28	M8	R390-11T308	M025W050	Q08	0.05
17-M8-2T	2	17	8.5	28	M8	R390-11T308	M025W050	Q08	0.05
20-M10-2T	2	20	10.5	30	M10	R390-11T308	M025W050	Q08	0.09
21-M10-2T	2	21	10.5	30	M10	R390-11T308	M025W050	Q08	0.09
25-M12-3T	3	25	12.5	35	M12	R390-11T308	M025W050	Q08	0.14
26-M12-3T	3	26	12.5	35	M12	R390-11T308	M025W050	Q08	0.14

适用 Suitable: 德克刀片、山特维克刀片 DEREK Or SANDVIK Insert

# DS

DS Solid Carbide Holder  
DS 抗振铣刀头接杆



型号 Specification	d	L	M	d1	重量 Weight
DS- C12-M6-100	12	100	M6	6.5	0.14
C12-M6-150	12	150	M6	6.5	0.21
C12-M6-200	12	200	M6	6.5	0.29
C15-M8-100	15	100	M8	8.5	0.23
C15-M8-150	15	150	M8	8.5	0.35
C15-M8-200	15	200	M8	8.5	0.46
C15.6-M8-150	15.6	150	M8	8.5	0.38
C15.6-M8-200	15.6	200	M8	8.5	0.51
C15.6-M8-250	15.6	250	M8	8.5	0.60
C16-M8-100	16	100	M8	8.5	0.26
C16-M8-150	16	150	M8	8.5	0.39
C16-M8-200	16	200	M8	8.5	0.51
C16-M8-250	16	250	M8	8.5	0.65
C16-M8-300	16	300	M8	8.5	0.79
C19-M10-150	19	150	M10	10.5	0.54
C19-M10-200	19	200	M10	10.5	0.72
C19-M10-250	19	250	M10	10.5	0.91
C20-M10-100	20	100	M10	10.5	0.42
C20-M10-150	20	150	M10	10.5	0.60
C20-M10-200	20	200	M10	10.5	0.82
C20-M10-250	20	250	M10	10.5	1.00
C20-M10-300	20	300	M10	10.5	1.22
C24-M12-150	24	150	M12	12.5	0.81
C24-M12-200	24	200	M12	12.5	1.08
C24-M12-250	24	250	M12	12.5	1.35
C24-M12-300	24	300	M12	12.5	1.62
C25-M12-150	25	150	M12	12.5	0.94
C25-M12-200	25	200	M12	12.5	1.25
C25-M12-250	25	250	M12	12.5	1.55
C25-M12-300	25	300	M12	12.5	1.83
C32-M16-150	32	150	M16	17	1.43
C32-M16-200	32	200	M16	17	1.90
C32-M16-250	32	250	M16	17	2.38
C32-M16-300	32	300	M16	17	2.81
C32-M16-350	32	350	M16	17	3.28
C32-M16-400	32	400	M16	17	3.75

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See next page

### 加工条件/Cutting Condition

■使用工具: 钢制刀杆R390-C20-20-160  
超硬硬杆DS20-19-150-M10+R390-DS20-20-2T

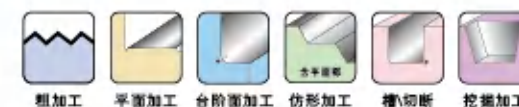
■被加工材质: 55#  
■硬度: 201HB

■Cutter: R390-C20-20-160 ..... A  
DS20-19-150-M10+R390-DS20-20-2T ..... B

■Work piece: 55#  
■Hardness: 201HB

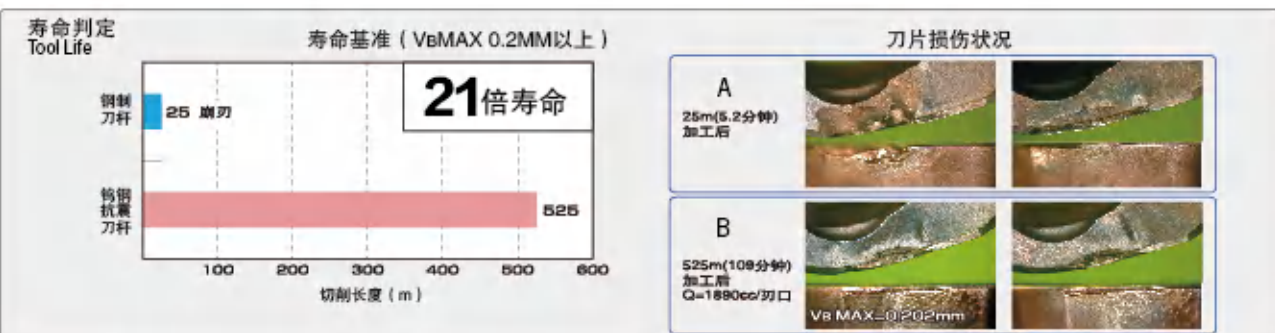
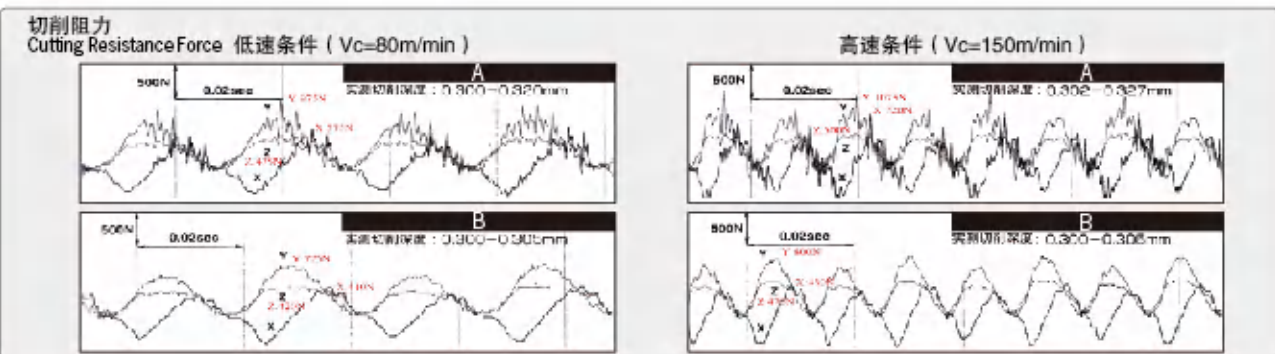
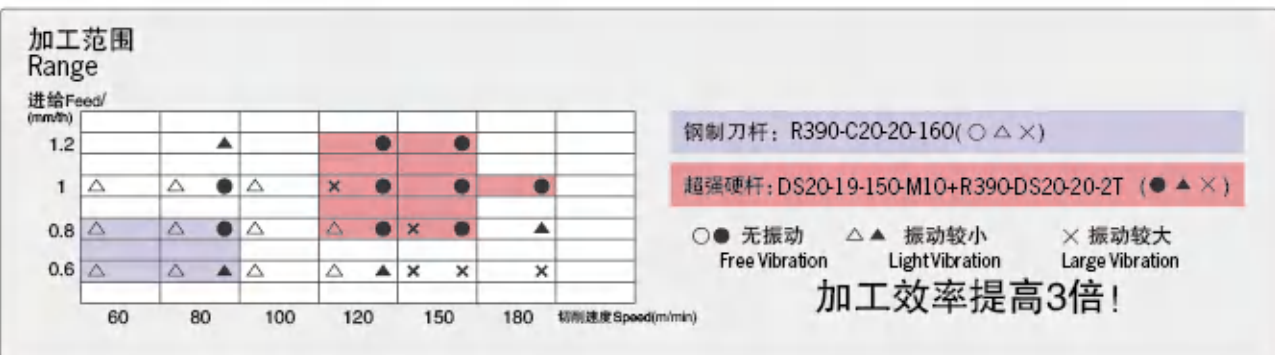
	低速条件	高速条件
切削速度	Vc=80m/min	Vc=150m/min
主轴转速	N=1,270min <sup>-1</sup>	N=2,390min <sup>-1</sup>
进给速度	F=2,000mm/min	F=4,800mm/min
每转进给	f=1.6mm/rev	f=2.0mm/rev

切深: Ap=0.3mm  
切宽: Ae=12mm  
冷却方式: 切削液  
使用机床: 立式加工中心  
悬长: L=190mm  
顺铣



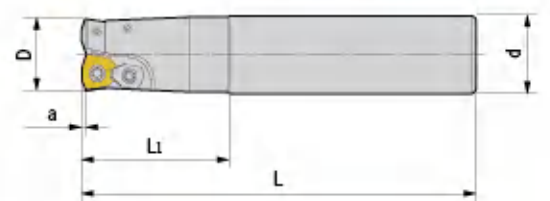
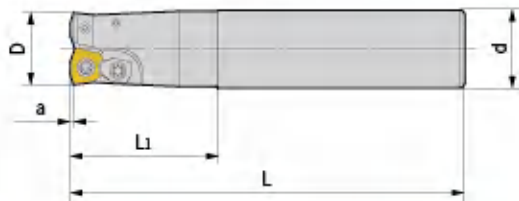
型号 Specification	刃数 Teeth	D	d	a	L1	L	刀片 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Clamp Screw	旗形扳手 Wrench	重量 Weight
AJX- C20-20-130-2T	2	20	20	1.5	50	130	JOMT080320	M030Y070-2	-	-	Q10R	0.29
C20-20-180-2T	2	20	20	1.5	100	180	JOMT080320	M030Y070-2	-	-	Q10R	0.40
C20-20-250-2T	2	20	20	1.5	130	250	JOMT080320	M030Y070-2	-	-	Q10R	0.60
C20-22-130-2T	2	22	20	1.5	30	130	JOMT080320	M030Y070-2	-	-	Q10R	0.30
C20-22-180-2T	2	22	20	1.5	30	180	JOMT080320	M030Y070-2	-	-	Q10R	0.40
C20-22-250-2T	2	22	20	1.5	30	250	JOMT080320	M030Y070-2	-	-	Q10R	0.60
C25-25-140-2T	2	25	25	2	60	140	JDMW09T320	M035T085	YD-13	M040S100-1	Q15B	0.47
C25-25-200-2T	2	25	25	2	120	200	JDMW09T320	M035T085	YD-13	M040S100-1	Q15B	0.69
C25-25-250-2T	2	25	25	2	130	250	JDMW09T320	M035T085	YD-13	M040S100-1	Q15B	0.91
C25-28-140-2T	2	28	25	2	40	140	JDMW09T320	M035T085	YD-13	M040S100-1	Q15B	0.49
C25-28-200-2T	2	28	25	2	40	200	JDMW09T320	M035T085	YD-13	M040S100-1	Q15B	0.72
C25-28-250-2T	2	28	25	2	40	250	JDMW09T320	M035T085	YD-13	M040S100-1	Q15B	0.95
C32-30-160-2T	2	30	32	2	70	160	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	0.90
C32-30-200-2T	2	30	32	2	120	200	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.13
C32-30-250-2T	2	30	32	2	130	300	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.45
C32-32-160-2T	2	32	32	2	70	160	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	0.90
C32-32-200-2T	2	32	32	2	120	200	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.13
C32-32-250-2T	2	32	32	2	130	250	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.45
C32-35-160-2T	2	35	32	2	70	160	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	0.92
C32-35-200-2T	2	35	32	2	70	200	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.17
C32-35-250-2T	2	35	32	2	70	250	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.48
C32-40-200-3T	3	40	32	2	70	200	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.20
C32-40-250-3T	3	40	32	2	70	250	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.50
C32-40-300-3T	3	40	32	2	70	300	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.80

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert



实验结果 刀具寿命大幅提高 低速切削高速切削均无震动

Result: Compared to standard milling cutter, screwed-on milling cutter with solid carbide holder enjoys a much longer tool life and lighter vibration.

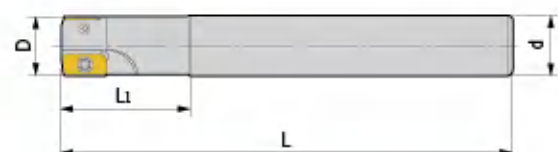


型号 Specification	刃数 Teeth	D	d	a	Li	L	刀片型号 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Clamp Screw	旗形扳手 Wrench	重量 Weight
EXP- C20-20-130-2T	2	20	20	1.5	50	130	WPMW05H315	M035R080-1	-	-	Q15B	0.29
C20-20-180-2T	2	20	20	1.5	100	180	WPMW05H315	M035R080-1	-	-	Q15B	0.40
C25-25-140-2T	2	25	25	1.5	60	140	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.48
C25-25-200-2T	2	25	25	1.5	120	200	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.70
C25-25-250-2T	2	25	25	1.5	130	250	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.82
C25-26-140-2T	2	26	25	1.5	60	140	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.48
C25-26-200-2T	2	26	25	1.5	60	200	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.70
C25-26-250-2T	2	26	25	1.5	60	250	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.82
C32-32-160-2T	2	32	32	1.5	70	160	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.87
C32-32-160-3T	3	32	32	1.5	70	160	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.87
C32-32-200-2T	2	32	32	1.5	120	200	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.17
C32-32-200-3T	3	32	32	1.5	120	200	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.17
C32-32-250-2T	2	32	32	1.5	130	250	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.47
C32-32-250-3T	3	32	32	1.5	130	250	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.47
C32-33-160-2T	2	33	32	1.5	70	160	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.94
C32-33-160-3T	3	33	32	1.5	70	160	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.94
C32-33-200-2T	2	33	32	1.5	70	200	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.19
C32-33-200-3T	3	33	32	1.5	70	200	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.19
C32-33-250-2T	2	33	32	1.5	70	250	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.49
C32-33-250-3T	3	33	32	1.5	70	250	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.49
C32-40-200-3T	3	40	32	1.5	50	200	WPMW06X415	M040S100-1	YD-13	M040S100-1	Q15B	1.24
C32-40-250-3T	3	40	32	1.5	50	250	WPMW06X415	M040S100-1	YD-13	M040S100-1	Q15B	1.55
C32-40-300-3T	3	40	32	1.5	50	300	WPMW06X415	M040S100-1	YD-13	M040S100-1	Q15B	1.86
C32-40-200-2T	2	40	32	1.5	50	200	WPMW080615	M050Y120-1	YD-16	M050Y110-2	Q20B	1.23
C32-40-250-2T	2	40	32	1.5	50	250	WPMW080615	M050Y120-1	YD-16	M050Y110-2	Q20B	1.56
C32-40-300-2T	2	40	32	1.5	50	300	WPMW080615	M050Y120-1	YD-16	M050Y110-2	Q20B	1.86

适用 Suitable: 德克刀片、东芝刀片 DEREK Or TUNGALOY Insert

型号 Specification	刃数 Teeth	D	d	a	Li	L	刀片型号 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Clamp Screw	旗形扳手 Wrench	重量 Weight
SKS- C20-20-130-2T	2	20	20	1.25	50	130	WDMW050316	M030Y070-2	-	-	Q10R	0.28
C20-20-180-2T	2	20	20	1.25	100	180	WDMW050316	M030Y070-2	-	-	Q10R	0.39
C20-21-130-2T	2	21	20	1.25	50	130	WDMW050316	M030Y070-2	-	-	Q10R	0.29
C20-21-180-2T	2	21	20	1.25	50	180	WDMW050316	M030Y070-2	-	-	Q10R	0.41
C25-25-140-2T	2	25	25	1.5	60	140	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	0.46
C25-25-200-2T	2	25	25	1.5	70	200	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	0.69
C25-26-140-2T	2	26	25	1.5	60	140	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	0.47
C25-26-200-2T	2	26	25	1.5	60	200	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	0.71
C32-30-160-2T	2	30	32	1.5	70	160	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	0.80
C32-30-200-2T	2	30	32	1.5	70	200	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	1.05
C32-32-160-3T	3	32	32	1.5	70	160	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	0.89
C32-32-200-3T	3	32	32	1.5	70	200	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	1.16
C32-33-160-3T	3	33	32	1.5	70	160	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	0.89
C32-33-200-3T	3	33	32	1.5	70	200	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	1.16
C32-32-160-2T	2	32	32	2	70	160	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	0.89
C32-32-200-2T	2	32	32	2	120	200	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	1.15
C32-33-160-2T	2	33	32	2	50	160	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	0.84
C32-33-200-2T	2	33	32	2	50	200	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	1.15
C32-40-200-3T	3	40	32	2	50	200	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	1.24
C32-40-250-3T	3	40	32	2	50	250	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	1.55
C42-40-200-3T	3	40	42	2	120	200	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	1.80
C42-40-250-3T	3	40	42	2	130	250	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	2.25

适用 Suitable: 德克刀片、黛杰刀片 DEREK Or DIJET Insert

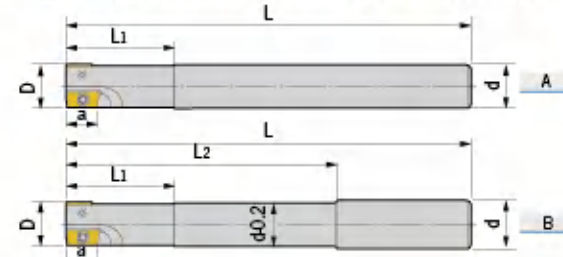


型号 Specification	刃数 Teeth	D	d	L1	L	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
ASR- C16-16-120-2T	2	16	16	40	120	EPNW0603TN-8	M025W060	Q08B	0.17
C16-16-160-2T	2	16	16	50	160	EPNW0603TN-8	M025W060	Q08B	0.23
C16-17-120-2T	2	17	16	27	120	EPNW0603TN-8	M025W060	Q08B	0.17
C16-17-160-2T	2	17	16	27	160	EPNW0603TN-8	M025W060	Q08B	0.23
C20-20-120-2T	2	20	20	50	120	EPNW0603TN-8	M025W060	Q08B	0.27
C20-20-160-2T	2	20	20	50	160	EPNW0603TN-8	M025W060	Q08B	0.36
C20-21-160-2T	2	21	20	27	160	EPNW0603TN-8	M025W060	Q08B	0.37
C25-25-160-3T	3	25	25	60	160	EPNW0603TN-8	M025W060	Q08B	0.59
C25-25-200-3T	3	25	25	70	200	EPNW0603TN-8	M025W060	Q08B	0.72
C25-26-200-3T	3	26	25	50	200	EPNW0603TN-8	M025W060	Q08B	0.73
C32-32-160-4T	4	32	32	70	160	EPNW0603TN-8	M025W060	Q08B	0.88
C32-32-200-4T	4	32	32	115	200	EPNW0603TN-8	M025W060	Q08B	1.17
C32-33-160-4T	4	33	32	60	160	EPNW0603TN-8	M025W060	Q08B	0.94
C32-33-200-4T	4	33	32	70	200	EPNW0603TN-8	M025W060	Q08B	1.19
C32-35-200-4T	4	35	32	50	200	EPNW0603TN-8	M025W060	Q08B	1.21
C32-40-160-4T	4	40	32	50	160	EPNW0603TN-8	M025W060	Q08B	0.93
C32-40-200-4T	4	40	32	50	200	EPNW0603TN-8	M025W060	Q08B	1.25

适用 Suitable: 德克刀片、日立刀片 DEREK Or HITACHI Insert

### 特点/Feature

- 高进给圆弧铣刀。
- 不考虑缺损对刀片寿命的影响，则每刃进给量FZ设置的较大时寿命也较大，断削、排削性能好。
- Excellent for high-feed cutting.
- Increasing per teeth feedrate will improve the tool life of insert without regarding to the defect influence of its tool life. Good design for chip breaking and removing



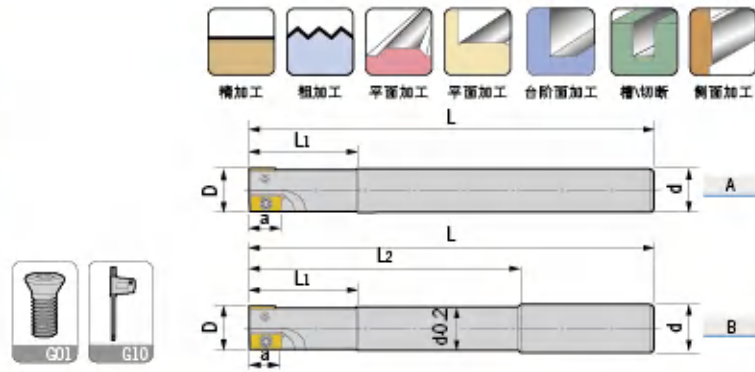
型号 Specification	刃数 Teeth	图示 Fig	D	d	L1	L2	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
AHU- C10-10-100-1T	1	A	10	10	25	-	100	JDMT100308	M025W050	Q08B	0.10
C12-12-130-1T	1	A	12	12	25	-	130	JDMT100308	M025W050	Q08B	0.11
C12-13-130-1T	1	A	13	12	25	-	130	JDMT100308	M025W050	Q08B	0.11
C16-16-120-2T	2	B	16	16	40	100	120	JDMT100308	M025W050	Q08B	0.17
C16-16-160-2T	2	B	16	16	50	115	160	JDMT100308	M025W050	Q08B	0.21
C16-16-180-2T	2	B	16	16	60	90	180	JDMT100308	M025W050	Q08B	0.26
C16-16-200-2T	2	B	16	16	60	100	200	JDMT100308	M025W050	Q08B	0.29
C20-20-120-2T	2	A	20	20	50	-	120	JDMT100308	M025W060	Q08B	0.26
C20-20-160-2T	2	A	20	20	60	-	160	JDMT100308	M025W060	Q08B	0.36
C20-20-200-2T	2	B	20	20	70	100	200	JDMT100308	M025W060	Q08B	0.46
C25-25-160-2T	2	A	25	25	70	-	160	JDMT150508	M040S080-1	Q15B	0.54
C25-25-200-2T	2	B	25	25	70	100	200	JDMT150508	M040S080-1	Q15B	0.68
C25-25-250-2T	2	B	25	25	80	115	250	JDMT150508	M040S080-1	Q15B	0.88
C25-25-300-2T	2	B	25	25	80	165	300	JDMT150508	M040S080-1	Q15B	1.02
C32-32-160-2T	2	A	32	32	48	-	160	JDMT150508	M040S080-1	Q15B	0.96
C32-32-200-2T	2	B	32	32	48	100	200	JDMT150508	M040S080-1	Q15B	1.17
C32-32-250-2T	2	B	32	32	48	115	250	JDMT150508	M040S080-1	Q15B	1.48
C32-32-250-3T	3	B	32	32	48	115	250	JDMT150508	M040S080-1	Q15B	1.48
C32-35-160-2T	2	A	35	32	60	-	160	JDMT150508	M040S080-1	Q15B	0.82
C32-35-200-2T	2	A	35	32	60	-	200	JDMT150508	M040S080-1	Q15B	1.18
C32-35-250-2T	2	A	35	32	60	-	250	JDMT150508	M040S080-1	Q15B	1.48
C32-35-300-2T	2	A	35	32	60	-	300	JDMT150508	M040S080-1	Q15B	1.78
C32-35-350-2T	2	A	35	32	60	-	350	JDMT150508	M040S080-1	Q15B	2.08
C32-35-400-2T	2	A	35	32	60	-	400	JDMT150508	M040S080-1	Q15B	2.38
C32-35-450-2T	2	A	35	32	60	-	450	JDMT150508	M040S080-1	Q15B	2.68
C32-35-500-2T	2	A	35	32	60	-	500	JDMT150508	M040S080-1	Q15B	2.98
C32-35-160-3T	3	A	35	32	60	-	160	JDMT150508	M040S080-1	Q15B	0.93
C32-35-200-3T	3	A	35	32	60	-	200	JDMT150508	M040S080-1	Q15B	1.18
C32-35-250-3T	3	A	35	32	60	-	250	JDMT150508	M040S080-1	Q15B	1.50
C32-35-300-3T	3	A	35	32	60	-	300	JDMT150508	M040S080-1	Q15B	1.81
C32-35-350-3T	3	A	35	32	60	-	350	JDMT150508	M040S080-1	Q15B	2.11
C32-35-400-3T	3	A	35	32	60	-	400	JDMT150508	M040S080-1	Q15B	2.43

适用 Suitable: 日立刀片 HITACHI Insert

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See next page

# AHU

AHU Shoulder Milling Cutter  
AHU 清角台肩铣刀



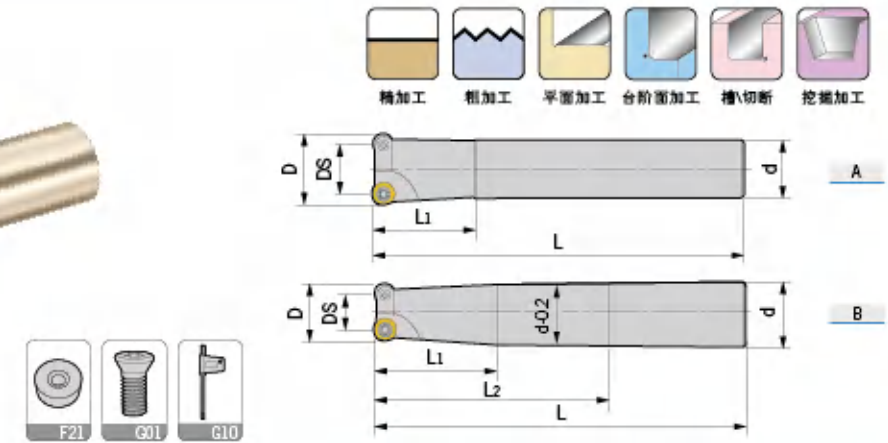
### 特殊型号 Special size

型号 Specification	刃数 Teeth	图示 Fig	D	d	a	L <sub>1</sub>	L <sub>2</sub>	L	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
AHU- C15-16-120-2T	2	A	16	15	9	40	-	120	JDMT100308	M025W050	Q08B	0.15
C15-16-160-2T	2	A	16	15	9	40	-	160	JDMT100308	M025W050	Q08B	0.20
C15-16-180-2T	2	A	16	15	9	40	-	180	JDMT100308	M025W050	Q08B	0.23
C15-16-200-2T	2	A	16	15	9	40	-	200	JDMT100308	M025W050	Q08B	0.26
C16-17-120-2T	2	A	17	16	9	50	-	120	JDMT100308	M025W050	Q08B	0.17
C16-17-160-2T	2	A	17	16	9	50	-	160	JDMT100308	M025W050	Q08B	0.23
C16-17-180-2T	2	A	17	16	9	50	-	180	JDMT100308	M025W050	Q08B	0.27
C16-17-200-2T	2	A	17	16	9	50	-	200	JDMT100308	M025W050	Q08B	0.30
C19-20-160-2T	2	A	20	19	9	50	-	160	JDMT100308	M025W060	Q08B	0.31
C19-20-200-2T	2	A	20	19	9	50	-	200	JDMT100308	M025W060	Q08B	0.42
C20-21-160-2T	2	A	21	20	9	50	-	160	JDMT100308	M025W060	Q08B	0.37
C20-21-200-2T	2	A	21	20	9	50	-	200	JDMT100308	M025W060	Q08B	0.47
C24-25-160-2T	2	A	25	24	14	50	-	160	JDMT150508	M040S080-1	Q15B	0.48
C24-25-200-2T	2	A	25	24	14	50	-	200	JDMT150508	M040S080-1	Q15B	0.66
C24-25-250-2T	2	A	25	24	14	50	-	250	JDMT150508	M040S080-1	Q15B	0.88
C25-26-160-2T	2	A	26	25	14	50	-	160	JDMT150508	M040S080-1	Q15B	0.56
C25-26-200-2T	2	A	26	25	14	50	-	200	JDMT150508	M040S080-1	Q15B	0.71
C25-26-250-2T	2	A	26	25	14	50	-	250	JDMT150508	M040S080-1	Q15B	0.90

适用 Suitable: 日立刀片 HITACHI Insert

# JRC

JRC Indexable End Mill  
JRC 舍弃式端铣刀



型号 Specification	刃数 Teeth	图示 Fig	D	DS	d	L <sub>1</sub>	L <sub>2</sub>	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
JRC- C20-5R20-160-2T	2	A	20	10	20	40	-	160	RC*T10T3	M035T085	Q15B	0.35
C20-5R25-160-2T	2	A	25	15	20	40	-	160	RC*T10T3	M035T085	Q15B	0.40
C20-5R25-200-2T	2	A	25	15	20	40	-	200	RC*T10T3	M035T085	Q15B	0.50
C25-5R25-160-2T	2	A	25	15	25	60	-	160	RC*T10T3	M035T085	Q15B	0.55
C25-5R25-200-2T	2	B	25	15	25	70	100	200	RC*T10T3	M035T085	Q15B	0.75
C25-5R25-250-2T	2	B	25	15	25	60	115	250	RC*T10T3	M035T085	Q15B	0.95
C25-6R32-160-2T	2	A	32	20	25	50	-	160	RC*T1204	M035T085	Q15B	0.60
C25-6R32-200-2T	2	A	32	20	25	50	-	200	RC*T1204	M035T085	Q15B	0.80
C25-6R32-250-2T	2	A	32	20	25	50	-	250	RC*T1204	M035T085	Q15B	1.00

适用 Suitable: 德克刀片、山特维克刀片 DEREK Or SANDVIK Insert

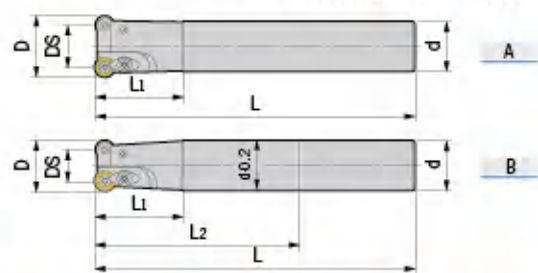
### 特殊型号 Special size

型号 Specification	刃数 Teeth	图示 Fig	D	DS	d	L <sub>1</sub>	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
JRC- C24-5R25-160-2T	2	A	25	15	24	60	160	RC*T10T3	M035T085	Q15B	0.55
C24-5R25-200-2T	2	A	25	15	24	70	200	RC*T10T3	M035T085	Q15B	0.70
C24-5R25-250-2T	2	A	25	15	24	80	250	RC*T10T3	M035T085	Q15B	0.90
C25-5R26-160-2T	2	A	26	16	25	60	160	RC*T10T3	M035T085	Q15B	0.55
C25-5R26-200-2T	2	A	26	16	25	70	200	RC*T10T3	M035T085	Q15B	0.75
C25-5R26-250-2T	2	A	26	16	25	80	250	RC*T10T3	M035T085	Q15B	1.00

适用 Suitable: 德克刀片、山特维克刀片 DEREK Or SANDVIK Insert

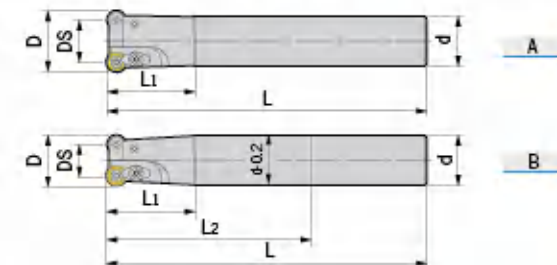
### 特点 / Feature

- 适配山特维克精磨刀片，精度更高，精加工效果更佳。
- 刀体整体预热后，再进精磨。避免二次热处理使刀体产生变形，从而确保了精确的公差范围和超强的刚性。
- Suitable for Sandvik insert, high efficiency on finish machining.
- Tool body is machined after heat treatment, which promises a precise tolerance and high rigidity.



型号 Specification	刃数 Teeth	图示 Fig	D	DS	d	Li	L2	L	刀片 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Clamp Screw	旗形扳手 Wrench	重量 Weight
EMR-C12-4R12-130-1T	1	A	12	4	12	30	-	130	RPMW0802	M030Y060	-	-	Q08B	0.11
C16-4R16-160-2T	2	A	16	8	16	40	-	160	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.23
C16-4R16-200-2T	2	B	16	8	16	40	100	200	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.23
C20-4R20-160-2T	2	A	20	12	20	60	-	160	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.36
C20-4R20-200-2T	2	B	20	12	20	70	100	200	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.44
C20-5R20-160-2T	2	A	20	10	20	60	-	160	RPMW1003	M040S080-1	YS-39	M035T085	Q15B	0.35
C20-5R20-200-2T	2	B	20	10	20	70	100	200	RPMW1003	M040S080-1	YS-39	M035T085	Q15B	0.45
C20-5R25-160-2T	2	A	25	15	20	40	-	160	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.36
C20-5R25-200-2T	2	A	25	15	20	40	-	200	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.56
C25-5R25-160-2T	2	A	25	15	25	60	-	160	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.54
C25-5R25-180-2T	2	B	25	15	25	60	90	180	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.62
C25-5R25-200-2T	2	B	25	15	25	70	100	200	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.70
C25-5R25-250-2T	2	B	25	15	25	80	115	250	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.86
C3/4-5R30-110-2T	2	A	30	20	3/4	30	-	110	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.28
C20-5R30-110-2T	2	A	30	20	20	30	-	110	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.27
C25-5R30-160-2T	2	A	30	20	25	35	-	160	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.57
C25-5R30-200-2T	2	A	30	20	25	35	-	200	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.75
C25-5R30-250-2T	2	A	30	20	25	35	-	250	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.92
C25-5R30-300-2T	2	A	30	20	25	35	-	300	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	1.11
C32-5R35-160-2T	2	A	35	25	32	48	-	160	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.95
C32-5R35-200-2T	2	A	35	25	32	48	-	200	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	1.20
C32-5R35-250-2T	2	A	35	25	32	48	-	250	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	1.50
C32-5R35-300-2T	2	A	35	25	32	48	-	300	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	1.80
C32-5R35-350-2T	2	A	35	25	32	48	-	350	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	2.13
C32-5R35-160-3T	3	A	35	25	32	48	-	160	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.91
C32-5R35-200-3T	3	A	35	25	32	48	-	200	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	1.17
C32-5R35-250-3T	3	A	35	25	32	48	-	250	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	1.49
C32-5R35-300-3T	3	A	35	25	32	48	-	300	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	1.79
C32-5R35-350-3T	3	A	35	25	32	48	-	350	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	2.11
C32-6R32-160-2T	2	A	32	20	32	48	-	160	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	0.89
C32-6R32-200-2T	2	A	32	20	32	48	-	200	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.16
C32-6R32-250-2T	2	A	32	20	32	48	-	250	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.46
C32-6R40-160-3T	3	A	40	28	32	48	-	160	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	0.93
C32-6R40-200-3T	3	A	40	28	32	48	-	200	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.20
C32-6R40-250-3T	3	A	40	28	32	48	-	250	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.51
C32-6R40-300-3T	3	A	40	28	32	48	-	300	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.81
C32-6R50-160-4T	4	A	50	38	32	48	-	160	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.03
C32-6R50-200-4T	4	A	50	38	32	48	-	200	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.29
C32-6R50-250-4T	4	A	50	38	32	48	-	250	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.59

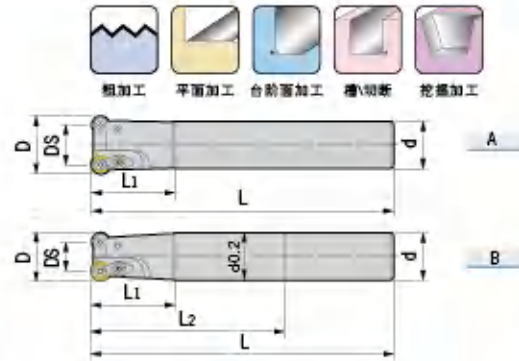
适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert



特殊型号 Special specification

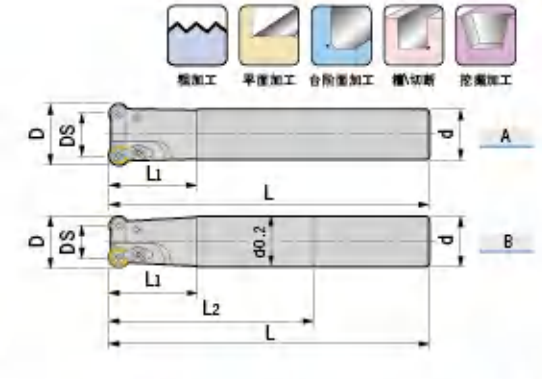
型号 Specification	刃数 Teeth	图示 Fig	D	DS	d	Li	L	刀片 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Clamp Screw	旗形扳手 Wrench	重量 Weight
EMR-C15-4R16-160-2T	2	A	16	8	15	40	160	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.20
C15-4R16-200-2T	2	A	16	8	15	40	200	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.25
C16-4R17-160-2T	2	A	17	9	16	40	160	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.23
C16-4R17-200-2T	2	A	17	9	16	40	200	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.29
C19-4R20-160-2T	2	A	20	12	19	60	160	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.32
C19-4R20-200-2T	2	A	20	12	19	70	200	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.41
C20-4R21-160-2T	2	A	21	13	20	60	160	RPMW0802	M040S080-1	YS-39	M035T085	Q15B	0.36
C20-4R21-200-2T	2	A	21	13	20	70	200	RPMW0802	M040S080-1	YS-39	M035T085	Q15B	0.45
C20-5R21-160-2T	2	A	21	11	20	60	160	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.38
C20-5R21-200-2T	2	A	21	11	20	70	200	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.47
C24-5R25-160-2T	2	A	25	15	24	60	160	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.51
C24-5R25-200-2T	2	A	25	15	24	70	200	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.65
C24-5R25-250-2T	2	A	25	15	24	80	250	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.83
C25-5R26-160-2T	2	A	26	16	25	60	160	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.55
C25-5R26-200-2T	2	A	26	16	25	70	200	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.70
C25-5R26-250-2T	2	A	26	16	25	80	250	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.89

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert



型号 Specification	刃数 Teeth	图示 Fig	D	DS	d	L1	L2	L	刀片 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Clamp Screw	旗形扳手 Wrench	重量 Weight
EMRT- C12-4R12-130-1T	1	A	12	4	12	30	-	130	RPMT08T2	M030Y060	-	-	Q08B	0.10
C16-4R16-160-2T	2	A	16	8	16	40	-	160	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.23
C16-4R16-200-2T	2	B	16	8	16	40	100	200	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.29
C20-4R20-160-2T	2	A	20	12	20	60	-	160	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.32
C20-4R20-200-2T	2	B	20	12	20	70	100	200	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.45
C20-5R20-160-2T	2	A	20	10	20	60	-	160	RPMT10T3	M040S080-1	YS-39	M035T085	Q15B	0.34
C20-5R20-200-2T	2	B	20	10	20	70	100	200	RPMT10T3	M040S080-1	YS-39	M035T085	Q15B	0.44
C20-5R25-160-2T	2	A	25	15	20	40	-	160	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.36
C20-5R25-200-2T	2	A	25	15	20	40	-	200	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.47
C25-5R25-160-2T	2	A	25	15	25	60	-	160	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.54
C25-5R25-200-2T	2	B	25	15	25	70	100	200	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.70
C25-5R25-250-2T	2	B	25	15	25	80	115	250	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.88
C20-5R30-110-2T	2	A	30	20	20	30	-	110	RPMT10T3	M040S100-1	YS-43	M040S100-1	Q15B	0.32
C25-5R30-160-2T	2	A	30	20	25	35	-	160	RPMT10T3	M040S100-1	YS-43	M040S100-1	Q15B	0.57
C25-5R30-200-2T	2	A	30	20	25	35	-	200	RPMT10T3	M040S100-1	YS-43	M040S100-1	Q15B	0.73
C25-5R30-250-2T	2	A	30	20	25	35	-	250	RPMT10T3	M040S100-1	YS-43	M040S100-1	Q15B	0.91
C32-5R35-160-2T	2	A	35	25	32	48	-	160	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	0.94
C32-5R35-200-2T	2	A	35	25	32	48	-	200	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	1.18
C32-5R35-250-2T	2	A	35	25	32	48	-	250	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	1.50
C32-5R35-300-2T	2	A	35	25	32	48	-	300	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	1.81
C32-5R35-350-2T	2	A	35	25	32	48	-	350	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	2.11
C32-5R35-160-3T	3	A	35	25	32	48	-	160	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	0.92
C32-5R35-200-3T	3	A	35	25	32	48	-	200	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	1.17
C32-5R35-250-3T	3	A	35	25	32	48	-	250	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	1.48
C32-5R35-300-3T	3	A	35	25	32	48	-	300	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	1.79
C32-5R35-350-3T	3	A	35	25	32	48	-	350	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	2.12
EMRT- C15-4R16-160-2T	2	A	16	8	15	40	-	160	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.20
C15-4R16-200-2T	2	A	16	8	15	40	100	200	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.26
C16-4R17-160-2T	2	A	17	9	16	40	-	160	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.21
C16-4R17-200-2T	2	A	17	9	16	40	100	200	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.29
C19-4R20-160-2T	2	A	20	12	19	60	-	160	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.30
C19-4R20-200-2T	2	A	20	12	19	70	100	200	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.41
C20-4R21-160-2T	2	A	21	13	20	60	-	160	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.33
C20-4R21-200-2T	2	A	21	13	20	70	100	200	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.46
C24-5R25-160-2T	2	A	25	15	24	60	-	160	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.51
C24-5R25-200-2T	2	A	25	15	24	70	100	200	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.65
C24-5R25-250-2T	2	A	25	15	24	80	115	250	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.82

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert

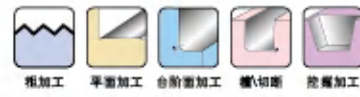
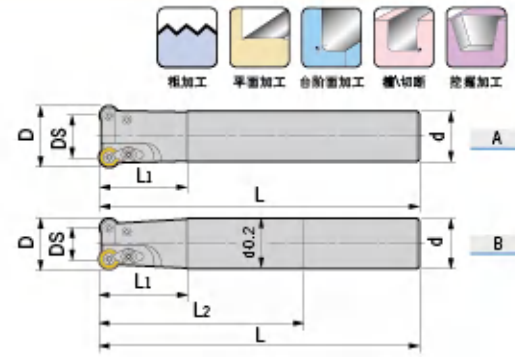


型号 Specification	刃数 Teeth	图示 Fig	D	DS	d	L1	L2	L	刀片 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Clamp Screw	旗形扳手 Wrench	重量 Weight
TRS- C12-4R12-130-1T	1	A	12	4	12	35	-	130	RDMT0802	M030Y060	-	-	Q08B	0.23
C16-4R16-160-2T	2	A	16	8	16	50	-	160	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.35
C16-4R16-200-2T	2	B	16	8	16	50	100	200	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.35
C20-4R20-160-2T	2	A	20	12	20	60	-	160	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.35
C20-4R20-200-2T	2	B	20	12	20	70	100	200	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.35
C20-5R20-160-2T	2	A	20	10	20	60	-	160	RDMT10T3	M040R080-2	YS-39	M035T085	Q15B	0.26
C20-5R20-200-2T	2	B	20	10	20	70	100	200	RDMT10T3	M040R080-2	YS-39	M035T085	Q15B	0.26
C20-5R25-160-2T	2	A	25	15	20	40	-	160	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.54
C20-5R25-200-2T	2	A	25	15	20	40	-	200	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.87
C25-5R25-160-2T	2	A	25	15	25	60	-	160	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.72
C25-5R25-200-2T	2	B	25	15	25	70	100	200	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.91
C25-5R25-250-2T	2	B	25	15	25	80	150	250	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.91
C25-5R30-160-2T	2	A	30	20	25	40	-	160	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.91
C25-5R30-200-2T	2	A	30	20	25	40	-	200	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.91
C25-5R30-250-2T	2	A	30	20	25	40	-	250	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.91
C32-5R35-160-3T	3	A	35	25	32	48	-	160	RDMT10T3	M040R090	YS-43	M040S120	Q15B	1.48
C32-5R35-200-3T	3	A	35	25	32	48	-	200	RDMT10T3	M040R090	YS-43	M040S120	Q15B	1.48
C32-5R35-250-3T	3	A	35	25	32	48	-	250	RDMT10T3	M040R090	YS-43	M040S120	Q15B	2.10
C32-5R35-300-3T	3	A	35	25	32	48	-	300	RDMT10T3	M040R090	YS-43	M040S120	Q15B	2.10
C32-5R35-350-3T	3	A	35	25	32	48	-	350	RDMT10T3	M040R090	YS-43	M040S120	Q15B	2.10
C25-6R32-160-2T	2	A	32	20	25	48	-	160	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.19
C25-6R32-200-2T	2	A	32	20	25	48	-	200	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.19
C25-6R32-250-2T	2	A	32	20	25	48	-	250	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.96
C32-6R32-160-2T	2	A	32	20	32	48	-	160	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.55
C32-6R32-200-2T	2	A	32	20	32	48	-	200	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.55
C32-6R32-250-2T	2	A	32	20	32	48	-	250	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.55
C32-6R32-300-2T	2	A	32	20	32	48	-	300	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.88
C32-6R40-160-3T	3	A	40	28	32	48	-	160	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.49
C32-6R40-200-3T	3	A	40	28	32	48	-	200	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.49
C32-6R40-250-3T	3	A	40	28	32	48	-	250	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.49

适用 Suitable: 德克刀片、日立刀片 DEREK Or HITACHI Insert

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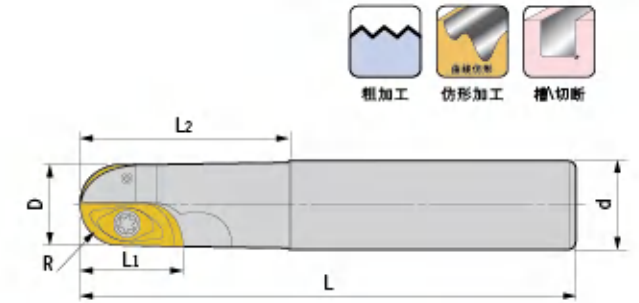




### 特殊型号 Special specification

型号 Specification	刃数 Teeth	图示 Fig	D	DS	d	L1	L	刀片 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Clamp Screw	旗形扳手 Wrench	重量 Weight
TRS- C15-4R16-160-2T	2	A	16	8	15	50	160	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.20
C15-4R16-200-2T	2	A	16	8	15	50	200	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.26
C16-4R17-160-2T	2	A	17	9	16	50	160	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.23
C16-4R17-200-2T	2	A	17	9	16	50	200	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.30
C19-4R20-160-2T	2	A	20	12	19	60	160	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.30
C19-4R20-200-2T	2	A	20	12	19	70	200	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.41
C20-4R21-160-2T	2	A	21	13	20	60	160	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.35
C20-4R21-200-2T	2	A	21	13	20	70	200	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.45
C24-5R25-160-2T	2	A	25	15	24	60	160	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.50
C24-5R25-200-2T	2	A	25	15	24	70	200	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.64
C24-5R25-250-2T	2	A	25	15	24	80	250	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.82
C25-5R26-160-2T	2	A	26	16	25	60	160	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.54
C25-5R26-200-2T	2	A	26	16	25	70	200	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.70
C25-5R26-250-2T	2	A	26	16	25	80	250	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.89

适用 Suitable: 德克刀片、日立刀片 DEREK Or HITACHI Insert

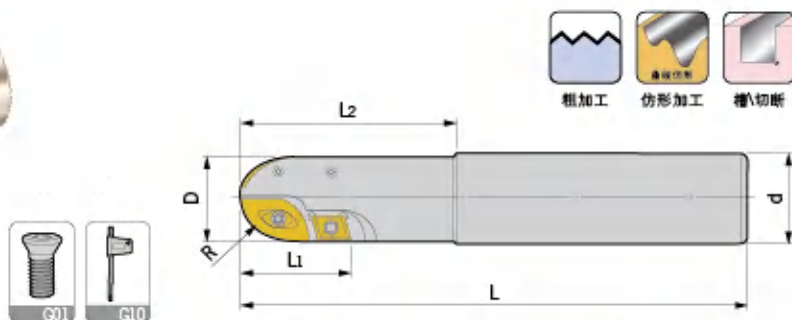


型号 Specification	刃数 Teeth	R	D	d	L1	L2	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
RCF- C20-10R-160-2T	2	10	20	20	18	60	160	ZCEW100CE ZCEW100SE	M030D075 M030D095	Q08B	0.30
C20-10R-200-2T	2	10	20	20	18	70	200			Q08B	0.45
C25-10R-160-2T	2	10	20	25	18	60	160			Q08B	0.55
C25-10R-200-2T	2	10	20	25	18	70	200			Q08B	0.65
C25-10R-250-2T	2	10	20	25	18	80	250			Q08B	0.75
C32-10R-250-2T	2	10	20	32	18	90	250			Q08B	1.10
C32-10R-300-2T	2	10	20	32	18	110	300			Q08B	1.30
C25-12.5R-160-2T	2	12.5	25	25	23	60	160	ZCEW125CE ZCEW125SE	M040D080-3 M040D110	Q15B	0.55
C25-12.5R-200-2T	2	12.5	25	25	18	70	200			Q15B	0.70
C32-12.5R-200-2T	2	12.5	25	32	23	80	200			Q15B	0.90
C32-12.5R-250-2T	2	12.5	25	32	23	90	250			Q15B	1.20
C32-12.5R-300-2T	2	12.5	25	32	23	110	300			Q15B	1.45
C32-15R-160-2T	2	15	30	32	28	60	160	ZCEW150CE ZCEW150SE	M050Y120-3	Q20B	0.80
C32-15R-200-2T	2	15	30	32	28	70	200			Q20B	1.10
C32-15R-250-2T	2	15	30	32	28	80	250			Q20B	1.40
C32-15R-300-2T	2	15	30	32	28	110	300			Q20B	1.70
C32-15R-350-2T	2	15	30	32	28	110	350			Q20B	2.00

适用 Suitable: 日立刀片 HITACHI Insert

# RCFL

RCFL Ball-nose Indexable Cutter For Roughing  
RCFL 球形中粗刀

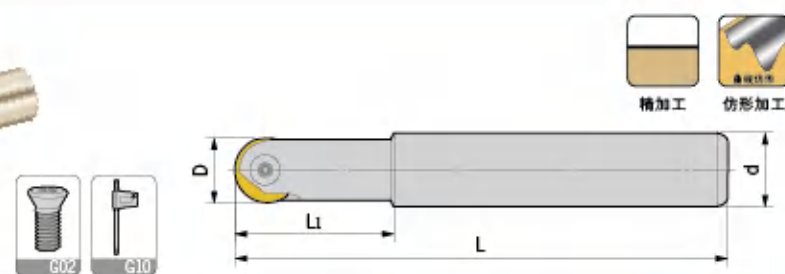


型号 Specification	刃数 Teeth	R	D	d	L1	L2	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
RCFL- C20-10R-160-4T	4	10	20	20	24	60	160			Q08B	0.35
C20-10R-200-4T	4	10	20	20	24	70	200			Q08B	0.45
C25-10R-160-4T	4	10	20	25	24	60	160	ZCEW100CE	M030D095	Q08B	0.50
C25-10R-200-4T	4	10	20	25	24	70	200	ZCEW100SE	M030D075	Q08B	0.65
C25-10R-250-4T	4	10	20	25	24	80	250	CPMT080204	M025W060	Q08B	0.75
C32-10R-250-4T	4	10	20	32	24	115	250			Q08B	1.15
C32-10R-300-4T	4	10	20	32	24	115	300			Q08B	1.40
C25-12.5R-160-4T	4	12.5	25	25	38	60	160			Q15B	0.50
C25-12.5R-200-4T	4	12.5	25	25	38	70	200			Q15B	0.70
C32-12.5R-160-4T	4	12.5	25	32	38	70	160	ZCEW125CE	M040D110	Q15B	0.60
C32-12.5R-200-4T	4	12.5	25	32	38	80	200	ZCEW125SE	M040D080-3	Q15B	0.90
C32-12.5R-250-4T	4	12.5	25	32	38	90	250	CPMT090308		Q15B	1.20
C32-12.5R-300-4T	4	12.5	25	32	38	105	300			Q15B	1.45
C32-15R-160-4T	4	15	30	32	43	60	160			Q15B/Q20B	0.85
C32-15R-200-4T	4	15	30	32	43	70	200	ZCEW150CE	M050Y120-3	Q15B/Q20B	1.10
C32-15R-250-4T	4	15	30	32	43	80	250	ZCEW150SE	M040D080-3	Q15B/Q20B	1.40
C32-15R-300-4T	4	15	30	32	43	100	300	CPMT090308		Q15B/Q20B	1.70
C32-15R-350-4T	4	15	30	32	43	100	350			Q15B/Q20B	2.00

适用 Suitable:日立刀片 HITACHI Insert

# BF

BF Ball-nose Milling Cutter For Finishing  
BF 球头精加工立铣刀



型号 Specification	D	d	L1	L	刀片 Insert	刀片螺钉 Insert screw	扳手 Wrench	重量 Weight
BF- C12-4R-100-1T	8	12	25	100	P3200-D08	M030W070-4R	Q08B	0.10
C12-4R-130-1T	8	12	25	130	P3200-D08	M030W070-4R	Q08B	0.10
C12-4R-160-1T	8	12	30	160	P3200-D08	M030W070-4R	Q08B	0.12
C10-5R-100-1T	10	10	30	100	P3200-D10	M040W090-5R	Q15B	0.05
C12-5R-130-1T	10	12	30	130	P3200-D10	M040W090-5R	Q15B	0.10
C12-5R-160-1T	10	12	35	160	P3200-D10	M040W090-5R	Q15B	0.12
C12-6R-130-1T	12	12	30	130	P3200-D12	M050W090-6R	Q20B	0.10
C12-6R-160-1T	12	12	30	160	P3200-D12	M050W090-6R	Q20B	0.15
C16-6R-160-1T	12	16	30	160	P3200-D12	M050W090-6R	Q20B	0.13
C16-8R-120-1T	16	16	30	120	P3200-D16	M050W130-8R	Q20B	0.23
C16-8R-160-1T	16	16	30	160	P3200-D16	M050W130-8R	Q20B	0.20
C16-8R-180-1T	16	16	35	180	P3200-D16	M050W130-8R	Q20B	0.26
C16-8R-200-1T	16	16	45	200	P3200-D16	M050W130-8R	Q20B	0.29
C20-10R-160-1T	20	20	30	160	P3200-D20	M050W170-10R	Q20B	0.35
C20-10R-200-1T	20	20	35	200	P3200-D20	M050W170-10R	Q20B	0.45
C25-10R-160-1T	20	25	30	160	P3200-D20	M050W170-10R	Q20B	0.44
C25-10R-200-1T	20	25	60	200	P3200-D20	M050W170-10R	Q20B	0.62
C25-10R-250-1T	20	25	50	250	P3200-D20	M050W170-10R	Q20B	0.80
C25-12.5R-160-1T	25	25	35	160	P3202-D25	M060W210-12.5R	T30M	0.54
C25-12.5R-200-1T	25	25	40	200	P3202-D25	M060W210-12.5R	T30M	0.70
C25-12.5R-250-1T	25	25	60	250	P3202-D25	M060W210-12.5R	T30M	0.88
C32-12.5R-200-1T	25	32	50	200	P3202-D25	M060W210-12.5R	T30M	0.91
C32-12.5R-250-1T	25	32	85	250	P3202-D25	M060W210-12.5R	T30M	1.01
C32-16R-200-1T	32	32	55	200	P3201-D32	M080W250-16R	T30M	1.13
C32-16R-250-1T	32	32	70	250	P3201-D32	M080W250-16R	T30M	1.44
C32-16R-300-1T	32	32	80	300	P3201-D32	M080W250-16R	T30M	1.77

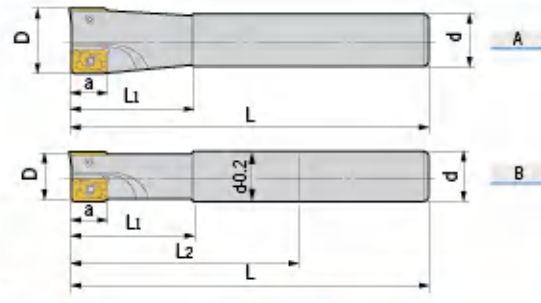
适用 Suitable:德克刀片、瓦尔特刀片 DEREK Or WALTER Insert

## 特点 / Feature

- 切削能力及精度均佳，排屑良好，高速切削亦稳定，同一片刀片有很宽的应用范围。它锋利的切削刃很容易切削淬硬到HRC60钢以及不锈钢球墨铸铁、铝、锌合金和石墨，应用于造模具用的材料的精加工以及航空工业内的燃汽轮机叶片的制造。
- Good cutting capability and precision, good capability for removing the metal chips and cutting. Steadily when high speed machining.
- One insert can be used in vast area. The sharp blade is easy to cutting steel, stainless steel, cast iron, aluminum etc.

# 300R/400R

300R/400R High Speed Indexable End Mill  
300R/400R 清角高速端铣刀

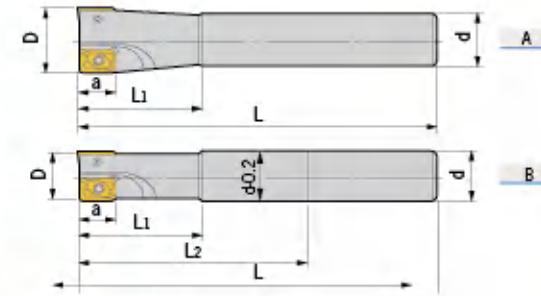


型号 Specification	刃数 Teeth	图示 Fig	D	d	a	L <sub>1</sub>	L <sub>2</sub>	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
300R- C10-10-100-1T	1	A	10	10	9	25	-	100	APMT1135	M025W050	Q08B	0.05
C10-10-130-1T	1	A	10	10	9	25	-	130	APMT1135	M025W050	Q08B	0.06
C12-12-130-1T	1	A	12	12	9	30	-	130	APMT1135	M025W050	Q08B	0.10
C16-16-120-2T	2	A	16	16	9	40	-	120	APMT1135	M025W060	Q08B	0.17
C16-16-160-2T	2	A	16	16	9	50	-	160	APMT1135	M025W060	Q08B	0.23
C16-16-180-2T	2	B	16	16	9	60	90	180	APMT1135	M025W060	Q08B	0.26
C16-16-200-2T	2	B	16	16	9	60	100	200	APMT1135	M025W060	Q08B	0.29
C20-20-120-2T	2	A	20	20	9	50	-	120	APMT1135	M025W060	Q08B	0.26
C20-20-160-2T	2	A	20	20	9	60	-	160	APMT1135	M025W060	Q08B	0.36
C20-20-200-2T	2	B	20	20	9	70	100	200	APMT1135	M025W060	Q08B	0.46
400R- C25-25-160-2T	2	A	25	25	14	70	-	160	APMT1604	M040S080-1	Q15B	0.55
C25-25-200-2T	2	B	25	25	14	70	100	200	APMT1604	M040S080-1	Q15B	0.70
C25-25-250-2T	2	B	25	25	14	80	115	250	APMT1604	M040S080-1	Q15B	0.89
C25-25-300-2T	2	B	25	25	14	80	165	300	APMT1604	M040S080-1	Q15B	1.07
C25-30-160-2T	2	A	30	25	14	42	-	160	APMT1604	M040S100-1	Q15B	0.81
C25-30-200-2T	2	B	30	25	14	42	100	200	APMT1604	M040S100-1	Q15B	1.11
C25-30-250-2T	2	B	30	25	14	42	115	250	APMT1604	M040S100-1	Q15B	1.42
C32-32-160-2T	2	A	32	32	14	48	-	160	APMT1604	M040S100-1	Q15B	0.86
C32-32-200-2T	2	B	32	32	14	48	100	200	APMT1604	M040S100-1	Q15B	1.16
C32-32-250-2T	2	B	32	32	14	48	115	250	APMT1604	M040S100-1	Q15B	1.47
C32-32-300-2T	2	B	32	32	14	48	165	300	APMT1604	M040S100-1	Q15B	1.77
C32-35-160-2T	2	A	35	32	14	48	-	160	APMT1604	M040S100-1	Q15B	0.95
C32-35-200-2T	2	A	35	32	14	48	-	200	APMT1604	M040S100-1	Q15B	1.20
C32-35-250-2T	2	A	35	32	14	60	-	250	APMT1604	M040S100-1	Q15B	1.51
C32-35-300-2T	2	A	35	32	14	60	-	300	APMT1604	M040S100-1	Q15B	1.83
C32-35-160-3T	3	A	35	32	14	60	-	160	APMT1604	M040S100-1	Q15B	0.94
C32-35-200-3T	3	A	35	32	14	60	-	200	APMT1604	M040S100-1	Q15B	1.20
C32-35-250-3T	3	A	35	32	14	60	-	250	APMT1604	M040S100-1	Q15B	1.51
C32-35-300-3T	3	A	35	32	14	60	-	300	APMT1604	M040S100-1	Q15B	1.82
C32-35-350-3T	3	A	35	32	14	60	-	350	APMT1604	M040S100-1	Q15B	2.13
C32-35-400-3T	3	A	35	32	14	60	-	400	APMT1604	M040S100-1	Q15B	2.46
C32-35-450-3T	3	A	35	32	14	60	-	450	APMT1604	M040S100-1	Q15B	2.78
C32-35-500-3T	3	A	35	32	14	60	-	500	APMT1604	M040S100-1	Q15B	3.07
C32-40-160-3T	3	A	40	32	14	60	-	160	APMT1604	M040S100-1	Q15B	1.10
C32-40-200-3T	3	A	40	32	14	60	-	200	APMT1604	M040S100-1	Q15B	1.24
C32-40-250-3T	3	A	40	32	14	60	-	250	APMT1604	M040S100-1	Q15B	1.55
C32-40-300-3T	3	A	40	32	14	60	-	300	APMT1604	M040S100-1	Q15B	1.88

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert

# 300R/400R

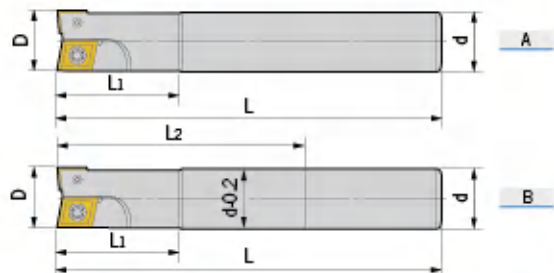
300R/400R High Speed Indexable End Mill  
300R/400R 清角高速端铣刀



特殊型号 Special size

型号 Specification	刃数 Teeth	图示 Fig	D	d	a	L <sub>1</sub>	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
300R- C12-13-130-1T	1	A	13	12	9	25	130	APMT1135	M025W060	Q08B	0.11
C15-16-120-2T	2	A	16	15	9	40	120	APMT1135	M025W060	Q08B	0.15
C15-16-160-2T	2	A	16	15	9	40	160	APMT1135	M025W060	Q08B	0.21
C15-16-180-2T	2	A	16	15	9	40	180	APMT1135	M025W060	Q08B	0.24
C15-16-200-2T	2	A	16	15	9	40	200	APMT1135	M025W060	Q08B	0.26
C15.6-16-160-2T	2	A	16	15.6	9	50	160	APMT1135	M025W060	Q08B	0.22
C15.6-16-200-2T	2	A	16	15.6	9	50	200	APMT1135	M025W060	Q08B	0.28
C16-17-120-2T	2	A	17	16	9	50	120	APMT1135	M025W060	Q08B	0.17
C16-17-160-2T	2	A	17	16	9	50	160	APMT1135	M025W060	Q08B	0.24
C16-17-180-2T	2	A	17	16	9	50	180	APMT1135	M025W060	Q08B	0.27
C16-17-200-2T	2	A	17	16	9	50	200	APMT1135	M025W060	Q08B	0.30
C19-20-160-2T	2	A	20	19	9	50	160	APMT1135	M025W060	Q08B	0.33
C19-20-200-2T	2	A	20	19	9	50	200	APMT1135	M025W060	Q08B	0.42
C20-21-160-2T	2	A	21	20	9	50	160	APMT1135	M025W060	Q08B	0.39
C20-21-200-2T	2	A	21	20	9	50	200	APMT1135	M025W060	Q08B	0.47
400R- C24-25-160-2T	2	A	25	24	14	50	160	APMT1604	M040S080-1	Q15B	0.51
C24-25-200-2T	2	A	25	24	14	50	200	APMT1604	M040S080-1	Q15B	0.65
C24-25-250-2T	2	A	25	24	14	50	250	APMT1604	M040S080-1	Q15B	0.83
C25-26-160-2T	2	A	26	25	14	50	160	APMT1604	M040S080-1	Q15B	0.56
C25-26-200-2T	2	A	26	25	14	50	200	APMT1604	M040S080-1	Q15B	0.71
C25-26-250-2T	2	A	26	25	14	50	250	APMT1604	M040S080-1	Q15B	0.90

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert



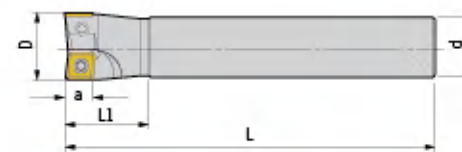
型号 Specification	刃数 Teeth	图示 Fig	D	d	L <sub>1</sub>	L <sub>2</sub>	L	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
AJU- C10-10-100-1T	1	A	10	10	30	-	100	CCMT060204	M025W050	Q08B	0.05
C10-10-130-1T	1	A	10	10	30	-	130	CCMT060204	M025W050	Q08B	0.07
C12-12-130-1T	1	A	12	12	30	-	130	CPMT080204Z	M025W060	Q08B	0.10
C16-16-160-2T	2	A	16	16	35	-	160	CCMT060204	M025W060	Q08B	0.23
C16-16-200-2T	2	B	16	16	40	100	200	CPMT080204Z	M025W060	Q08B	0.29
C20-20-160-2T	2	A	20	20	50	-	160	CCMT060204	M025W060	Q08B	0.36
C20-20-200-2T	2	B	20	20	60	100	200	CPMT090204Z	M035R080-1	Q15B	0.45
C25-25-160-2T	2	A	25	25	60	-	160	CPMT090308	M040R080-2	Q15B	0.54
C25-25-200-2T	2	B	25	25	70	100	200	CPMT120308Z	M040R080-2	Q15B	0.70
C25-25-250-2T	2	B	25	25	80	115	250	CPMT120308Z	M040R080-2	Q15B	0.88
C32-32-200-2T	2	B	32	32	60	100	200	CPMT120408	M050Y110-4	Q20B	1.12
C32-32-250-2T	2	B	32	32	70	115	250	CPMT160408Z	M050Y110-4	Q20B	1.41
C32-32-300-2T	2	B	32	32	80	165	300	CPMT160430Z	M050Y110-4	Q20B	1.71

适用 Suitable: 德克刀片、日立刀片 DEREK Or HITACHI Insert

特殊型号 Special size

型号 Specification	刃数 Teeth	图示 Fig	D	d	L <sub>1</sub>	L	刀片型号 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
AJU- C15-16-160-2T	2	A	16	15	35	160	CCMT060204	M025W060	Q08B	0.21
C15-16-200-2T	2	A	16	15	40	200	CPMT080204Z	M025W060	Q08B	0.26
C19-20-160-2T	2	A	20	19	35	160	CCMT060204	M025W060	Q08B	0.33
C19-20-200-2T	2	A	20	19	40	200	CPMT090204Z	M035R080-1	Q15B	0.42
C24-25-160-2T	2	A	25	24	35	160	CPMT090308	M040R080-2	Q15B	0.51
C24-25-200-2T	2	A	25	24	35	200	CPMT120308Z	M040R080-2	Q15B	0.65
C24-25-250-2T	2	A	25	24	40	250	CPMT120308Z	M040R080-2	Q15B	0.83

适用 Suitable: 德克刀片、日立刀片 DEREK Or HITACHI Insert

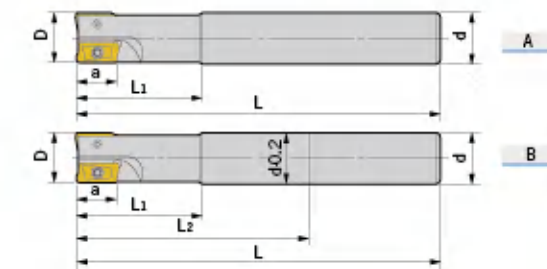


型号 Specification	刃数 Teeth	D	d	a	L <sub>1</sub>	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
TCP- C16-16-160-2T	2	16	16	6	50	160	CCMT060204	M025W060	Q08B	0.23
C16-16-200-2T	2	16	16	6	60	200	CCMT060204	M025W060	Q08B	0.26
C20-20-160-2T	2	20	20	8	60	160	CPMT080204	M025W060	Q08B	0.35
C20-20-200-2T	2	20	20	8	70	200	CPMT080204	M025W060	Q08B	0.45
C25-25-160-2T	2	25	25	9	80	160	CPMT090308	M040R080-2	Q15B	0.55
C25-25-200-2T	2	25	25	9	70	200	CPMT090308	M040R080-2	Q15B	0.70
C25-30-160-2T	2	30	25	12	48	160	CPMT120408	M050Y110-4	Q20B	0.53
C25-30-200-2T	2	30	25	12	48	200	CPMT120408	M050Y110-4	Q20B	0.72
C25-30-250-2T	2	30	25	12	48	250	CPMT120408	M050Y110-4	Q20B	0.92
C32-35-160-2T	2	35	32	12	48	160	CPMT120408	M050Y110-4	Q20B	0.86
C32-35-200-2T	2	35	32	12	48	200	CPMT120408	M050Y110-4	Q20B	1.18
C32-35-250-2T	2	35	32	12	48	250	CPMT120408	M050Y110-4	Q20B	1.49
C32-35-160-3T	3	35	32	12	48	160	CPMT120408	M050Y110-4	Q20B	0.94
C32-35-200-3T	3	35	32	12	48	200	CPMT120408	M050Y110-4	Q20B	1.20
C32-35-250-3T	3	35	32	12	48	250	CPMT120408	M050Y110-4	Q20B	1.51

适用 Suitable: 德克刀片、日立刀片 DEREK Or HITACHI Insert

# R390

R390 Indexable End Mill  
R390 舍弃式端铣刀

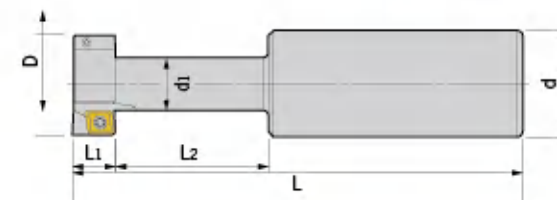


型号 Specification	刃数 Teeth	图示 Fig	D	d	a	L1	L2	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
R390- C15-16-160-2T	2	A	16	15	10	25	-	160	R390-11T308	M025W050	Q08B	0.20
C15-16-200-2T	2	A	16	15	10	25	-	200	R390-11T308	M025W050	Q08B	0.23
C15.6-16-160-2T	2	A	16	15.6	10	25	-	160	R390-11T308	M025W050	Q08B	0.22
C15.6-16-200-2T	2	A	16	15.6	10	25	-	200	R390-11T308	M025W050	Q08B	0.25
C16-16-160-2T	2	A	16	16	10	25	-	160	R390-11T308	M025W050	Q08B	0.23
C16-16-180-2T	2	B	16	16	10	25	90	180	R390-11T308	M025W050	Q08B	0.26
C19-20-160-2T	2	A	20	19	10	25	-	160	R390-11T308	M025W060	Q08B	0.33
C19-20-180-2T	2	A	20	19	10	25	-	180	R390-11T308	M025W060	Q08B	0.37
C20-20-160-2T	2	A	20	20	10	25	-	160	R390-11T308	M025W060	Q08B	0.35
C20-20-200-2T	2	B	20	20	10	25	100	200	R390-11T308	M025W060	Q08B	0.45
C24-25-160-2T	2	A	25	24	17	50	-	160	R390-170408	M035T085	Q15B	0.51
C24-25-160-3T	3	A	25	24	17	50	-	160	R390-11T308	M025W060	Q08B	0.51
C24-25-200-2T	2	A	25	24	17	50	-	200	R390-170408	M035T085	Q15B	0.64
C24-25-200-3T	3	A	25	24	17	50	-	200	R390-11T308	M025W060	Q08B	0.64
C24-25-250-2T	2	A	25	24	17	50	-	250	R390-170408	M035T085	Q15B	0.82
C25-25-160-2T	2	A	25	25	17	60	-	160	R390-170408	M035T085	Q15B	0.55
C25-25-160-3T	3	A	25	25	17	60	-	160	R390-11T308	M025W060	Q08B	0.55
C25-25-200-2T	2	B	25	25	17	60	100	200	R390-170408	M035T085	Q15B	0.70
C25-25-200-3T	3	B	25	25	17	60	100	200	R390-11T308	M025W060	Q08B	0.70
C25-25-250-2T	2	B	25	25	17	60	100	250	R390-170408	M035T085	Q15B	0.89

适用 Suitable: 德克刀片、山特维克刀片 DEREK Or SANDVIK Insert

# ATS/ASL

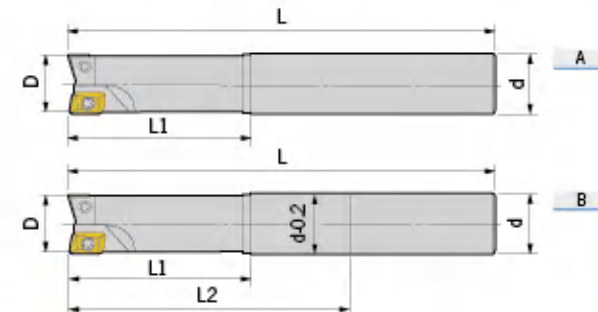
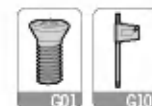
ATS T-Slot Milling Cutter  
ATS-T 型槽端铣刀



型号 Specification	刃数 Teeth	D	d	d1	L1	L2	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
ATS- C25-25-11-110-2T	2	25	25	12.5	11	21	110	CCMT060204	M025W060	Q08B	0.35
C32-32-14-120-2T	2	32	32	16	14	30	120	CPMT080204	M025W060	Q08B	0.55
C32-40-18-130-4T	4	40	32	20	18	32	130	CCMT09T308	M040S100-1	Q15B	0.70
C32-50-22-140-4T	4	50	32	26	22	39	140	CCMT120408	M050Y110-1	Q20B	0.95

适用 Suitable: 德克刀片、日立刀片 DEREK Or HITACHI Insert

ASL Cutter for Drilling And Milling  
ASL 钻铣共用型铣刀(短刃型)

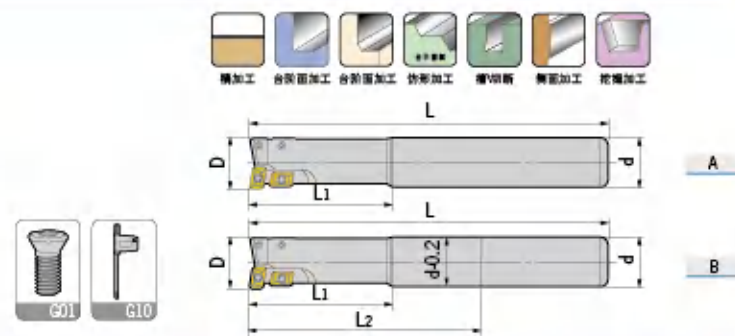


型号 Specification	刃数 Teeth	图示 Fig	D	d	L1	L2	L	横刀片 Cross insert	竖刀片 Vertical insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
ASL- C20-20-160-2T	2	A	20	20	35	-	160	ADMT100308L	ACMT100308R	M025W060	Q08B	0.35
C20-20-200-2T	2	B	20	20	35	100	200	ADMT100308L	ACMT100308R	M025W060	Q08B	0.45
C25-25-150-2T	2	A	25	25	40	-	150	ADMT12T308L	APMT12T308R	M030Y070-2	Q10R	0.55
C25-25-200-2T	2	B	25	25	40	100	200	ADMT12T308L	APMT12T308R	M030Y070-2	Q10R	0.75
C25-25-250-2T	2	B	25	25	40	115	250	ADMT12T308L	APMT12T308R	M030Y070-2	Q10R	0.95
C32-32-160-2T	2	A	32	32	50	-	160	APMT160408L	APMT150408R	M040S080-1	Q15B	0.90
C32-32-200-2T	2	B	32	32	50	100	200	APMT160408L	APMT150408R	M040S080-1	Q15B	1.25

适用 Suitable: 日立刀片 HITACHI Insert

# ASJ/SKM

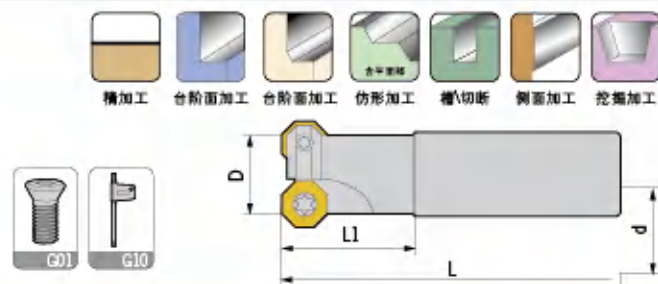
ASJ Cutter For Drilling And Milling  
ASJ 钻铣共用型铣刀



型号 Specification	横刃 Cross	竖刃 Vertical	图示 Fig	D	d	L1	L2	L	横刀片 Cross insert	竖刀片 Vertical insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
ASJ- C20-20-160-4T	1	3	A	20	20	35	-	160	ADMT100308L	ACMT100308R	M025W060	Q08B	0.35
C20-20-200-4T	1	3	B	20	20	35	100	200	ADMT100308L	ACMT100308R	M025W060	Q08B	0.45
C25-25-160-4T	1	3	A	25	25	40	-	160	ADMT12T308L	APMT12T308R	M030Y070-2	Q10R	0.55
C25-25-200-4T	1	3	B	25	25	40	100	200	ADMT12T308L	APMT12T308R	M030Y070-2	Q10R	0.75
C25-25-250-4T	1	3	B	25	25	40	115	250	ADMT12T308L	APMT12T308R	M030Y070-2	Q10R	0.95
C25-25-300-4T	1	3	B	25	25	40	165	300	ADMT12T308L	APMT12T308R	M030Y070-2	Q10R	1.15
C32-32-160-4T	1	3	A	32	32	50	-	160	APMT160408L	APMT150408R	M040S080-1	Q15B	0.90
C32-32-200-4T	1	3	B	32	32	50	100	200	APMT160408L	APMT150408R	M040S080-1	Q15B	1.25
C32-32-250-4T	1	3	B	32	32	50	115	250	APMT160408L	APMT150408R	M040S080-1	Q15B	1.55
C32-32-300-4T	1	3	B	32	32	50	165	300	APMT160408L	APMT150408R	M040S080-1	Q15B	1.85
C32-32-350-4T	1	3	B	32	32	50	165	350	APMT160408L	APMT150408R	M040S080-1	Q15B	2.20
C32-35-160-4T	1	3	A	35	32	50	-	160	APMT170408L	APMT150408R	M040S080-1	Q15B	1.00
C32-35-200-4T	1	3	A	35	32	50	-	200	APMT170408L	APMT150408R	M040S080-1	Q15B	1.25
C32-35-250-4T	1	3	A	35	32	50	-	250	APMT170408L	APMT150408R	M040S080-1	Q15B	1.60
C32-35-300-4T	1	3	A	35	32	50	-	300	APMT170408L	APMT150408R	M040S080-1	Q15B	1.90

适用 Suitable: 日立刀片 HITACHI Insert

## SKM High-speed Milling Cutter SKM 高速面铣刀

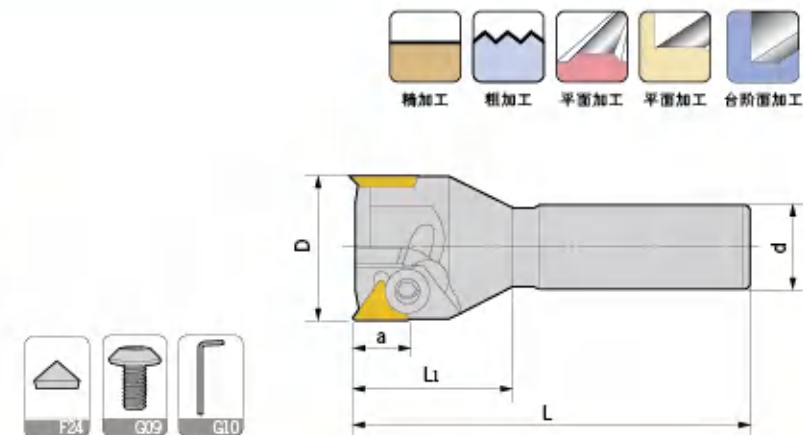


型号 Specification	刃数 Teeth	D	d	L1	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
SKM- C20-25-120-2T	2	25	20	40	120	ODMT040408	M040R100-2	Q15B	0.30
C25-25-120-2T	2	25	25	40	120	ODMT040408	M040R100-2	Q15B	0.40
C25-32-120-3T	3	32	25	40	120	ODMT040408	M040R100-2	Q15B	0.50
C32-32-120-3T	3	32	32	40	120	ODMT040408	M040R100-2	Q15B	0.65
C32-40-120-4T	4	40	32	50	120	ODMT040408	M040R100-2	Q15B	0.85

适用 Suitable: 施特拉姆 STELLRAM Insert

# TP

TP Shoulder Milling Cutter  
TP 舍弃式直角铣刀

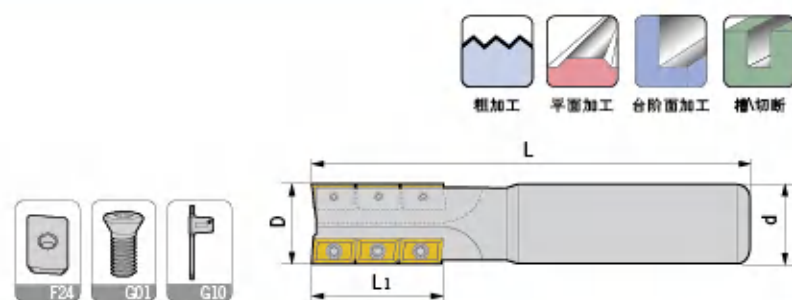


型号 Specification	刃数 Teeth	D	d	a	L1	L	刀片 Insert	伞形压板 Umbrella clamp	扳手 Wrench	重量 Weight
TP- C20-20-90-1T	1	20	20	9	30	90	TPMN110304	M050H080-TP	L03G	0.20
C20-25-100-2T	2	25	20	9	30	100	TPMN110304	M050H080-TP	L03G	0.24
C20-32-130-2T	2	32	20	14	40	130	TPMN160308	M060H120-TP	L04D	0.30
C20-35-130-2T	2	35	20	14	40	130	TPMN160308	M060H120-TP	L04D	0.37
C20-35-160-2T	2	35	20	14	40	160	TPMN160308	M060H120-TP	L04D	0.45
C20-35-200-2T	2	35	20	14	40	200	TPMN160308	M060H120-TP	L04D	0.55
C25-35-160-2T	2	35	25	14	40	160	TPMN160308	M060H120-TP	L04D	0.60
C25-35-200-2T	2	35	25	14	40	200	TPMN160308	M060H120-TP	L04D	0.80
C32-35-110-2T	2	35	32	14	40	110	TPMN160308	M060H120-TP	L04D	0.65
C32-35-160-2T	2	35	32	14	40	160	TPMN160308	M060H120-TP	L04D	0.95
C32-35-200-2T	2	35	32	14	40	200	TPMN160308	M060H120-TP	L04D	1.18
C20-40-160-3T	3	40	20	14	40	160	TPMN160308	M060H120-TP	L04D	0.46
C25-40-130-3T	3	40	25	14	40	130	TPMN160308	M060H120-TP	L04D	0.60
C25-40-160-3T	3	40	25	14	40	160	TPMN160308	M060H120-TP	L04D	0.80
C25-40-200-3T	3	40	25	14	40	200	TPMN160308	M060H120-TP	L04D	1.00
C32-40-115-3T	3	40	32	14	40	115	TPMN160308	M060H120-TP	L04D	0.72
C32-40-160-3T	3	40	32	14	40	160	TPMN160308	M060H120-TP	L04D	0.96
C32-40-200-3T	3	40	32	14	40	200	TPMN160308	M060H120-TP	L04D	1.21
C20-50-160-3T	3	50	20	14	40	160	TPMN160308	M060H120-TP	L04D	0.60
C25-50-160-3T	3	50	25	14	40	160	TPMN160308	M060H120-TP	L04D	0.79
C25-50-200-3T	3	50	25	14	40	200	TPMN160308	M060H120-TP	L04D	0.98
C32-50-160-3T	3	50	32	14	40	160	TPMN160308	M060H120-TP	L04D	1.09
C32-50-200-3T	3	50	32	14	40	200	TPMN160308	M060H120-TP	L04D	1.31
C20-63-160-3T	3	63	20	20	40	160	TPMN220412	M080H160-TP	L05D	0.70
C25-63-160-3T	3	63	25	20	40	160	TPMN220412	M080H160-TP	L05D	0.85
C32-63-160-3T	3	63	32	20	40	160	TPMN220412	M080H160-TP	L05D	1.22
C32-63-200-3T	3	63	32	20	45	200	TPMN220412	M080H160-TP	L05D	1.65

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert

# APE/SPE

APE Shell Mill For Roughing  
APE 粗切削端铣刀



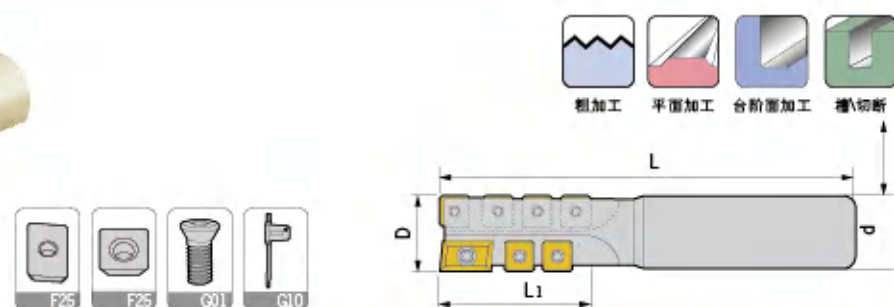
型号 Specification	刃数 Teeth	刀片数 Teeth	D	d	L1	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench
APE- C20-20-107-2T	2	5	20	20	28	107	APKX1003	M025F060	Q08B
C25-25-125-2T	2	8	25	25	37	125	APKX1003	M025F060	Q08B
C32-32-135-3T	3	15	32	32	46	135	APKX1003	M025F060	Q08B

适用 SUITABLE: 德克刀片 DEREK Insert

## 特点 / Feature

- 高刚性设计, 适合大切削。 ■High rigidity design, for high-feed cutting.

SPE Shell Mill For Roughing  
SPE 粗切削端铣刀

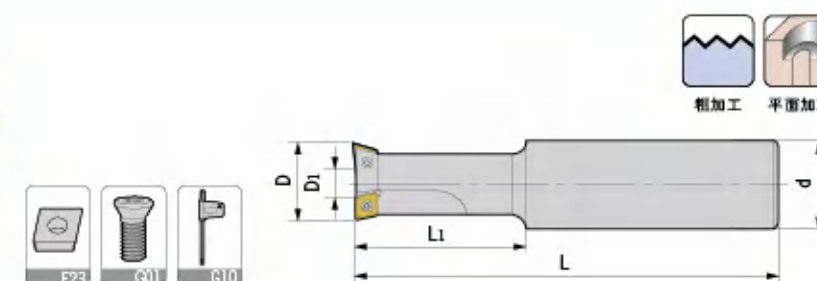


型号 Specification	刃数 Teeth	D	d	L1	L	T1	刀片1 Insert1	T2	刀片2 Insert2	刀片螺钉 Insert screw	旗形扳手 Wrench
C32-32-145-2T	2	32	32	45	145	1	APMX15T3	5	SPMX09T3	M040M100	Q15B
C40-40-160-4T	4	40	40	52	160	2	APMX15T3	10	SPMX09T3	M040M100	Q15B
C50-50-180-4T	4	50	50	56	180	2	APMX15T3	12	SPMX09T3	M040M100	Q15B

适用 SUITABLE: 德克刀片 DEREK Insert

# CH/TP60°/45°/30°

CH Indexable Cutter For Pocketing  
CH 螺丝沉头孔铣刀



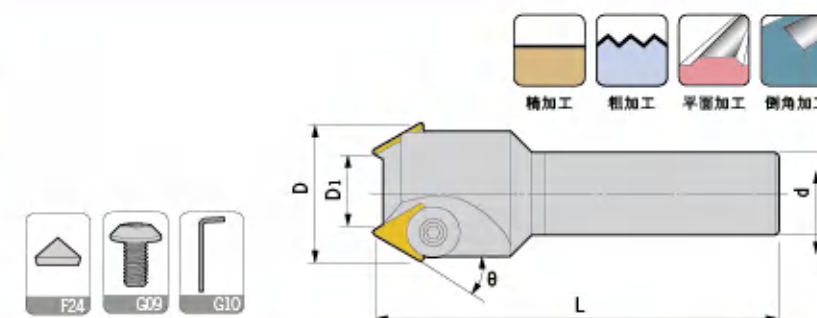
型号 Specification	刃数 Teeth	适用范围 For	D	D1	d	L1	L	刀片 Insert	刀片螺钉 Insert screw	扳手 Wrench	重量 Weight
CH- C25-14-M8-1T	1	M8	14	2.9	25	21	108	CCMT060204	M025W060	Q08B	0.32
C25-17.5-M10-2T	2	M10	17.5	5.3	25	26	115	CCMT060204	M025W060	Q08B	0.34
C25-20-M12-2T	2	M12	20	7.8	25	30	120	CCMT060204	M025W060	Q08B	0.35
C25-23-M14-2T	2	M14	23	10.8	25	34.5	126	CCMT060204	M025W060	Q08B	0.40
C32-26-M16-2T	2	M16	26	8.5	32	39	132	CPMT090308	M040R080-2	Q15B	0.50
C32-29-M18-2T	2	M18	29	11.5	32	43.5	138	CPMT090308	M040R080-2	Q15B	0.65
C32-32-M20-2T	2	M20	32	14.5	32	59	144	CPMT090308	M040R080-2	Q15B	0.87

适用 Suitable: 德克刀片、日立刀片 DEREK Or HITACHI Insert

## 特点 / Feature

- 把传统的钻孔与沉头加工结合于一体, 一次加工完成, 大幅提高螺丝沉头孔的加工效率。
- For drilling and counter-sink machining as a whole. The best choice for machining the head of socket screws.

TP60°, 45°, 30° Chamfering Cutter  
TP60°, 45°, 30° 直柄型倒角刀



型号 Specification	刃数 Teeth	D	D1	d	L	theta	刀片 Insert	伞形压板 Umbrella clamp	扳手 Wrench	重量 Weight
TP60- C25-40-120-2T	2	37.7	15.8	25	120	60	TPMN1603	M060H080-TP	L04D	0.55
TP45- C20-20-120-1T	1	20.4	4	20	120	45	TPMN1603	M060H080-TP	L04D	0.27
C20-32-120-2T	2	30.2	12	20	120	45	TPMN1603	M060H080-TP	L04D	0.32
C25-50-160-3T	3	49	24	25	160	45	TPMN2204	M080H120-TP	L05D	0.65
TP30- C25-40-120-2T	2	39	26	25	120	30	TPMN1603	M060H080-TP	L04D	0.53
C32-55-160-3T	3	54.5	36	32	160	30	TPMN2204	M080H120-TP	L05D	0.98

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert

## 特点 / Feature

- 本刀可30度, 45度, 60度切削, 亦可做倒角。
- For chamfering different angles 30°, 45° and 60°.
- 适合一般铣床, 综合切削中心机。
- For general milling machine and machine center.

# EM45°/SSK45°

EM45° Internal And External Chamfering Cutter  
EM45° 内外倒角刀



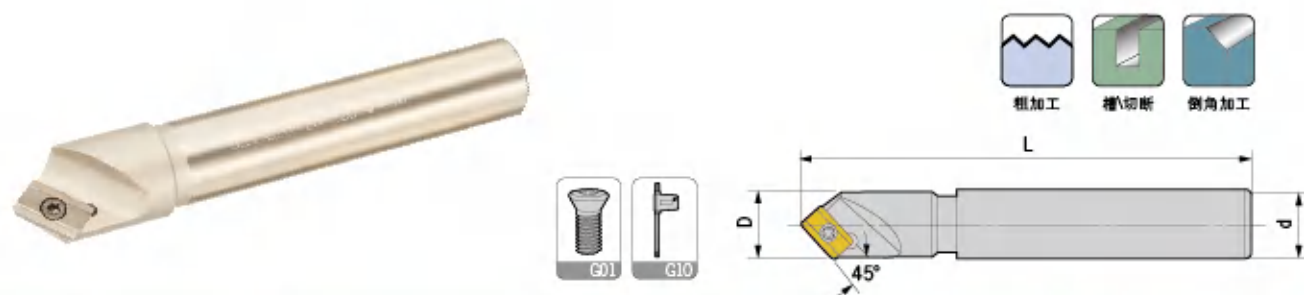
型号 Specification	刃数 Teeth	D	D1	d	L1	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
EM45- C3/4-25-110-2T	2	25	38	19.05	35	110	SPMW090304	M040S100-1	Q15B	0.26
EM45- C20-25-110-2T	2	25	38	20	35	110	SPMW090304	M040S100-1	Q15B	0.40
EM45- C25-25-150-2T	2	25	38	25	35	150	SPMW090304	M040S100-1	Q15B	0.55
EM45- C25-30-150-2T	2	30	43	25	35	150	SPMW090304	M040S100-1	Q15B	0.59

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert

## 特点 / Feature

- 高刚性设计, 适合大切削。 ■ For high-feed cutting with a high rigidity.
- 用于切槽, 倒角加工, 平面铣削。 ■ For slot cutting, chamfering and face milling.
- 刀片形状为正方形, 使用时可转位四次, 更经济。 ■ For inserts with four cutting edges.

## SSK45° Chamfering Cutter SSK45° 舍弃式倒角刀



型号 Specification	刃数 Teeth	D	d	L	倒角范围 Chamfering range	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
SSK- C20-22-130-1T	1	22	20	130	3-20	ADNT160308	M040S080-1	Q15B	0.30

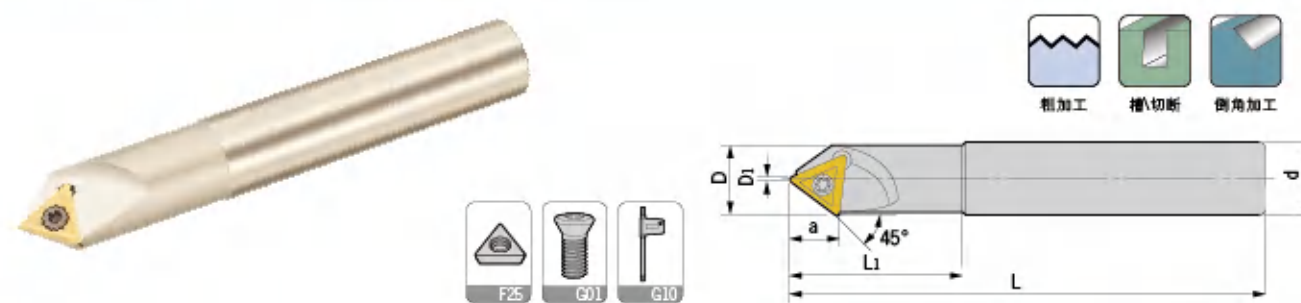
适用 Suitable: 日立刀片 HITACHI Insert

## 特点 / Feature

- 本铣刀可45度切削, 亦可做倒角。 ■ Milling with an angle of 45°, and chamfering.
- 适合一般铣床, 综合切削中心机。 ■ For general milling machine and machine center.

# SSP45°/SB45°

SSP45° Cutter For Centering And Chamfering  
SSP45° 定位倒角刀



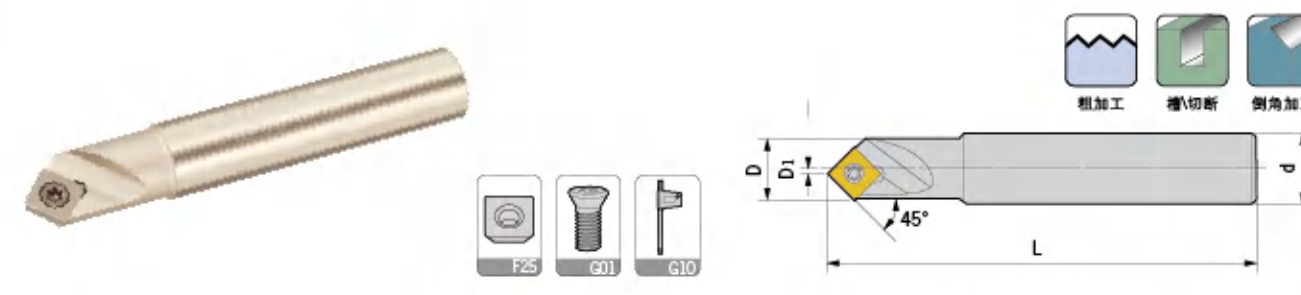
型号 Specification	刃数 Teeth	D	D1	d	a	L1	L	倒角范围 Chamfering range	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
SSP- C20-20-130-1T	1	20	0	20	11.3	20	130	0-20	TCMX16T308	M040R090	Q15B	0.28

适用 Suitable: 德克刀片 DEREK Insert

## 特点 / Feature

- 本铣刀可45度切削, 亦可做倒角, V槽切削, 可中心定位钻使用。
- 适合一般铣床, CNC铣床, CNC车床, 钻床倒角。
- Milling with an angle of 45°, chamfering, V-slot cutting and centering.
- For milling machine, CNC milling machine, CNC turning machine and drilling machine.

## SB45° Chamfering Cutter SB45° 新型倒角刀



型号 Specification	刃数 Teeth	D	D1	d	L	倒角范围 Chamfering range	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
SB- C16-16-100-1T	1	16	1.5	16	100	6.5-16	SPMW090304	M040S080-1	Q15B	0.15

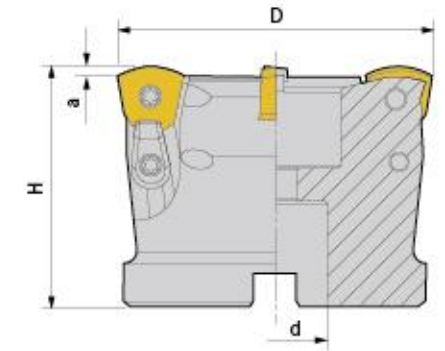
适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert

## 特点 / Feature

- 每个刀片具有四个刀刃, 经济耐用。 ■ Four cutting edges on each insert, with high cost effectiveness.
- 倒角, 切端面槽。 ■ Chamfering.

# AJX

AJX High-feed Face Mill  
AJX 大进给面铣刀头



型号 Specification	刃数 Teeth	D	d	a	H	刀片 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Clamp Screw	旗形扳手 Wrench	重量 Weight
AJX 12-50-22-4T	4	50	22	2	50	JDMW120420	M040R100-2	YD-13	M040S100-1	Q15B	0.40
12-63-22-4T	4	63	22	2	50	JDMW120420	M040R100-2	YD-13	M040S100-1	Q15B	0.75
14-63-22-4T	4	63	22	2	50	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	0.75
14-80-27-4T	4	80	27	2	50	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	1.00
14-80-27-5T	5	80	27	2	50	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	1.00
14-100-32-5T	5	100	32	2	63	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	1.25
12-50-25.4-4T	4	50	25.4	2	50	JDMW120420	M040R100-2	YD-13	M040S100-1	Q15B	0.40
12-63-25.4-4T	4	63	25.4	2	50	JDMW120420	M040R100-2	YD-13	M040S100-1	Q15B	0.75
14-63-25.4-4T	4	63	25.4	2	50	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	0.75
14-80-25.4-4T	4	80	25.4	2	50	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	1.00
14-80-25.4-5T	5	80	25.4	2	50	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	1.00
14-100-31.75-5T	5	100	31.75	2	63	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	1.20

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert

舍弃式切削刀具  
MILLING CUTTERS

双刃铣刀头  
Double Flute Milling Cutter

键槽式铣刀头  
Keyway Milling Cutter

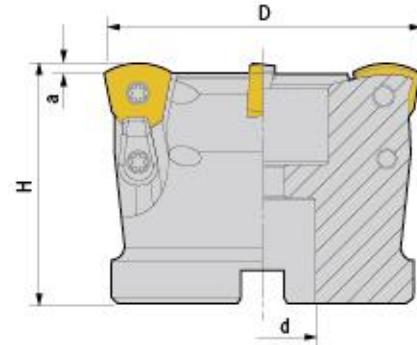
可转位铣刀杆  
Indexable Milling Bar

倒角刀  
Chamfering Cutter

可转位面铣刀  
Indexable Face Milling Cutter

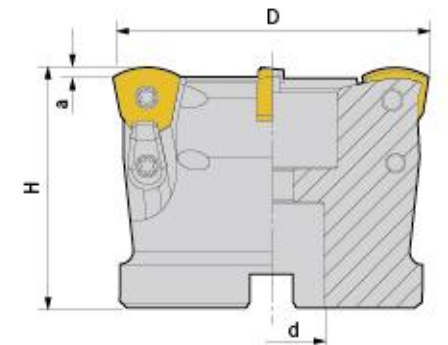
玉米铣刀  
CNC Milling Cutter

槽铣刀  
Slot Milling Cutter



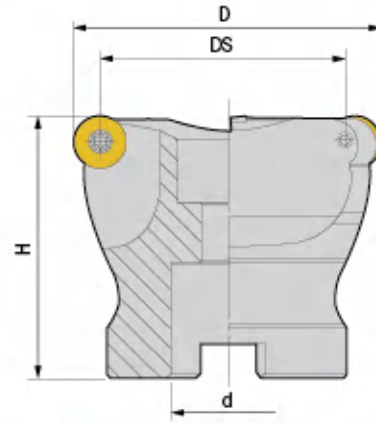
型号 Specification	刃数 Teeth	D	d	a	H	刀片 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Clamp Screw	旗形扳手 Wrench	重量 Weight
TXP-50-22-4T	4	50	22	1.5	50	WPMW06X415ZPR	M040S100-1	YD-13	M040S100-1	Q15B	0.40
63-22-4T	4	63	22	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	0.65
80-27-4T	4	80	27	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	1.00
80-27-5T	5	80	27	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	1.00
100-32-6T	6	100	32	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	1.25
63-25.4-4T	4	63	25.4	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	0.65
80-25.4-4T	4	80	25.4	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	1.00
80-25.4-5T	5	80	25.4	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	1.00
100-31.75-6T	6	100	31.75	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	1.20

适用 Suitable: 德克刀片、东芝刀片 DEREK Or TUNGALOY Insert



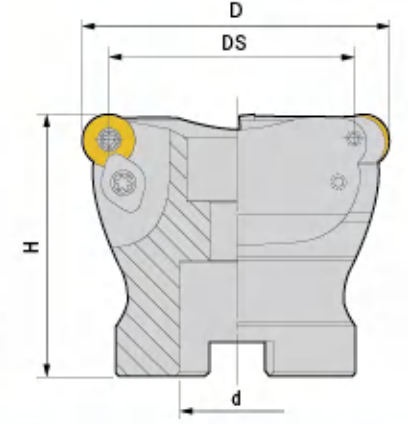
型号 Specification	刃数 Teeth	D	d	a	H	刀片 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Clamp Screw	旗形扳手 Wrench	重量 Weight
SKS 08-50-22-4T	4	50	22	2	50	WDMW080520ZTR	M045Y110	YD-16	M045Y110	Q20B	0.40
08-63-22-4T	4	63	22	2	50	WDMT080520ZER	M045Y110	YD-16	M045Y110	Q20B	0.65
08-80-27-5T	5	80	27	2	50	WDMW080520ZTR	M045Y110	YD-16	M045Y110	Q20B	1.00
08-100-32-6T	6	100	32	2	55	WDMW080520ZTR	M045Y110	YD-16	M045Y110	Q20B	1.25
10-63-22-4T	4	63	22	2.5	50	WDMW10X620ZTR	M045Y110	YD-16	M045Y110	Q20B	0.65
10-80-27-4T	4	80	27	2.5	50	WDMT10X620ZER	M045Y110	YD-16	M045Y110	Q20B	1.00
10-100-32-5T	5	100	32	2.5	55	WDMW10X620ZTR	M045Y110	YD-16	M045Y110	Q20B	1.25
08-63-25.4-4T	4	63	25.4	2	50	WDMW080520ZTR	M045Y110	YD-16	M045Y110	Q20B	0.65
08-80-25.4-5T	5	80	25.4	2	50	WDMT080520ZER	M045Y110	YD-16	M045Y110	Q20B	1.00
08-100-31.75-6T	6	100	31.75	2	55	WDMW080520ZTR	M045Y110	YD-16	M045Y110	Q20B	1.25
10-63-25.4-4T	4	63	25.4	2.5	50	WDMW10X620ZTR	M045Y110	YD-16	M045Y110	Q20B	0.65
10-80-25.4-4T	4	80	25.4	2.5	50	WDMT10X620ZER	M045Y110	YD-16	M045Y110	Q20B	1.00
10-100-31.75-5T	5	100	31.75	2.5	55	WDMW10X620ZTR	M045Y110	YD-16	M045Y110	Q20B	1.20

适用 Suitable: 德克刀片、黛杰刀片 DEREK Or DIJET Insert



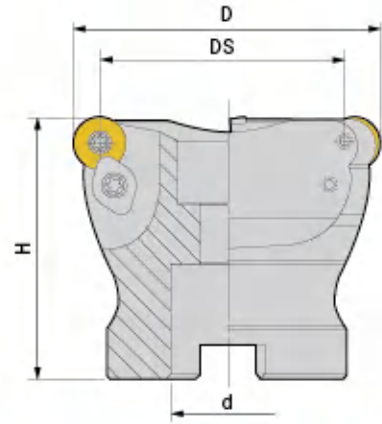
型号 Specification	刃数 Teeth	D	DS	d	H	刀片 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Clamp Screw	旗形扳手 Wrench	重量 Weight
JRC- 5R50-22-4T	4	50	40	22	50	RC * T10T3	M035T085	-	-	Q15B	0.35
5R50-25.4-4T	4	50	40	25.4	50	RC * T10T3	M035T085	-	-	Q15B	0.35
5R63-22-4T	4	63	53	22	50	RC * T10T3	M035T085	-	-	Q15B	0.55
5R63-25.4-4T	4	63	53	25.4	50	RC * T10T3	M035T085	-	-	Q15B	0.55
6R50-22-4T	4	50	38	22	50	RC * T1204	M035T085	-	-	Q15B	0.35
6R50-22-P-4T	4	50	38	22	50	RC * T1204	M035T085	YD-14	M035T085	Q15B	0.35
6R50-25.4-4T	4	50	38	25.4	50	RC * T1204	M035T085	-	-	Q15B	0.35
6R63-22-4T	4	63	51	22	50	RC * T1204	M035T085	-	-	Q15B	0.55
6R63-22-P-4T	4	63	51	22	50	RC * T1204	M035T085	YD-14	M035T085	Q15B	0.55
6R63-25.4-4T	4	63	51	25.4	50	RC * T1204	M035T085	-	-	Q15B	0.55

适用 Suitable: 德克刀片、山特维克刀片 DEREK Or SANDVIK Insert



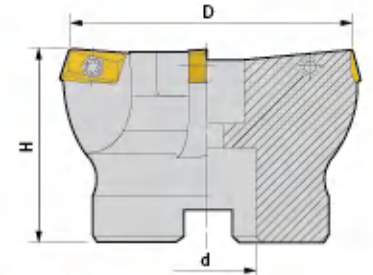
型号 Specification	刃数 Teeth	D	DS	d	H	刀片 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Clamp Screw	旗形扳手 Wrench	重量 Weight
EMRW- 5R50-22-4T	4	50	40	22	50	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.35
5R50-25.4-4T	4	50	40	25.4	50	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.35
5R63-22-4T	4	63	53	22	50	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.55
5R63-22-5T	5	63	53	22	50	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.55
5R63-25.4-4T	4	63	53	25.4	50	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.55
5R63-25.4-5T	5	63	53	25.4	50	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.55
5R80-27-5T	5	80	70	27	50	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.35
5R100-32-5T	5	100	90	32	50	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.30
5R100-32-6T	6	100	90	32	50	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.30
6R50-22-4T	4	50	38	22	50	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	0.50
6R50-25.4-4T	4	50	38	25.4	50	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	0.50
6R63-22-4T	4	63	51	22	50	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	0.75
6R63-22-5T	5	63	51	22	50	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	0.75
6R63-25.4-4T	4	63	51	25.4	50	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	0.75
6R63-25.4-5T	5	63	51	25.4	50	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	0.75
6R80-25.4-6T	6	80	68	25.4	50	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	0.95
6R80-27-6T	6	80	68	27	50	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	1.05
6R100-31.75-6T	6	100	88	31.75	50	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	1.20
6R100-32-5T	5	100	88	32	50	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	1.25
6R100-32-6T	6	100	88	32	50	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	1.25

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert



型号 Specification	刃数 Teeth	D	DS	d	H	刀片 Insert	刀片螺钉 Insert screw	压板 Clamp	压板螺钉 Clamp Screw	旗形扳手 Wrench	重量 Weight
TRS- 5R50-22-4T	4	50	40	22	50	RDMT10T3	M040R090	YS-43	M040S120	Q15B	0.35
5R50-25.4-4T	4	50	40	25.4	50	RDMT10T3	M040R090	YS-43	M040S120	Q15B	0.35
5R63-22-5T	5	63	53	22	50	RDMT10T3	M040R090	YS-43	M040S120	Q15B	0.55
5R63-25.4-4T	4	63	53	25.4	50	RDMT10T3	M040R090	YS-43	M040S120	Q15B	0.55
5R63-25.4-5T	5	63	53	25.4	50	RDMT10T3	M040R090	YS-43	M040S120	Q15B	0.55
6R50-22-4T	4	50	38	22	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.35
6R50-25.4-4T	4	50	38	25.4	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.35
6R63-22-4T	4	63	51	22	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.50
6R63-22-5T	5	63	51	22	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.50
6R63-25.4-4T	4	63	51	25.4	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.51
6R63-25.4-5T	5	63	51	25.4	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.51
6R80-27-6T	6	80	68	27	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.90
6R100-32-6T	6	100	88	32	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.20
8R63-22-4T	4	63	47	22	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	0.50
8R63-25.4-4T	4	63	47	25.4	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	0.50
8R80-25.4-4T	4	80	64	25.4	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	1.15
8R80-27-5T	5	80	64	27	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	0.85
8R100-31.75-5T	5	100	84	31.75	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	1.20
8R100-32-4T	4	100	84	32	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	1.25
8R100-32-5T	5	100	84	32	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	1.25

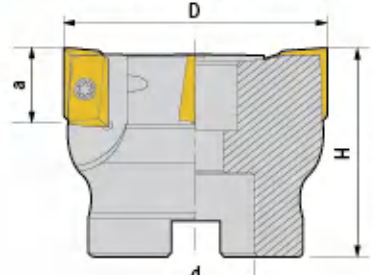
适用 Suitable: 德克刀片、日立刀片 DEREK Or HITACHI Insert



型号 Specification	刃数 Teeth	D	d	H	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
PE- 63-22-4T	4	63	22	50	APMT1604	M040S100-1	Q15B	0.65
63-25.4-4T	4	63	25.4	50	APMT1604	M040S100-1	Q15B	0.70
80-27-5T	5	80	27	50	APMT1604	M040S100-1	Q15B	1.00
80-25.4-5T	5	80	25.4	50	APMT1604	M040S100-1	Q15B	1.25
100-32-5T	5	100	32	50	APMT1604	M040S100-1	Q15B	1.25

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert

## 400R Square Face Mill 400R清角平面铣刀头

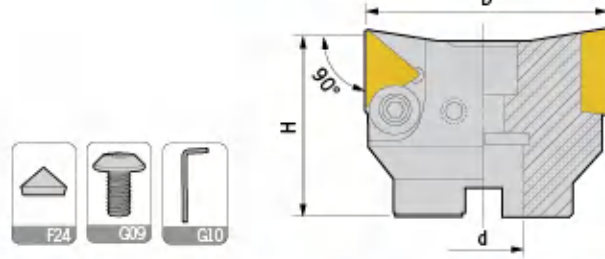


型号 Specification	刃数 Teeth	D	d	a	H	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
50-22-4T	4	50	22	16	50	APMT1604	M040S100-1	Q15B	0.40
50-25.4-4T	4	50	25.4	16	50	APMT1604	M040S100-1	Q15B	0.40
63-22-4T	4	63	22	16	50	APMT1604	M040S100-1	Q15B	0.65
63-22-5T	5	63	22	16	50	APMT1604	M040S100-1	Q15B	0.65
63-25.4-4T	4	63	25.4	16	50	APMT1604	M040S100-1	Q15B	0.65
63-25.4-5T	5	63	25.4	16	50	APMT1604	M040S100-1	Q15B	0.65
80-25.4-6T	6	80	25.4	16	50	APMT1604	M040S100-1	Q15B	1.00
80-27-6T	6	80	27	16	50	APMT1604	M040S100-1	Q15B	1.00
100-31.75-6T	6	100	31.75	16	50	APMT1604	M040S100-1	Q15B	1.25
100-32-6T	6	100	32	16	50	APMT1604	M040S100-1	Q15B	1.25
125-38.1-8T	8	125	38.1	16	63	APMT1604	M040S100-1	Q15B	3.10
125-40-8T	8	125	40	16	63	APMT1604	M040S100-1	Q15B	3.10
160-40-8T	8	160	40	16	63	APMT1604	M040S100-1	Q15B	5.10
160-50.80-8T	8	160	50.8	16	63	APMT1604	M040S100-1	Q15B	4.80

适用 Suitable: 德克刀片、三菱刀片 DEREK Or MITSUBISHI Insert

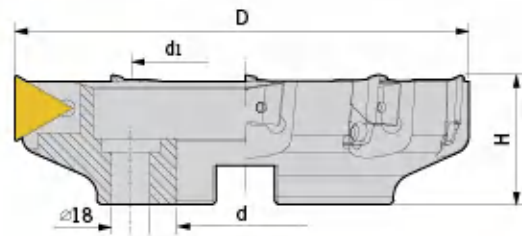
# TP90°

TP90° Square Face Mill  
TP90° 直角面铣刀头



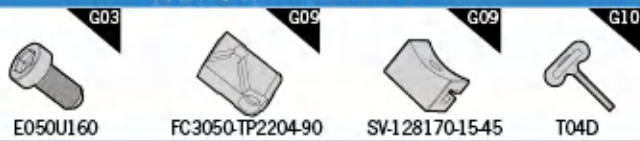
型号 Specification	刃数 Teeth	D	d	H	刀片 Insert	伞形压板 Clamp	垫片 Washer	垫片螺钉 Screw	L型扳手 Wrench	重量 Weight
TP90-50-22-3T	3	50	22	50	TPMN1603	M060H120-TP	-	-	L04D	0.40
63-22-3T	3	63	22	50	TPMN2204	M080H160-TP	MT2204	M040S080-1	L05D	0.75
80-27-4T	4	80	27	50	TPMN2204	M080H160-TP	MT2204	M040S080-1	L05D	1.00
100-32-4T	4	100	32	50	TPMN2204	M080H160-TP	MT2204	M040S080-1	L05D	1.25
125-40-6T	6	125	40	63	TPMN2204	M080H160-TP	MT2204	M040S080-1	L05D	2.70

适用 Suitable: 德克刀片 DEREK Insert



型号 Specification	刃数 Teeth	D	d	d1	H	重量 Weight
TP90-160-50.8-8T	8	160	50.8	-	63	7.30
200-47.625-10T	10	200	47.625	101.6	63	11.45
250-47.625-12T	12	250	47.625	101.6	63	13.65
300-47.625-14T	14	300	47.625	101.6	63	22.10

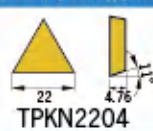
替换零件 Accessories



注: 只要更换刀片座, 同一个TP刀头可重复利用。  
NOTICE: Maximizes the tool life by only changing the insert holder.

型号 Specification	刃数 Teeth	D	d	d1	H	重量 Weight
TP90-160-40-8T	8	160	40	-	63	7.50
200-60-10T	10	200	60	101.6	63	11.70
250-60-12T	12	250	60	101.6	63	13.90
300-60-14T	14	300	60	101.6	63	22.40

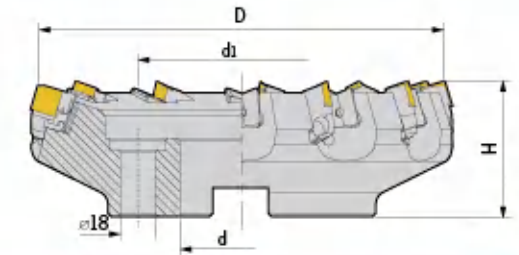
使用刀片规格 Insert



适用: 德克刀片  
Suitable: DEREK Insert

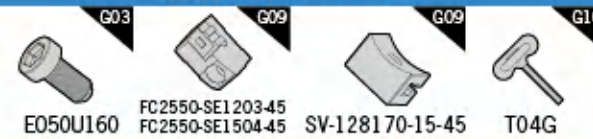
# FP45°/FP75°

FP45° Face Mill Head  
FP45° 平面铣刀头



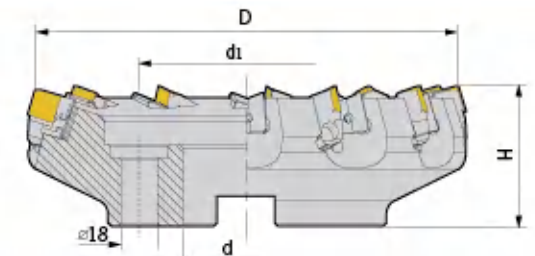
型号 Specification	刃数 Teeth	D	d	d1	H	重量 Weight
FP45-80-25.4-5T	5	80	25.4	-	50	1.90
100-31.75-5T	5	100	31.75	-	50	2.40
125-38.1-6T	6	125	38.1	-	63	5.50
160-50.8-8T	8	160	50.8	-	63	7.30
200-47.625-10T	10	200	47.625	101.6	63	11.45
250-47.625-12T	12	250	47.625	101.6	63	18.15
300-47.625-14T	14	300	47.625	101.6	63	22.10

替换零件 Accessories



注: 只要更换刀片座, 同一个FP规格刀头可使用SEKN1203, SEKN1504二种刀片。 适用: 德克刀片  
Notice: For both inserts SEKN1203 and SEKN1504 by only changing suitable insert holder. Suitable: DEREK Insert

# FP75° Face Mill Head FP75° 平面铣刀头



型号 Specification	刃数 Teeth	D	d	d1	H	重量 Weight
FP75-80-25.4-4T	4	80	25.4	-	50	1.90
100-31.75-6T	6	100	31.75	-	50	2.40
125-38.1-8T	8	125	38.1	-	63	5.50
160-50.8-10T	10	160	50.8	-	63	7.30
200-47.625-12T	12	200	47.625	101.6	63	11.45
250-47.625-14T	14	250	47.625	101.6	63	18.15
300-47.625-16T	16	300	47.625	101.6	63	22.10

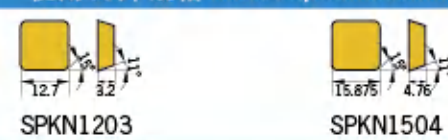
替换零件 Accessories



注: 只要更换刀片座, 同一个FP规格刀头可使用SPKN1203, SPKN1504二种刀片。 适用: 德克刀片  
Notice: For both inserts SPKN1203 and SPKN1504 by only changing suitable insert holder. Suitable: DEREK Insert

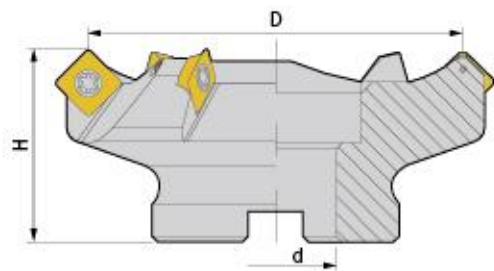
型号 Specification	刃数 Teeth	D	d	d1	H	重量 Weight
FP75-80-27-5T	5	80	27	-	50	2.05
100-32-6T	6	100	32	-	50	2.55
125-40-8T	8	125	40	-	63	5.70
160-40-10T	10	160	40	-	63	7.50
200-60-12T	12	200	60	101.6	63	11.70
250-60-14T	14	250	60	101.6	63	18.35
300-60-16T	16	300	60	101.6	63	22.40

使用刀片规格 Insert specification



# SE45°

SE45° High-speed Face Mill  
SE45° 高速平面铣刀头

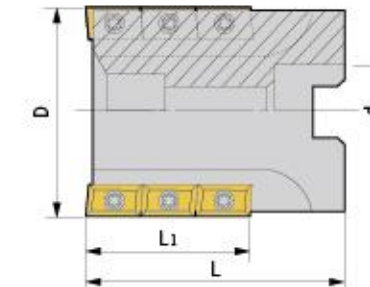


型号 Specification	刃数 Teeth	D	d	H	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
SE45- 50-22-4T	4	50	22	50	SEKT1204	M050Y110-2	Q20B	0.50
63-22-5T	5	63	22	50	SEKT1204	M050Y110-2	Q20B	0.75
63-25.4-5T	5	63	25.4	50	SEKT1204	M050Y110-2	Q20B	0.75
80-27-5T	5	80	27	50	SEKT1204	M050Y110-2	Q20B	1.15
80-25.4-5T	5	80	25.4	50	SEKT1204	M050Y110-2	Q20B	1.15
100-31.75-6T	6	100	31.75	50	SEKT1204	M050Y110-2	Q20B	1.75
100-32-6T	6	100	32	50	SEKT1204	M050Y110-2	Q20B	1.75
125-38.1-6T	6	125	38.1	63	SEKT1204	M050Y110-2	Q20B	3.75
125-40-6T	6	125	40	63	SEKT1204	M050Y110-2	Q20B	3.15
160-40-6T	6	160	40	63	SEKT1204	M050Y110-2	Q20B	5.10
160-50.8-6T	6	160	50.8	63	SEKT1204	M050Y110-2	Q20B	5.10

适用 Suitable: 德克刀片 DEREK Insert

# AMC/PMC

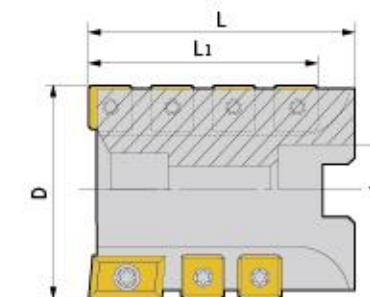
AMC Shell Mill For Roughing  
AMC 壳式粗切削端铣刀



型号 Specification	刃数 Teeth	D	d	L1	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench
AMC- 50-22-4T	12	50	22	42	69	ADKX1505	M040N100	Q15B
63-27-4T	12	63	27	42	69	ADKX1505	M040N100	Q15B

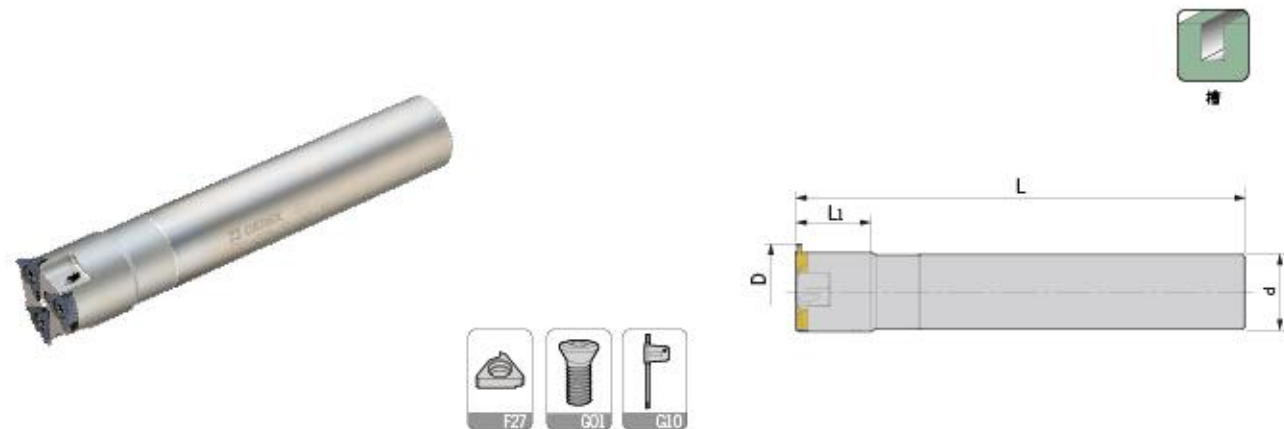
适用 Suitable: 德克刀片 DEREK Insert

PMC Shell Cutter For Roughing  
PMC 壳式粗切削端铣刀



型号 Specification	刃数 Teeth	D	d	L1	L1	T1	刀片1 Insert1	T2	刀片2 Insert2	刀片螺钉 Insert screw	旗形扳手 Wrench
PMC- 63-27-4T	4	63	27	50	80	2	APMX1504	10	SPMX1204	M050M110	Q20B
80-32-6T	6	80	32	60	80	3	APMX1504	18	SPMX1204	M050M110	Q20B
100-40-6T	6	100	40	76	100	3	APMX1504	21	SPMX1204	M050M110	Q20B

适用 Suitable: 德克刀片 DEREK Insert



型号 Specification	刃数 Teeth	D	d	L1	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
TDC- C20-19-125-1T	1	19	20	35	125	TD16	M040S100-1	Q15B	0.20
C20-24-125-1T	1	24	20	40	125	TD16	M040S100-1	Q15B	0.30
C25-32-150-3T	3	32	25	50	150	TD16	M040S100-1	Q15B	0.80
C32-40-150-3T	3	40	32	50	150	TD16	M040S100-1	Q15B	0.90

适用 Suitable: 德克刀片 DEREK Insert



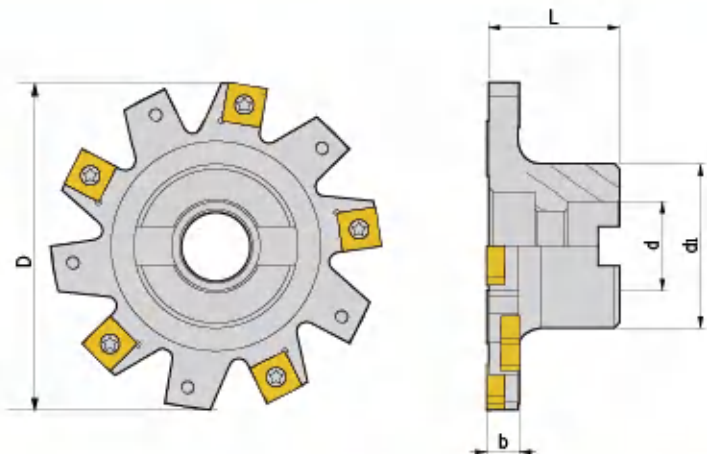
型号 Specification	刃数 Teeth	D	d	H	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
TDCW- 50-22-6T	6	50	22	50	TD16	M040S100-1	Q15B	0.30
63-22-8T	8	63	22	50	TD16	M040S100-1	Q15B	0.50
80-27-10T	10	80	27	50	TD16	M040S100-1	Q20B	1.10

适用 Suitable: 德克刀片 DEREK Insert

注: TDC / TDCW 的切深与切宽请参考以下刀片表格数据。  
Notice: TDC / TDCW cutting depth and width as per below insert data.

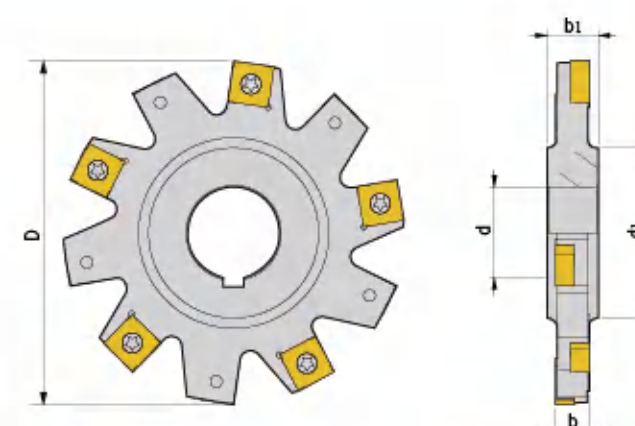
图示 Fig	型号 Specification	S	B	R	刀片材质 Composition	库存 Stock	适用被加工材料 P M K		
	TD16-100	1.00	2.30	0.1	CP5220	▲	P钢	M 不锈钢	K铸铁
	TD16-110	1.10	2.30	0.1	CP5220	▲			
	TD16-130	1.30	2.10	0.1	CP5220	▲			
	TD16-150	1.50	2.50	0.1	CP5220	▲			
	TD16-160	1.60	2.50	0.1	CP5220	▲			
	TD16-185	1.85	2.50	0.1	CP5220	▲			
	TD16-200	2.00	2.50	0.1	CP5220	▲			
	TD16-215	2.15	2.70	0.2	CP5220	▲			
	TD16-250	2.50	2.50	0.2	CP5220	▲			
	TD16-265	2.65	2.70	0.2	CP5220	▲			
	TD16-300	3.00	2.80	0.2	CP5220	▲			
	TD16-315	3.15	3.00	0.2	CP5220	▲			
TD16-320	3.20	3.00	0.2	CP5220	▲				

注: ▲ 常备库存      △ 生产计划中      ○ 按订单生产  
Notice: ▲ Excellent (Instock)      △ Good (Instock)      ○ On Request



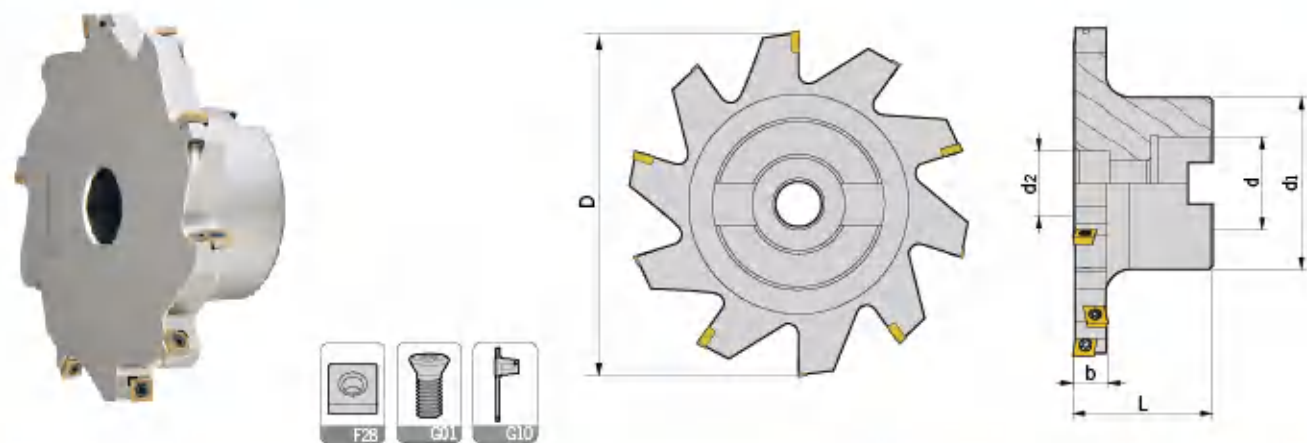
型号 Specification	刃数 Teeth	D	d	d1	b	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>GDC- 80-04B-22</b>	10	80	22	45	4	40	SNFH1125	M030D035-90	Q08B	0.50
<b>80-05B-22</b>	10	80	22	45	5	40	SNFH1135	M030D043-90	Q08B	0.50
<b>80-06B-22</b>	8	80	22	45	6	40	SNFH1235	M040D050-90	Q15B	0.55
<b>80-07B-22</b>	9	80	22	45	7	40	SNFH1235	M040D050-90	Q15B	0.57
<b>80-08B-22</b>	9	80	22	45	8	40	SNFH1235	M040D050-90	Q15B	0.70
<b>80-09B-22</b>	8	80	22	45	9	40	SNFH1255	M040D082-90	Q15B	0.60
<b>80-10B-22</b>	8	80	22	45	10	40	SNFH1255	M040D082-90	Q15B	0.62
<b>80-12B-22</b>	8	80	22	45	12	40	SNFH1275	M040D110-90	Q15B	0.66
<b>80-14B-22</b>	9	80	22	45	14	40	SNFH1275	M040D110-90	Q15B	0.70
<b>100-04B-27</b>	12	100	27	50	4	40	SNFH1125	M030D035-90	Q08B	0.67
<b>100-05B-27</b>	12	100	27	50	5	40	SNFH1135	M030D043-90	Q08B	0.70
<b>100-06B-27</b>	10	100	27	50	6	40	SNFH1135	M040D050-90	Q15B	0.73
<b>100-07B-27</b>	9	100	27	50	7	40	SNFH1135	M040D050-90	Q15B	0.76
<b>100-08B-27</b>	9	100	27	50	8	40	SNFH1135	M040D050-90	Q15B	0.80
<b>100-09B-27</b>	10	100	27	50	9	40	SNFH1255	M040D082-90	Q15B	0.84
<b>100-10B-27</b>	10	100	27	50	10	40	SNFH1255	M040D082-90	Q15B	0.88
<b>100-12B-27</b>	10	100	27	50	12	40	SNFH1275	M040D110-90	Q15B	0.92
<b>100-14B-27</b>	9	100	27	50	14	40	SNFH1275	M040D110-90	Q15B	0.98
<b>125-04B-32</b>	14	125	32	70	4	45	SNFH1125	M030D035-90	Q08B	1.30
<b>125-05B-32</b>	14	125	32	70	5	45	SNFH1235	M030D043-90	Q08B	1.40
<b>125-06B-32</b>	12	125	32	70	6	45	SNFH1235	M040D050-90	Q15B	1.45
<b>125-07B-32</b>	12	125	32	70	7	45	SNFH1235	M040D050-90	Q15B	1.50
<b>125-08B-32</b>	12	125	32	70	8	45	SNFH1235	M040D050-90	Q15B	1.55
<b>125-09B-32</b>	12	125	32	70	9	45	SNFH1255	M040D082-90	Q15B	1.60
<b>125-10B-32</b>	12	125	32	70	10	45	SNFH1255	M040D082-90	Q15B	1.65
<b>125-12B-32</b>	12	125	32	70	12	45	SNFH1275	M040D110-90	Q15B	1.75
<b>125-14B-32</b>	12	125	32	70	14	45	SNFH1275	M040D110-90	Q15B	1.85
<b>160-06B-40</b>	16	160	40	42	6	50	SNFH1235	M040D050-90	Q15B	2.60
<b>160-07B-40</b>	15	160	40	42	7	50	SNFH1235	M040D050-90	Q15B	2.80
<b>160-08B-40</b>	15	160	40	42	8	50	SNFH1235	M040D050-90	Q15B	3.00
<b>160-09B-40</b>	16	160	40	42	9	50	SNFH1255	M040D082-90	Q15B	3.20
<b>160-10B-40</b>	16	160	40	42	10	50	SNFH1255	M040D082-90	Q15B	3.40
<b>160-12B-40</b>	16	160	40	42	12	50	SNFH1275	M040D110-90	Q15B	3.60
<b>160-14B-40</b>	15	160	40	42	14	50	SNFH1275	M040D110-90	Q15B	3.80

适用 Suitable: 德克刀片 DEREK Insert



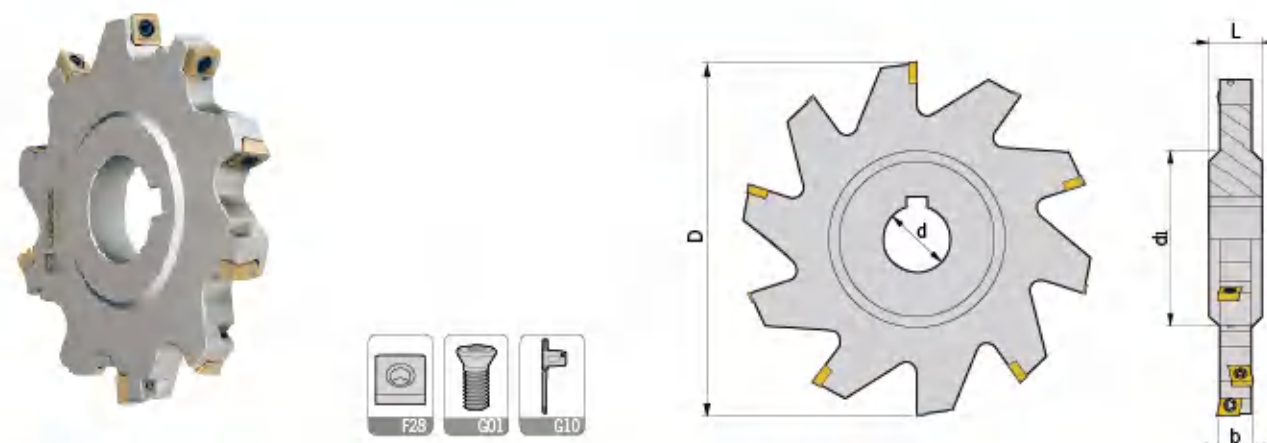
型号 Specification	刃数 Teeth	D	d	d1	b	b1	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
<b>SDC- 63-04B-22</b>	8	63	22	38	4	8	SNFH1125	M030D035-90	Q08B	0.27
<b>63-05B-22</b>	8	63	22	38	5	8	SNFH1135	M030D043-90	Q08B	0.28
<b>63-06B-22</b>	6	63	22	38	6	8	SNFH1235	M040D050-90	Q15B	0.28
<b>63-08B-22</b>	6	63	22	38	8	8	SNFH1235	M040D050-90	Q15B	0.30
<b>80-04B-22</b>	10	80	22	38	4	8	SNFH1125	M030D035-90	Q08B	0.31
<b>80-05B-22</b>	10	80	22	38	5	8	SNFH1135	M030D043-90	Q08B	0.44
<b>80-06B-22</b>	8	80	22	38	6	8	SNFH1235	M040D050-90	Q15B	0.35
<b>80-08B-22</b>	9	80	22	38	8	8	SNFH1235	M040D050-90	Q15B	0.36
<b>100-04B-27</b>	12	100	27	41	4	12	SNFH1125	M030D035-90	Q08B	0.38
<b>100-05B-27</b>	12	100	27	41	5	12	SNFH1135	M030D043-90	Q08B	0.44
<b>100-06B-27</b>	10	100	27	41	6	12	SNFH1235	M040D050-90	Q15B	0.46
<b>100-08B-27</b>	9	100	27	41	8	12	SNFH1235	M040D050-90	Q15B	0.54
<b>100-10B-27</b>	10	100	27	41	10	12	SNFH1255	M040D082-90	Q15B	0.65
<b>100-12B-27</b>	10	100	27	41	12	12	SNFH1275	M040D110-90	Q15B	0.75
<b>125-06B-32</b>	12	125	32	47	6	12	SNFH1235	M040D050-90	Q15B	0.69
<b>125-08B-32</b>	12	125	32	47	8	12	SNFH1235	M040D050-90	Q15B	0.81
<b>125-10B-32</b>	12	125	32	47	10	12	SNFH1255	M040D082-90	Q15B	0.94
<b>125-12B-32</b>	12	125	32	47	12	12	SNFH1275	M040D110-90	Q15B	1.05
<b>125-14B-32</b>	12	125	32	47	14	12	SNFH1275	M040D110-90	Q15B	1.20
<b>160-06B-40</b>	16	160	40	54	6	12	SNFH1235	M040D050-90	Q15B	1.04
<b>160-08B-40</b>	15	160	40	54	8	12	SNFH1235	M040D050-90	Q15B	1.28
<b>160-10B-40</b>	16	160	40	54	10	12	SNFH1255	M040D082-90	Q15B	1.50
<b>160-12B-40</b>	16	160	40	54	12	12	SNFH1275	M040D110-90	Q15B	1.70
<b>160-14B-40</b>	15	160	40	54	14	16	SNFH1275	M040D110-90	Q15B	1.90

适用 Suitable: 德克刀片 DEREK Insert



型号 Specification	刃数 Teeth	D	d	d1	d2	b	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
CDC-080-06B-22	8	80	22	44	32	6	40	SPMT050204	M020D040	Q06R	0.68
080-07B-22	8	80	22	44	32	7	40	SPMT050204	M020D040	Q06R	0.70
080-08B-22	8	80	22	44	32	8	40	SPMT060204	M022D050	Q06R	0.73
080-09B-22	8	80	22	44	32	9	40	SPMT060204	M022D050	Q06R	0.75
080-10B-22	8	80	22	44	32	10	40	SPMT060204	M022D050	Q06R	0.80
080-11B-22	8	80	22	44	32	11	40	SPMT07T308	M025D060	Q06R	0.85
080-12B-22	8	80	22	44	32	12	40	SPMT07T308	M025D060	Q06R	0.90
100-06B-27	10	100	27	50	32	6	40	SPMT050204	M020D040	Q06R	0.90
100-07B-27	10	100	27	50	32	7	40	SPMT050204	M020D040	Q06R	0.93
100-08B-27	10	100	27	50	32	8	40	SPMT060204	M022D050	Q06R	0.96
100-09B-27	10	100	27	50	32	9	40	SPMT060204	M022D050	Q06R	1.00
100-10B-27	10	100	27	50	32	10	40	SPMT060204	M022D050	Q06R	1.03
100-11B-27	10	100	27	50	32	11	40	SPMT07T308	M025D060	Q08B	1.05
100-12B-27	10	100	27	50	32	12	40	SPMT07T308	M025D060	Q08B	1.10
100-14B-27	10	100	27	50	32	14	40	SPMT090408	M035D090	Q15B	1.30
100-16B-27	10	100	27	50	32	16	40	SPMT090408	M035D090	Q15B	1.50
125-06B-32	12	125	32	70	46	6	45	SPMT050204	M020D040	Q06R	1.50
125-07B-32	12	125	32	70	46	7	45	SPMT050204	M020D040	Q06R	1.55
125-08B-32	12	125	32	70	46	8	45	SPMT060204	M022D050	Q06R	1.60
125-10B-32	12	125	32	70	46	10	45	SPMT060204	M022D050	Q06R	1.70
125-11B-32	12	125	32	70	46	11	45	SPMT07T308	M025D060	Q08B	1.70
125-12B-32	12	125	32	70	46	12	45	SPMT07T308	M025D060	Q08B	1.70
125-14B-32	12	125	32	70	46	14	45	SPMT090408	M035D090	Q15B	1.75
125-16B-32	12	125	32	70	46	16	45	SPMT090408	M035D090	Q15B	1.80
125-18B-32	10	125	32	70	46	18	45	SPMT110408	M040D090	Q15B	1.85
125-20B-32	10	125	32	70	46	20	45	SPMT110408	M040D090	Q15B	2.00
125-25B-32	10	125	32	70	46	25	45	SPMT140512	M050D110	Q20B	2.50
160-11B-40	16	160	40	80	52	11	50	SPMT07T308	M025D060	Q08B	2.60
160-12B-40	16	160	40	80	52	12	50	SPMT07T308	M025D060	Q08B	2.70
160-14B-40	16	160	40	80	52	14	50	SPMT090408	M035D090	Q15B	2.80
160-16B-40	16	160	40	80	52	16	50	SPMT090408	M035D090	Q15B	2.90
160-18B-40	12	160	40	80	52	18	50	SPMT110408	M040D090	Q15B	2.90
160-20B-40	12	160	40	80	52	20	50	SPMT110408	M040D090	Q15B	3.20
160-25B-40	12	160	40	80	52	25	50	SPMT140512	M050D110	Q20B	3.50
200-14B-40	18	200	40	90	52	14	50	SPMT090408	M035D090	Q15B	4.20
200-16B-40	18	200	40	90	52	16	50	SPMT090408	M035D090	Q15B	4.50
200-18B-40	14	200	40	90	52	18	50	SPMT110408	M040D090	Q15B	4.90
200-20B-40	14	200	40	90	52	20	50	SPMT110408	M040D090	Q15B	5.20
200-25B-40	14	200	40	90	52	25	50	SPMT140512	M050D110	Q20B	5.50

适用 Suitable: 德克刀片 DEREK Insert

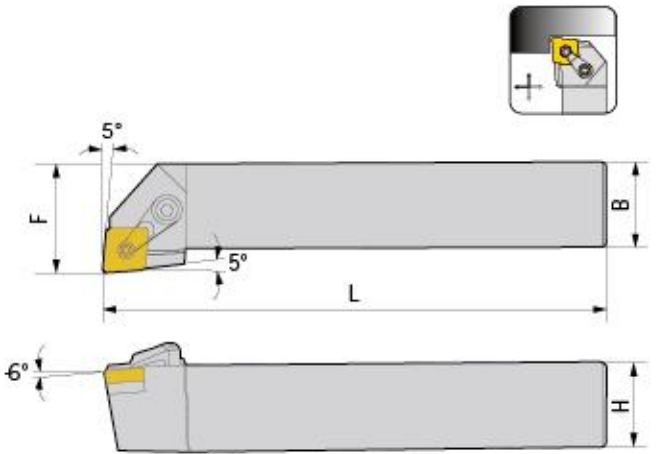


型号 Specification	刃数 Teeth	D	d	d1	b	L	刀片 Insert	刀片螺钉 Insert screw	旗形扳手 Wrench	重量 Weight
WDC-80-06B-22	8	80	22	44	6	12	SPMT050204	M020D040	Q06R	0.29
80-07B-22	8	80	22	44	7	12	SPMT050204	M020D040	Q06R	0.30
80-08B-22	8	80	22	44	8	12	SPMT060204	M022D050	Q06R	0.32
80-09B-22	8	80	22	44	9	12	SPMT060204	M022D050	Q06R	0.35
80-10B-22	8	80	22	44	10	12	SPMT060204	M022D050	Q06R	0.38
80-11B-22	8	80	22	44	11	12	SPMT07T308	M025D060	Q08B	0.39
80-12B-22	8	80	22	44	12	12	SPMT07T308	M025D060	Q08B	0.42
100-06B-27	10	100	27	50	6	12	SPMT050204	M020D040	Q06R	0.50
100-07B-27	10	100	27	50	7	12	SPMT050204	M020D040	Q06R	0.52
100-08B-27	10	100	27	50	8	12	SPMT060204	M022D050	Q06R	0.54
100-09B-27	10	100	27	50	9	12	SPMT060204	M022D050	Q06R	0.60
100-10B-27	10	100	27	50	10	12	SPMT07T308	M025D060	Q08B	0.65
100-11B-27	10	100	27	50	11	12	SPMT07T308	M025D060	Q08B	0.70
100-12B-27	10	100	27	50	12	12	SPMT07T308	M025D060	Q08B	0.75
100-14B-27	10	100	27	50	14	16	SPMT090408	M035D090	Q15B	0.85
100-16B-27	10	100	27	50	16	16	SPMT090408	M035D090	Q15B	0.88
125-06B-32	12	125	32	65	6	12	SPMT050204	M020D040	Q06R	0.70
125-07B-32	12	125	32	65	7	12	SPMT050204	M020D040	Q06R	0.75
125-08B-32	12	125	32	65	8	12	SPMT060204	M022D050	Q06R	0.80
125-10B-32	12	125	32	65	10	12	SPMT060204	M022D050	Q06R	0.88
125-11B-32	12	125	32	65	11	12	SPMT07T308	M025D060	Q08B	0.93
125-12B-32	12	125	32	65	12	12	SPMT07T308	M025D060	Q08B	0.98
125-14B-32	12	125	32	65	14	16	SPMT090408	M035D090	Q15B	1.00
125-16B-32	12	125	32	65	16	16	SPMT090408	M035D090	Q15B	1.18
125-18B-32	10	125	32	65	18	20	SPMT110408	M040D090	Q15B	1.30
125-20B-32	10	125	32	65	20	20	SPMT110408	M040D090	Q15B	1.45
125-25B-32	10	125	32	65	25	25	SPMT140512	M050D110	Q20B	1.70
160-11B-40	16	160	40	75	11	12	SPMT07T308	M025D060	Q08B	1.65
160-12B-40	16	160	40	75	12	12	SPMT07T308	M025D060	Q08B	1.70
160-14B-40	16	160	40	75	14	16	SPMT090408	M035D090	Q15B	1.85
160-16B-40	16	160	40	75	16	16	SPMT090408	M035D090	Q15B	2.10
160-18B-40	12	160	40	75	18	20	SPMT110408	M040D090	Q15B	2.50
160-20B-40	12	160	40	75	20	20	SPMT110408	M040D090	Q15B	2.80
160-25B-40	12	160	40	75	25	25	SPMT140512	M050D110	Q20B	3.00
200-14B-40	18	200	40	80	14	16	SPMT090408	M035D090	Q15B	3.00
200-16B-40	18	200	40	80	16	16	SPMT090408	M035D090	Q15B	3.20
200-18B-40	14	200	40	80	18	20	SPMT110408	M040D090	Q15B	3.60
200-20B-40	14	200	40	80	20	20	SPMT110408	M040D090	Q15B	4.10
200-25B-40	14	200	40	80	25	25	SPMT140512	M050D110	Q20B	4.60

适用 Suitable: 德克刀片 DEREK Insert

# Type M

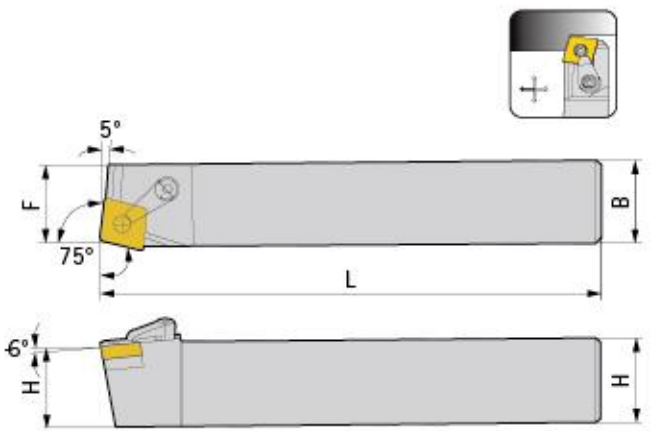
MCLNR/L



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MCLNR/L 1616H12	16	16	100	20	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
2020K12	20	20	125	25	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
2525M12	25	25	150	32	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
3232P12	32	32	170	40	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03

适用 Suitable: 德克刀片 DEREK Insert

MCBNR/L



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MCBNR/L 2020K12	20	20	125	17	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
2525M12	25	25	150	22	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
3232P12	32	32	170	27	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
3232P16	32	32	170	27	CN..1606..	MC1604	MX0822	MY0823	ML0828	L03,L04
3232P19	32	32	170	27	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04

适用 Suitable: 德克刀片 DEREK Insert

车刀系列  
Turning tools

外圆车刀  
External turning tool

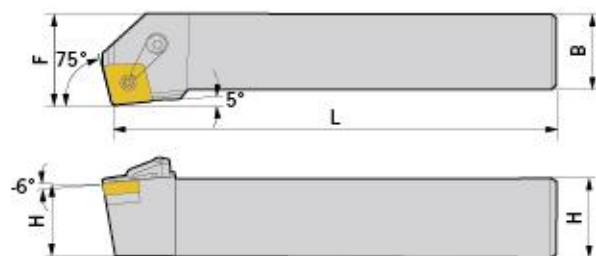
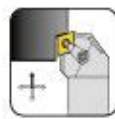
内孔车刀  
Internal turning tool

螺纹车刀  
Threading tool

切槽车刀  
Grooving tool

# Type M

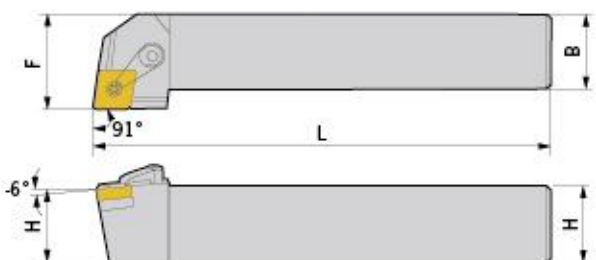
MCKNR/L



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MCKNR/L 2020K12	20	20	125	25	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
2525M12	25	25	150	32	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
3232P12	32	32	170	40	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
3232P16	32	32	170	40	CN..1606..	MC1604	MX0822	MY0823	ML0828	L03,L04
3232P19	32	32	170	40	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04

适用 Suitable:德克刀片 DEREK Insert

MCGNR/L



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MCGNR/L 2020K12	20	20	125	25	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
2525M12	25	25	150	32	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
3232P12	32	32	170	40	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03

适用 Suitable:德克刀片 DEREK Insert

# Type M

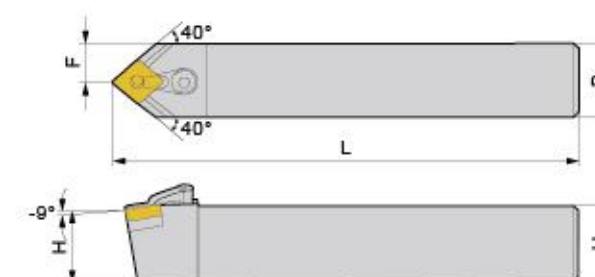
MCSNR/L



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MCSNR/L 2525M12	25	25	150	32	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03

适用 Suitable:德克刀片 DEREK Insert

MCMNN

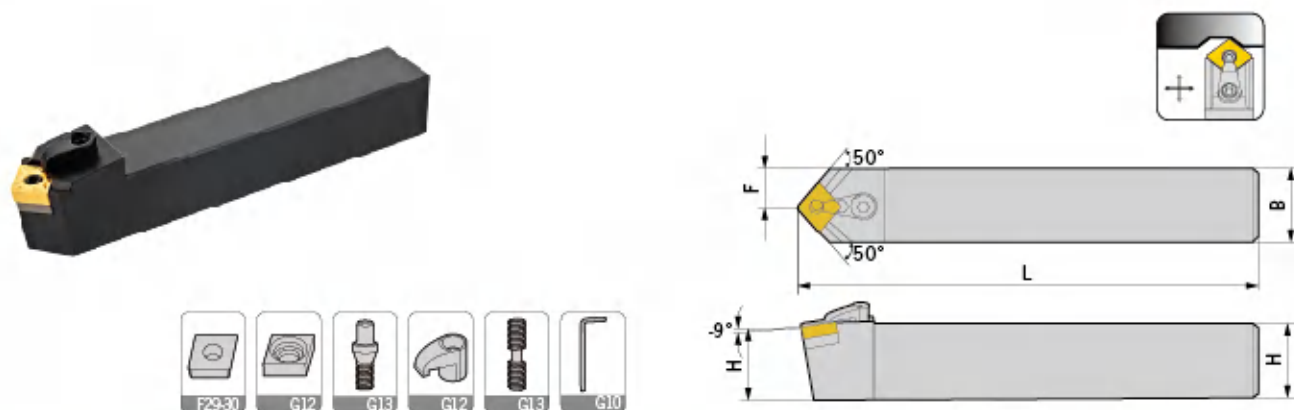


型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MCMNN 2020K12	20	20	125	10	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
2525M12	25	25	150	12.5	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
3232P12	32	32	170	16	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
2525M16	25	25	150	12.5	CN..1606..	MC1604	MX0822	MY0823	ML0828	L03,L04
3232P19	32	32	170	16	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04

适用 Suitable:德克刀片 DEREK Insert

# Type M

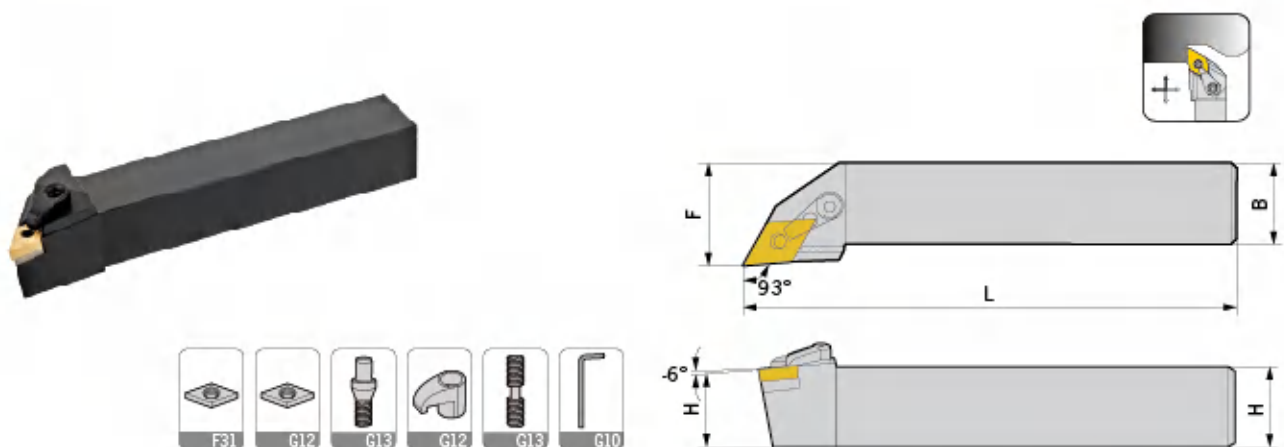
MCMNN-40



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MCMNN 2020K12-40	20	20	125	10	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
2525M12-40	25	25	150	12.5	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03

适用 Suitable: 德克刀片 DEREK Insert

## MDJNR/L

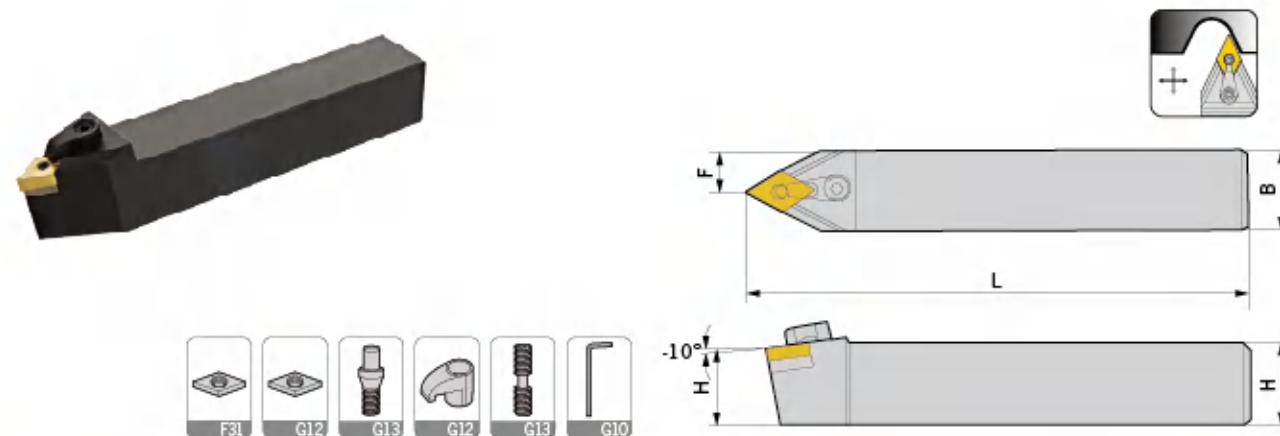


型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MDJNR/L 1616H11	16	16	100	20	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
2020K11	20	20	125	25	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
2525M11	25	25	150	32	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
2020K15	20	20	125	25	DN..1504..	MD1506	MX0619	MY0621	ML0625	L025,L03
2525M15	25	25	150	32	DN..1504..	MD1506	MX0619	MY0621	ML0625	L025,L03
3232P15	32	32	170	40	DN..1506..	MD1504	MX0619	MY0621	ML0625	L025,L03

适用 Suitable: 德克刀片 DEREK Insert

# Type M

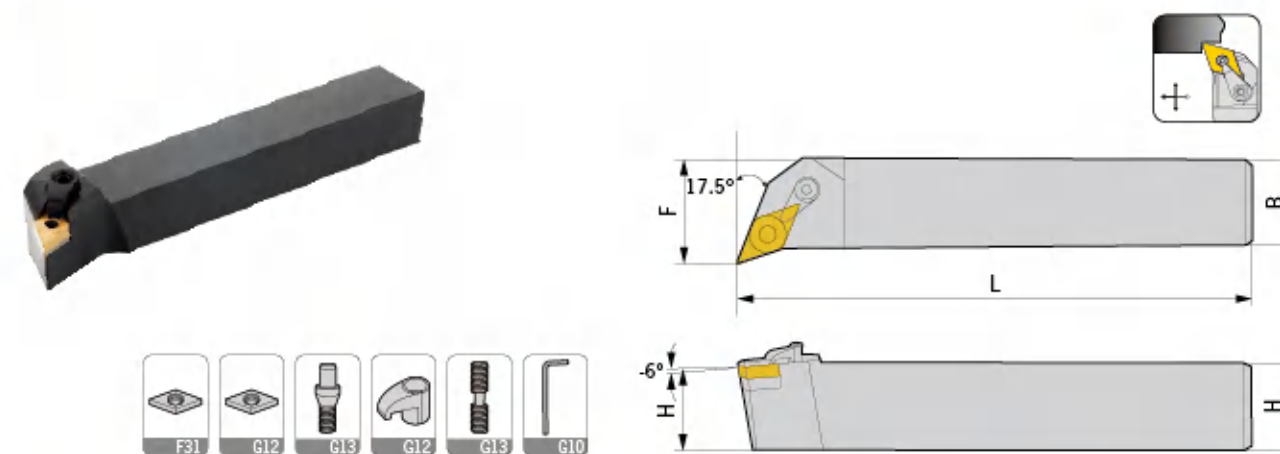
MDPNN



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MDPNN 1616H11	16	16	100	8	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
2020K11	20	20	125	10	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
2525M11	25	25	150	12.5	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
2020K15	20	20	125	10	DN..1504..	MD1506	MX0619	MY0621	ML0625	L025,L03
2525M15	25	25	150	12.5	DN..1504..	MD1506	MX0619	MY0621	ML0625	L025,L03
3232P15	32	32	170	16	DN..1506..	MD1504	MX0619	MY0621	ML0625	L025,L03

适用 Suitable: 德克刀片 DEREK Insert

## MDQNR/L

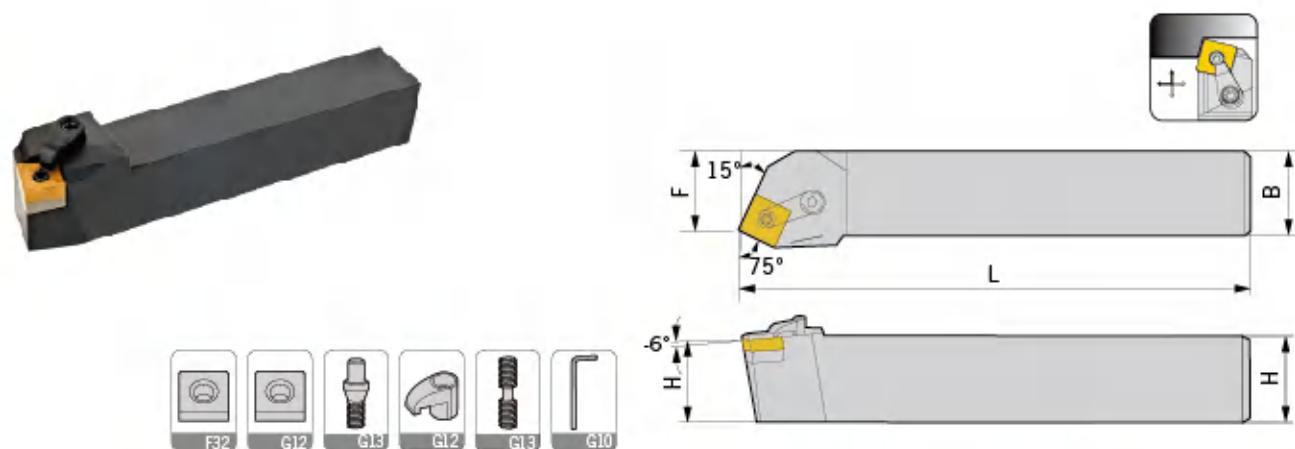


型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MDQNR/L 1616H11	16	16	100	20	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
2020K11	20	20	125	25	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
2525M11	25	25	150	32	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
2020K15	20	20	125	25	DN..1504..	MD1506	MX0619	MY0621	ML0625	L025,L03
2525M15	25	25	150	32	DN..1504..	MD1506	MX0619	MY0621	ML0625	L025,L03
3232P15	32	32	170	40	DN..1506..	MD1504	MX0619	MY0621	ML0625	L025,L03

适用 Suitable: 德克刀片 DEREK Insert

# Type M

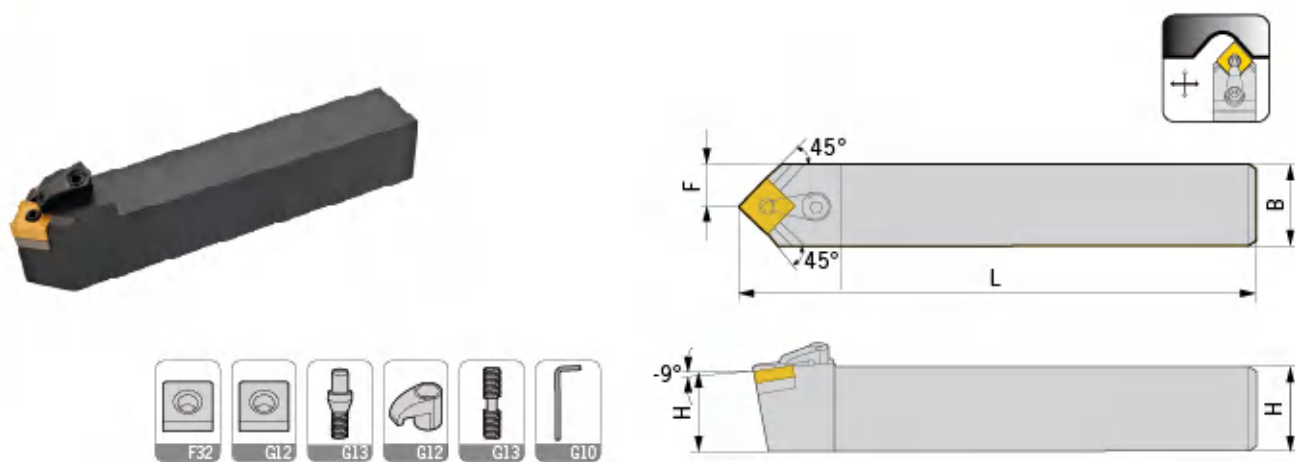
MSBNR/L



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MSBNR/L 2020K12	22	22	125	17	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
2525M12	25	25	150	22	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
3232P12	32	32	170	27	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
2525M15	25	25	150	22	SN..1506..	MS1504	MX0822	MY0823	ML0828	L03,L04
3232P15	32	32	170	27	SN..1506..	MS1504	MX0822	MY0823	ML0828	L03,L04
3232P19	32	32	170	27	SN..1906..	MS1904	MX1022	MY0823	ML0828	L04
4040R19	40	40	200	35	SN..1906..	MS1904	MX1022	MY0823	ML0828	L04

适用 Suitable:德克刀片 DEREK Insert

MSDNN

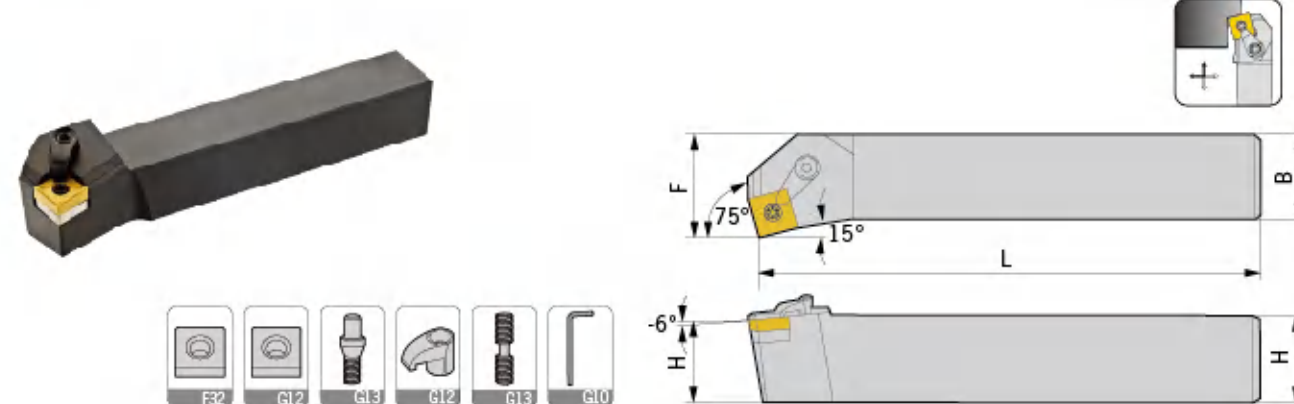


型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MSDNN 1616H12	16	16	100	8	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
2020K12	20	20	125	10	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
2525M12	25	25	150	12.5	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
3232P12	32	32	170	16	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
2525M15	25	25	150	12.5	SN..1506..	MS1504	MX0822	MY0823	ML0828	L03,L04
3232P15	32	32	170	16	SN..1506..	MS1504	MX0822	MY0823	ML0828	L03,L04
3232P19	32	32	170	16	SN..1906..	MS1904	MX1022	MY0823	ML0828	L04

适用 Suitable:德克刀片 DEREK Insert

# Type M

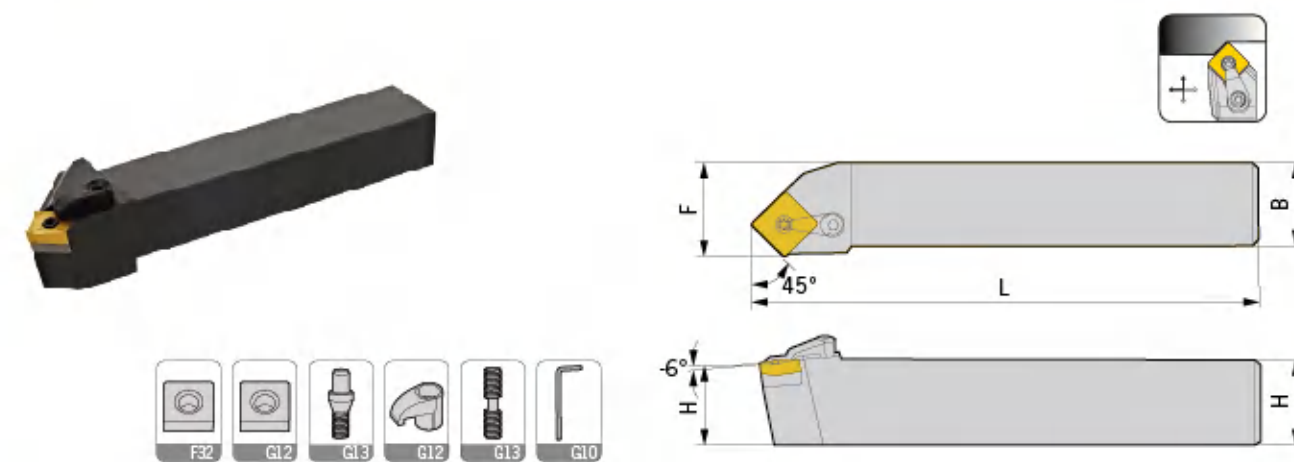
MSKNR/L



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MSKNR/L 2020K12	20	20	125	25	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
2525M12	25	25	150	32	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
3232P12	32	32	170	40	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
2525M15	25	25	150	32	SN..1506..	MS1504	MX0822	MY0823	ML0828	L03,L04
3232P19	32	32	170	40	SN..1906..	MS1904	MX1022	MY0823	ML0828	L04

适用 Suitable:德克刀片 DEREK Insert

MSSNR/L

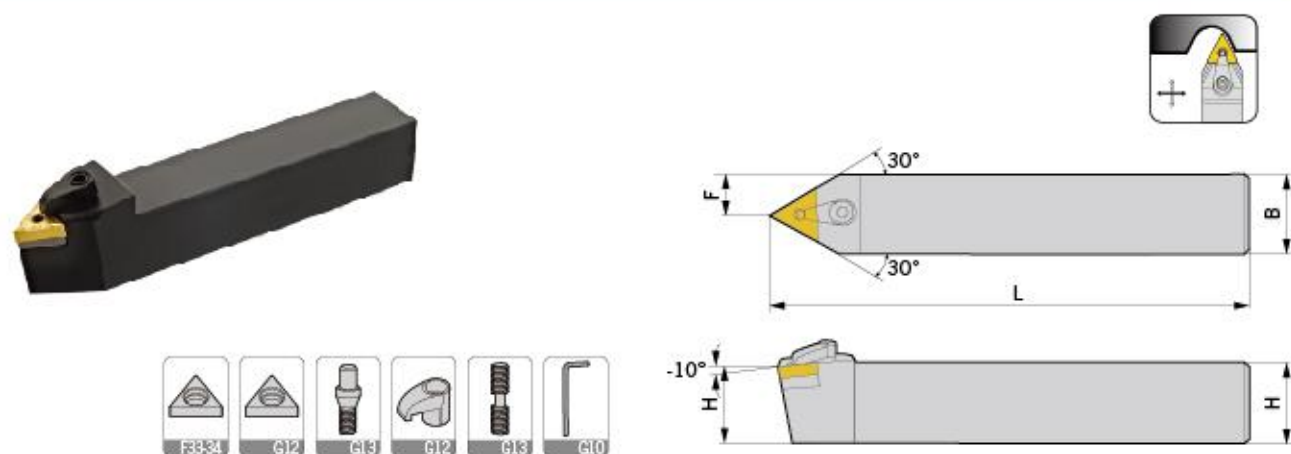


型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MSSNR/L 1616H12	16	16	100	20	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
2020K12	20	20	125	25	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
2525M12	25	25	150	32	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
3232P12	32	32	170	40	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
2525M15	25	25	150	32	SN..1506..	MS1504	MX0822	MY0823	ML0828	L03,L04
3232P19	32	32	170	40	SN..1906..	MS1904	MX1022	MY0823	ML0828	L04

适用 Suitable:德克刀片 DEREK Insert

# Type M

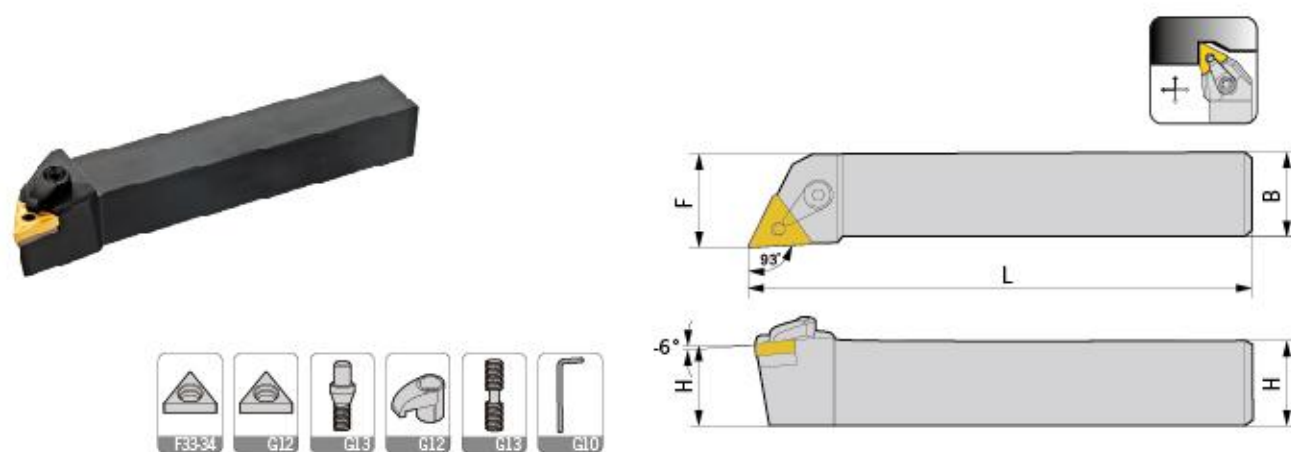
MTENN



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MTENN 2020K16	20	20	125	10	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
2525M16	25	25	150	12.5	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
3232P16	32	32	170	16	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
2525M22	25	25	150	12.5	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04
3232P22	32	32	170	16	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04

适用 Suitable: 德克刀片 DEREK Insert

MTJNR/L

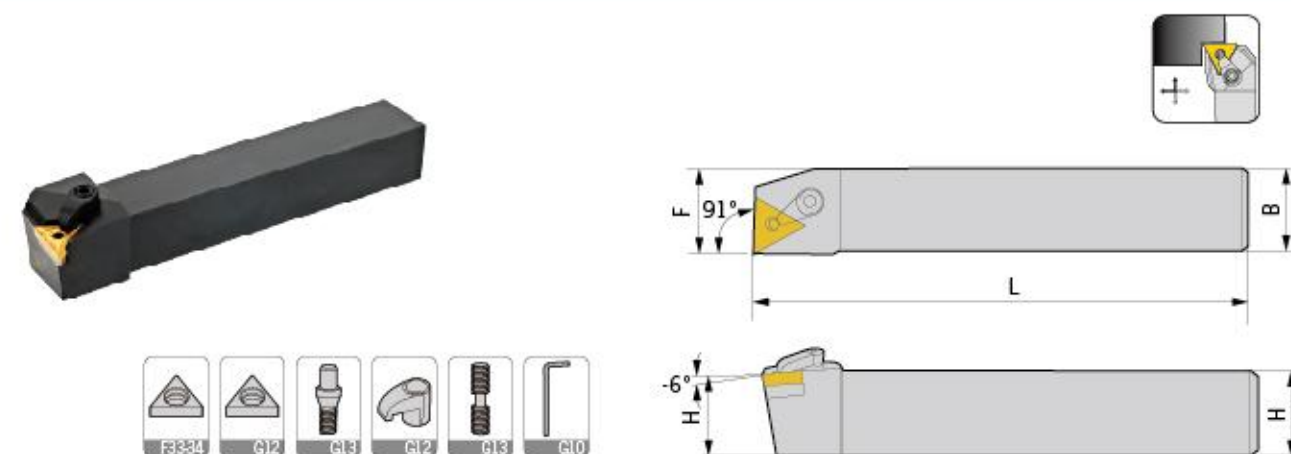


型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MTJNR/L 1616H16	16	16	100	20	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
2020K16	20	20	125	25	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
2525M16	25	25	150	32	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
3232P16	32	32	170	40	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
2525M22	25	25	150	32	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04
3232P22	32	32	170	40	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04

适用 Suitable: 德克刀片 DEREK Insert

# Type M

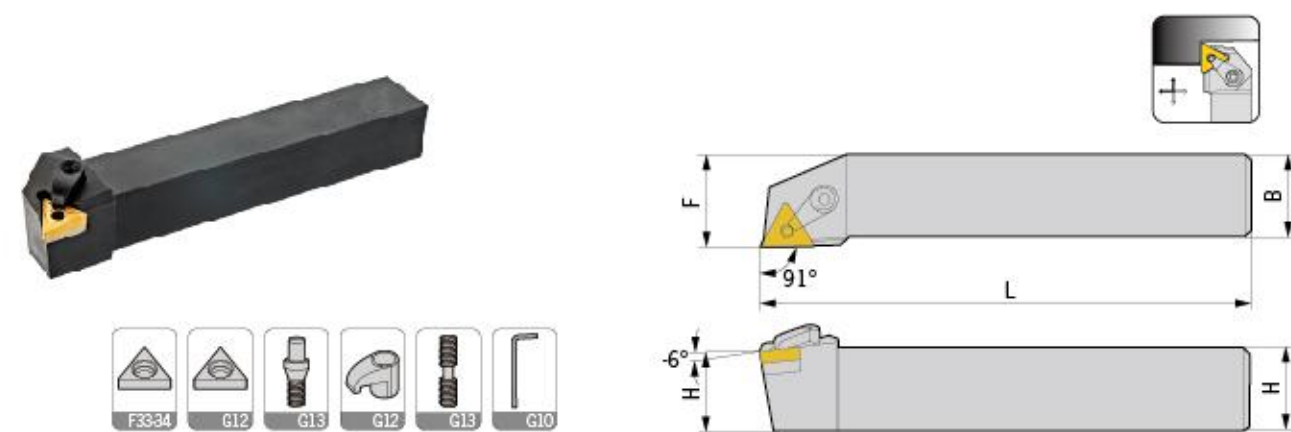
MTFNR/L



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MTFNR/L 1616H16	16	16	100	20	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
2020K16	20	20	125	25	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
2525M16	25	25	150	32	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03

适用 Suitable: 德克刀片 DEREK Insert

MTGNR/L

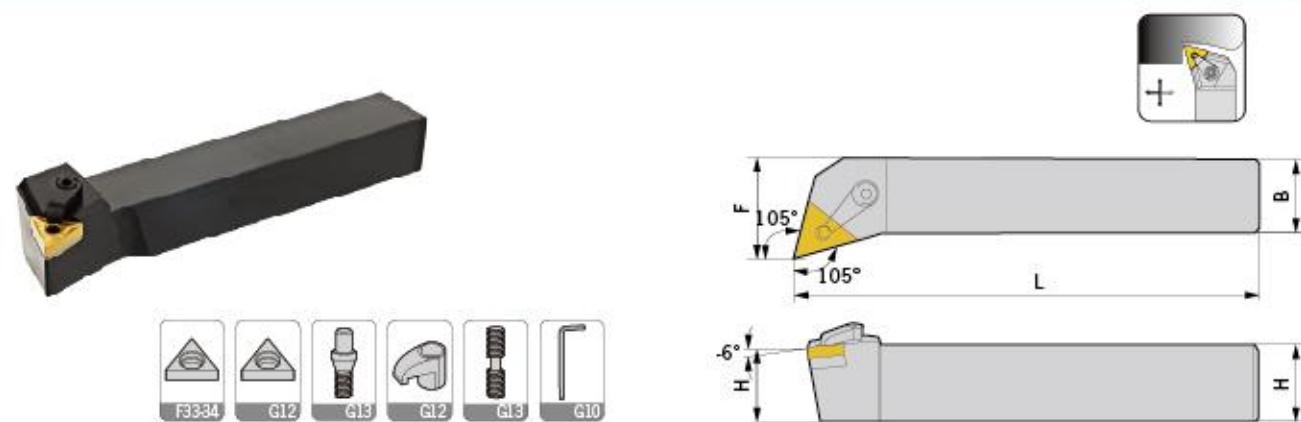


型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MTGNR/L 1616H16	16	16	100	20	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
2020K16	20	20	125	25	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
2525M16	25	25	150	32	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03

适用 Suitable: 德克刀片 DEREK Insert

# Type M

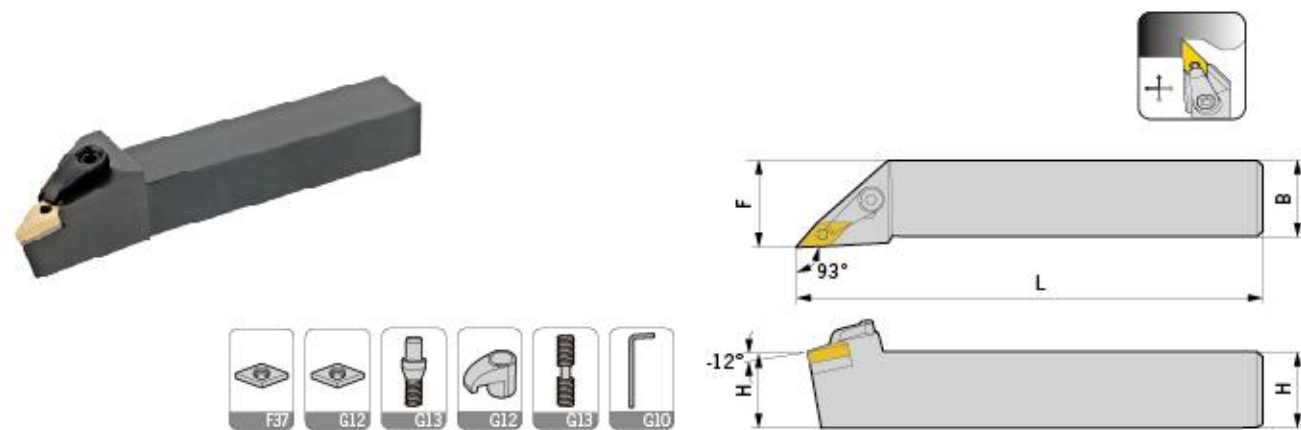
MTQNR/L



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MTQNR/L 2020K16	20	20	125	25	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
2525M16	25	25	150	32	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
3232P16	32	32	170	40	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
2525M22	25	25	150	32	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04
3232P22	32	32	170	40	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04

适用 Suitable: 德克刀片 DEREK Insert

MVJNR/L

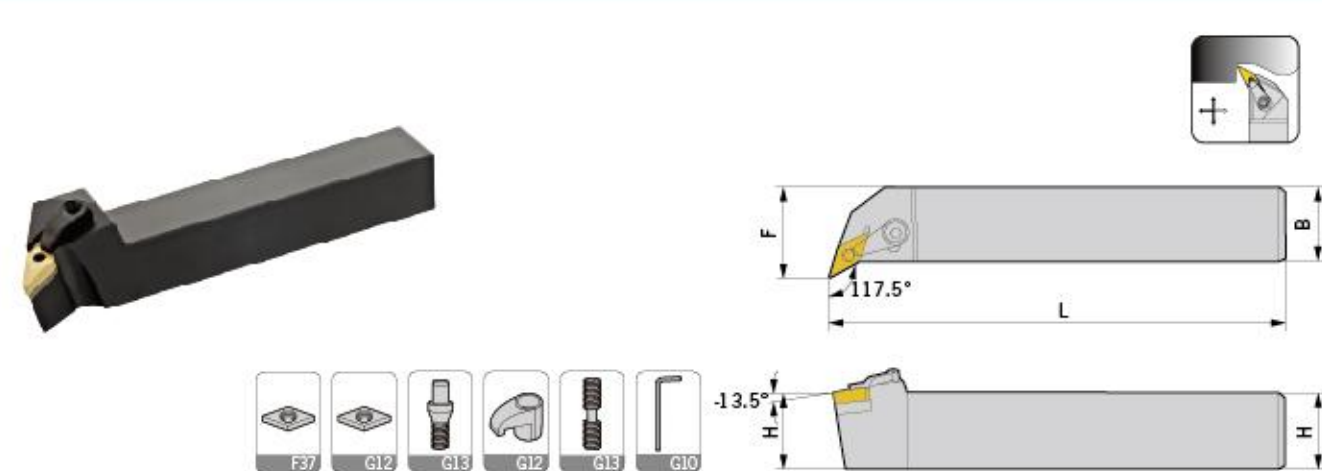


型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MVJNR/L 1616H16	16	16	100	20	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04
2020K16	20	20	125	25	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04
2525M16	25	25	150	32	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04
3232P16	32	32	170	40	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04

适用 Suitable: 德克刀片 DEREK Insert

# Type M

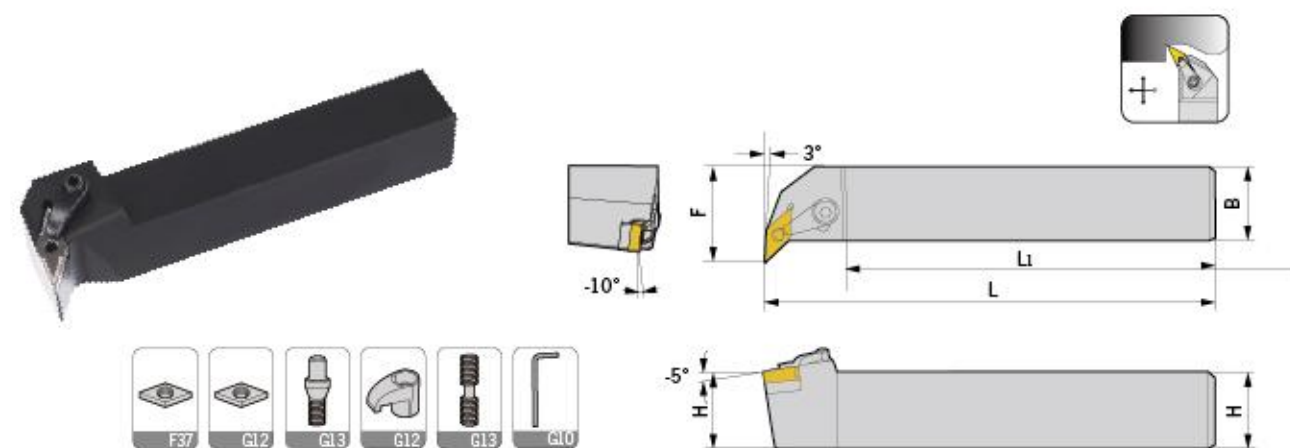
MVQNR/L



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MVQNR/L 2020K16	20	20	125	25	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03
2525M16	25	25	150	32	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03

适用 Suitable: 德克刀片 DEREK Insert

MVUNR/L

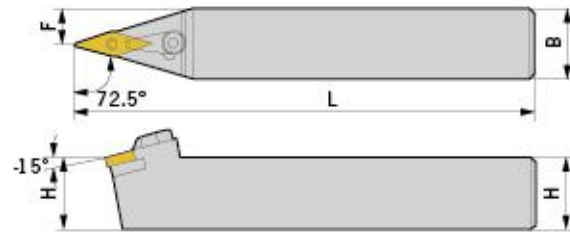


型号 Specification	H	B	L	L1	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MVUNR/L 2020K16	20	20	125	100	31	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03
2525M16	25	25	150	120	36	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03

适用 Suitable: 德克刀片 DEREK Insert

# Type M

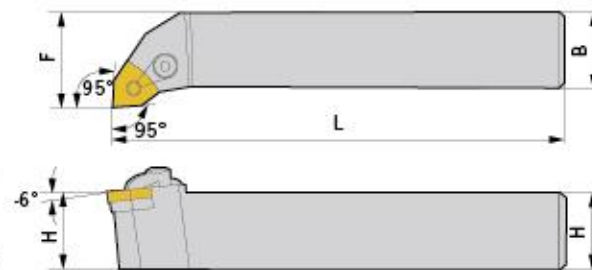
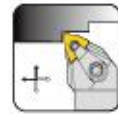
MWNN



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MVNN 2020K16	20	20	125	10	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04
2525M16	25	25	150	12.5	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04
3232P16	32	32	170	16	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04

适用 Suitable: 德克刀片 DEREK Insert

MWLNRL

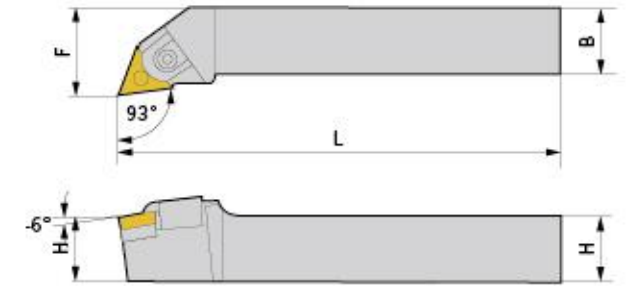


型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench
MWLNRL 1616H06	16	16	100	20	WN..0604..	MW0603	MX0513	MY0619	ML0625	L02,L03
2020K06	20	20	125	25	WN..0604..	MW0603	MX0513	MY0619	ML0625	L02,L03
2525M06	25	25	150	32	WN..0604..	MW0603	MX0513	MY0619	ML0625	L02,L03
1616H08	16	16	100	20	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03
2020K08	20	20	125	25	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03
2525M08	25	25	150	32	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03
3232P08	32	32	170	40	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03
4040R08	40	40	200	50	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03

适用 Suitable: 德克刀片 DEREK Insert

# Type W

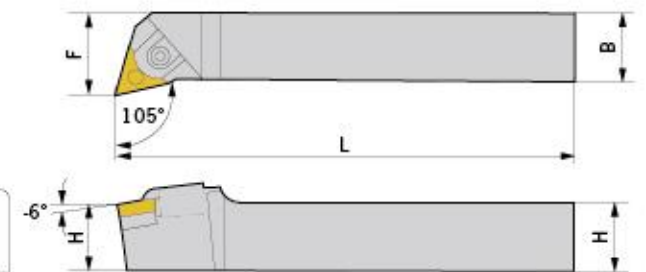
WTJNR/L



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	C型环 C Ring	扳手 Wrench
WTJNR/L 1616H16	16	16	100	20	TN..1604..	MT1603	WX0515	WYT16	WL0625	C6	L025,L04
2020K16	20	20	125	25	TN..1604..	MT1603	WX0515	WYT16	WL0625	C6	L025,L04
2525M16	25	25	150	32	TN..1604..	MT1603	WX0515	WYT16	WL0625	C6	L025,L04
3232P16	32	32	170	40	TN..1604..	MT1603	WX0515	WYT16	WL0625	C6	L025,L04

适用 Suitable: 德克刀片 DEREK Insert

WTQNR/L

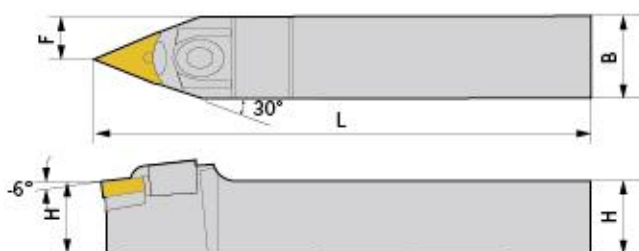
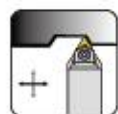


型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	C型环 C Ring	扳手 Wrench
WTQNR/L 2020K16	20	20	125	25	TN..1604..	MT1603	WX0515	WYT16	WL0625	C6	L025,L04
2525M16	25	25	150	32	TN..1604..	MT1603	WX0515	WYT16	WL0625	C6	L025,L04

适用 Suitable: 德克刀片 DEREK Insert

# Type W

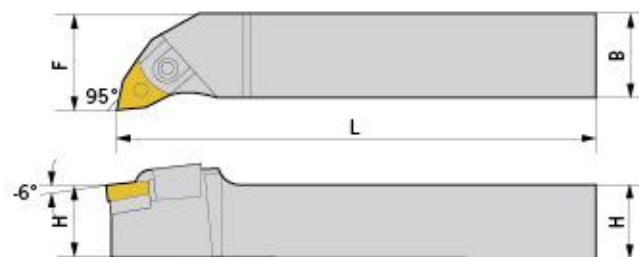
WTENN



型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	C型环 C Ring	扳手 Wrench
WTENN 2020K16	20	20	125	10	TN..1604..	MT1603	WX0515	WYT16	WL0625	C6	L025,L04
2525M16	25	25	150	12.5	TN..1604..	MT1603	WX0515	WYT16	WL0625	C6	L025,L04

适用 Suitable: 德克刀片 DEREK Insert

WWLNR/L

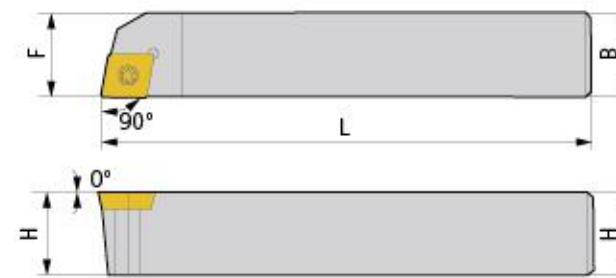


型号 Specification	H	B	L	F	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	C型环 C Ring	扳手 Wrench
WWLNR/L 2020K08	20	20	125	25	WN..0804..	MW0804	WX0618	WYW08	WL0825	C8	L03,L04
2525M08	25	25	150	32	WN..0804..	MW0804	WX0618	WYW08	WL0825	C8	L03,L04
3232P08	32	32	170	40	WN..0804..	MW0804	WX0618	WYW08	WL0825	C8	L03,L04

适用 Suitable: 德克刀片 DEREK Insert

# Type S

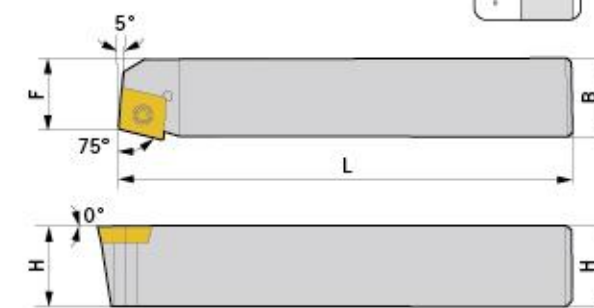
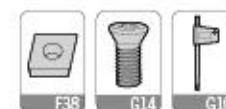
SCACR/L



型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SCACR/L 1010E06	10	10	70	10	CC..0602..	M2.5*7	Q08
1212F06	12	12	80	12	CC..0602..	M2.5*7	Q08
1212F09	12	12	80	12	CC..09T3..	M3.5*9	Q15

适用 Suitable: 德克刀片 DEREK Insert

SCBCR/L

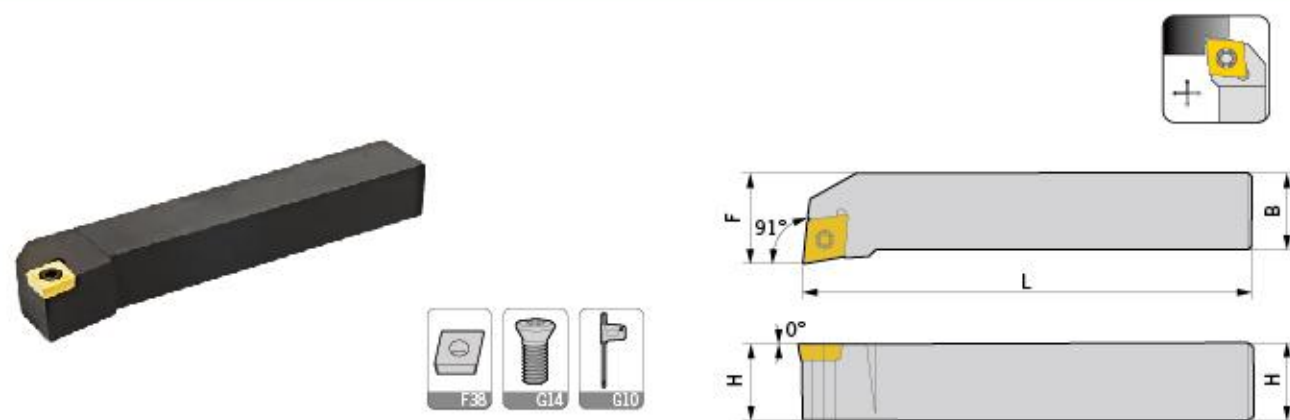


型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SCBCR/L 1212H09	12	12	100	10	CC..09T3..	M3.5*9	Q15
1616H09	16	16	100	13	CC..09T3..	M3.5*9	Q15
2020K09	20	20	125	17	CC..09T3..	M3.5*9	Q15
2525M09	25	25	150	22	CC..09T3..	M3.5*9	Q15
2020K12	20	20	125	17	CC..1204..	M5*12	Q20
2525M12	25	25	150	22	CC..1204..	M5*12	Q20

适用 Suitable: 德克刀片 DEREK Insert

# Type S

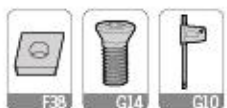
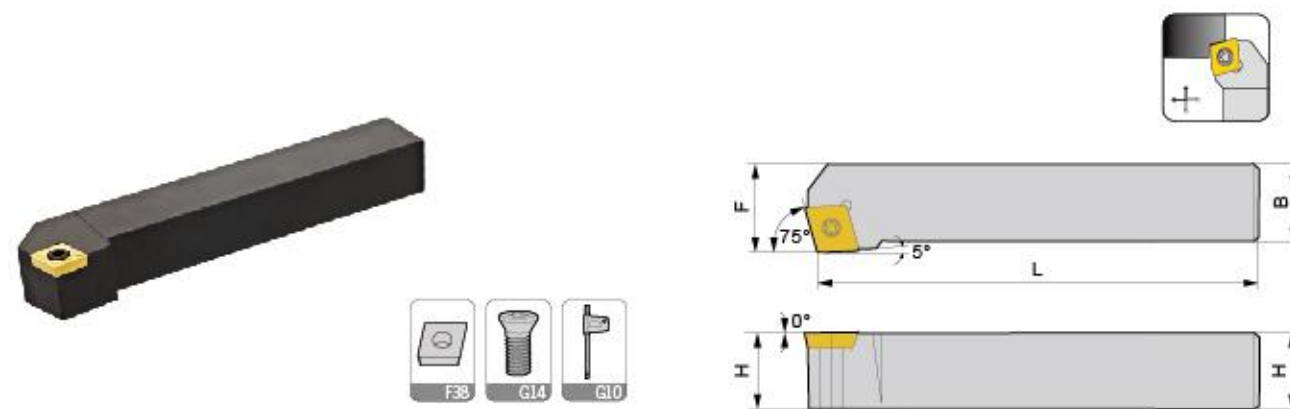
SCFCR/L



型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SCFCR/L 1212F09	12	12	80	16	CC..09T3..	M3.5*9	Q15
1616H09	16	16	100	20	CC..09T3..	M3.5*9	Q15
2020K09	20	20	125	25	CC..09T3..	M3.5*9	Q15
2525M09	25	25	150	32	CC..09T3..	M3.5*9	Q15
2525M12	25	25	150	32	CC..1204..	M5*12	Q20

适用 Suitable: 德克刀片 DEREK Insert

SCKCR/L

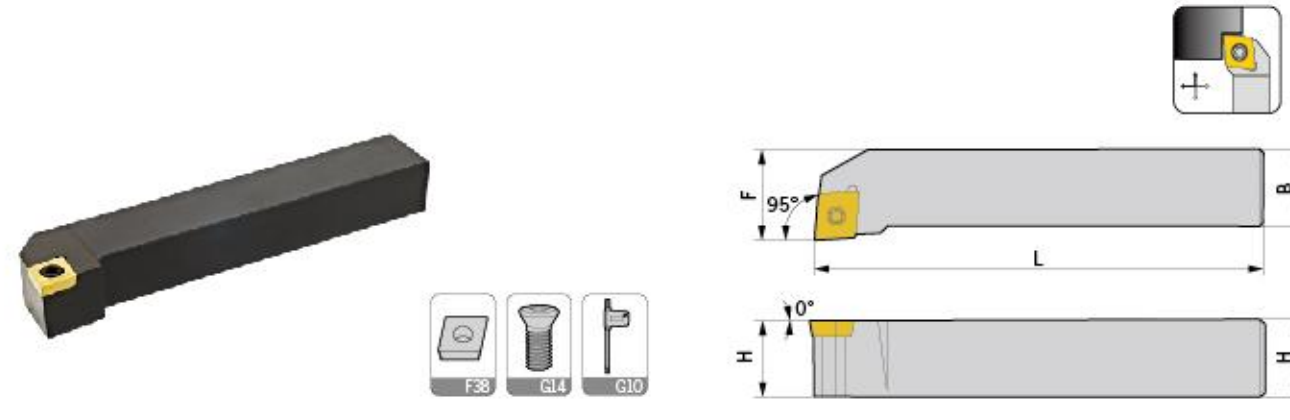


型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SCKCR/L 2020K09	20	20	125	25	CC..09T3..	M3.5*9	Q15
2525M09	25	25	150	32	CC..09T3..	M3.5*9	Q15
2020K12	20	20	125	25	CC..1204..	M5*12	Q20
2525M12	25	25	150	32	CC..1204..	M5*12	Q20

适用 Suitable: 德克刀片 DEREK Insert

# Type S

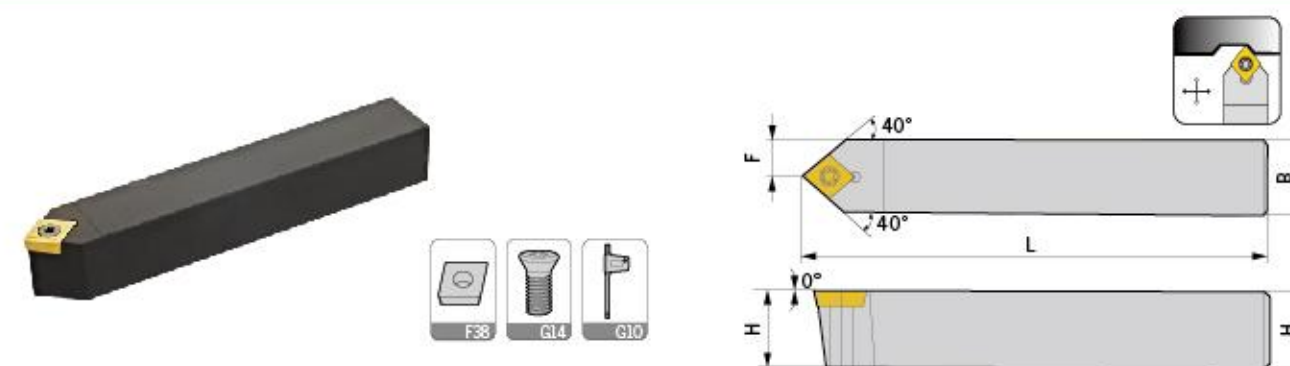
SCLCR/L



型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SCLCR/L 1212F09	12	12	80	16	CC..09T3..	M3.5*9	Q15
1616H09	16	16	100	20	CC..09T3..	M3.5*9	Q15
2020K09	20	20	125	25	CC..09T3..	M3.5*9	Q15
2525M09	25	25	150	32	CC..09T3..	M3.5*9	Q15
1616H12	16	16	100	20	CC..1204..	M5*12	Q20
2020K12	20	20	125	25	CC..1204..	M5*12	Q20
2525M12	25	25	150	32	CC..1204..	M5*12	Q20
3232P12	32	32	170	40	CC..1204..	M5*12	Q20

适用 Suitable: 德克刀片 DEREK Insert

SCMCN

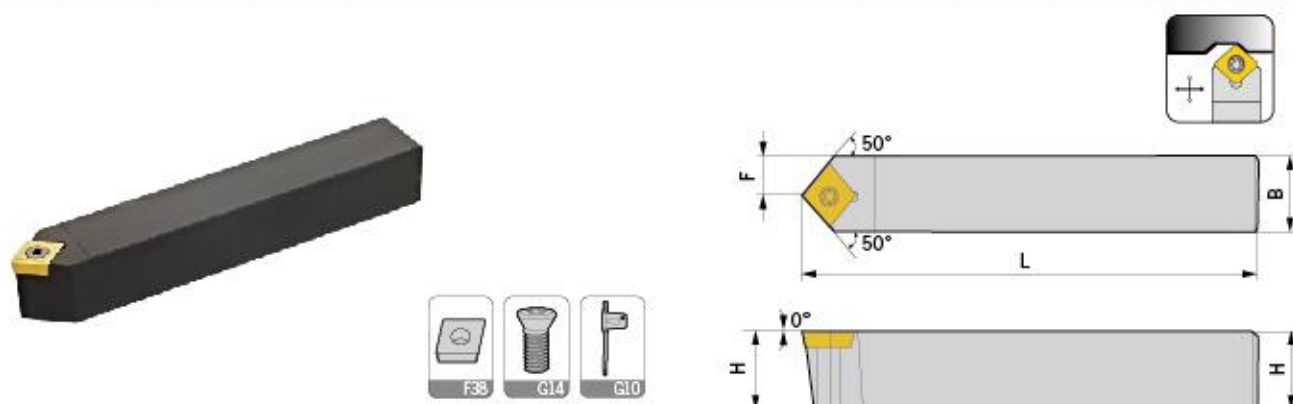


型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SCMCN 1010E06	10	10	70	5	CC..0602..	M2.5*7	Q08
1212F06	12	12	80	6	CC..0602..	M2.5*7	Q08
1212F09	12	12	80	6	CC..09T3..	M3.5*9	Q15
1616H09	16	16	100	8	CC..09T3..	M3.5*9	Q15
2020K09	20	20	125	10	CC..09T3..	M3.5*9	Q15
2525M09	25	25	150	12.5	CC..09T3..	M3.5*9	Q15

适用 Suitable: 德克刀片 DEREK Insert

# Type S

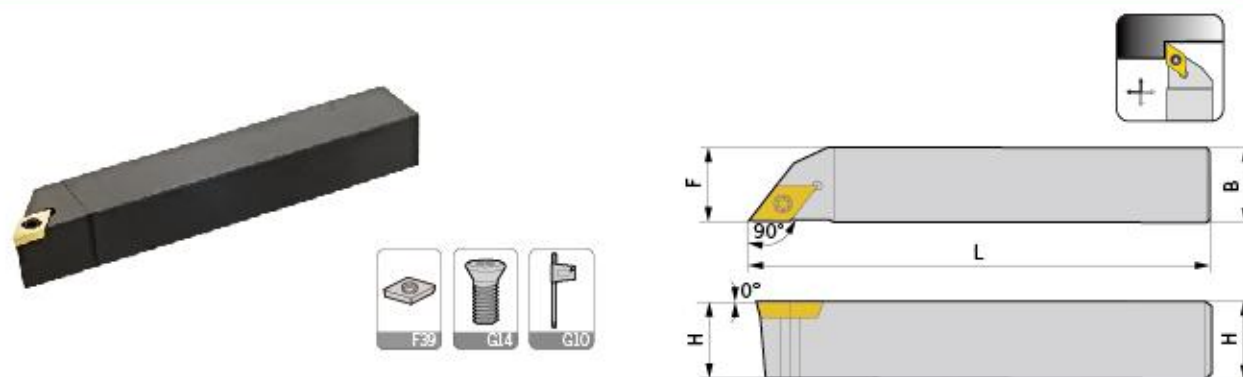
SCMCN-40



型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SCMCN 1010E06-40	10	10	70	5	CC..0602..	M2.5*7	Q08
1212F06-40	12	12	80	6	CC..0602..	M2.5*7	Q08
1212F09-40	12	12	80	6	CC..09T3..	M3.5*9	Q15
1616H09-40	16	16	100	8	CC..09T3..	M3.5*9	Q15
2020K09-40	20	20	125	10	CC..09T3..	M3.5*9	Q15
2525M09-40	25	25	150	12.5	CC..09T3..	M3.5*9	Q15

适用 Suitable:德克刀片 DEREK Insert

## SDACR/L

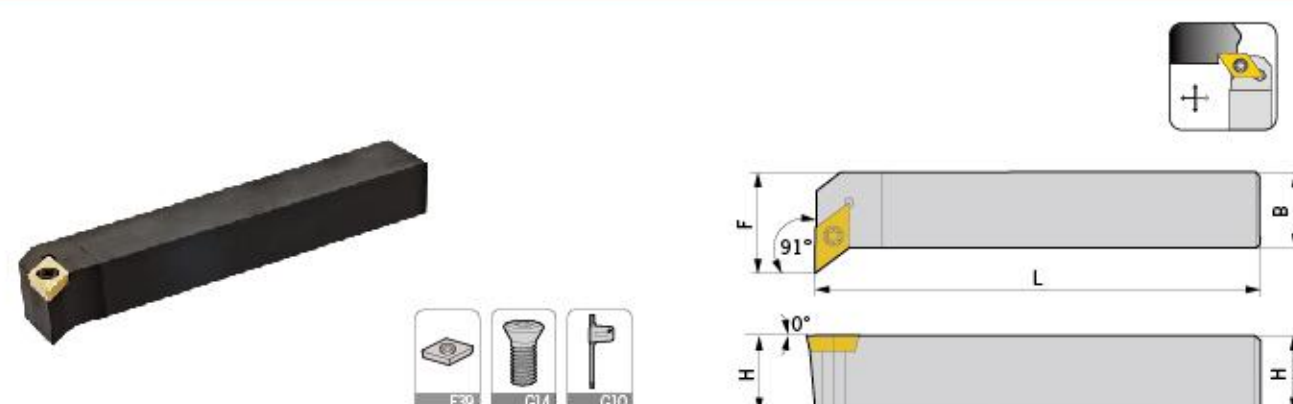


型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SDACR/L 1010E07	10	10	70	10	DC..0702..	M2.5*7	Q08
1212F07	12	12	80	12	DC..0702..	M2.5*7	Q08
1212F11	12	12	80	12	DC..11T3..	M3.5*9	Q15
1616H11	16	16	100	16	DC..11T3..	M3.5*9	Q15
2020K11	20	20	125	20	DC..11T3..	M3.5*9	Q15
2525M11	25	25	150	25	DC..11T3..	M3.5*9	Q15

适用 Suitable:德克刀片 DEREK Insert

# Type S

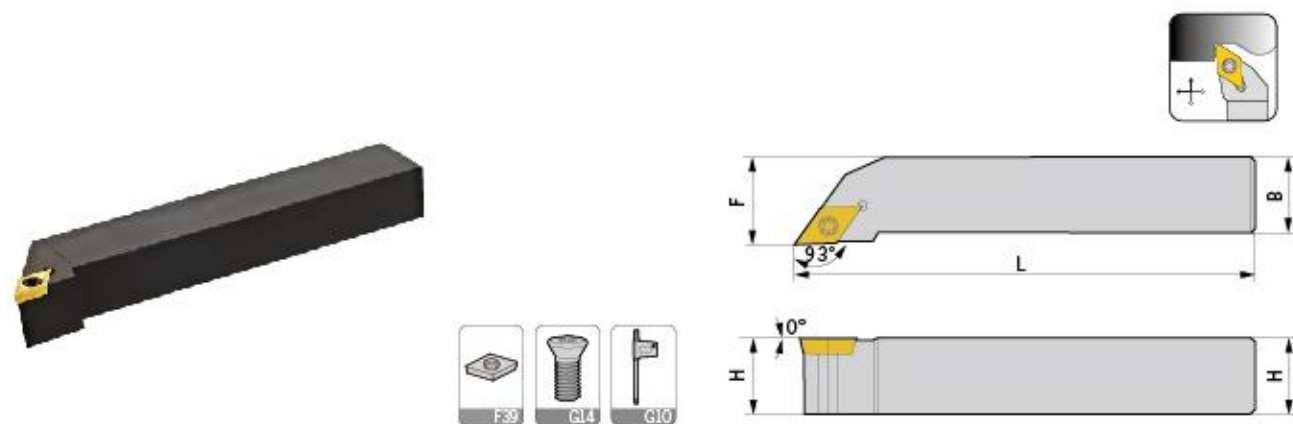
SDFCR/L



型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SDFCR/L 1212F07	12	12	80	16	DC..0702..	M2.5*7	Q08
1616H11	16	16	100	20	DC..11T3..	M3.5*9	Q15
2020K11	20	20	125	25	DC..11T3..	M3.5*9	Q15

适用 Suitable:德克刀片 DEREK Insert

## SDJCR/L

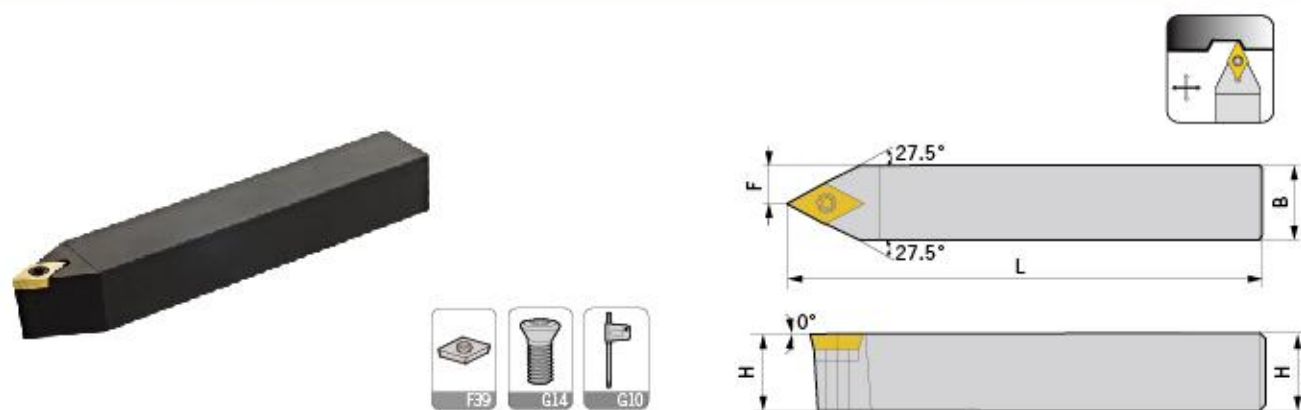


型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SDJCR/L 1212F07	12	12	80	16	DC..0702..	M2.5*7	Q08
1616H07	16	16	100	20	DC..0702..	M2.5*7	Q08
1212F11	12	12	80	16	DC..11T3..	M3.5*9	Q15
1616H11	16	16	100	20	DC..11T3..	M3.5*9	Q15
2020K11	20	20	125	25	DC..11T3..	M3.5*9	Q15
2525M11	25	25	150	32	DC..11T3..	M3.5*9	Q15
3232P11	32	32	170	40	DC..11T3..	M3.5*9	Q15

适用 Suitable:德克刀片 DEREK Insert

# Type S

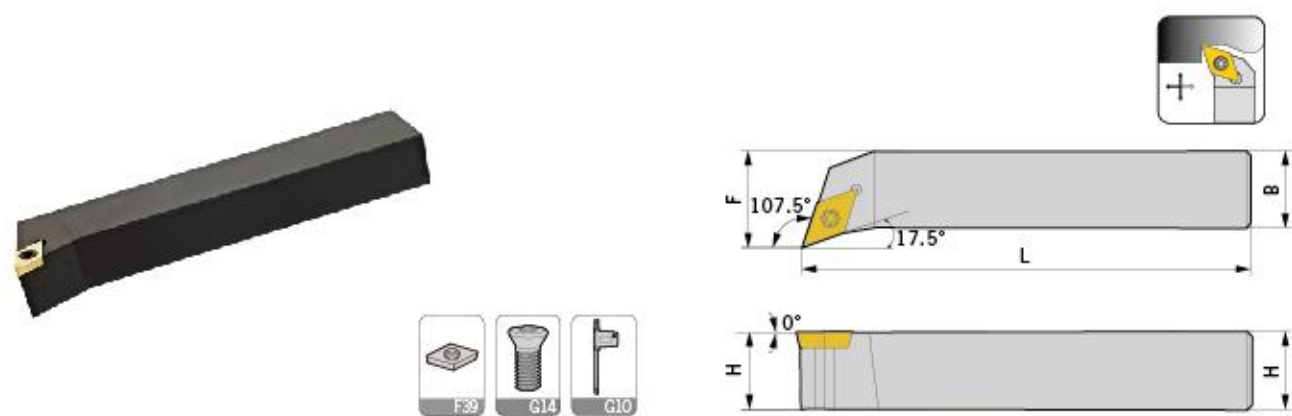
SDNCR/L



型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SDNCR 0808D07	8	8	60	4	DC..0702..	M2.5*7	Q08
1010E07	10	10	70	5	DC..0702..	M2.5*7	Q08
1212F07	12	12	80	6	DC..0702..	M2.5*7	Q08
1212F11	12	12	80	6	DC..11T3..	M3.5*9	Q15
1616H11	16	16	100	8	DC..11T3..	M3.5*9	Q15
2020K11	20	20	125	10	DC..11T3..	M3.5*9	Q15
2525M11	25	25	150	12.5	DC..11T3..	M3.5*9	Q15

适用 Suitable: 德克刀片 DEREK Insert

SDQCR/L

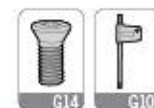
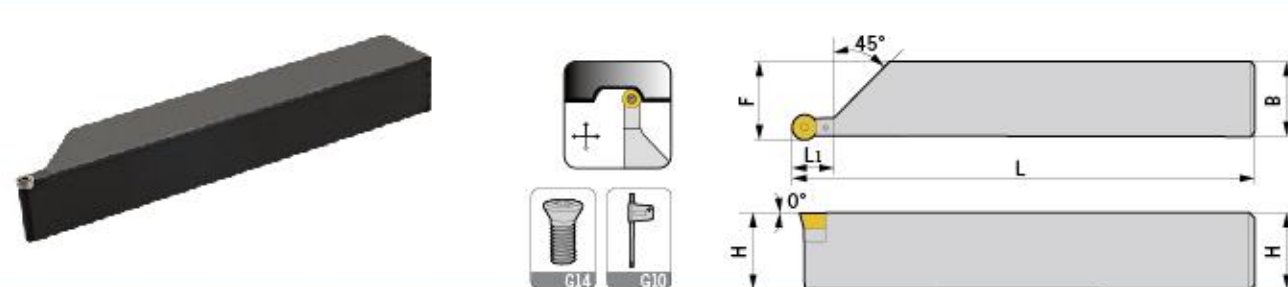


型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SDQCR/L 1212F07	12	12	80	16	DC..0702..	M2.5*7	Q08
1212F11	12	12	80	16	DC..11T3..	M3.5*9	Q15
1616H11	16	16	100	20	DC..11T3..	M3.5*9	Q15
2020K11	20	20	125	25	DC..11T3..	M3.5*9	Q15
2525M11	25	25	150	32	DC..11T3..	M3.5*9	Q15

适用 Suitable: 德克刀片 DEREK Insert

# Type S

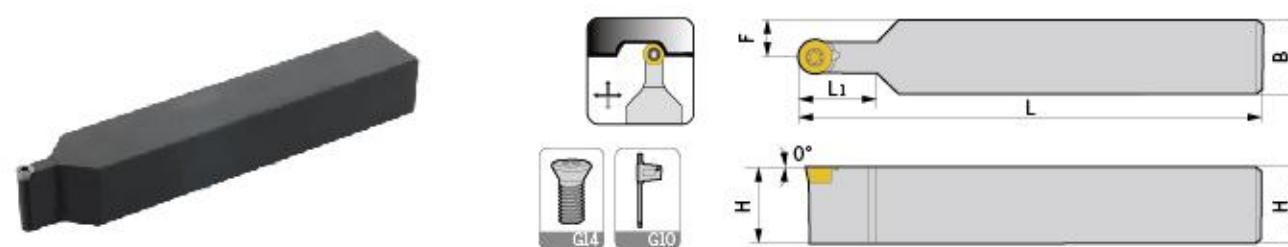
SRACR/L



型号 Specification	H	B	L	L1	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SRACR/L 1212F06	12	12	80	12	12.4	RC..0602..	M2.5*7	Q08
1616H06	16	16	100	12	16.4	RC..0602..	M2.5*7	Q08
2020K06	20	20	125	12	20.4	RC..0602..	M2.5*7	Q08
2525M06	25	25	150	12	25.4	RC..0602..	M2.5*7	Q08
1616H08	16	16	100	16	16.5	RC..0803..	M3*7	Q08
2020K08	20	20	125	16	20.5	RC..0803..	M3*7	Q08
2525M08	25	25	150	16	25.5	RC..0803..	M3*7	Q08
2020K10	20	20	125	20.3	20.4	RC..1003..	M3.5*9	Q15
2525M10	25	25	150	20.3	25.4	RC..1003..	M3.5*9	Q15

适用 Suitable: 德克刀片 DEREK Insert

SRDCN

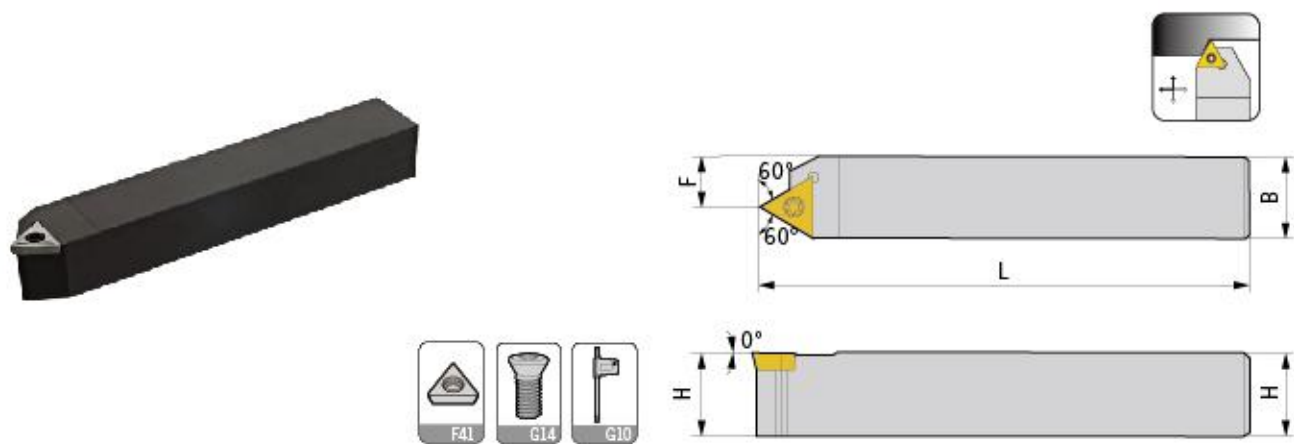


型号 Specification	H	B	L	L1	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SRDCN 2020K06	20	20	125	12	10	RC..0602..	M2.5*7	Q08
2525M06	25	25	150	12	12.5	RC..0602..	M2.5*7	Q08
1616H08	16	16	100	16	8	RC..0803..	M3*7	Q08
2020K08	20	20	125	16	10	RC..0803..	M3*7	Q08
2525M08	25	25	150	16	12.5	RC..0803..	M3*7	Q08
1616H10	16	16	100	20.3	8	RC..1003..	M3.5*9	Q15
2020K10	20	20	125	20.3	10	RC..1003..	M3.5*9	Q15
2525M10	25	25	150	20.3	12.5	RC..1003..	M3.5*9	Q15

适用 Suitable: 德克刀片 DEREK Insert

# Type S

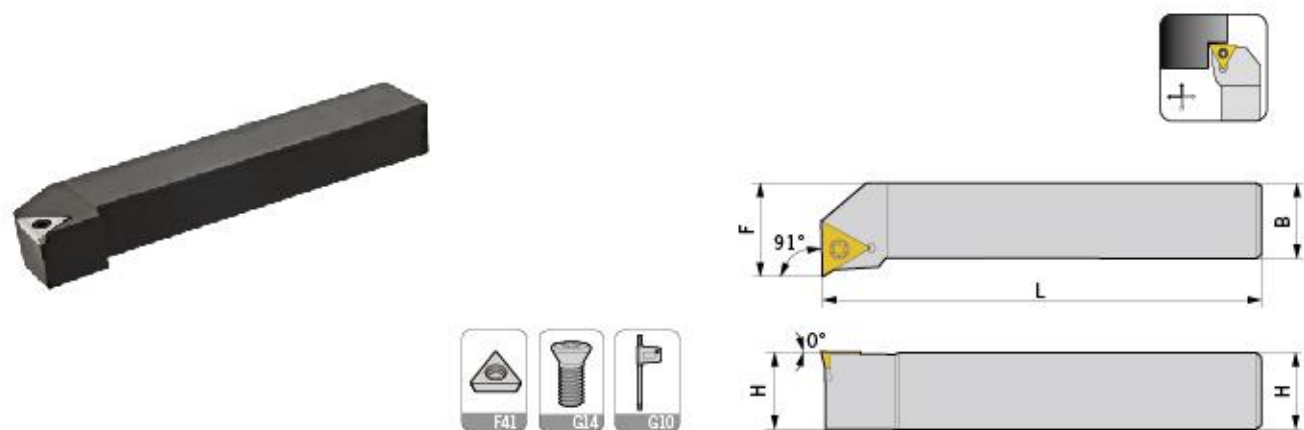
STECR/L



型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
STECR/L 2020K11	20	20	125	14.5	TC..1102..	M2.5*7	Q08
2525M11	25	25	150	19.5	TC..1102..	M2.5*7	Q08
2020K16	20	20	125	12	TC..16T3..	M3.5*9	Q15
2525M16	25	25	150	17	TC..16T3..	M3.5*9	Q15

适用 Suitable: 德克刀片 DEREK Insert

STFCR/L

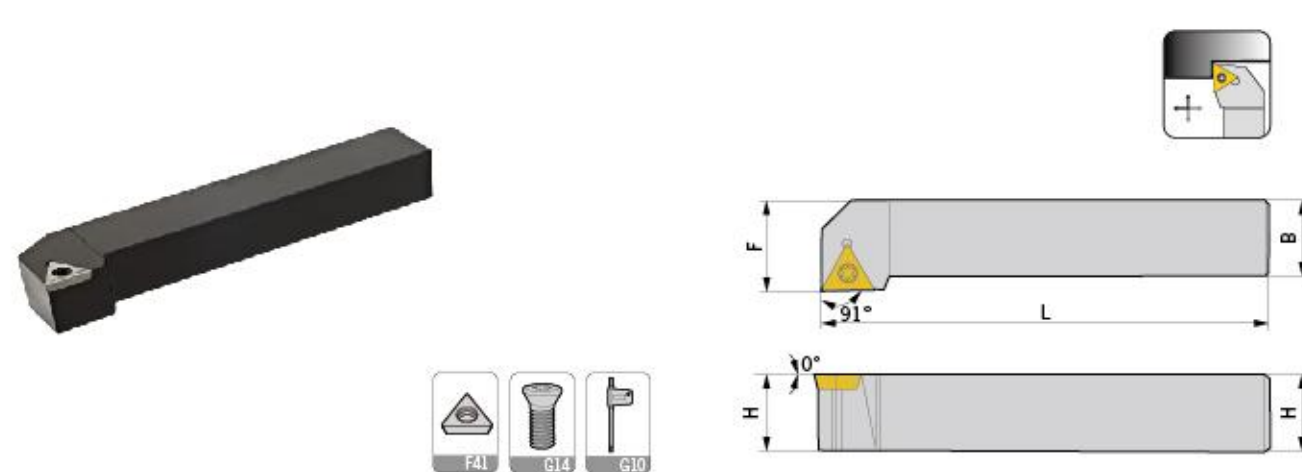


型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
STFCR/L 1212F09	12	12	80	16	TC..0902..	M2.2*7	Q06
1212F11	12	12	80	16	TC..1102..	M2.5*7	Q08
1616H11	16	16	100	20	TC..1102..	M2.5*7	Q08
1616H16	16	16	100	20	TC..16T3..	M3.5*9	Q15
2020K16	20	20	125	25	TC..16T3..	M3.5*9	Q15
2525M16	25	25	150	32	TC..16T3..	M3.5*9	Q15

适用 Suitable: 德克刀片 DEREK Insert

# Type S

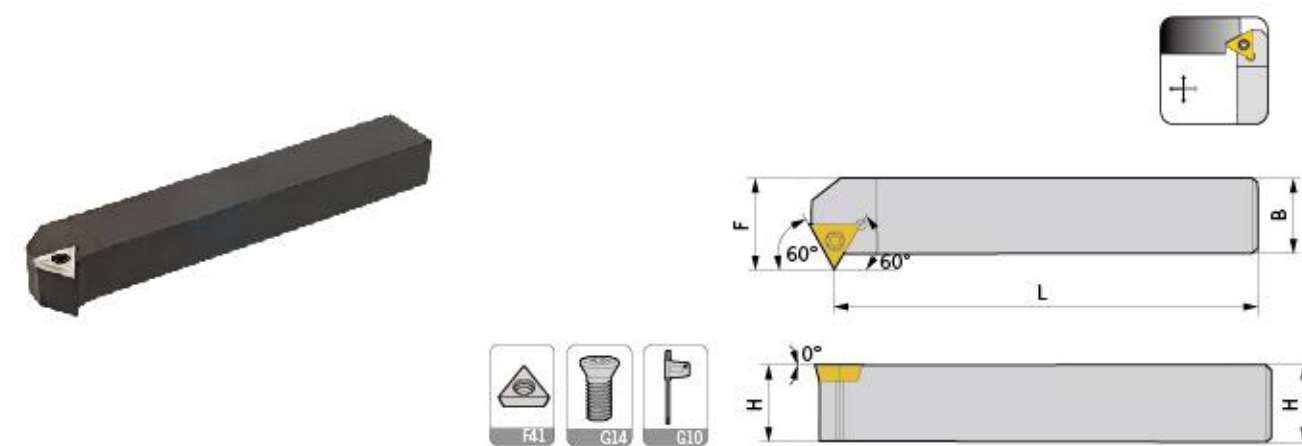
STGCR/L



型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
STGCR/L 1010F09	10	10	80	12	TC..0902..	M2.2*7	Q06
1616H11	16	16	100	20	TC..1102..	M2.5*7	
2020K16	20	20	125	25	TC..16T3..	M3.5*9	Q15
2525M16	25	25	150	32	TC..16T3..	M3.5*9	

适用 Suitable: 德克刀片 DEREK Insert

STWCR/L

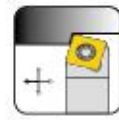
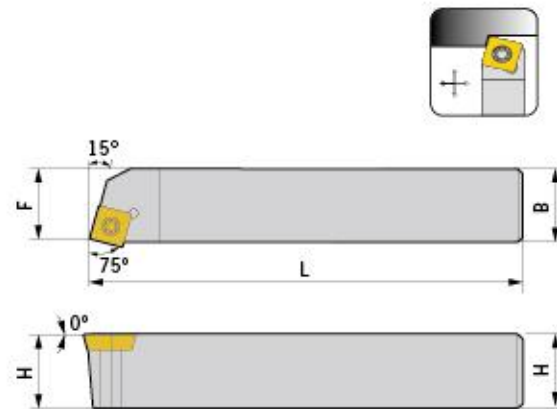


型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
STWCR/L 1212F11	12	12	80	15.3	TC..1102..	M2.5*7	Q08
1616H11	16	16	100	19.3	TC..1102..	M2.5*7	Q08
2020K11	20	20	125	23.3	TC..1102..	M2.5*7	Q08
1616H16	16	16	100	21	TC..16T3..	M3.5*9	Q15
2020K16	20	20	125	26	TC..16T3..	M3.5*9	Q15
2525M16	25	25	150	31	TC..16T3..	M3.5*9	Q15

适用 Suitable: 德克刀片 DEREK Insert

# Type S

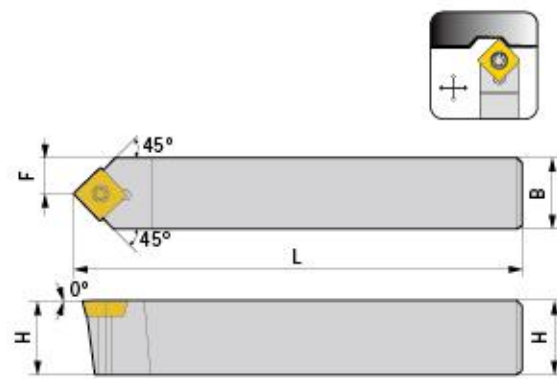
SSBCR/L



型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SSBCR/L 1212F09	12	12	80	9.5	SC..09T3..	M3.5*9	Q15
1616H09	16	16	100	13	SC..09T3..	M3.5*9	Q15
2020K09	20	20	125	17	SC..09T3..	M3.5*9	Q15

适用 Suitable: 德克刀片 DEREK Insert

SSDCN

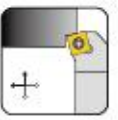
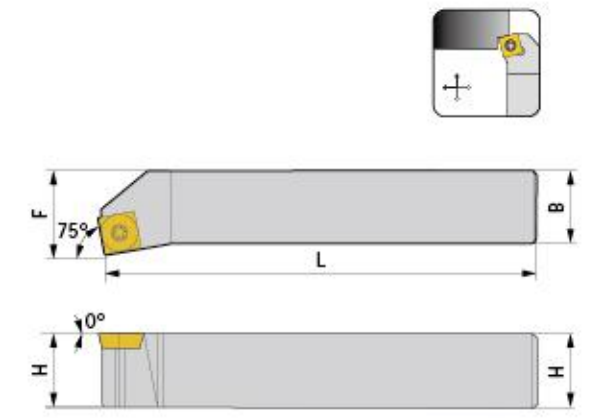


型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SSDCN 1212F09	12	12	80	6	SC..09T3..	M3.5*9	Q15
1616H09	16	16	100	8	SC..09T3..	M3.5*9	Q15
2020K09	20	20	125	10	SC..09T3..	M3.5*9	Q15
2525M09	25	25	150	12.5	SC..09T3..	M3.5*9	Q15
1616H12	16	16	100	8	SC..1204..	M5*12	Q20
2020K12	20	20	125	10	SC..1204..	M5*12	Q20
2525M12	25	25	150	12.5	SC..1204..	M5*12	Q20

适用 Suitable: 德克刀片 DEREK Insert

# Type S

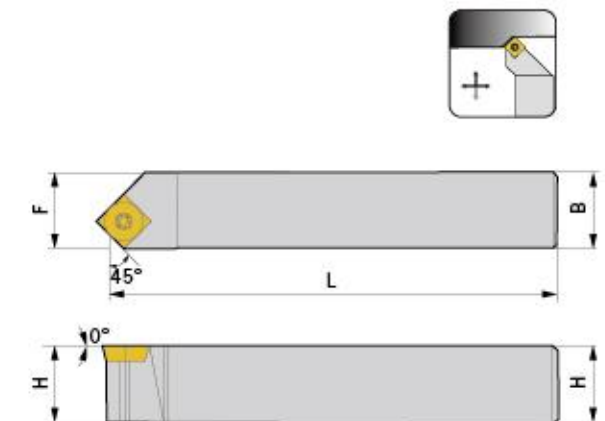
SSKCR/L



型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SSKCR/L 1212F09	12	12	80	16	SC..09T3..	M3.5*9	Q15
1616H09	16	16	100	20	SC..09T3..	M3.5*9	Q15
2020K09	20	20	125	25	SC..09T3..	M3.5*9	Q15
2525M12	25	25	150	32	SC..1204..	M5*12	Q20

适用 Suitable: 德克刀片 DEREK Insert

SSSCR/L

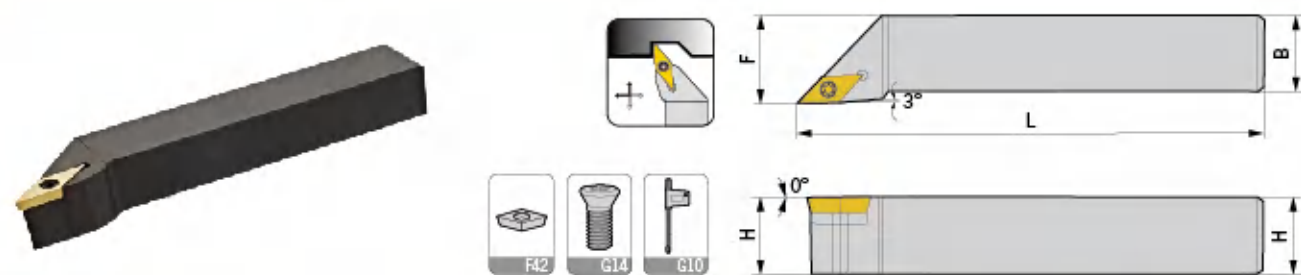


型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SSSCR/L 1616H09	16	16	100	20	SC..09T3..	M3.5*9	Q15
2020K09	20	20	125	25	SC..09T3..	M3.5*9	Q15
2525M09	25	25	150	32	SC..09T3..	M3.5*9	Q15
2525M12	25	25	150	32	SC..1204..	M5*12	Q20

适用 Suitable: 德克刀片 DEREK Insert

# Type S

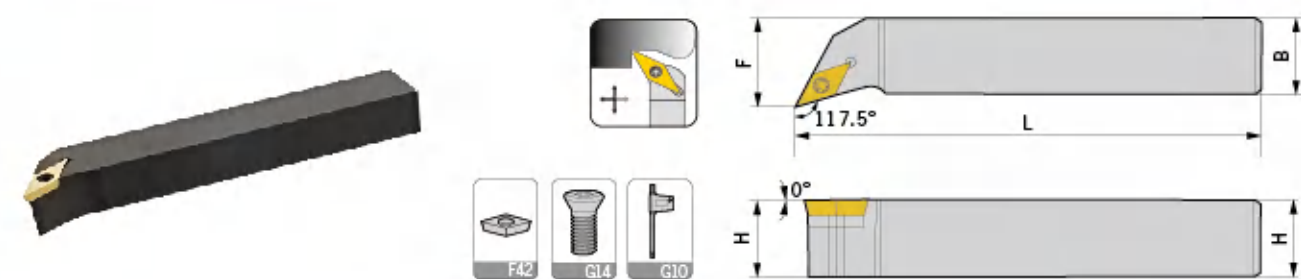
SVJ\*R/L



型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SVJBR/L 1212F11	12	12	80	16	VB..1103..	M2.5*7	Q08
1616H11	16	16	100	20	VB..1103..	M2.5*7	Q08
2020K11	20	20	125	25	VB..1103..	M2.5*7	Q08
2525M11	25	25	150	32	VB..1103..	M2.5*7	Q08
1616H16	16	16	100	20	VB..1604..	M3.5*9	Q15
2020K16	20	20	125	25	VB..1604..	M3.5*9	Q15
2525M16	25	25	150	32	VB..1604..	M3.5*9	Q15
3232P16	32	32	170	40	VB..1604..	M3.5*9	Q15
1212F11	12	12	80	16	VC..1103..	M2.5*7	Q08
SVJCR/L 1616H11	16	16	100	20	VC..1103..	M2.5*7	Q08
2020K11	20	20	125	25	VC..1103..	M2.5*7	Q08
2525M11	25	25	150	32	VC..1103..	M2.5*7	Q08
1616H16	16	16	100	20	VC..1604..	M3.5*9	Q15
2020K16	20	20	125	25	VC..1604..	M3.5*9	Q15
2525M16	25	25	150	32	VC..1604..	M3.5*9	Q15
3232P16	32	32	170	40	VC..1604..	M3.5*9	Q15

适用 Suitable: 德克刀片 DEREK Insert

SVQ\*R/L

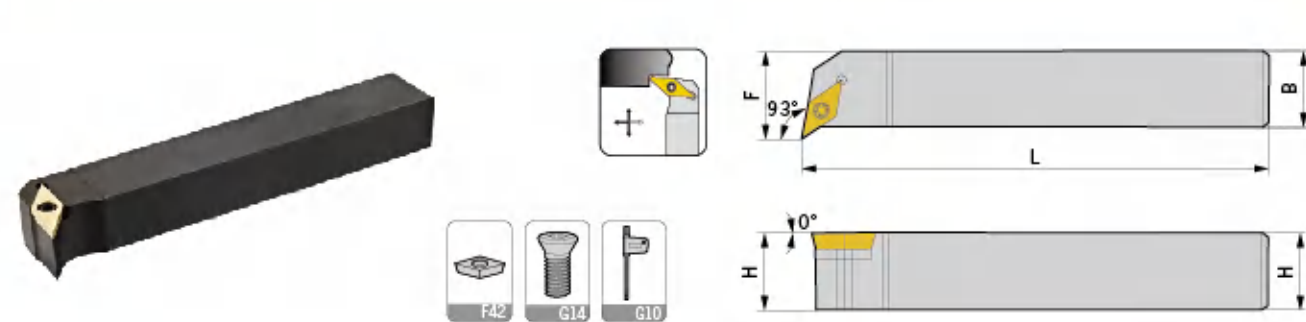


型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SVQBR/L 1616H11	16	16	100	20	VB..1103..	M2.5*7	Q08
2020K11	20	20	125	25	VB..1103..	M2.5*7	Q08
1616H16	16	16	100	20	VB..1604..	M3.5*9	Q15
2020K16	20	20	125	25	VB..1604..	M3.5*9	Q15
2525M16	25	25	150	32	VB..1604..	M3.5*9	Q15
3232P16	32	32	170	40	VB..1604..	M3.5*9	Q15
SVQCR/L 1616H11	16	16	100	20	VC..1103..	M2.5*7	Q08
2020K11	20	20	125	25	VC..1103..	M2.5*7	Q08
1616H16	16	16	100	20	VC..1604..	M3.5*9	Q15
2020K16	20	20	125	25	VC..1604..	M3.5*9	Q15
2525M16	25	25	150	32	VC..1604..	M3.5*9	Q15
3232P16	32	32	170	40	VC..1604..	M3.5*9	Q15

适用 Suitable: 德克刀片 DEREK Insert

# Type S

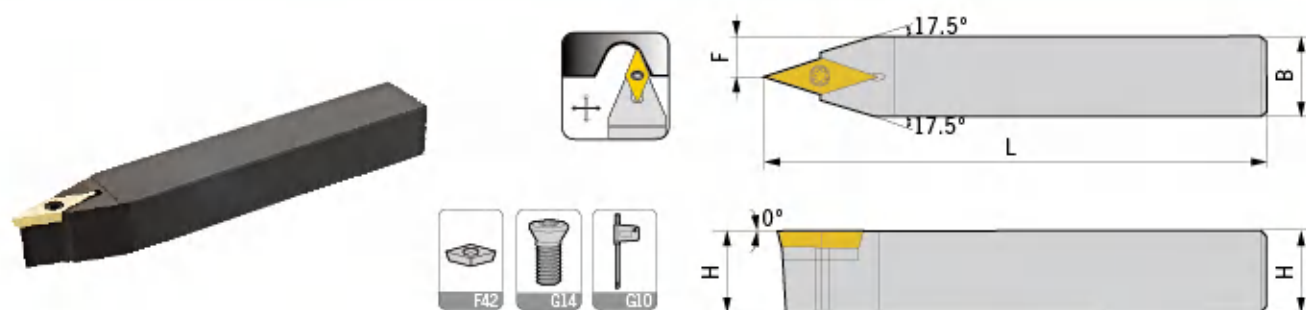
SVU\*R/L



型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SVUBR/L 1616H11	16	16	100	20	VB..1103..	M2.5*7	Q08
2020K16	20	20	125	30	VB..1604..	M3.5*9	Q15
2525M16	25	25	150	32	VB..1604..	M3.5*9	Q15
1616H11	16	16	100	20	VC..1103..	M2.5*7	Q08
SVUCR/L 2020K16	20	20	125	30	VC..1604..	M3.5*9	Q15
2525M16	25	25	150	32	VC..1604..	M3.5*9	Q15

适用 Suitable: 德克刀片 DEREK Insert

SVW\*N

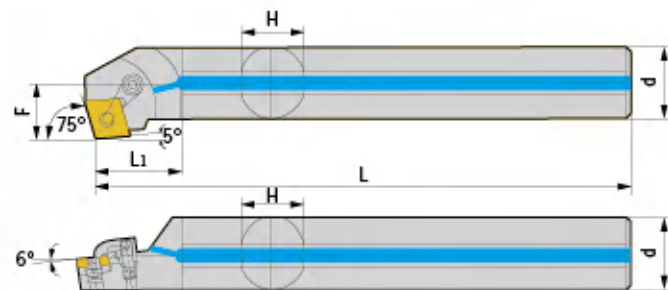


型号 Specification	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
SVVBN 1212F11	12	12	80	6	VB..1103..	M2.5*7	Q08
1616H11	16	16	100	8	VB..1103..	M2.5*7	Q08
2020K11	20	20	125	10	VB..1103..	M2.5*7	Q08
2525M11	25	25	150	12.5	VB..1103..	M2.5*7	Q08
1616H16	16	16	100	8	VB..1604..	M3.5*9	Q15
2020K16	20	20	125	10	VB..1604..	M3.5*9	Q15
2525M16	25	25	150	12.5	VB..1604..	M3.5*9	Q15
3232P16	32	32	170	16	VB..1604..	M3.5*9	Q15
SVVCN 1212F11	12	12	80	6	VC..1103..	M2.5*7	Q08
1616H11	16	16	100	8	VC..1103..	M2.5*7	Q08
2020K11	20	20	125	10	VC..1103..	M2.5*7	Q08
2525M11	25	25	150	12.5	VC..1103..	M2.5*7	Q08
1616H16	16	16	100	8	VC..1604..	M3.5*9	Q15
2020K16	20	20	125	10	VC..1604..	M3.5*9	Q15
2525M16	25	25	150	12.5	VC..1604..	M3.5*9	Q15
3232P16	32	32	170	16	VC..1604..	M3.5*9	Q15

适用 Suitable: 德克刀片 DEREK Insert

# Type M

MCKNR/L

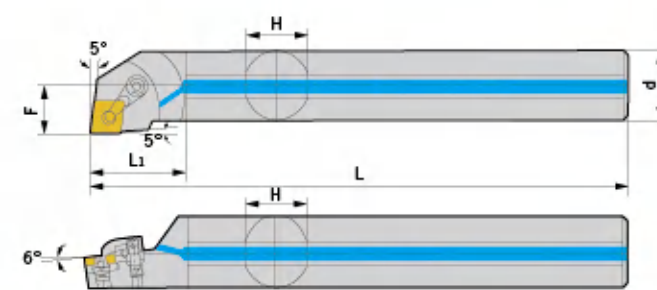
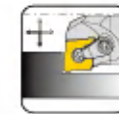


型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MCKNR/L12	26	20	14	180	34	18	15°	CN..1204..	-	MX0613	MY0515-A	ML0520	L025	-
S25R-MCKNR/L12	32	25	16.5	200	43	23	12°	CN..1204..	-	MX0613	MY0619	ML0620	L025,L03	-
S32S-MCKNR/L12	40	32	22.5	250	54	30	17°	CN..1204..	MC1204	MX0617	MY0619	MY0625	L025,L03	-
S40T-MCKNR/L12	50	40	26	300	68	37	15°	CN..1204..	MC1204	MX0617	MY0619	MY0625	L025,L03	-
S50U-MCKNR/L12	60	50	33	350	85	47	12°	CN..1204..	MC1204	MX0617	MY0619	MY0625	L025,L03	-
S60V-MCKNR/L12	70	60	36	400	102	56	10°	CN..1204..	MC1204	MX0617	MY0619	MY0625	L025,L03	-
H20Q-MCKNR/L12	26	20	14	180	34	18	15°	CN..1204..	-	MX0613	MY0515-A	ML0520	L025	-
H25R-MCKNR/L12	32	25	16.5	200	43	23	12°	CN..1204..	-	MX0613	MY0619	ML0620	L025,L03	-
A20Q-MCKNR/L12	26	20	14	180	34	18	15°	CN..1204..	-	MX0613	MY0515-A	ML0520	L025	√
A25R-MCKNR/L12	32	25	16.5	200	43	23	12°	CN..1204..	-	MX0613	MY0619	ML0620	L025,L03	√
A32S-MCKNR/L12	40	32	22.5	250	54	30	17°	CN..1204..	MC1204	MX0617	MY0619	MY0625	L025,L03	√
A40T-MCKNR/L12	50	40	26	300	68	37	15°	CN..1204..	MC1204	MX0617	MY0619	MY0625	L025,L03	√
A50U-MCKNR/L19	60	50	32.5	350	85	47	12°	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04	√

适用 Suitable: 德克刀片 DEREK Insert

# Type M

MCLNR/L

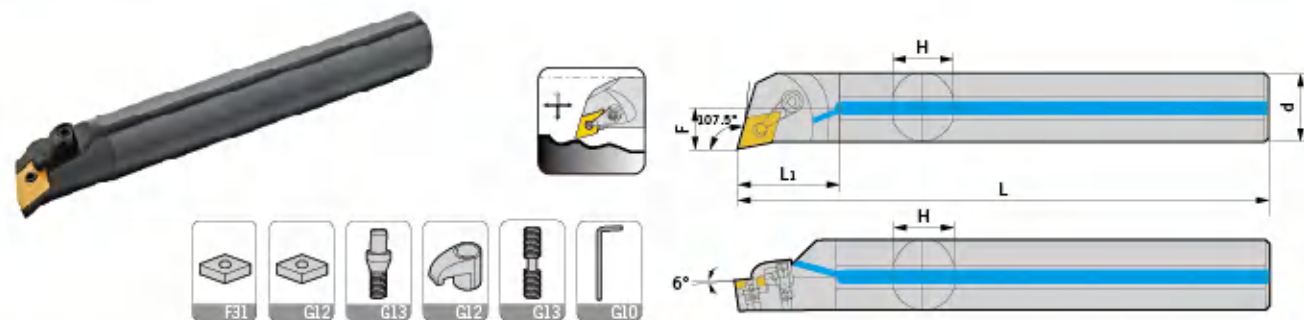


型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MCLNR/L12	25	20	13	180	34	18	15°	CN..1204..	-	MX0613	MY0515-A	ML0520	L025	-
S25R-MCLNR/L12	32	25	16.5	200	43	23	12°	CN..1204..	-	MX0613	MY0619	ML0620	L025,L03	-
S32S-MCLNR/L12	40	32	22.5	250	54	30	17°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	-
S40T-MCLNR/L12	50	40	26	300	68	37	15°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	-
S50U-MCLNR/L12	60	50	31	350	85	47	12°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	-
S60V-MCLNR/L12	70	60	36	400	102	56	10°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	-
S50U-MCLNR/L19	60	50	31	350	85	47	12°	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04	-
H20Q-MCLNR/L12	25	20	13	180	34	18	15°	CN..1204..	-	MX0613	MY0515-A	ML0520	L025	-
H25R-MCLNR/L12	32	25	16.5	200	43	23	12°	CN..1204..	-	MX0613	MY0619	ML0620	L025,L03	-
H32S-MCLNR/L12	40	32	22.5	250	54	30	17°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	-
A20Q-MCLNR/L12	25	20	13	180	34	18	15°	CN..1204..	-	MX0613	MY0515-A	ML0520	L025	√
A25R-MCLNR/L12	32	25	16.5	200	43	23	12°	CN..1204..	-	MX0613	MY0619	ML0620	L025,L03	√
A32S-MCLNR/L12	40	32	22.5	250	54	30	17°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	√
A40T-MCLNR/L12	50	40	26	300	68	37	15°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	√
A50U-MCLNR/L12	60	50	31	350	85	47	12°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	√
A50U-MCLNR/L19	60	50	31	350	85	47	12°	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04	√

适用 Suitable: 德克刀片 DEREK Insert

# Type M

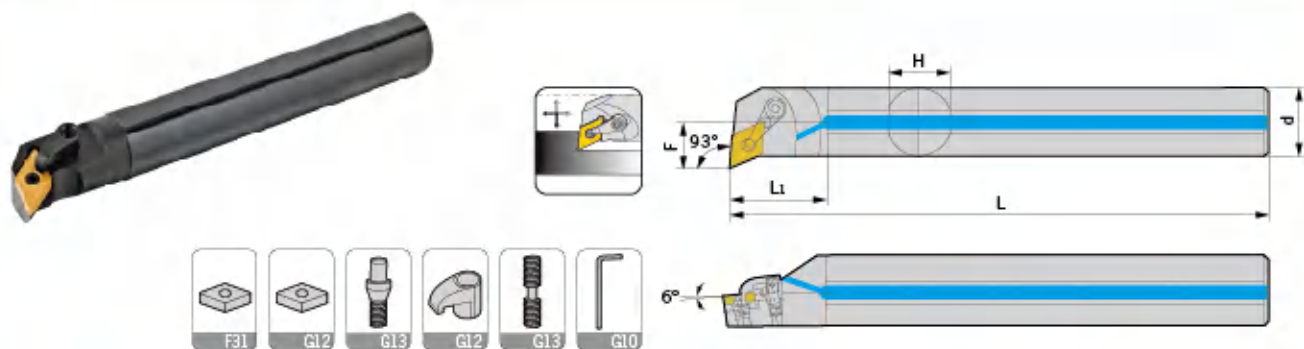
MDQNR/L



型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench	出水孔 Water hole
S25R-MDQNR/L15	32	25	17	200	43	23	12°	DN..1504..	-	MX0613	MY0621	ML0625	L025,L03	-
S32S-MDQNR/L15	42	32	22.5	250	54	30	17°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
S40T-MDQNR/L15	50	40	26	300	68	37	15°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
S50U-MDQNR/L15	63	50	33	350	85	47	12°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
H25R-MDQNR/L15	32	25	17	200	43	23	12°	DN..1504..	-	MX0613	MY0621	ML0625	L025,L03	-
H32S-MDQNR/L15	42	32	22.5	250	54	30	17°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
A25R-MDQNR/L15	32	25	17	200	43	23	12°	DN..1504..	-	MX0613	MY0621	ML0625	L025,L03	√
A32S-MDQNR/L15	42	32	22.5	250	54	30	17°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	√
A40T-MDQNR/L15	50	40	26	300	68	37	15°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	√

适用 Suitable:德克刀片 DEREK Insert

MDUNR/L

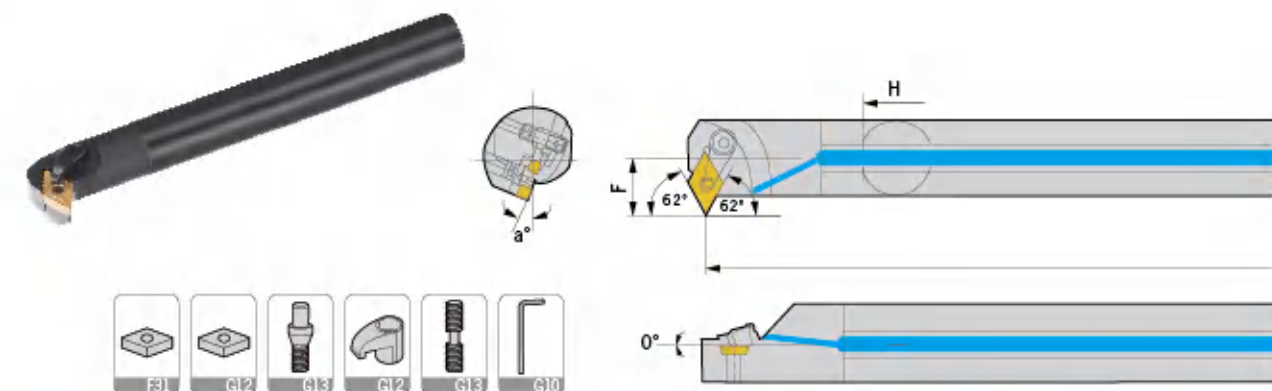


型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench	出水孔 Water hole
S25R-MDUNR/L15	32	25	16	200	43	23	12°	DN..1504..	-	MX0613	MY0621	ML0620	L025,L03	-
S32S-MDUNR/L15	40	32	21	250	54	30	17°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
S40T-MDUNR/L15	50	40	26	300	68	37	15°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
S50U-MDUNR/L15	60	50	32	350	85	47	12°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
H25R-MDUNR/L15	32	25	16	200	43	23	12°	DN..1504..	-	MX0613	MY0621	ML0620	L025,L03	-
H32S-MDUNR/L15	40	32	21	250	54	30	17°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
A25R-MDUNR/L15	32	25	16	200	43	23	12°	DN..1504..	-	MX0613	MY0621	ML0620	L025,L03	√
A32S-MDUNR/L15	40	32	21	250	54	30	17°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	√

适用 Suitable:德克刀片 DEREK Insert

# Type M

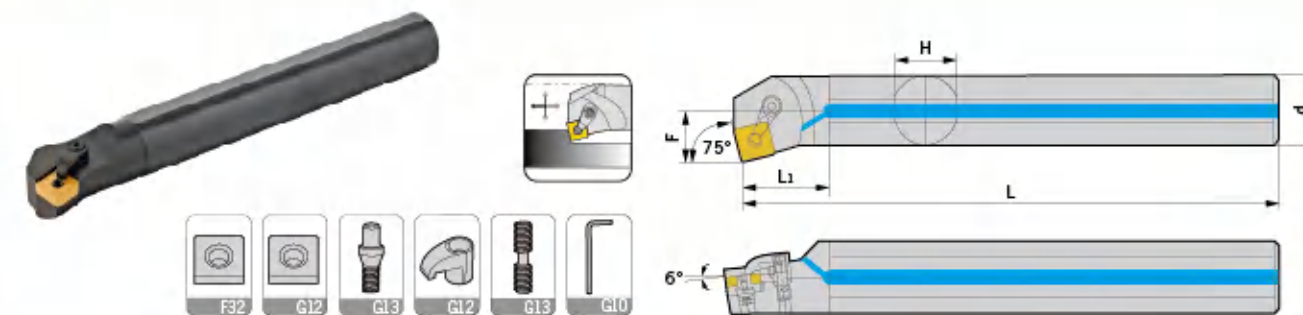
MDWNR/L



型号 Specification	最小加工径 Min dia	d	F	L	H	a	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench	出水孔 Water hole
S25R-MDWNR/L15	28	25	24.5	200	23	12°	DN..1504..	-	MX0613	MY0621	ML0620	L025,L03	-
S32S-MDWNR/L15	45	32	28.0	250	30	15°	DN..1506..	MD1504	MX0619	MY0621	ML0625	L025,L03	-
S40T-MDWNR/L15	53	40	32.0	300	37	13°	DN..1506..	MD1504	MX0619	MY0621	ML0625	L025,L03	-
A25R-MDWNR/L15	38	25	24.5	200	23	12°	DN..1504..	-	MX0613	MY0621	ML0620	L025,L03	√
A32S-MDWNR/L15	45	32	28.0	250	30	15°	DN..1506..	MD1504	MX0619	MY0621	ML0625	L025,L03	√

适用 Suitable:德克刀片 DEREK Insert

MSKNR/L

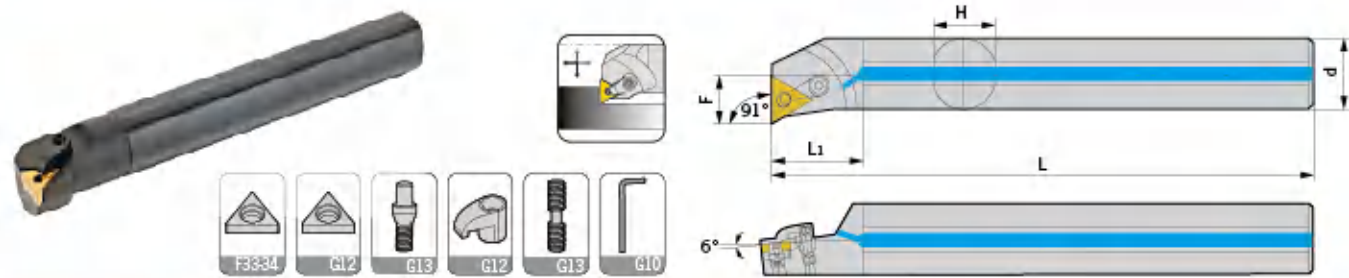


型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MSKNR/L12	25	20	13	180	34	18	15°	SN..1204..	-	MX0611	MY0515-A	ML0516	L025	-
S25R-MSKNR/L12	32	25	17	200	43	23	12°	SN..1204..	-	MX0613	MY0619	ML0620	L025,L03	-
S32S-MSKNR/L12	40	32	22	250	54	30	17°	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03	-
S40T-MSKNR/L12	50	40	27	300	68	37	15°	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03	-
H20Q-MSKNR/L12	25	20	13	180	34	18	15°	SN..1204..	-	MX0611	MY0515-A	ML0516	L025	-
H25R-MSKNR/L12	32	25	17	200	43	23	12°	SN..1204..	-	MX0613	MY0619	ML0620	L025,L03	-
A20Q-MSKNR/L12	25	20	13	180	34	18	15°	SN..1204..	-	MX0611	MY0515-A	ML0516	L025	√
A25R-MSKNR/L12	32	25	17	200	43	23	12°	SN..1204..	-	MX0613	MY0619	ML0620	L025,L03	√
A32S-MSKNR/L12	40	32	22	250	54	30	17°	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03	√

适用 Suitable:德克刀片 DEREK Insert

# Type M

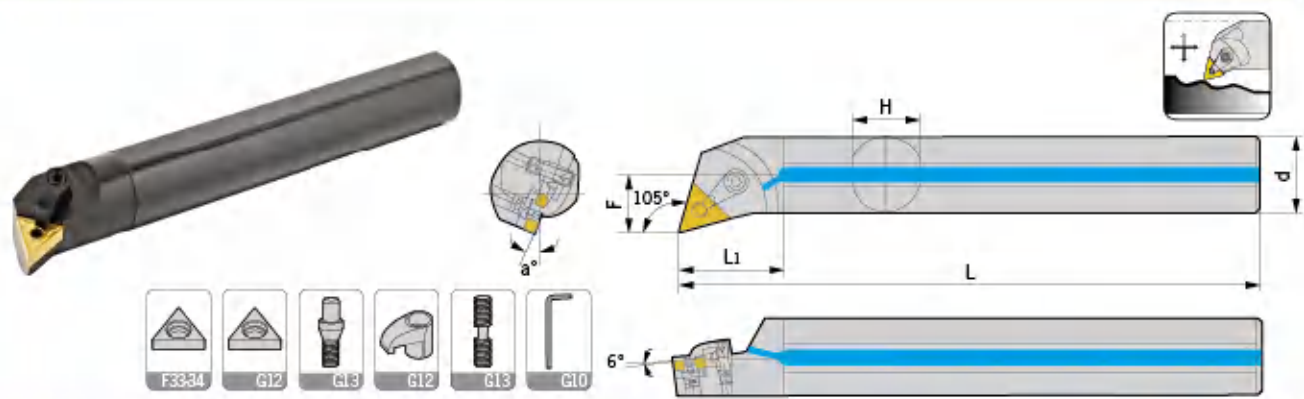
MTFNR/L



型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MTFNR/L16	25	20	13	180	34	18	15°	TN..1604..	-	MX0510	MY0515-A	ML0520	L02,L025	-
S25R-MTFNR/L16	32	25	16.5	200	43	23	12°	TN..1604..	-	MX0510	MY0619	ML0620	L02,L03	-
S32S-MTFNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S40T-MTFNR/L16	50	40	26.5	300	68	37	15°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S50U-MTFNR/L16	60	50	31	350	85	47	12°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S40T-MTFNR/L22	50	40	26	300	68	37	15°	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04	-
H20Q-MTFNR/L16	25	20	13	180	34	18	15°	TN..1604..	-	MX0510	MY0515-A	ML0520	L02,L025	-
H25R-MTFNR/L16	32	25	16.5	200	43	23	12°	TN..1604..	-	MX0510	MY0619	ML0620	L02,L03	-
H32S-MTFNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
A20Q-MTFNR/L16	25	20	13	180	34	18	15°	TN..1604..	-	MX0510	MY0515-A	ML0516	L02,L025	√
A25R-MTFNR/L16	32	25	16.5	200	43	23	12°	TN..1604..	-	MX0510	MY0619	ML0620	L02,L03	√
A32S-MTFNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	√

适用 Suitable:德克刀片 DEREK Insert

MTQNR/L

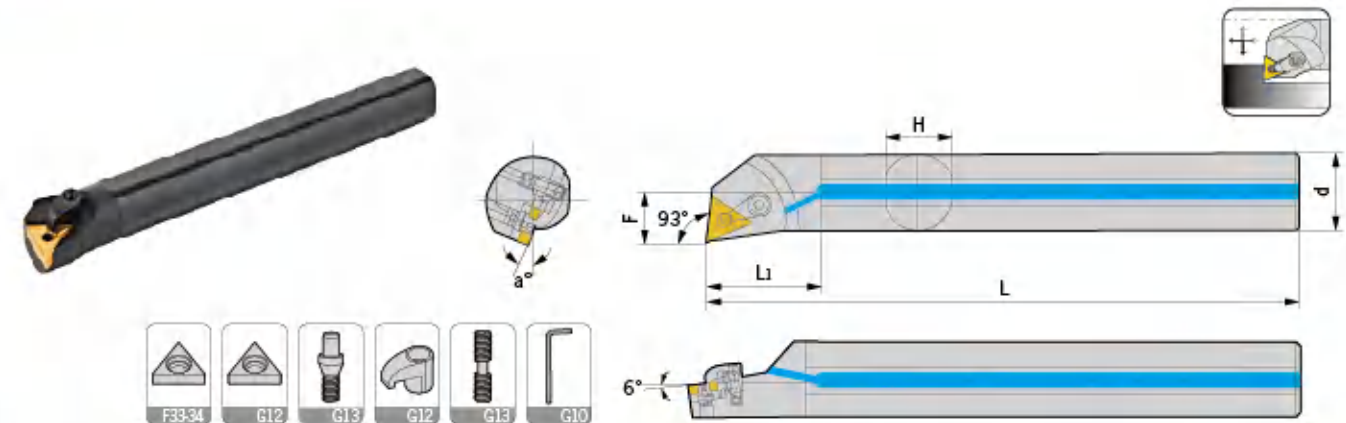


型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MTQNR/L16	25	20	12.5	180	34	18	15°	TN..1604..	-	MX0510	MY0515-A	ML0520	L02,L025	-
S25R-MTQNR/L16	32	25	16	200	43	23	12°	TN..1604..	-	MX0510	MY0619	ML0620	L02,L03	-
S32S-MTQNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S40T-MTQNR/L16	50	40	26.5	300	68	37	15°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S50U-MTQNR/L16	60	50	31	350	85	47	12°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
H20Q-MTQNR/L16	25	20	12.5	180	34	18	15°	TN..1604..	-	MX0510	MY0515-A	ML0520	L02,L025	-
H25R-MTQNR/L16	32	25	16	200	43	23	12°	TN..1604..	-	MX0510	MY0619	ML0620	L02,L03	-
H32S-MTQNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
A20Q-MTQNR/L16	25	20	12.5	180	34	18	15°	TN..1604..	-	MX0510	MY0515-A	ML0520	L02,L025	√
A25R-MTQNR/L16	32	25	16	200	43	23	12°	TN..1604..	-	MX0510	MY0619	ML0620	L02,L03	√
A32S-MTQNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	√
A40T-MTQNR/L16	50	40	26.5	300	68	37	15°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	√

适用 Suitable:德克刀片 DEREK Insert

# Type M

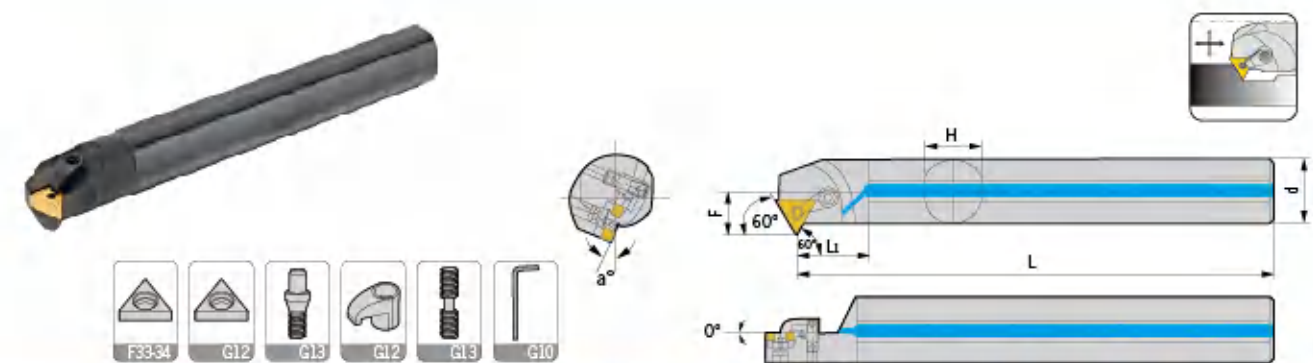
MTUNR/L



型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MTUNR/L16	25	20	12.5	180	34	18	15°	TN..1604..	-	MX0510	MY0515-A	ML0520	L02,L025	-
S25R-MTUNR/L16	32	25	16	200	43	23	12°	TN..1604..	-	MX0510	MY0619	ML0620	L02,L03	-
S32S-MTUNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S40T-MTUNR/L16	50	40	26.5	300	68	37	15°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S50U-MTUNR/L16	60	50	31	350	85	47	12°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S40T-MTUNR/L22	50	40	26.5	300	68	37	15°	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04	-
S50U-MTUNR/L22	60	50	31	350	85	47	12°	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04	-
H20Q-MTUNR/L16	25	20	12.5	180	34	18	15°	TN..1604..	-	MX0510	MY0515-A	ML0520	L02,L025	-
H25R-MTUNR/L16	32	25	16	200	43	23	12°	TN..1604..	-	MX0510	MY0619	ML0620	L02,L03	-
H32S-MTUNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
A20Q-MTUNR/L16	25	20	12.5	180	34	18	15°	TN..1604..	-	MX0510	MY0515-A	ML0520	L02,L025	√
A25R-MTUNR/L16	32	25	16	200	43	23	12°	TN..1604..	-	MX0510	MY0619	ML0620	L02,L03	√
A32S-MTUNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	√

适用 Suitable:德克刀片 DEREK Insert

MTWNR/L

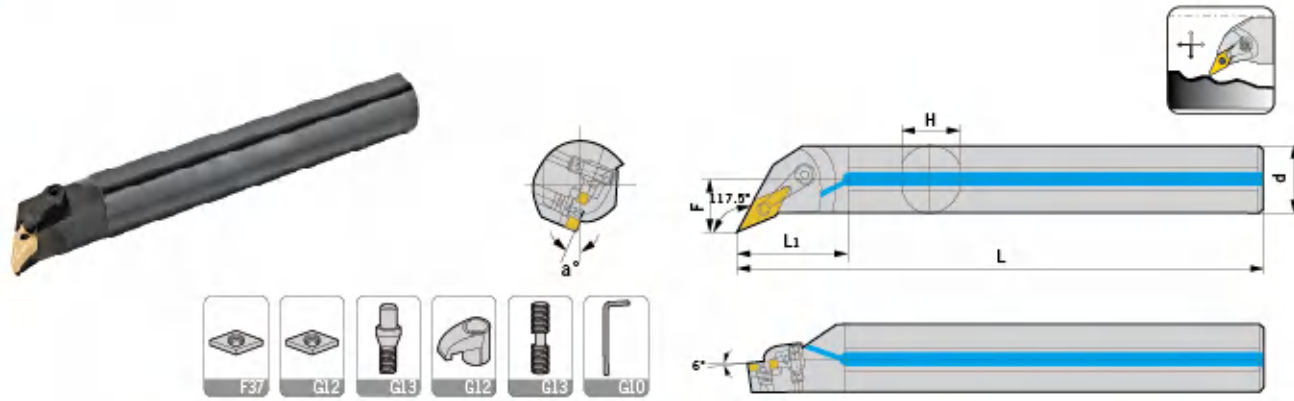


型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MTWNR/L16	27	20	14	180	34	18	15°	TN..1604..	-	MX0510	MY0619	ML0620	L02,L03	-
S25R-MTWNR/L16	32	25	16.5	200	43	23	12°	TN..1604..	-	MX0510	MY0619	ML0620	L02,L03	-
S32S-MTWNR/L16	39	32	20	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S40T-MTWNR/L16	50	40	24	300	68	37	15°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
H20Q-MTWNR/L16	27	20	14	180	34	18	15°	TN..1604..	-	MX0510	MY0619	ML0520	L02,L025	-
H25R-MTWNR/L16	32	25	16.5	200	43	23	12°	TN..1604..	-	MX0510	MY0619	ML0620	L02,L03	-
A20Q-MTWNR/L16	27	20	14	180	34	18	15°	TN..1604..	-	MX0510	MY0619	ML0620	L02,L03	√
A25R-MTWNR/L16	32	25	16.5	200	43	23	12°	TN..1604..	-	MX0510	MY0619	ML0620	L02,L03	√

适用 Suitable:德克刀片 DEREK Insert

# Type M

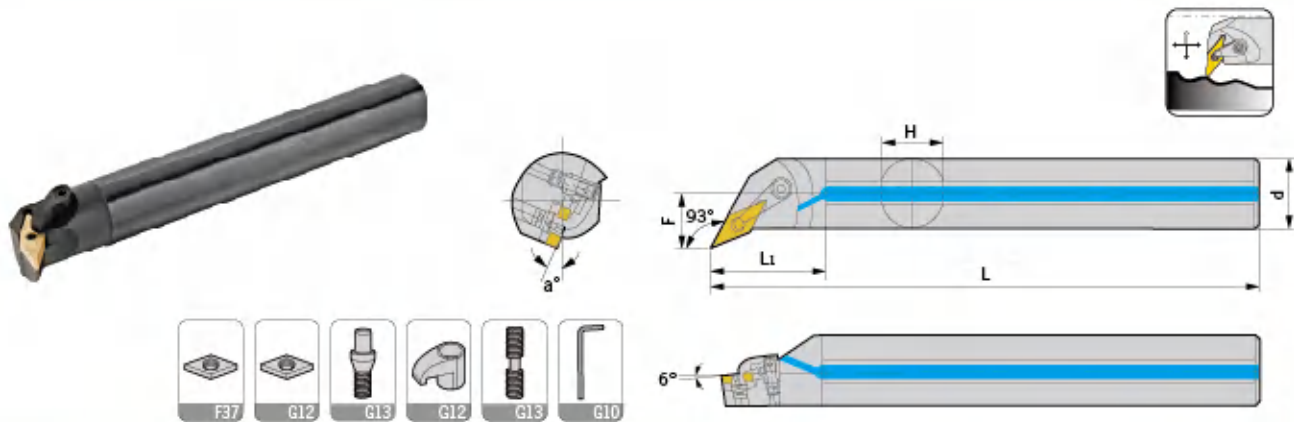
MVQNR/L



型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench	出水孔 Water hole
S25R-MVQNR/L16	32	25	17	200	43	23	12°	VN..1604..	-	MX0513	MY0621	ML0625	L02,L03	-
S32S-MVQNR/L16	42	32	23	250	54	30	17°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
S40T-MVQNR/L16	50	40	27	300	68	37	15°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
H25R-MVQNR/L16	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	-
A20Q-MVQNR/L16	25	20	13	180	34	18	15°	VN..1604..	-	MX0510	MY0515A	ML0516	L02,L025	√
A25R-MVQNR/L16	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	√

适用 Suitable: 德克刀片 DEREK Insert

MVUNR/L

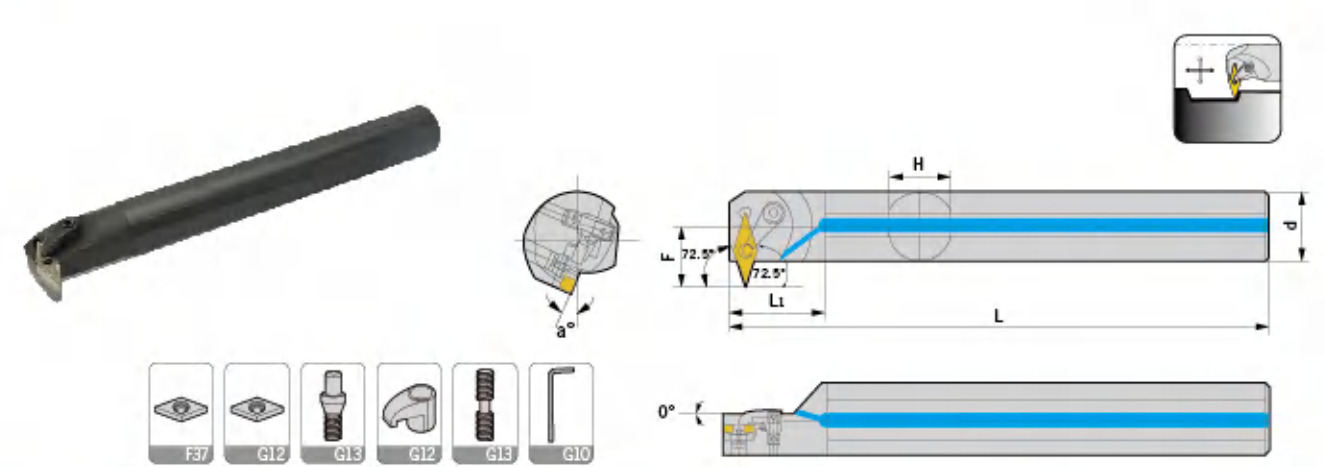


型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench	出水孔 Water hole
S25R-MVUNR/L16	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	-
S32S-MVUNR/L16	42	32	23	250	54	30	17°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
S40T-MVUNR/L16	50	40	27	300	68	37	15°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
H25R-MVUNR/L16	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	-
H32S-MVUNR/L16	42	32	23	250	54	30	17°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
A25R-MVUNR/L16	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	√
A32S-MVUNR/L16	42	32	23	250	54	30	17°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	√

适用 Suitable: 德克刀片 DEREK Insert

# Type M

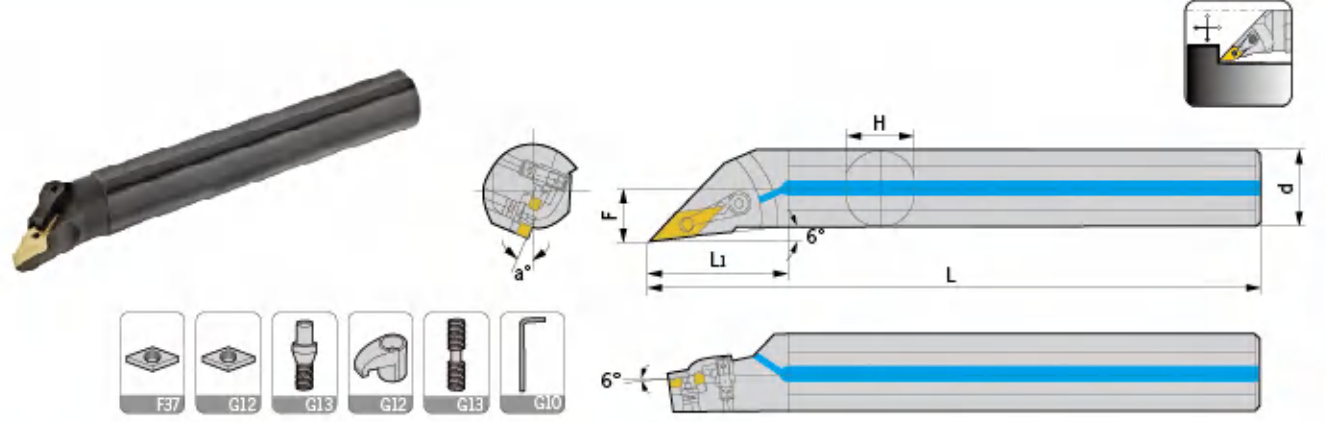
MVWNR/L



型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench	出水孔 Water hole
S25R-MVWNR/L16	40	25	26	200	43	23	12°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
S32S-MVWNR/L16	48	32	30	250	54	30	17°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
H25R-MVWNR/L16	40	25	26	200	43	23	12°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-

适用 Suitable: 德克刀片 DEREK Insert

MXNR/L

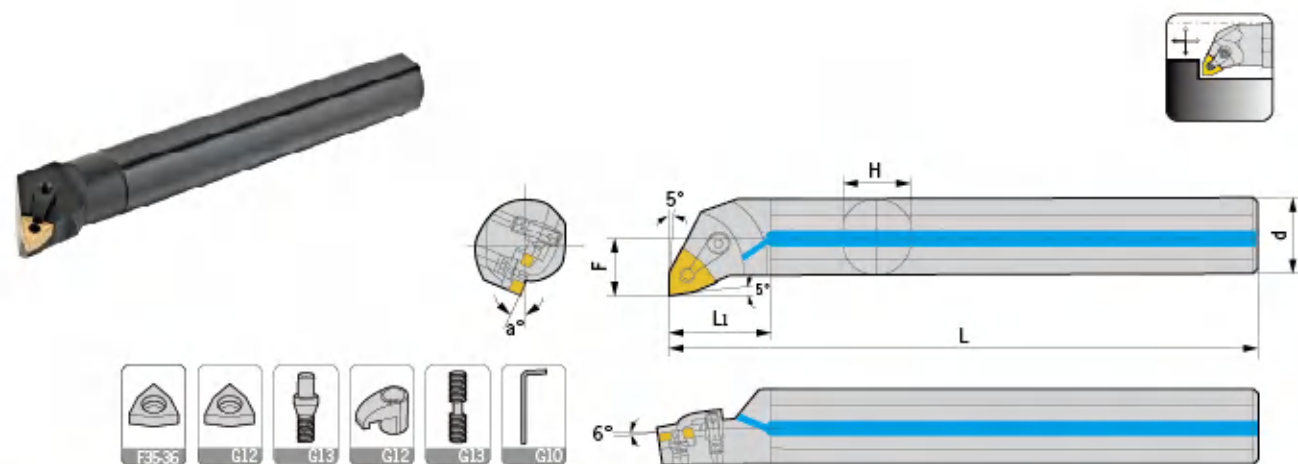


型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MVXNR/L16-G6	27	20	14	180	34	18	15°	VN..1604..	-	MX0510	MY0621	ML0620	L02,L03	-
S25R-MVXNR/L16-G6	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	-
S32S-MVXNR/L16-G6	42	32	23	250	54	30	17°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
H20Q-MVXNR/L16-G6	27	20	14	180	34	18	15°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	-
H25R-MVXNR/L16-G6	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	-
A20Q-MVXNR/L16-G6	27	20	14	180	34	18	15°	VN..1604..	-	MX0510	MY0621	ML0620	L02,L03	√
A25R-MVXNR/L16-G6	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	√

适用 Suitable: 德克刀片 DEREK Insert

# Type M

MWLNR/L

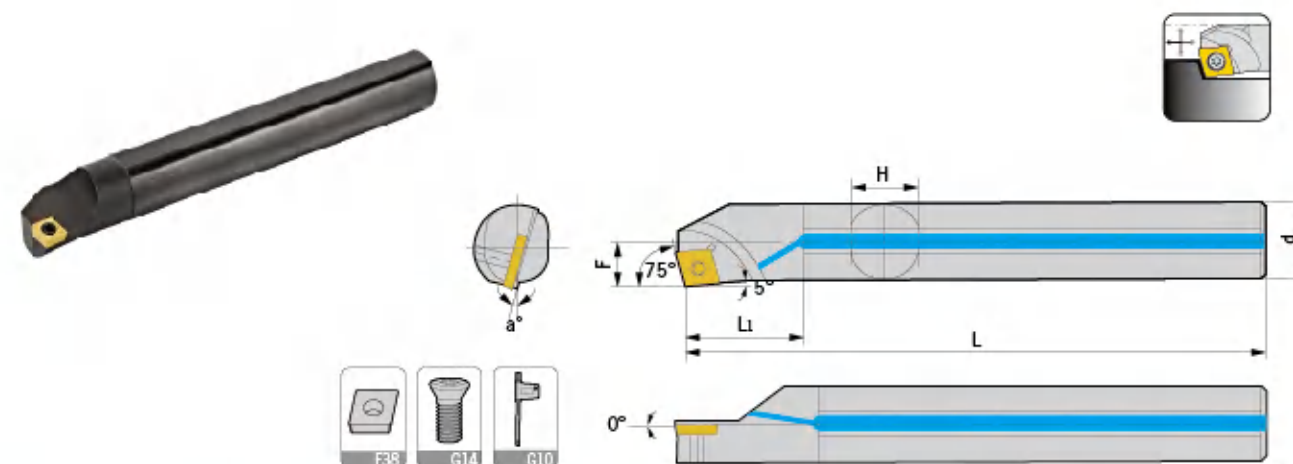


型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀垫 Shim	中心螺丝 Center screw	压板 Clamp	压板螺丝 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MWLNR/L06	25	20	13	180	34	18	15°	WN..0604..	-	MX0510	MY0515-A	ML0520	L025,L02	-
S25R-MWLNR/L06	32	25	16.5	200	43	23	12°	WN..0604..	-	MX0510	MY0515-A	ML0520	L025,L02	-
S20Q-MWLNR/L08	25	20	13	180	34	18	15°	WN..0804..	-	MX0613	MY0515-A	ML0618	L025	-
S25R-MWLNR/L08	32	25	16.5	200	43	23	12°	WN..0804..	-	MX0613	MY0619	ML0620	L025,L03	-
S32S-MWLNR/L08	41	32	22	250	54	30	17°	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03	-
S40T-MWLNR/L08	50	40	26	300	68	37	15°	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03	-
S50U-MWLNR/L08	60	50	31	350	85	47	12°	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03	-
H20Q-MWLNR/L06	25	20	13	180	34	18	15°	WN..0604..	-	MX0510	MY0515-A	ML0520	L02,L025	-
H25R-MWLNR/L06	32	25	16.5	200	43	23	12°	WN..0604..	-	MX0510	MY0515-A	ML0520	L02,L025	-
H20Q-MWLNR/L08	25	20	13	180	34	18	15°	WN..0804..	-	MX0613	MY0515-A	ML0520	L025	-
H25R-MWLNR/L08	32	25	16.5	200	43	23	12°	WN..0804..	-	MX0613	MY0619	ML0620	L025,L03	-
H32S-MWLNR/L08	41	32	22	250	54	30	17°	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03	-
A20Q-MWLNR/L06	25	20	13	180	34	18	15°	WN..0604..	-	MX0510	MY0515-A	ML0520	L025,L02	√
A25R-MWLNR/L06	32	25	16.5	200	43	23	12°	WN..0604..	-	MX0510	MY0515-A	ML0520	L025,L02	√
A20Q-MWLNR/L08	25	20	13	180	34	18	15°	WN..0804..	-	MX0613	MY0515-A	ML0520	L025	√
A25R-MWLNR/L08	32	25	16.5	200	43	23	12°	WN..0804..	-	MX0613	MY0619	ML0620	L025,L03	√
A32S-MWLNR/L08	41	32	22	250	54	30	17°	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SCK\*R/L



型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S08K-SCKCR/L06	10	8	5.5	125	14	7	13°	CC..0602..	M2.5*5	Q08	-
S10K-SCKCR/L06	13	10	6	125	17	9	12°	CC..0602..	M2.5*6	Q08	-
S12M-SCKCR/L06	16	12	7	150	20	11	10°	CC..0602..	M2.5*6	Q08	-
S12M-SCKCR/L09	16	12	8	150	20	11	12°	CC..09T3..	M3.5*8	Q15	-
S16N-SCKCR/L09	20	16	9.5	160	27	15	10°	CC..09T3..	M3.5*8	Q15	-
S20Q-SCKCR/L09	24	20	11.5	180	34	18	8°	CC..09T3..	M3.5*8	Q15	-
S25R-SCKCR/L09	31	25	14	200	43	23	8°	CC..09T3..	M3.5*9	Q15	-
H08K-SCKCR/L06	10	8	5.5	125	16	7	13°	CC..0602..	M2.5*5	Q08	-
H10K-SCKCR/L06	13	10	6	125	20	9	12°	CC..0602..	M2.5*5	Q08	-
H12M-SCKCR/L06	16	12	7	150	24	11	10°	CC..0602..	M2.5*6	Q08	-
H12M-SCKCR/L09	16	12	8	150	24	11	12°	CC..09T3..	M3.5*8	Q15	-
H16N-SCKCR/L09	20	16	9.5	160	32	15	10°	CC..09T3..	M3.5*8	Q15	-
C08K-SCKCR/L06	10	8	5.5	125	14	7	13°	CC..0602..	M2.5*5	Q08	-
C10M-SCKCR/L06	13	10	6	150	17	9	12°	CC..0602..	M2.5*5	Q08	-
C12Q-SCKCR/L06	16	12	7	180	20	11	10°	CC..0602..	M2.5*6	Q08	-
C12Q-SCKCR/L09	16	12	8	180	20	11	12°	CC..09T3..	M3.5*8	Q15	-
C16R-SCKCR/L09	20	16	9.5	200	27	15	10°	CC..09T3..	M3.5*8	Q15	-
C20S-SCKCR/L09	24	20	11.5	250	34	18	8°	CC..09T3..	M3.5*8	Q15	-
S08K-SCKPR/L06	10	8	5.5	125	14	7	10°	CP..0602..	M2.5*5	Q08	-
S10K-SCKPR/L06	13	10	6	125	17	9	8°	CP..0602..	M2.5*5	Q08	-
S12M-SCKPR/L06	16	12	7	150	20	11	6°	CP..0602..	M2.5*6	Q08	-
S10K-SCKPR/L08	13	10	7	125	17	9	10°	CP..0802..	M3*6	Q08	-
S12M-SCKPR/L08	16	12	7.5	150	20	11	8°	CP..0802..	M3*6	Q08	-
S16N-SCKPR/L08	20	16	9.5	160	27	15	6°	CP..0802..	M3*6	Q08	-
S12M-SCKPR/L09	16	12	8	150	20	11	8°	CP..0903..	M3.5*7	Q15	-
S16N-SCKPR/L09	20	16	9.5	160	27	15	6°	CP..0903..	M3.5*8	Q15	-
S20Q-SCKPR/L09	24	20	11.5	180	34	18	4°	CP..0903..	M3.5*8	Q15	-
S25R-SCKPR/L09	31	25	14	200	43	23	4°	CP..0903..	M3.5*8	Q15	-

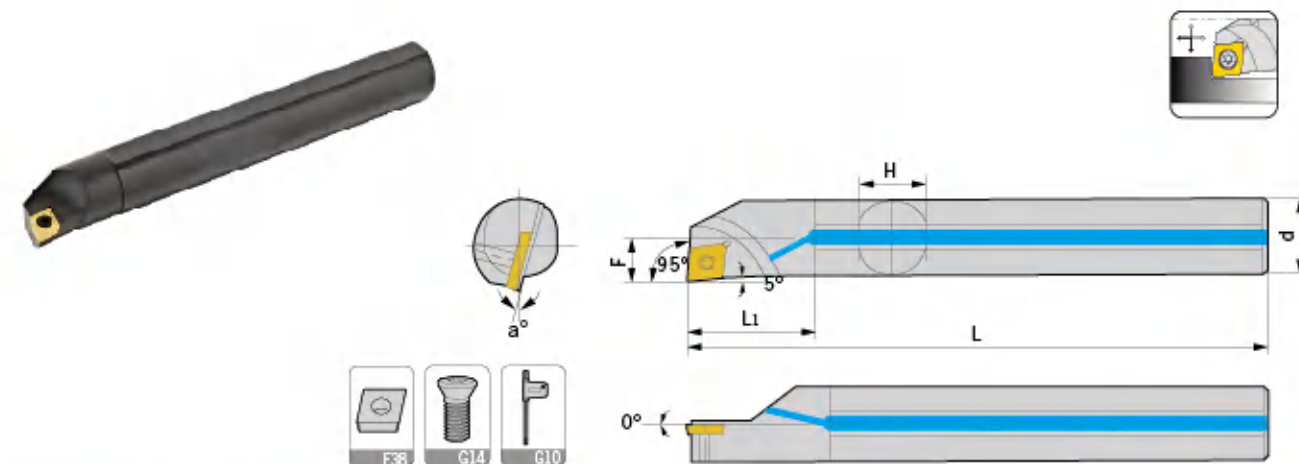
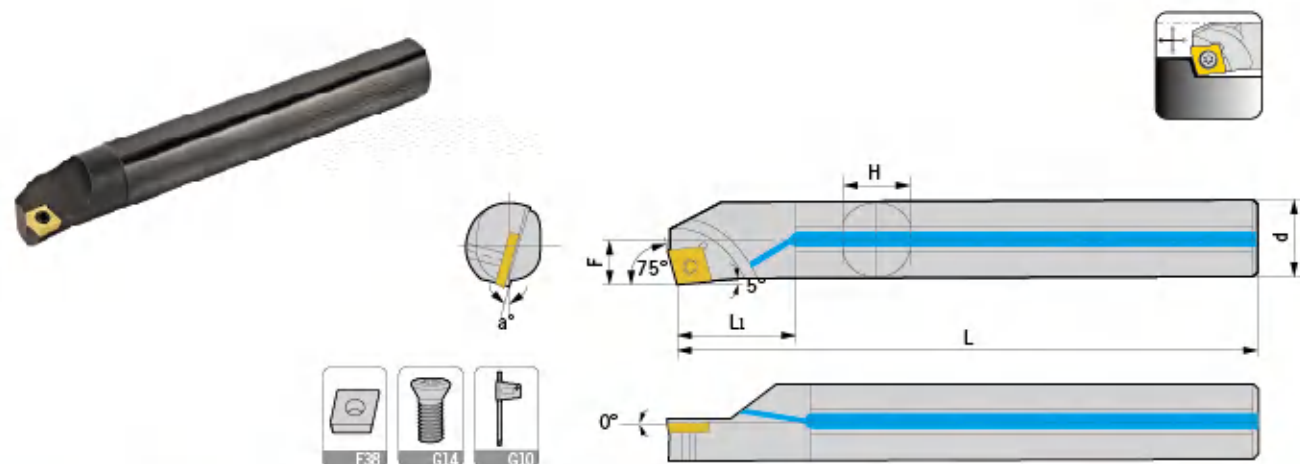
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# Type S

SCK\*R/L

# Type S

SCL\*R/L



型号 Specification	最小加工径 Min dia	d	F	L	Li	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
H08K-SCKPR/L06	10	8	5.5	125	16	7	10°	CP..0602..	M2.5*5	Q08	-
H10K-SCKPR/L06	13	10	6	125	20	9	8°	CP..0602..	M2.5*5	Q08	-
H12M-SCKPR/L06	24	12	7	150	24	11	6°	CP..0602..	M2.5*5	Q08	-
H10K-SCKPR/L08	31	10	7	125	20	9	10°	CP..0802..	M3*6	Q08	-
H12M-SCKPR/L08	16	12	7.5	150	24	11	8°	CP..0802..	M3*6	Q08	-
H16N-SCKPR/L08	20	16	9.5	160	32	15	6°	CP..0802..	M3*6	Q08	-
H12M-SCKPR/L09	16	12	8	150	24	11	8°	CP..0903..	M3.5*7	Q15	-
H16N-SCKPR/L09	20	16	9.5	160	32	15	6°	CP..0903..	M3.5*7	Q15	-
C08K-SCKPR/L06	10	8	5.5	125	14	7	10°	CP..0602..	M2.5*5	Q08	-
C10M-SCKPR/L06	13	10	6	150	17	9	8°	CP..0602..	M2.5*5	Q08	-
C12Q-SCKPR/L06	16	12	7	180	20	11	6°	CP..0602..	M2.5*5	Q08	-
C12Q-SCKPR/L09	16	12	8	180	20	11	8°	CP..0903..	M3.5*7	Q15	-
C16R-SCKPR/L09	20	16	9.5	200	27	15	6°	CP..0903..	M3.5*7	Q15	-
C20S-SCKPR/L09	24	20	11.5	250	34	18	4°	CP..0903..	M3.5*7	Q15	-
A08K-SCKCR/L06	10	8	5.5	125	14	7	13°	CC..0602..	M2.5*5	Q08	√
A10K-SCKCR/L06	13	10	6	125	17	9	12°	CC..0602..	M2.5*5	Q08	√
A12M-SCKCR/L06	16	12	7	150	20	11	10°	CC..0602..	M2.5*5	Q08	√
A12M-SCKCR/L09	16	12	8	150	20	11	12°	CC..09T3..	M3.5*7	Q15	√
A16N-SCKCR/L09	20	16	9.5	160	27	15	10°	CC..09T3..	M3.5*7	Q15	√
A20Q-SCKCR/L09	24	20	11.5	180	34	18	8°	CC..09T3..	M3.5*7	Q15	√
A25R-SCKCR/L09	31	25	14	200	43	23	8°	CC..09T3..	M3.5*7	Q15	√
A10K-SCKPR/L08	13	10	7	125	17	9	10°	CP..0802..	M3*6	Q08	√
A12M-SCKPR/L08	16	12	7.5	150	20	11	8°	CP..0802..	M3*6	Q08	√
A16N-SCKPR/L08	20	16	9.5	160	27	15	6°	CP..0802..	M3*6	Q08	√
A12M-SCKPR/L09	16	12	8	150	20	11	8°	CP..0903..	M3.5*7	Q15	√
A16N-SCKPR/L09	20	16	9.5	160	27	15	6°	CP..0903..	M3.5*7	Q15	√
A20Q-SCKPR/L09	24	20	11.5	180	34	18	4°	CP..0903..	M3.5*7	Q15	√

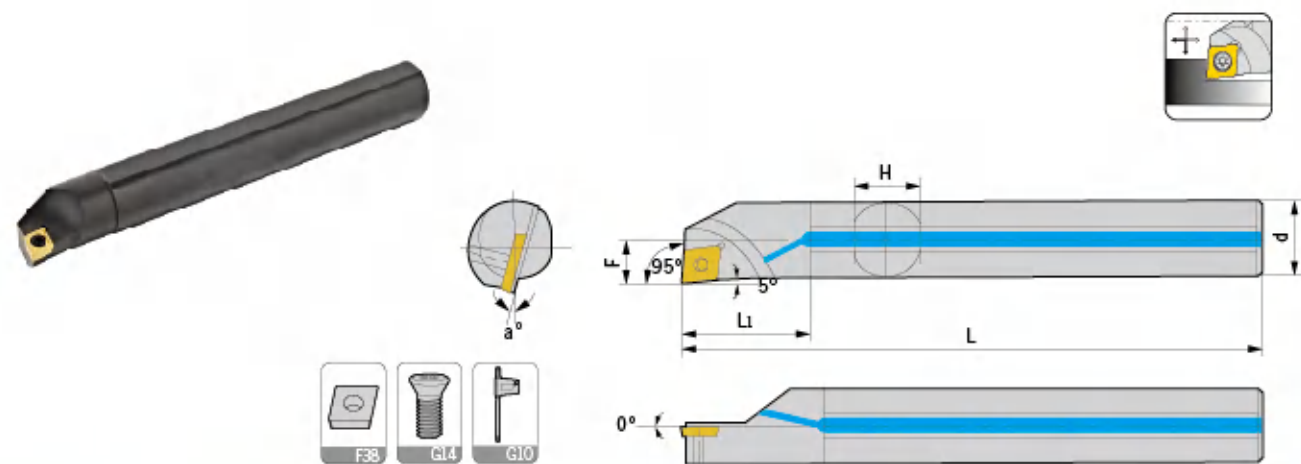
适用 Suitable: 德克刀片 DEREK Insert

型号 Specification	最小加工径 Min dia	d	F	L	Li	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S07K-SCLCR/L06-A16	9	16	4.5	125	15	15	15°	CC..0602..	M2.5*5	Q08	-
S07K-SCLCR/L06	9	8	4.5	125	12	7	15°	CC..0602..	M2.5*5	Q08	-
S08K-SCLCR/L06	10	8	5	125	14	7	13°	CC..0602..	M2.5*5	Q08	-
S08K-SCLCR/L06-A16	12	16	5	125	21	15	13°	CC..0602..	M2.5*5	Q08	-
S10K-SCLCR/L06-A16	13	16	6	125	26	15	12°	CC..0602..	M2.5*6	Q08	-
S10K-SCLCR/L06	13	10	6	125	17	9	12°	CC..0602..	M2.5*6	Q08	-
S12M-SCLCR/L06	16	12	7	150	20	11	10°	CC..0602..	M2.5*6	Q08	-
S16N-SCLCR/L06	20	16	9	160	27	15	8°	CC..0602..	M2.5*7	Q08	-
S12M-SCLCR/L09	16	12	9	150	20	11	12°	CC..09T3..	M3.5*8	Q15	-
S12M-SCLCR/L09-A16	16	16	9	150	31	15	12°	CC..09T3..	M3.5*8	Q15	-
S16N-SCLCR/L09	20	16	9.5	160	27	15	10°	CC..09T3..	M3.5*8	Q15	-
S20Q-SCLCR/L09	25	20	11.5	180	34	18	8°	CC..09T3..	M3.5*9	Q15	-
S25R-SCLCR/L09	31	25	14	200	34	23	6°	CC..09T3..	M3.5*9	Q15	-
S32S-SCLCR/L09	39	32	17.5	250	54	30	4°	CC..09T3..	M3.5*9	Q15	-
S40T-SCLCR/L09	50	40	21	300	68	37	0°	CC..09T3..	M3.5*9	Q15	-
S20Q-SCLCR/L12	25	20	12	180	34	18	10°	CC..1204..	M5*10	Q20	-
S25R-SCLCR/L12	32	25	14.5	200	43	23	8°	CC..1204..	M5*12	Q20	-
S32S-SCLCR/L12	39	32	18	250	54	30	6°	CC..1204..	M5*12	Q20	-
S40T-SCLCR/L12	50	40	22	300	68	37	4°	CC..1204..	M5*12	Q20	-
H08K-SCLCR/L06	10	8	5	125	16	7	13°	CC..0602..	M2.5*5	Q08	-
H10K-SCLCR/L06	13	10	6	125	20	9	12°	CC..0602..	M2.5*6	Q08	-
H12M-SCLCR/L06	16	12	7	150	24	11	10°	CC..0602..	M2.5*6	Q08	-
H12M-SCLCR/L09	16	12	9	150	24	11	12°	CC..09T3..	M3.5*8	Q15	-
H16N-SCLCR/L09	20	16	9.5	160	32	15	10°	CC..09T3..	M3.5*8	Q15	-
C08K-SCLCR/L06	10	8	5	125	14	7	13°	CC..0602..	M2.5*5	Q08	-
C10M-SCLCR/L06	13	10	6	150	17	9	12°	CC..0602..	M2.5*6	Q08	-
C12Q-SCLCR/L06	16	12	7	180	20	11	10°	CC..0602..	M2.5*6	Q08	-
C12Q-SCLCR/L09	16	12	9	180	20	11	12°	CC..09T3..	M3.5*8	Q15	-
C16R-SCLCR/L09	20	16	9.5	200	27	15	10°	CC..09T3..	M3.5*8	Q15	-
C20S-SCLCR/L09	25	20	11.5	250	34	18	8°	CC..09T3..	M3.5*9	Q15	-
C20S-SCLCR/L12	25	20	12	250	34	18	10°	CC..1204..	M5*10	Q20	-

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# Type S

SCL\*R/L

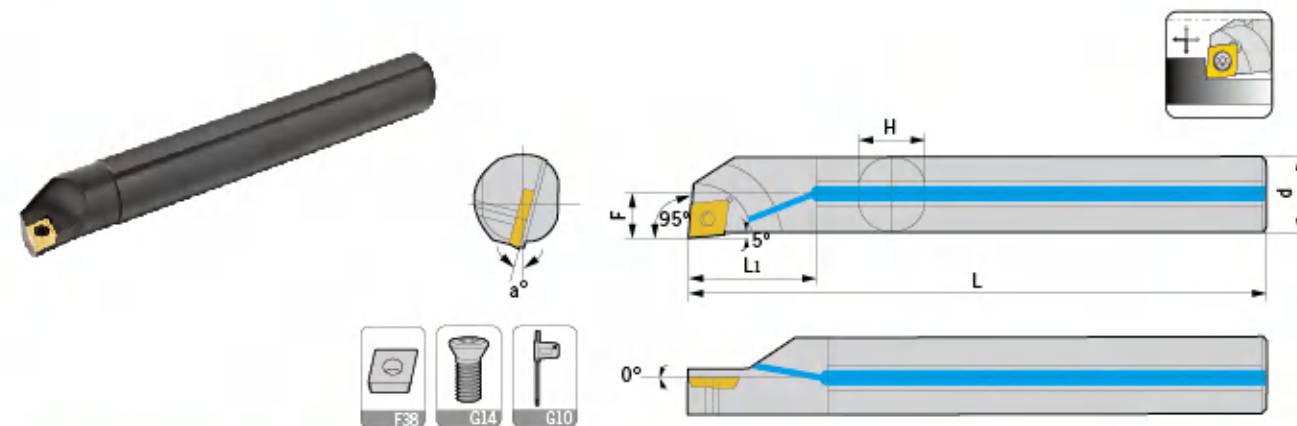


型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S08K-SCLPR/L06	10	8	5	125	14	7	10°	CP..0602..	M2.5*5	Q08	-
S10K-SCLPR/L06	13	10	6	125	17	9	8°	CP..0602..	M2.5*5	Q08	-
S12M-SCLPR/L06	16	12	7	150	20	11	6°	CP..0602..	M2.5*6	Q08	-
S10K-SCLPR/L08	13	10	6	125	17	9	8°	CP..0802..	M3*6	Q08	-
S12M-SCLPR/L08	16	12	7	150	20	11	6°	CP..0802..	M3*6	Q08	-
S16N-SCLPR/L08	20	16	9	160	27	15	4°	CP..0802..	M3*7	Q08	-
S20Q-SCLPR/L08	25	20	11	180	34	18	2°	CP..0802..	M3*7	Q08	-
S12M-SCLPR/L09	16	12	9	150	20	11	10°	CP..0903..	M3.5*7	Q15	-
S16N-SCLPR/L09	20	16	9.5	160	27	15	8°	CP..0903..	M3.5*7	Q15	-
S20Q-SCLPR/L09	25	20	11.5	180	34	18	6°	CP..0903..	M3.5*9	Q15	-
S25R-SCLPR/L09	31	25	14	200	43	23	4°	CP..0903..	M3.5*9	Q15	-
S32S-SCLPR/L09	39	32	17.5	250	54	30	4°	CP..0903..	M3.5*9	Q15	-
A07K-SCLCR/L06	9	8	4.5	125	12	7	15°	CC..0602..	M2.5*5	Q08	√
A08K-SCLCR/L06	10	8	5	125	14	7	13°	CC..0602..	M2.5*5	Q08	√
A10K-SCLCR/L06	13	10	6	125	17	9	12°	CC..0602..	M2.5*6	Q08	√
A12M-SCLCR/L06	16	12	7	150	20	11	10°	CC..0602..	M2.5*6	Q08	√
A16N-SCLCR/L06	20	16	9	160	27	15	8°	CC..0602..	M2.5*6	Q08	√
A12M-SCLCR/L09	16	12	9	150	20	11	12°	CC..09T3..	M3.5*7	Q15	√
A16N-SCLCR/L09	20	16	9.5	160	27	15	10°	CC..09T3..	M3.5*7	Q15	√
A20Q-SCLCR/L09	25	20	11.5	180	34	18	8°	CC..09T3..	M3.5*9	Q15	√
A25R-SCLCR/L09	31	25	14	200	43	23	6°	CC..09T3..	M3.5*9	Q15	√
A20Q-SCLCR/L12	25	20	12	180	34	18	10°	CC..1204..	M5*10	Q20	√
A25R-SCLCR/L12	32	25	14.5	200	43	23	8°	CC..1204..	M5*10	Q20	√
A08K-SCLPR/L06	10	8	5	125	14	7	10°	CP..0602..	M2.5*5	Q08	√
A10K-SCLPR/L06	13	10	6	125	17	9	8°	CP..0602..	M2.5*5	Q08	√
A12M-SCLPR/L06	16	12	7	150	20	11	6°	CP..0602..	M2.5*5	Q08	√
A10K-SCLPR/L08	13	10	6	125	17	9	8°	CP..0802..	M3*6	Q08	√
A12M-SCLPR/L08	16	12	7	150	20	11	6°	CP..0802..	M3*6	Q08	√
A16N-SCLPR/L08	20	16	9	160	27	15	4°	CP..0802..	M3*7	Q08	√
A20Q-SCLPR/L08	25	20	11	180	34	18	2°	CP..0802..	M3*7	Q08	√
A12M-SCLPR/L09	16	12	9	150	20	11	10°	CP..0903..	M3.5*7	Q15	√
A16N-SCLPR/L09	20	16	9.5	160	27	15	8°	CP..0903..	M3.5*7	Q15	√
A20Q-SCLPR/L09	25	20	11.5	180	34	18	6°	CP..0903..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SCLCR/L\*H

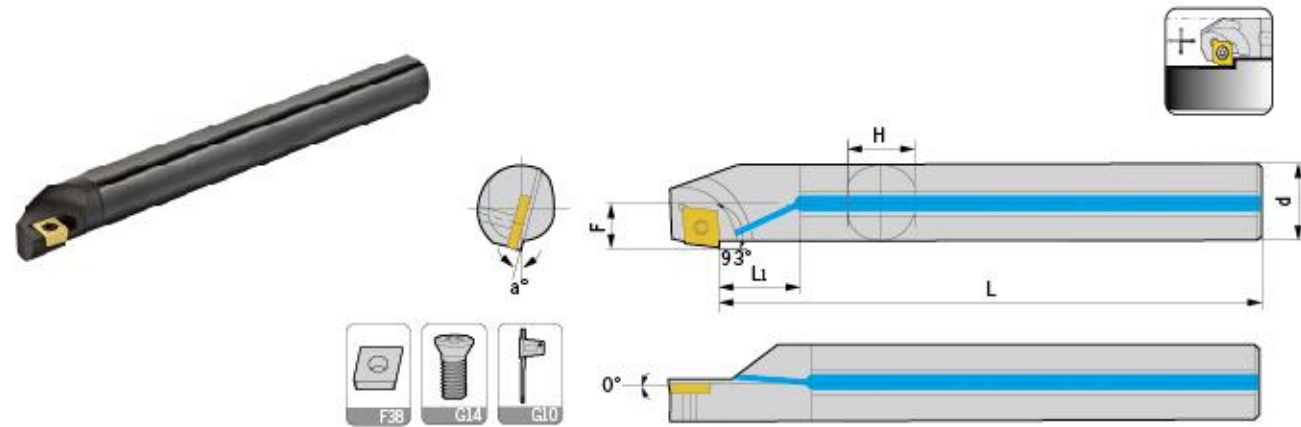


型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S08K-SCLCR/L06H09	9	8	4.25	125	14	7	13°	CC..0602..	M2.5*5	Q08	-
S10K-SCLCR/L06H11	11	10	5.25	125	17	9	12°	CC..0602..	M2.5*6	Q08	-
S12M-SCLCR/L06H13	13	12	6.25	150	20	11	10°	CC..0602..	M2.5*6	Q08	-
S16N-SCLCR/L09H17	17	16	8.5	160	27	15	10°	CC..09T3..	M3.5*8	Q15	-
A08K-SCLCR/L06H09	9	8	4.25	125	14	7	13°	CC..0602..	M2.5*5	Q08	√
A10K-SCLCR/L06H11	11	10	5.25	125	17	9	12°	CC..0602..	M2.5*6	Q08	√
A12M-SCLCR/L06H13	13	12	6.25	150	20	11	10°	CC..0602..	M2.5*6	Q08	√
A16N-SCLCR/L09H17	17	16	8.5	160	27	15	10°	CC..09T3..	M3.5*8	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SCZCR/L

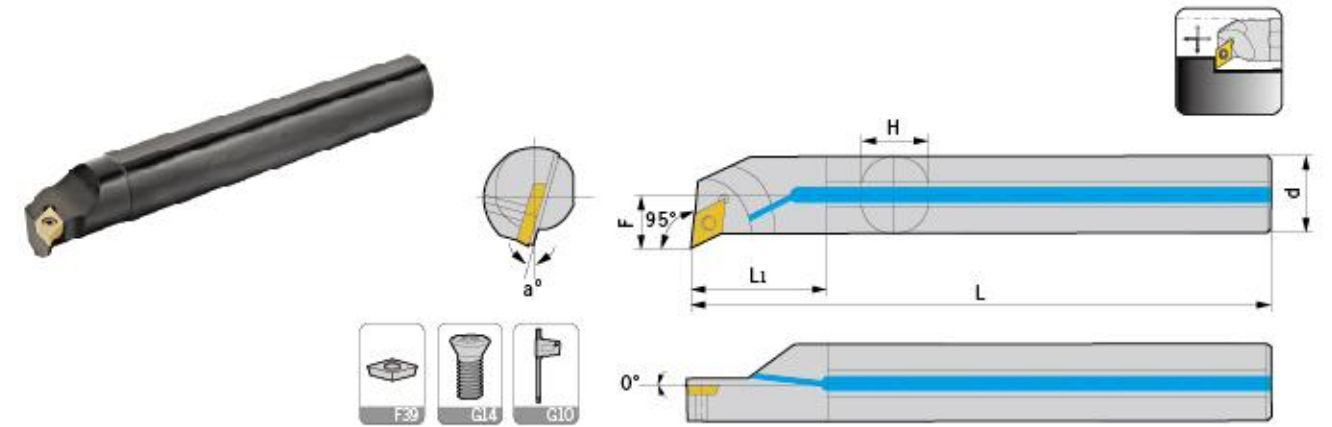


型号 Specification	最小 加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S08K-SCZCR/L06	12	8	6.5	125	14	7	13°	CC..0602..	M2.5*5	Q08	-
S10K-SCZCR/L06	14	10	7.5	125	17	9	12°	CC..0602..	M2.5*6	Q08	-
S12M-SCZCR/L06	16	12	8.5	150	20	11	10°	CC..0602..	M2.5*6	Q08	-
S16N-SCZCR/L06	20	16	10.5	160	27	15	8°	CC..0602..	M2.5*7	Q08	-
S16N-SCZCR/L09	21	16	11.5	160	27	15	10°	CC..09T3..	M3.5*8	Q15	-
S20Q-SCZCR/L09	25	20	13.5	180	34	18	8°	CC..09T3..	M3.5*9	Q15	-
S25R-SCZCR/L09	32	25	16	200	43	23	6°	CC..09T3..	M3.5*9	Q15	-
H08K-SCZCR/L06	12	8	6.5	125	16	7	13°	CC..0602..	M2.5*5	Q08	-
H10K-SCZCR/L06	14	10	7.5	125	20	9	12°	CC..0602..	M2.5*6	Q08	-
H12M-SCZCR/L06	16	12	8.5	150	24	11	10°	CC..0602..	M2.5*6	Q08	-
H16N-SCZCR/L06	20	16	10.5	160	32	15	8°	CC..0602..	M2.5*7	Q08	-
H16N-SCZCR/L09	21	16	11.5	160	32	15	10°	CC..09T3..	M3.5*9	Q15	-
A08K-SCZCR/L06	12	8	6.5	125	14	7	13°	CC..0602..	M2.5*5	Q08	√
A10K-SCZCR/L06	14	10	7.5	125	17	9	12°	CC..0602..	M2.5*6	Q08	√
A12M-SCZCR/L06	16	12	8.5	150	20	11	10°	CC..0602..	M2.5*6	Q08	√
A16N-SCZCR/L09	21	16	11.5	160	27	15	10°	CC..09T3..	M3.5*9	Q15	√
A20Q-SCZCR/L09	25	20	13.5	180	34	18	8°	CC..09T3..	M3.5*9	Q15	√
A25R-SCZCR/L09	32	25	16	200	43	23	6°	CC..09T3..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SDLCR/L



型号 Specification	最小 加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S10K-SDLCR/L07	15	10	8	125	17	9	10°	DC..0702..	M2.5*6	Q08	-
S12M-SDLCR/L07	17	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	-
S16N-SDLCR/L07	22	16	11	160	27	15	6°	DC..0702..	M2.5*7	Q08	-
S20Q-SDLCR/L11	25	20	13	180	34	18	6°	DC..11T3..	M3.5*9	Q15	-
S25R-SDLCR/L11	32	25	16	200	43	23	4°	DC..11T3..	M3.5*9	Q15	-
S32S-SDLCR/L11	39	32	20	250	54	30	4°	DC..11T3..	M3.5*9	Q15	-
H10K-SDLCR/L07	15	10	8	125	20	9	10°	DC..0702..	M2.5*6	Q08	-
H12M-SDLCR/L07	17	12	9	150	24	11	8°	DC..0702..	M2.5*6	Q08	-
H16N-SDLCR/L07	22	16	11	160	32	15	6°	DC..0702..	M2.5*7	Q08	-
C10K-SDLCR/L07	15	10	8	125	17	9	10°	DC..0702..	M2.5*6	Q08	-
C12M-SDLCR/L07	17	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	-
C16N-SDLCR/L07	22	16	11	160	27	15	6°	DC..0702..	M2.5*7	Q08	-
C20Q-SDLCR/L11	25	20	13	180	34	18	6°	DC..11T3..	M3.5*9	Q15	-
A10K-SDLCR/L07	15	10	8	125	17	9	10°	DC..0702..	M2.5*6	Q08	√
A12M-SDLCR/L07	17	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	√
A16N-SDLCR/L07	22	16	11	160	24	15	6°	DC..0702..	M2.5*7	Q08	√
A20Q-SDLCR/L11	25	20	13	180	34	18	6°	DC..11T3..	M3.5*9	Q15	√
A25R-SDLCR/L11	32	25	16	200	43	23	4°	DC..11T3..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

车刀系列  
TURNING TOOLS

外圆车刀  
External turning tool

内孔车刀  
Internal turning tool

螺纹车刀  
Threading tool

切槽车刀  
Grooving tool

切屑车刀  
Chipping tool

车刀系列  
TURNING TOOLS

外圆车刀  
External turning tool

内孔车刀  
Internal turning tool

螺纹车刀  
Threading tool

切槽车刀  
Grooving tool

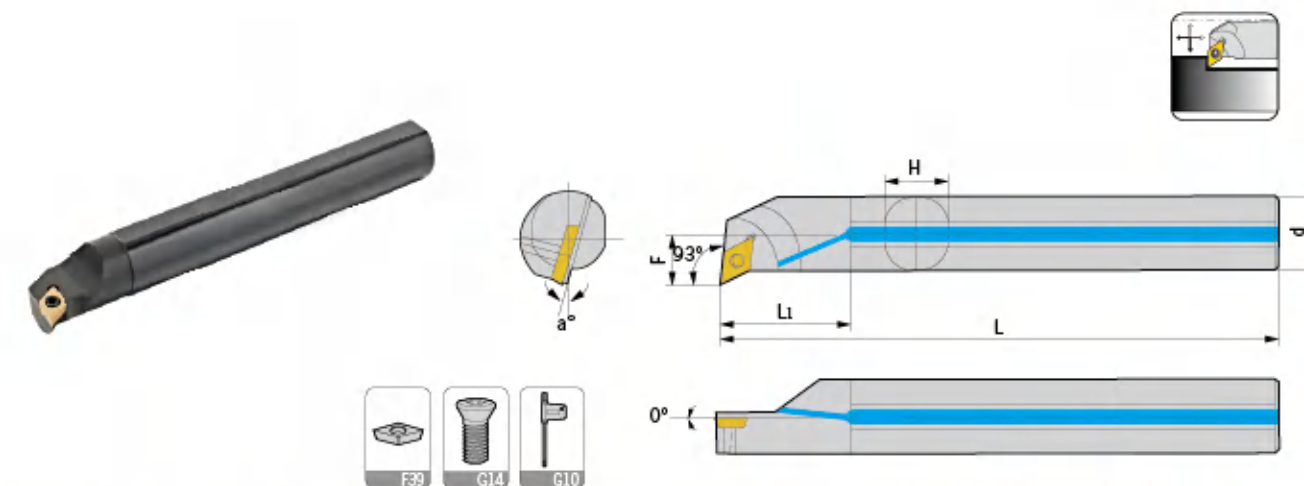
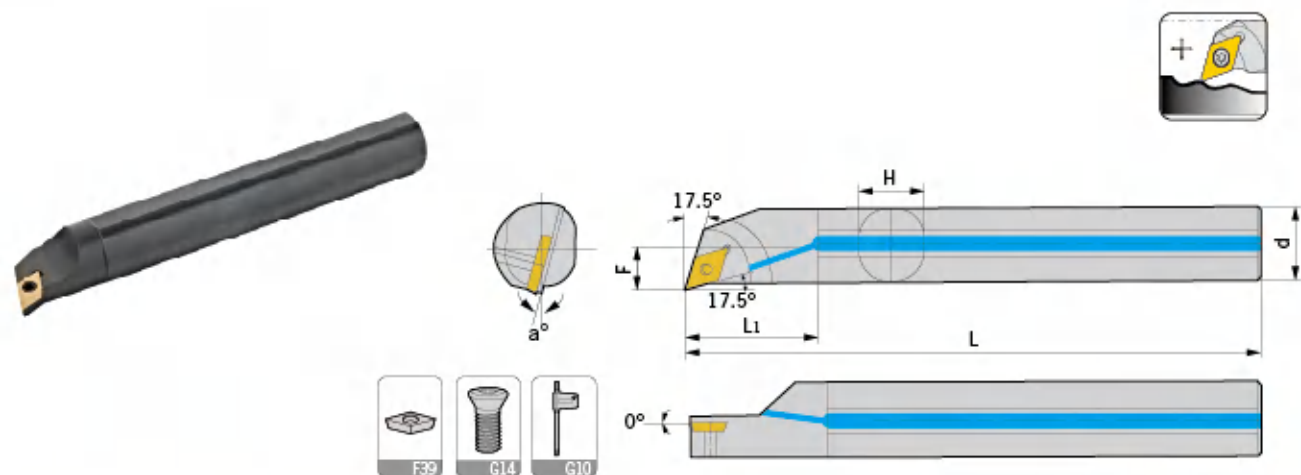
切屑车刀  
Chipping tool

# Type S

SDQCR/L

# Type S

SDUCR/L



型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S10K-SDQCR/L07	13	10	7	125	17	9	10°	DC..0702..	M2.5*6	Q08	-
S12M-SDQCR/L07	16	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	-
S16N-SDQCR/L07	20	16	10.5	160	27	15	6°	DC..0702..	M2.5*7	Q08	-
S20Q-SDQCR/L11	25	20	13	180	34	18	6°	DC..11T3..	M3.5*9	Q15	-
S25R-SDQCR/L11	32	25	16	200	43	23	4°	DC..11T3..	M3.5*9	Q15	-
S32S-SDQCR/L11	9	32	20	250	54	30	4°	DC..11T3..	M3.5*9	Q15	-
H10K-SDQCR/L07	13	10	7	125	17	9	10°	DC..0702..	M2.5*6	Q08	-
H12M-SDQCR/L07	16	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	-
H16N-SDQCR/L07	20	16	10.5	160	27	15	6°	DC..0702..	M2.5*7	Q08	-
C10K-SDQCR/L07	13	10	7	150	17	9	10°	DC..0702..	M2.5*6	Q08	-
C12M-SDQCR/L07	16	12	9	180	20	11	8°	DC..0702..	M2.5*6	Q08	-
C16N-SDQCR/L07	20	16	10.5	200	27	15	6°	DC..0702..	M2.5*7	Q08	-
C20Q-SDQCR/L11	25	20	13	250	34	19	6°	DC..11T3..	M3.5*9	Q15	-
A10K-SDQCR/L07	13	10	7	125	17	9	10°	DC..0702..	M2.5*6	Q08	√
A12M-SDQCR/L07	16	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	√
A16N-SDQCR/L07	20	16	10.5	160	27	15	6°	DC..0702..	M2.5*7	Q08	√
A20Q-SDQCR/L11	25	20	13	180	34	18	6°	DC..11T3..	M3.5*9	Q15	√
A25R-SDQCR/L11	32	25	16	200	43	23	4°	DC..11T3..	M3.5*9	Q15	√

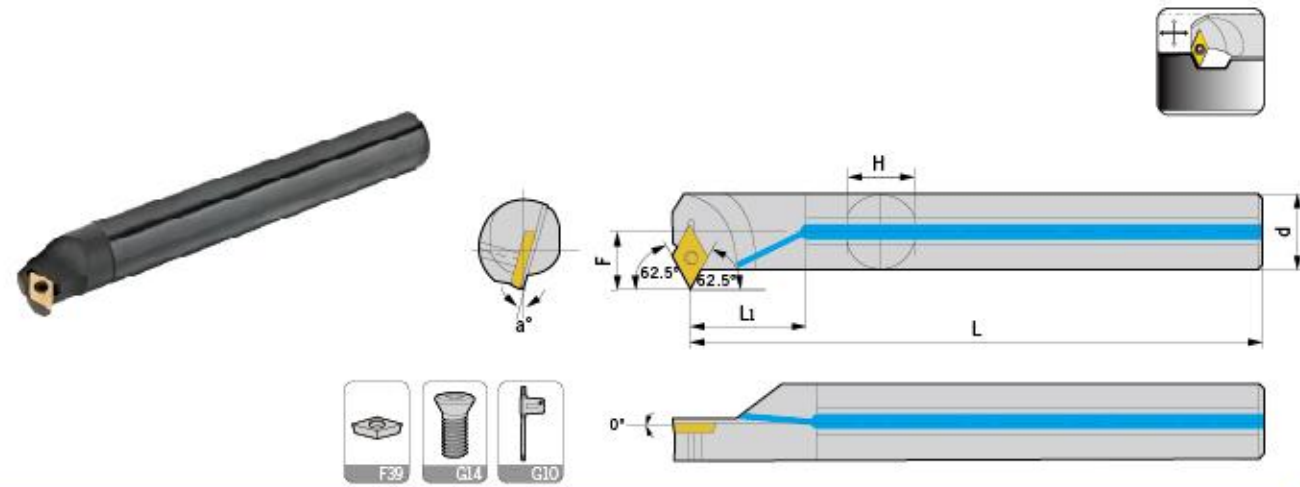
适用 Suitable: 德克刀片 DEREK Insert

型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S10K-SDUCR/L07	15	10	8	125	17	9	10°	DC..0702..	M2.5*6	Q08	-
S12M-SDUCR/L07	17	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	-
S14N-SDUCR/L07	19	16	10	160	24	13	6°	DC..0702..	M2.5*6	Q08	-
S16N-SDUCR/L07	22	16	11	160	27	15	6°	DC..0702..	M2.5*7	Q08	-
S20Q-SDUCR/L07	25	20	13	180	34	18	6°	DC..0702..	M2.5*7	Q08	-
S16N-SDUCR/L11	22	16	11	160	27	15	8°	DC..11T3..	M3.5*9	Q15	-
S20Q-SDUCR/L11	25	20	13	180	34	18	6°	DC..11T3..	M3.5*9	Q15	-
S25R-SDUCR/L11	32	25	16	200	43	23	4°	DC..11T3..	M3.5*9	Q15	-
S32S-SDUCR/L11	39	32	20	250	54	30	4°	DC..11T3..	M3.5*9	Q15	-
S40T-SDUCR/L11	50	40	24	300	68	37	2°	DC..11T3..	M3.5*9	Q15	-
H10K-SDUCR/L07	15	10	8	125	20	9	10°	DC..0702..	M2.5*6	Q08	-
H12M-SDUCR/L07	17	12	9	150	24	11	8°	DC..0702..	M2.5*6	Q08	-
H16N-SDUCR/L07	22	16	11	160	32	15	6°	DC..0702..	M2.5*7	Q08	-
C10K-SDUCR/L07	15	10	8	125	17	9	10°	DC..0702..	M2.5*6	Q08	-
C12M-SDUCR/L07	17	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	-
C16N-SDUCR/L07	22	16	11	160	27	15	6°	DC..0702..	M2.5*7	Q08	-
C20Q-SDUCR/L11	25	20	13	180	34	19	6°	DC..11T3..	M3.5*9	Q15	-
A10K-SDUCR/L07	15	10	8	125	17	9	10°	DC..0702..	M2.5*6	Q08	√
A12M-SDUCR/L07	17	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	√
A14N-SDUCR/L07	19	16	10	160	24	13	6°	DC..0702..	M2.5*6	Q08	√
A16N-SDUCR/L07	22	16	11	160	27	15	6°	DC..0702..	M2.5*7	Q08	√
A20Q-SDUCR/L07	25	20	13	180	34	18	6°	DC..0702..	M2.5*7	Q08	√
A16N-SDUCR/L11	22	16	11	160	27	15	8°	DC..11T3..	M3.5*9	Q15	√
A20Q-SDUCR/L11	25	20	13	180	34	18	6°	DC..11T3..	M3.5*9	Q15	√
A25R-SDUCR/L11	32	25	16	200	43	23	4°	DC..11T3..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SDWCR/L

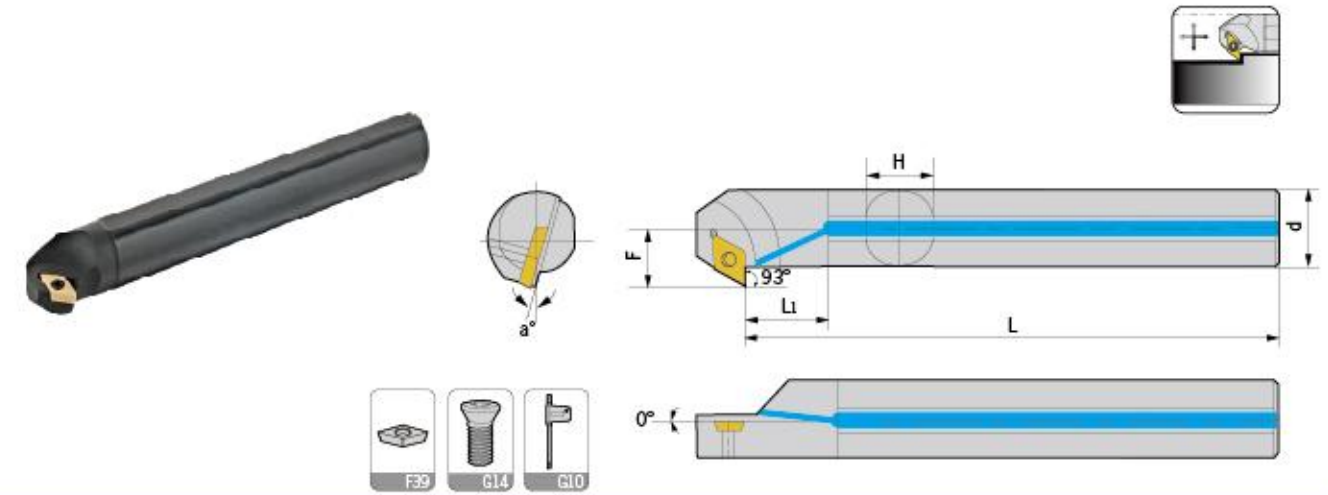


型号 Specification	最小 加工径 Min dia	d	F	L	Li	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S12M-SDWCR/L07	19	12	10.5	150	20	11	10°	DC..0702..	M2.5*7	Q08	-
S16N-SDWCR/L07	23	16	12.5	160	27	15	8°	DC..0702..	M2.5*7	Q08	-
S20Q-SDWCR/L07	27	20	14.5	180	34	18	6°	DC..0702..	M2.5*7	Q08	-
S20Q-SDWCR/L11	25	20	14.5	180	34	18	6°	DC..11T3..	M3.5*9	Q15	-
S25R-SDWCR/L11	32	25	17	200	43	23	4°	DC..11T3..	M3.5*9	Q15	-
S32S-SDWCR/L11	40	32	20	250	54	30	2°	DC..11T3..	M3.5*9	Q15	-
H12M-SDWCR/L07	19	12	10.5	150	20	11	10°	DC..0702..	M2.5*7	Q08	-
H16N-SDWCR/L07	23	16	12.5	160	27	15	8°	DC..0702..	M2.5*7	Q08	-
A12M-SDWCR/L07	19	12	10.5	150	20	11	10°	DC..0702..	M2.5*7	Q08	√
A16N-SDWCR/L07	23	16	12.5	160	27	15	8°	DC..0702..	M2.5*7	Q08	√
A20Q-SDWCR/L07	27	20	14.5	180	34	18	6°	DC..0702..	M2.5*7	Q08	√
A20Q-SDWCR/L11	25	20	14.5	180	34	18	6°	DC..11T3..	M3.5*9	Q15	√
A25R-SDWCR/L11	32	25	17	200	43	23	4°	DC..11T3..	M3.5*9	Q15	√
A32S-SDWCR/L11	40	32	20	250	54	30	2°	DC..11T3..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SDZCR/L



型号 Specification	最小 加工径 Min dia	d	F	L	Li	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S10K-SDZCR/L07	15	10	8.5	125	17	9	12°	DC..0702..	M2.5*6	Q08	-
S12M-SDZCR/L07	18	12	9.5	150	20	11	10°	DC..0702..	M2.5*7	Q08	-
S16N-SDZCR/L07	24	16	11.5	160	27	15	8°	DC..0702..	M2.5*7	Q08	-
S20Q-SDZCR/L11	28	20	14.5	180	34	18	8°	DC..11T3..	M3.5*9	Q15	-
S25R-SDZCR/L11	34	25	17	200	43	23	6°	DC..11T3..	M3.5*9	Q15	-
S32S-SDZCR/L11	38	32	20.5	250	54	30	4°	DC..11T3..	M3.5*9	Q15	-
H10Q-SDZCR/L07	15	10	8.5	125	17	9	12°	DC..0702..	M2.5*6	Q08	-
H12M-SDZCR/L07	18	12	9.5	150	20	11	10°	DC..0702..	M2.5*7	Q08	-
H16N-SDZCR/L07	24	16	11.5	160	27	15	8°	DC..0702..	M2.5*7	Q08	-
A10K-SDZCR/L07	15	10	8.5	125	17	9	12°	DC..0702..	M2.5*6	Q08	√
A12M-SDZCR/L07	18	12	9.5	150	20	11	10°	DC..0702..	M2.5*7	Q08	√
A16N-SDZCR/L07	24	16	11.5	160	27	15	8°	DC..0702..	M2.5*7	Q08	√
A20Q-SDZCR/L07	26	20	13.5	180	20	18	8°	DC..0702..	M2.5*7	Q08	√
A25R-SDZCR/L07	32	25	16	200	27	23	8°	DC..0702..	M2.5*7	Q08	√
A20Q-SDZCR/L11	28	20	14.5	180	34	18	8°	DC..11T3..	M3.5*9	Q15	√
A25R-SDZCR/L11	34	25	17	200	43	23	6°	DC..11T3..	M3.5*9	Q15	√
A32S-SDZCR/L11	38	32	20.5	250	54	30	4°	DC..11T3..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

车刀系列  
TURNING TOOLS

外圆车刀  
External turning tool

内孔车刀  
Internal turning tool

螺纹车刀  
Threading tool

切槽车刀  
Grooving tool

车刀系列  
TURNING TOOLS

外圆车刀  
External turning tool

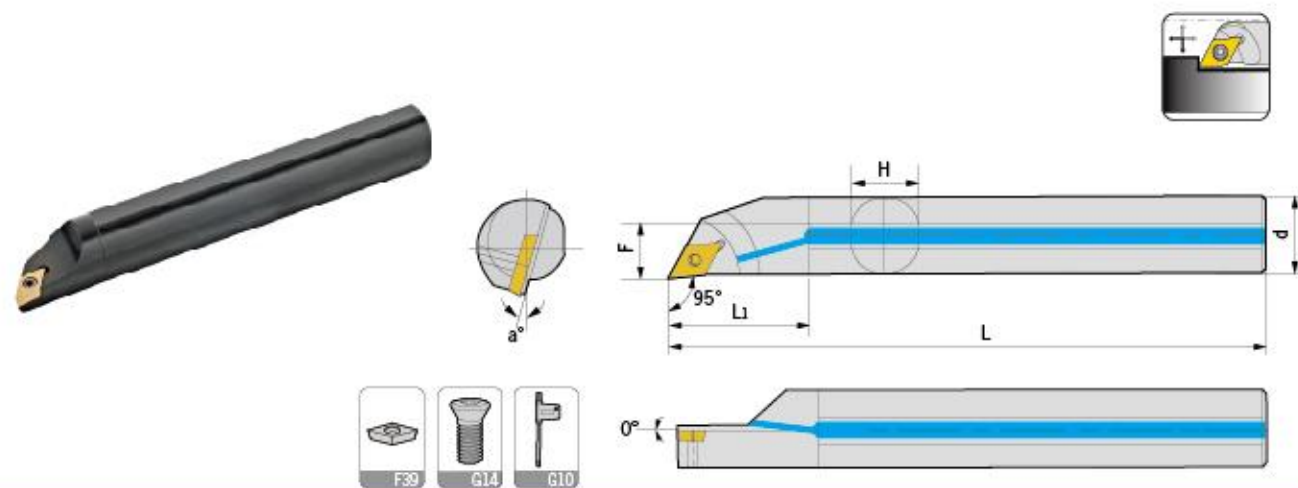
内孔车刀  
Internal turning tool

螺纹车刀  
Threading tool

切槽车刀  
Grooving tool

# Type S

SDXCR/L

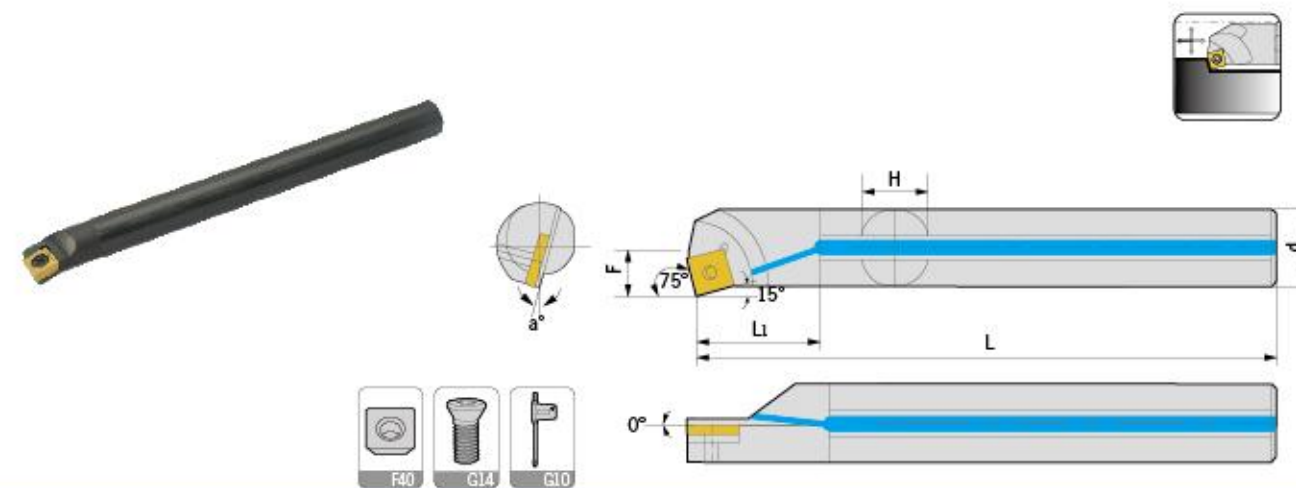


型号 Specification	最小 加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S08K-SDXCR/L07-G5	10	8	5	125	14	7	12°	DC..0702..	M2.5*5	Q08	-
S10K-SDXCR/L07-G5	13	10	6	125	17	9	10°	DC..0702..	M2.5*5	Q08	-
S12M-SDXCR/L07-G5	16	12	7	150	20	11	8°	DC..0702..	M2.5*6	Q08	-
S16N-SDXCR/L07-G5	20	16	9	160	27	15	6°	DC..0702..	M2.5*7	Q08	-
S16N-SDXCR/L11-G5	20	16	9	160	27	15	8°	DC..11T3..	M3.5*8	Q15	-
S20Q-SDXCR/L11-G5	25	20	11.5	180	34	18	6°	DC..11T3..	M3.5*9	Q15	-
S25R-SDXCR/L11-G5	32	25	14	200	43	23	4°	DC..11T3..	M3.5*9	Q15	-
H08K-SDXCR/L07-G5	10	8	5	125	16	7	12°	DC..0702..	M2.5*5	Q08	-
H10K-SDXCR/L07-G5	13	10	6	125	20	9	10°	DC..0702..	M2.5*5	Q08	-
H12M-SDXCR/L07-G5	16	12	7	150	24	11	8°	DC..0702..	M2.5*6	Q08	-
H16N-SDXCR/L07-G5	20	16	9	160	32	15	6°	DC..0702..	M2.5*7	Q08	-
A08K-SDXCR/L07-G5	10	8	5	125	14	7	12°	DC..0702..	M2.5*5	Q08	√
A10K-SDXCR/L07-G5	13	10	6	125	17	9	10°	DC..0702..	M2.5*5	Q08	√
A12M-SDXCR/L07-G5	16	12	7	150	20	11	8°	DC..0702..	M2.5*6	Q08	√
A16N-SDXCR/L07-G5	20	16	9	160	27	15	6°	DC..0702..	M2.5*7	Q08	√
A16N-SDXCR/L11-G5	20	16	9	160	27	15	8°	DC..11T3..	M3.5*8	Q15	√
A20Q-SDXCR/L11-G5	25	20	11.5	180	34	18	6°	DC..11T3..	M3.5*9	Q15	√
A25R-SDXCR/L11-G5	32	25	14	200	43	23	4°	DC..11T3..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SSK\*R/L

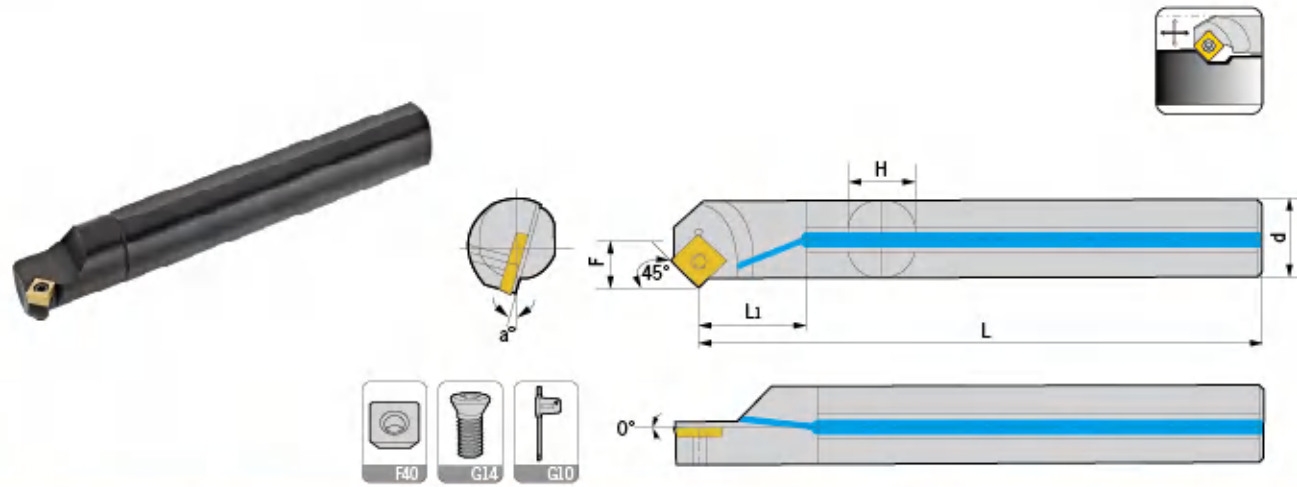


型号 Specification	最小 加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S12M-SSKCR/L09	16	12	8.5	150	20	11	12°	SC..09T3..	M3.5*8	Q15	-
S16N-SSKCR/L09	20	16	10.5	160	27	15	10°	SC..09T3..	M3.5*8	Q15	-
S20Q-SSKCR/L09	24	20	12.5	180	34	18	8°	SC..09T3..	M3.5*9	Q15	-
S25R-SSKCR/L09	31	25	15	200	43	23	6°	SC..09T3..	M3.5*9	Q15	-
H12M-SSKCR/L09	16	12	8.5	150	20	11	12°	SC..09T3..	M3.5*8	Q15	-
H16N-SSKCR/L09	20	16	10.5	160	27	15	10°	SC..09T3..	M3.5*8	Q15	-
S12M-SSKPR/L09	16	12	8.5	150	20	11	8°	SP..0903..	M3.5*8	Q15	-
S16N-SSKPR/L09	20	16	10.5	160	27	15	6°	SP..0903..	M3.5*8	Q15	-
H12M-SSKPR/L09	16	12	8.5	150	20	11	8°	SP..0903..	M3.5*8	Q15	-
H16N-SSKPR/L09	20	16	10.5	160	27	15	6°	SP..0903..	M3.5*8	Q15	-
A12M-SSKCR/L09	16	12	8.5	150	20	11	12°	SC..09T3..	M3.5*8	Q15	√
A16N-SSKCR/L09	20	16	10.5	160	27	15	10°	SC..09T3..	M3.5*8	Q15	√
A20Q-SSKCR/L09	24	20	12.5	180	34	18	8°	SC..09T3..	M3.5*9	Q15	√
A25R-SSKCR/L09	31	25	15	200	43	23	6°	SC..09T3..	M3.5*9	Q15	√
A12M-SSKPR/L09	16	12	8.5	150	20	11	8°	SP..0903..	M3.5*8	Q15	√
A16N-SSKPR/L09	20	16	10.5	160	27	15	6°	SP..0903..	M3.5*8	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SSS\*/L

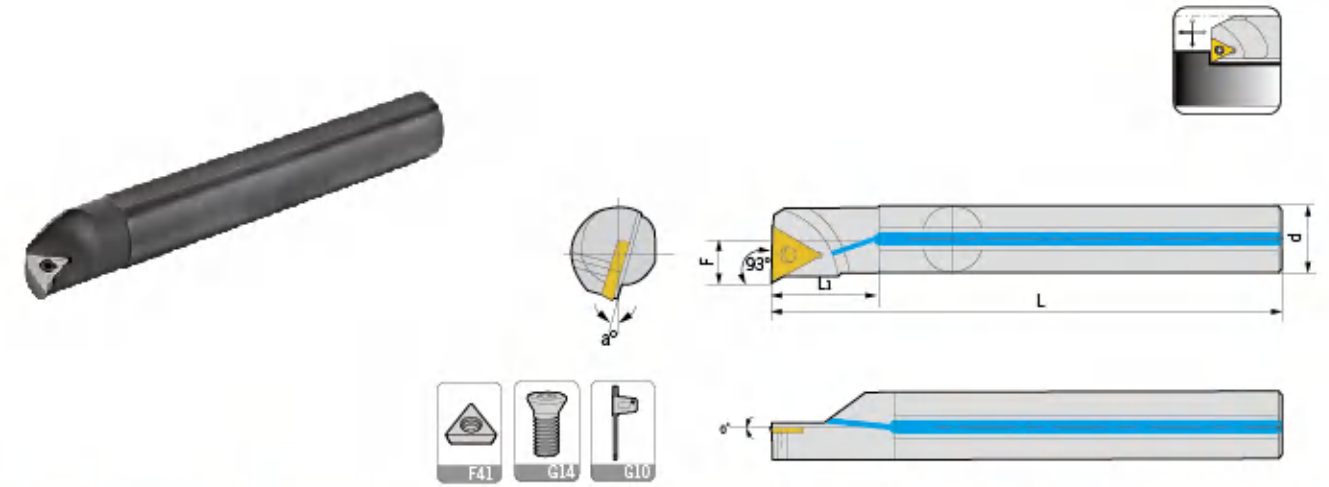


型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S12M-SSSCR/L09	16	12	8.5	150	20	11	12°	SC..09T3..	M3.5*8	Q15	-
S16N-SSSCR/L09	22	16	11.5	160	27	15	10°	SC..09T3..	M3.5*9	Q15	-
S20Q-SSSCR/L09	26	20	13.5	180	34	18	8°	SC..09T3..	M3.5*9	Q15	-
S25R-SSSCR/L09	31	25	16	200	43	23	6°	SC..09T3..	M3.5*9	Q15	-
S32S-SSSCR/L09	38	32	19.5	250	58	30	4°	SC..09T3..	M3.5*9	Q15	-
H12M-SSSCR/L09	16	12	8.5	150	20	11	12°	SC..09T3..	M3.5*8	Q15	-
H16N-SSSCR/L09	22	16	11.5	160	27	15	10°	SC..09T3..	M3.5*9	Q15	-
S12M-SSSPR/L09	16	12	9	150	20	11	8°	SP..0903..	M3.5*7	Q15	-
S16N-SSSPR/L09	20	16	11	160	27	15	6°	SP..0903..	M3.5*7	Q15	-
S20Q-SSSPR/L09	24	20	13	180	34	18	4°	SP..0903..	M3.5*9	Q15	-
S25R-SSSPR/L09	32	25	17	200	43	23	2°	SP..0903..	M3.5*9	Q15	-
S32S-SSSPR/L09	40	32	22	250	58	30	0°	SP..0903..	M3.5*9	Q15	-
H12M-SSSPR/L09	16	12	9	150	20	11	8°	SP..0903..	M3.5*9	Q15	-
H16N-SSSPR/L09	20	16	11	160	27	15	6°	SP..0903..	M3.5*9	Q15	-
A12M-SSSCR/L09	16	12	8.5	150	20	11	12°	SC..09T3..	M3.5*8	Q15	√
A16N-SSSCR/L09	22	16	11.5	160	27	15	10°	SC..09T3..	M3.5*9	Q15	√
A20Q-SSSCR/L09	26	20	13.5	180	34	18	8°	SC..09T3..	M3.5*9	Q15	√
A25R-SSSCR/L09	31	25	16	200	43	23	6°	SC..09T3..	M3.5*9	Q15	√
A12M-SSSPR/L09	16	12	9	150	20	11	8°	SP..0903..	M3.5*7	Q15	√
A16N-SSSPR/L09	20	16	11	160	27	15	6°	SP..0903..	M3.5*7	Q15	√
A20Q-SSSPR/L09	24	20	13	180	34	18	4°	SP..0903..	M3.5*9	Q15	√
A25R-SSSPR/L09	32	25	17	200	43	23	2°	SP..0903..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

STFCR/L

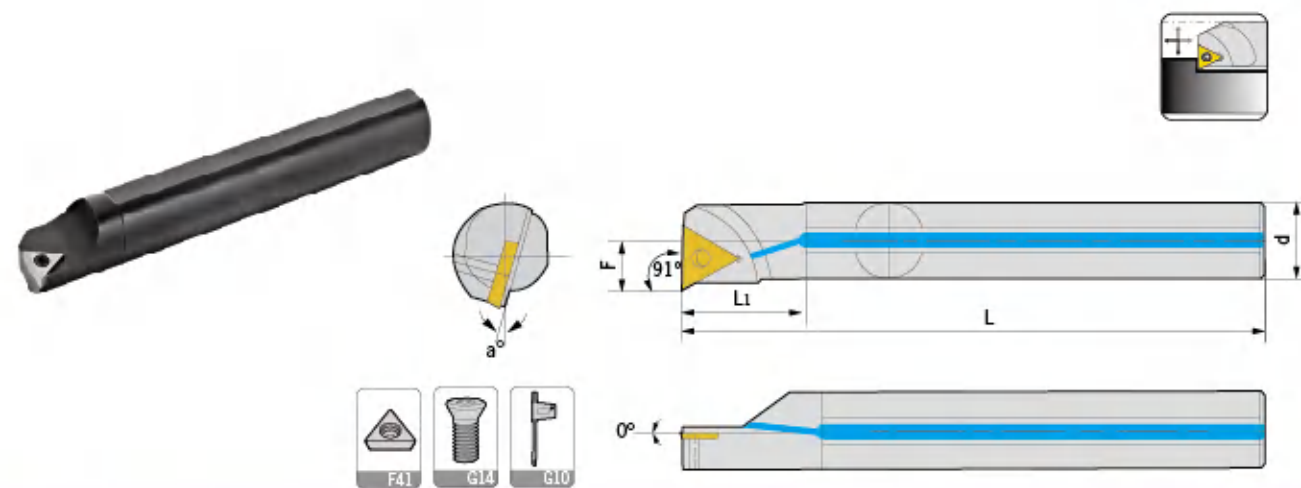


型号 Specification	最小加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S08K-STFCR/L09	11	8	5.5	15	125	7	15°	TC..0902..	M2.2*6	Q06	-
S10K-STFCR/L09	13	10	6	17	125	9	13°	TC..0902..	M2.2*6	Q06	-
S12M-STFCR/L09	16	12	7	20	150	11	10°	TC..0902..	M2.2*6	Q06	-
S10K-STFCR/L11	12	10	6	17	125	9	12°	TC..1102..	M2.5*6	Q08	-
S12M-STFCR/L11	14	12	7	20	150	11	10°	TC..1102..	M2.5*6	Q08	-
S16N-STFCR/L11	20	16	9	27	160	15	8°	TC..1102..	M2.5*7	Q08	-
S20Q-STFCR/L11	25	20	11	34	180	18	6°	TC..1102..	M2.5*7	Q08	-
S20Q-STFCR/L16	25	20	11.5	34	180	18	8°	TC..16T3..	M3.5*9	Q15	-
S25R-STFCR/L16	31	25	14	43	200	23	6°	TC..16T3..	M3.5*9	Q15	-
S32S-STFCR/L16	39	32	17.5	54	250	30	4°	TC..16T3..	M3.5*9	Q15	-
S40T-STFCR/L16	50	40	21.5	68	300	37	2°	TC..16T3..	M3.5*9	Q15	-
H08K-STFCR/L09	11	8	5.5	15	125	7	15°	TC..0902..	M2.2*6	Q06	-
H10K-STFCR/L09	13	10	6	17	125	9	13°	TC..0902..	M2.2*5	Q06	-
H10K-STFCR/L11	13	10	6	17	125	9	12°	TC..1102..	M2.5*6	Q08	-
H12M-STFCR/L11	14	12	7	20	150	11	10°	TC..1102..	M2.5*6	Q08	-
H16N-STFCR/L11	20	16	9	27	160	15	8°	TC..1102..	M2.5*7	Q08	-
C08K-STFCR/L09	11	8	5.5	15	125	7	15°	TC..0902..	M2.2*6	Q06	-
C10M-STFCR/L09	13	10	6	17	150	9	13°	TC..0902..	M2.2*6	Q06	-
C12Q-STFCR/L09	16	12	7	20	180	11	10°	TC..0902..	M2.2*6	Q06	-
C10M-STFCR/L11	13	10	6	17	150	9	12°	TC..1102..	M2.5*6	Q08	-
C12Q-STFCR/L11	14	12	7	20	180	11	10°	TC..1102..	M2.5*6	Q08	-
C16R-STFCR/L11	20	16	9	27	200	15	8°	TC..1102..	M2.5*7	Q08	-
C20S-STFCR/L11	25	20	11	34	250	19	8°	TC..1102..	M2.5*7	Q08	-
A08K-STFCR/L09	11	8	5.5	15	125	7	15°	TC..0902..	M2.2*6	Q06	√
A10K-STFCR/L09	13	10	6	17	125	9	13°	TC..0902..	M2.2*6	Q06	√
A12M-STFCR/L11	14	12	7	20	150	11	10°	TC..1102..	M2.5*6	Q08	√
A16N-STFCR/L11	20	16	9	27	160	15	8°	TC..1102..	M2.5*7	Q08	√
A20Q-STFCR/L16	25	20	11.5	34	180	18	8°	TC..16T3..	M3.5*9	Q15	√
A25R-STFCR/L16	31	25	14	43	200	23	6°	TC..16T3..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

STFPR/L

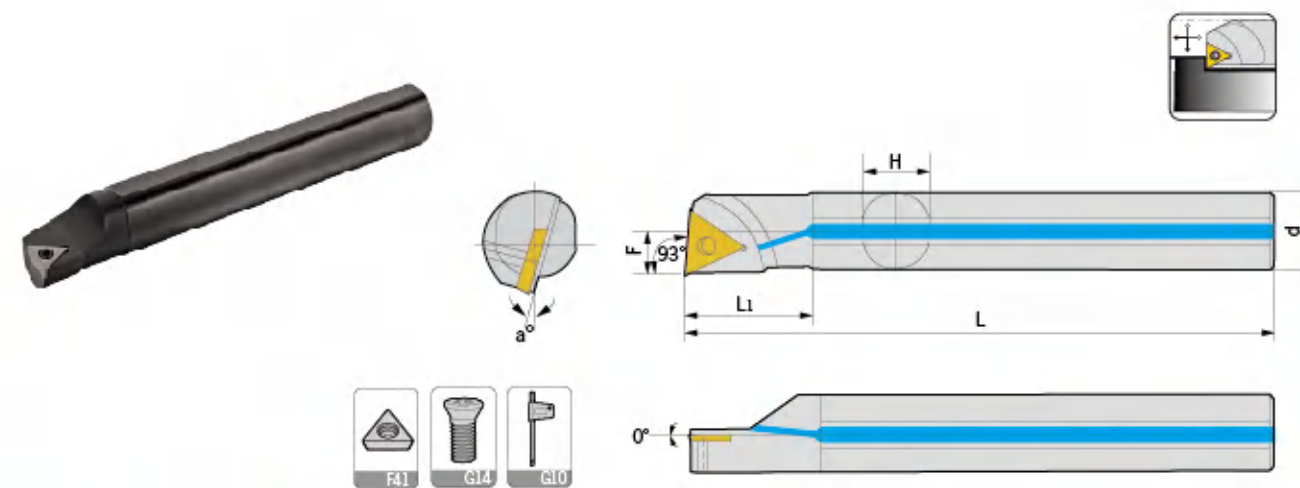


型号 Specification	最小 加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S10K-STFPR/L08	13	10	6	17	125	9	8°	TP..0802..	M2*5	Q06	-
S08K-STFPR/L09	11	8	5	15	125	7	10°	TP..0902..	M2.5*5	Q08	-
S10K-STFPR/L09	13	10	6	17	125	9	8°	TP..0902..	M2.5*6	Q08	-
S10K-STFPR/L11	13	10	6	17	125	9	12°	TP..1103..	M3*6	Q08	-
S12M-STFPR/L11	16	12	7	20	150	11	10°	TP..1103..	M3*6	Q08	-
S16N-STFPR/L11	20	16	9	27	160	15	8°	TP..1103..	M3*7	Q08	-
S20Q-STFPR/L11	24	20	11	34	180	18	6°	TP..1103..	M3*7	Q08	-
S20Q-STFPR/L16	24	20	11.5	34	180	18	6°	TP..1603..	M3.5*9	Q15	-
S25R-STFPR/L16	31	25	14	43	200	23	4°	TP..1603..	M3.5*9	Q15	-
C08K-STFPR/L09	11	8	5	15	125	7	10°	TP..0902..	M2.5*5	Q08	-
C10M-STFPR/L09	13	10	6	17	150	9	8°	TP..0902..	M2.5*6	Q08	-
C10M-STFPR/L11	13	10	6	17	150	9	12°	TP..1103..	M3*6	Q08	-
C12Q-STFPR/L11	16	12	7	20	180	11	10°	TP..1103..	M3*6	Q08	-
C16R-STFPR/L11	20	16	9	27	200	15	8°	TP..1103..	M3*7	Q08	-
C20S-STFPR/L11	24	20	11	34	250	19	6°	TP..1103..	M3*7	Q08	-
H08K-STFPR/L09	11	8	5	15	125	7	10°	TP..0902..	M2.5*5	Q08	-
H10K-STFPR/L09	13	10	6	17	125	9	8°	TP..0902..	M2.5*6	Q08	-
H10K-STFPR/L11	13	10	6	17	125	9	12°	TP..1103..	M3*6	Q08	-
H12M-STFPR/L11	16	12	7	20	150	11	10°	TP..1103..	M3*6	Q08	-
H16N-STFPR/L11	20	16	9	27	160	15	8°	TP..1103..	M3*7	Q08	-
A10K-STFPR/L08	13	10	6	17	125	9	8°	TP..0802..	M2*5	Q06	√
A08K-STFPR/L09	11	8	5	15	125	7	10°	TP..0902..	M2.5*6	Q08	√
A10K-STFPR/L09	13	10	6	17	125	9	8°	TP..0902..	M2.5*6	Q08	√
A12M-STFPR/L11	16	12	7	20	150	11	10°	TP..1103..	M3*6	Q08	√
A16N-STFPR/L11	20	16	9	27	160	15	8°	TP..1103..	M3*7	Q08	√
A20Q-STFPR/L16	24	20	11.5	34	180	18	6°	TP..1603..	M3.5*9	Q15	√
A25R-STFPR/L16	31	25	14	43	200	23	4°	TP..1603..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

STUCR/L



型号 Specification	最小 加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S08K-STUCR/L09	11	8	5	15	125	7	10°	TC..0902..	M2.2*6	Q06	-
S08K-STUCR/09-A16	11	16	5	20	125	15	10°	TC..0902..	M2.2*6	Q06	-
S10K-STUCR/L09	13	10	6	17	125	9	8°	TC..0902..	M2.2*6	Q06	-
S10K-STUCR/L09-A16	13	16	6	27	125	15	8°	TC..0902..	M2.2*6	Q06	-
S10K-STUCR/L11	13	10	6	17	125	9	12°	TC..1102..	M2.5*6	Q08	-
S10K-STUCR/L11-A16	13	16	6	27	125	15	12°	TC..1102..	M2.5*6	Q08	-
S12M-STUCR/L11	16	12	7	20	150	11	10°	TC..1102..	M2.5*6	Q08	-
S12M-STUCR/L11-A16	16	16	7	34	150	15	10°	TC..1102..	M2.5*6	Q08	-
S16N-STUCR/L11	20	16	9	27	160	15	8°	TC..1102..	M2.5*7	Q08	-
S20Q-STUCR/L11	24	20	11	34	180	18	6°	TC..1102..	M2.5*7	Q08	-
S20Q-STUCR/L16	25	20	11.5	34	180	18	8°	TC..16T3..	M3.5*9	Q15	-
S25R-STUCR/L16	31	25	14	43	200	23	6°	TC..16T3..	M3.5*9	Q15	-
S32S-STUCR/L16	39	32	17.5	54	250	30	4°	TC..16T3..	M3.5*9	Q15	-
S40T-STUCR/L16	50	40	21.5	68	300	37	2°	TC..16T3..	M3.5*9	Q15	-
H08K-STUCR/L09	11	8	5	15	125	7	10°	TC..0902..	M2.2*5	Q06	-
H10K-STUCR/L09	13	10	6	17	150	9	8°	TC..0902..	M2.2*5	Q06	-
H10K-STUCR/L11	13	10	6	17	150	9	8°	TC..1102..	M2.5*7	Q08	-
H12M-STUCR/L11	16	12	7	20	180	11	6°	TC..1102..	M2.5*6	Q08	-
H16R-STUCR/L11	20	16	9	27	200	15	4°	TC..1102..	M2.5*7	Q08	-
A08K-STUCR/L09	11	8	5	15	125	7	10°	TC..0902..	M2.2*5	Q06	√
A10K-STUCR/L11	13	10	6	17	125	9	12°	TC..1102..	M2.5*6	Q08	√
A12M-STUCR/L11	16	12	7	20	150	11	10°	TC..1102..	M2.5*6	Q08	√
A16N-STUCR/L11	20	16	9	27	160	15	8°	TC..1102..	M2.5*7	Q08	√
A20Q-STUCR/L11	24	20	11	34	180	18	6°	TC..1102..	M2.5*7	Q08	√

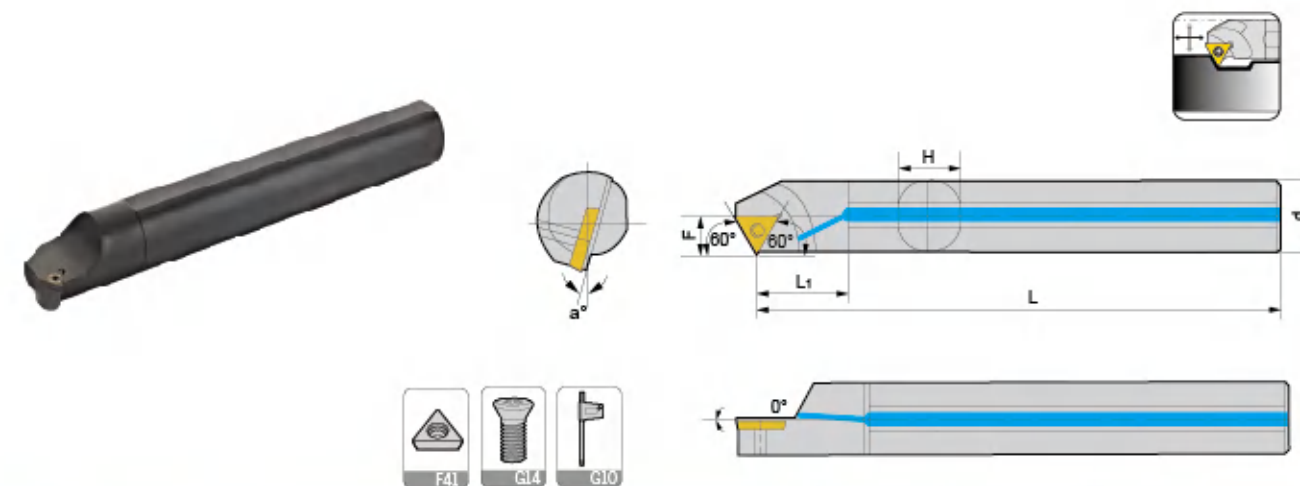
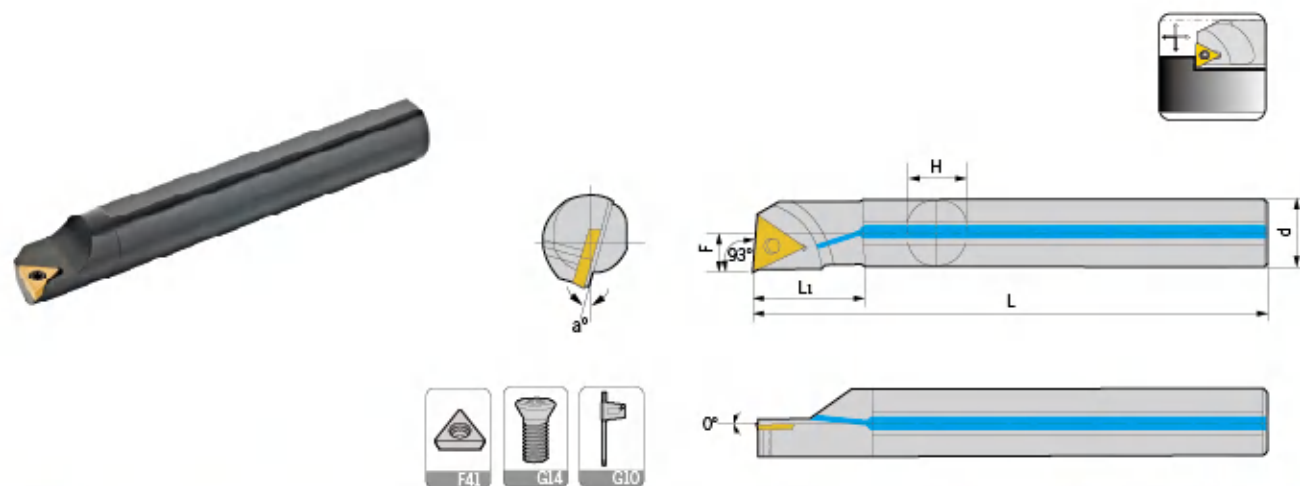
适用 Suitable: 德克刀片 DEREK Insert

# Type S

STUPR/L

# Type S

STWCR/L



型号 Specification	最小加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S08K-STUPR/L09	11	8	5	15	125	7	10°	TP..0902..	M2.5*5	Q08	-
S10K-STUPR/L09	13	10	6	17	125	9	8°	TP..0902..	M2.5*6	Q08	-
S10K-STUPR/L11	13	10	6	17	125	9	12°	TP..1103..	M3*6	Q08	-
S12M-STUPR/L11	16	12	7	20	150	11	10°	TP..1103..	M3*6	Q08	-
S16N-STUPR/L11	20	16	9	27	160	15	8°	TP..1103..	M3*7	Q08	-
S20Q-STUPR/L11	24	20	11	34	180	18	6°	TP..1103..	M3*7	Q08	-
S20Q-STUPR/L16	24	20	11.5	34	180	18	6°	TP..1603..	M3.5*9	Q15	-
S25R-STUPR/L16	31	25	14.5	43	200	24	4°	TP..1603..	M3.5*9	Q15	-
A08K-STUPR/L09	11	8	5	15	125	7	10°	TP..0902..	M2.5*5	Q08	√
A10K-STUPR/L11	13	10	6	17	125	9	12°	TP..1103..	M3*6	Q08	√
A12M-STUPR/L11	16	12	7	20	150	11	10°	TP..1103..	M3*6	Q08	√
A16N-STUPR/L11	20	16	9	27	160	15	8°	TP..1103..	M3*7	Q08	√
A20Q-STUPR/L16	24	20	11.5	34	180	18	6°	TP..1603..	M3.5*9	Q15	√
A25R-STUPR/L16	31	25	14.5	43	200	23	4°	TP..1603..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

型号 Specification	最小加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S08K-STWCR/L09	11	8	5.5	15	125	7	12°	TC..0902..	M2.2*5	Q06	-
S10K-STWCR/L11	14	10	8	17	125	9	10°	TC..1102..	M2.5*7	Q08	-
S12M-STWCR/L11	16	12	9	20	150	11	8°	TC..1102..	M2.5*7	Q08	-
S16N-STWCR/L11	20	16	11	27	160	15	6°	TC..1102..	M2.5*7	Q08	-
S20Q-STWCR/L11	25	20	13	34	180	18	4°	TC..1102..	M2.5*7	Q08	-
S25R-STWCR/L11	31	25	15	43	200	23	2°	TC..1102..	M2.5*7	Q08	-
S32S-STWCR/L11	39	32	19	54	250	30	0°	TC..1102..	M2.5*7	Q08	-
S20Q-STWCR/L16	25	20	14.5	34	180	18	8°	TC..16T3..	M3.5*9	Q15	-
S25R-STWCR/L16	32	25	17	43	200	23	6°	TC..16T3..	M3.5*9	Q15	-
S32S-STWCR/L16	39	32	20	54	250	30	4°	TC..16T3..	M3.5*9	Q15	-
S40T-STWCR/L16	50	40	24	68	300	37	0°	TC..16T3..	M3.5*9	Q15	-
H08K-STWCR/L09	11	8	5.5	15	125	7	12°	TC..0902..	M2.2*5	Q06	-
H10K-STWCR/L11	14	10	8	17	125	9	10°	TC..1102..	M2.5*7	Q08	-
H12M-STWCR/L11	16	12	9	20	150	11	8°	TC..1102..	M2.5*7	Q08	-
H16N-STWCR/L11	20	16	11	27	160	15	6°	TC..1102..	M2.5*7	Q08	-
H20Q-STWCR/L11	25	20	13	34	180	18	4°	TC..1102..	M2.5*7	Q08	-
A08K-STWCR/L09	11	8	5.5	15	125	7	12°	TC..0902..	M2.2*5	Q06	√
A10K-STWCR/L11	14	10	8	17	125	9	10°	TC..1102..	M2.5*7	Q08	√
A12M-STWCR/L11	16	12	9	20	150	11	8°	TC..1102..	M2.5*7	Q08	√
A16N-STWCR/L11	20	16	11	27	160	15	6°	TC..1102..	M2.5*7	Q08	√
A20Q-STWCR/L11	25	20	13	34	180	18	4°	TC..1102..	M2.5*7	Q08	√
A20Q-STWCR/L16	25	20	14.5	34	180	18	8°	TC..16T3..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

车刀系列  
TURNING TOOLS

外圆车刀  
External turning tool

内孔车刀  
Internal turning tool

螺纹车刀  
Threading tool

切槽车刀  
Grooving tool

车刀系列  
TURNING TOOLS

外圆车刀  
External turning tool

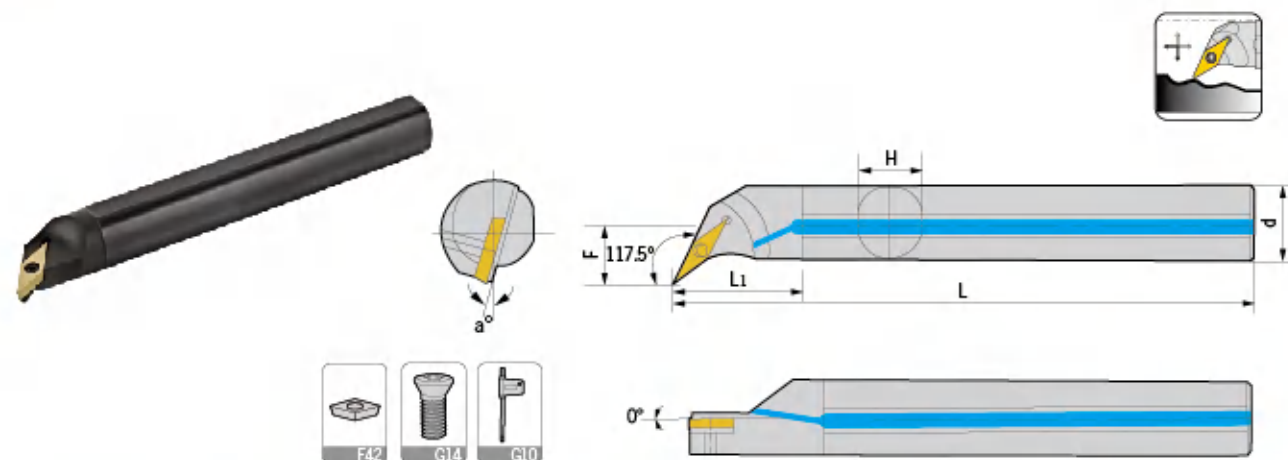
内孔车刀  
Internal turning tool

螺纹车刀  
Threading tool

切槽车刀  
Grooving tool

# Type S

SVQ\*R/L

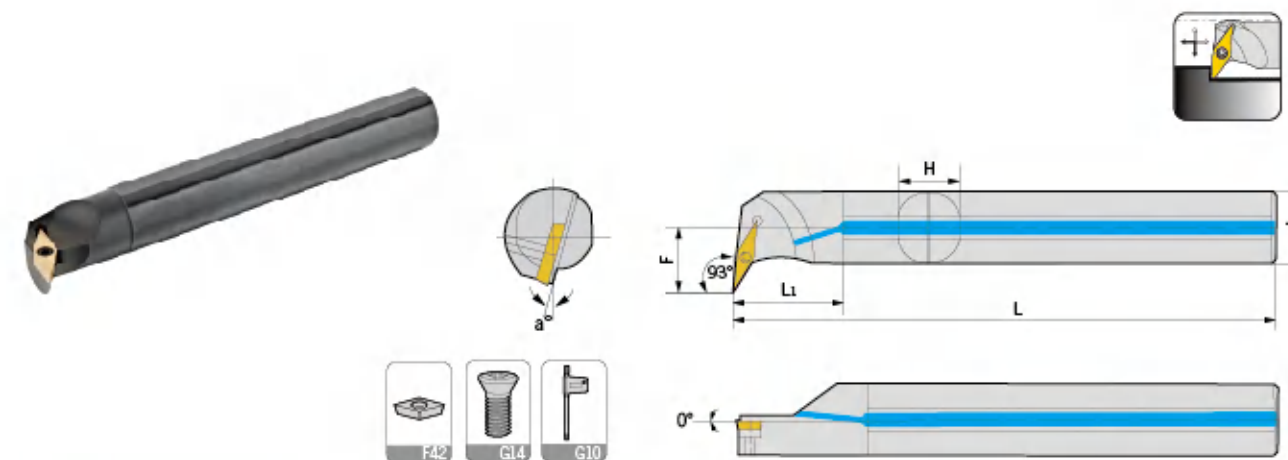


型号 Specification	最小 加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S12M-SVQBR/L11	17	12	10.5	27	150	11	10°	VB..1103..	M2.5*7	Q08	-
S16N-SVQBR/L11	22	16	11.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	-
S20Q-SVQBR/L11	27	20	14	34	180	18	8°	VB..1103..	M2.5*7	Q08	-
S16N-SVQCR/L11	22	16	11.5	27	160	15	8°	VC..1103..	M2.5*7	Q08	-
S20Q-SVQCR/L11	27	20	14	34	180	18	6°	VC..1103..	M2.5*7	Q08	-
S20Q-SVQBR/L16	27	20	14	34	180	18	10°	VB..1604..	M3.5*9	Q15	-
S25R-SVQBR/L16	32	25	16.5	43	200	23	8°	VB..1604..	M3.5*9	Q15	-
S32S-SVQBR/L16	41	32	22.5	54	250	30	10°	VB..1604..	M3.5*9	Q15	-
S40T-SVQBR/L16	50	40	27	68	300	37	8°	VB..1604..	M3.5*9	Q15	-
S20Q-SVQCR/L16	27	20	14	34	180	18	8°	VC..1604..	M3.5*9	Q15	-
S25R-SVQCR/L16	32	25	16.5	43	200	23	6°	VC..1604..	M3.5*9	Q15	-
S32S-SVQCR/L16	41	32	22.5	54	250	30	8°	VC..1604..	M3.5*9	Q15	-
S40T-SVQCR/L16	50	40	27	68	300	37	6°	VC..1604..	M3.5*9	Q15	-
A12M-SVQBR/L11	17	12	10	27	150	11	10°	VB..1103..	M2.5*7	Q08	√
A16N-SVQBR/L11	22	16	11.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	√
A20Q-SVQBR/L11	27	20	14	34	180	18	8°	VB..1103..	M2.5*7	Q08	√
A16N-SVQCR/L11	22	16	11.5	27	160	15	8°	VC..1103..	M2.5*7	Q08	√
A20Q-SVQCR/L11	27	20	14	34	180	18	6°	VC..1103..	M2.5*7	Q08	√
A25R-SVQBR/L16	32	25	16.5	43	200	23	8°	VB..1604..	M3.5*9	Q15	√
A20Q-SVQCR/L16	27	20	14	34	180	18	8°	VC..1604..	M3.5*9	Q15	√
A25R-SVQCR/L16	32	25	16.5	43	200	23	6°	VC..1604..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SVU\*R/L

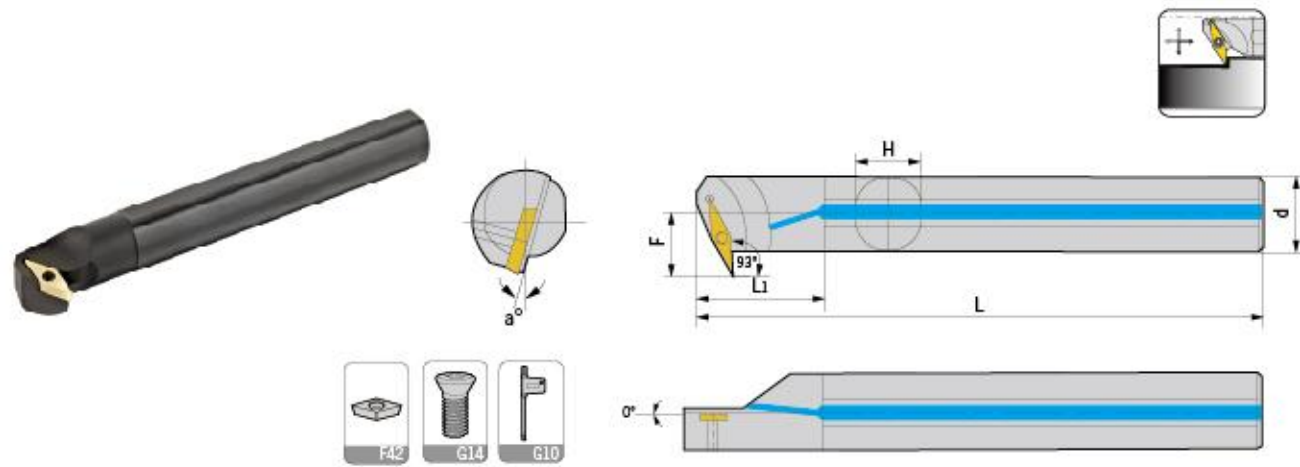


型号 Specification	最小 加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S16N-SVUBR/L11	22	16	12.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	-
S20Q-SVUBR/L11	27	20	14	34	180	18	8°	VB..1103..	M2.5*7	Q08	-
H16N-SVUBR/L11	22	16	11.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	-
S16N-SVUCR/L11	22	16	11.5	27	160	15	10°	VC..1103..	M2.5*7	Q08	-
S20Q-SVUCR/L11	27	20	14	34	180	18	8°	VC..1103..	M2.5*7	Q08	-
H16N-SVUCR/L11	22	16	11.5	27	160	15	10°	VC..1103..	M2.5*7	Q08	-
S20Q-SVUBR/L16	31	20	19	34	180	18	8°	VB..1604..	M3.5*9	Q15	-
S25R-SVUBR/L16	35	25	20	43	200	23	6°	VB..1604..	M3.5*9	Q15	-
S32S-SVUBR/L16	42	32	22.5	54	250	30	8°	VB..1604..	M3.5*9	Q15	-
S40T-SVUBR/L16	51	40	27	68	300	37	8°	VB..1604..	M3.5*9	Q15	-
S20Q-SVUCR/L16	31	20	19	34	180	18	8°	VC..1604..	M3.5*9	Q15	-
S25R-SVUCR/L16	35	25	20	43	200	23	6°	VC..1604..	M3.5*9	Q15	-
S32S-SVUCR/L16	42	32	22.5	54	250	30	8°	VC..1604..	M3.5*9	Q15	-
S40T-SVUCR/L16	51	40	27	68	300	37	6°	VC..1604..	M3.5*9	Q15	-
A16N-SVUBR/L11	22	16	11.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	√
A20Q-SVUBR/L11	27	20	14	34	180	18	8°	VB..1103..	M2.5*7	Q08	√
A16N-SVUCR/L11	22	16	11.5	27	160	15	10°	VC..1103..	M2.5*7	Q08	√
A20Q-SVUCR/L11	27	20	14	34	180	18	8°	VC..1103..	M2.5*7	Q08	√
A20Q-SVUBR/L16	31	20	19	34	180	18	8°	VB..1604..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SVZ\*/R/L

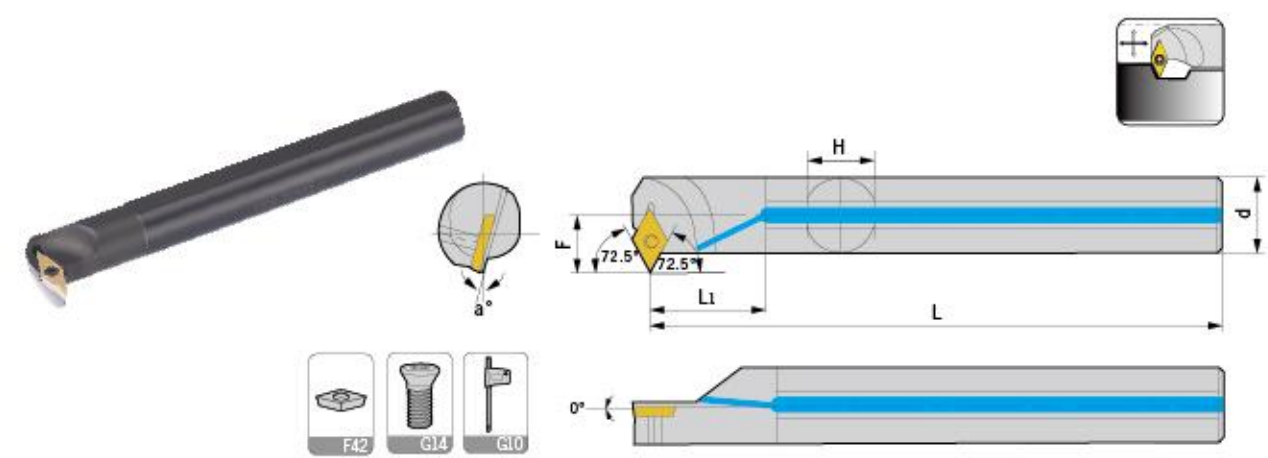


型号 Specification	最小加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S16N-SVZBR/L11	22	16	11.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	-
S20Q-SVZBR/L11	27	20	14	34	180	18	8°	VB..1103..	M2.5*7	Q08	-
H16N-SVZBR/L11	22	16	11.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	-
S16N-SVZCR/L11	22	16	11.5	27	160	15	10°	VC..1103..	M2.5*7	Q08	-
S20Q-SVZCR/L11	27	20	14	34	180	18	8°	VC..1103..	M2.5*7	Q08	-
H16N-SVZCR/L11	22	16	11.5	27	160	15	10°	VC..1103..	M2.5*7	Q08	-
S25R-SVZBR/L16	34	25	19.5	43	200	23	8°	VB..1604..	M3.5*9	Q15	-
S32S-SVZBR/L16	42	32	23.5	54	250	30	6°	VB..1604..	M3.5*9	Q15	-
S40T-SVZBR/L16	50	40	27	68	300	37	8°	VB..1604..	M3.5*9	Q15	-
S25R-SVZCR/L16	34	25	19.5	43	200	23	8°	VC..1604..	M3.5*9	Q15	-
S32S-SVZCR/L16	42	32	23.5	54	250	30	6°	VC..1604..	M3.5*9	Q15	-
S40T-SVZCR/L16	50	40	27	68	300	37	8°	VC..1604..	M3.5*9	Q15	-
A16N-SVZBR/L11	22	16	11.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	√
A20Q-SVZBR/L11	27	20	14	34	180	18	8°	VB..1103..	M2.5*7	Q08	√
A16N-SVZCR/L11	22	16	11.5	27	160	15	10°	VC..1103..	M2.5*7	Q08	√
A20Q-SVZCR/L11	27	20	14	34	180	18	8°	VC..1103..	M2.5*7	Q08	√
A25R-SVZBR/L16	34	25	19.5	43	200	23	8°	VB..1604..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SWW\*/R/L

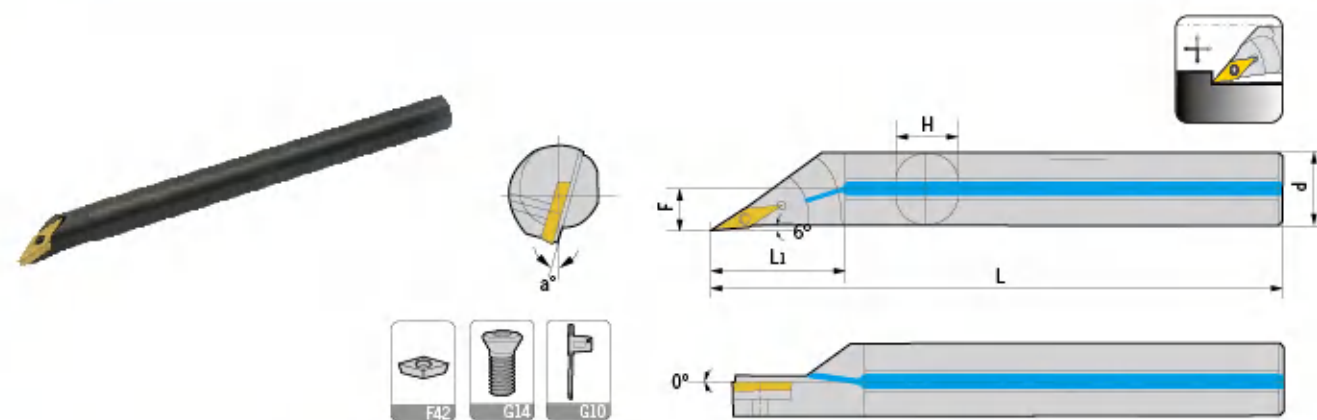


型号 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	中心螺丝 Center screw	扳手 Wrench
S20Q-SWBR/L11	29	20	18	180	34	18	5°	VB..1103..	M2.5*7	Q08
S25R-SWBR/L11	34	25	21	200	43	23	5°	VB..1103..	M2.5*7	Q08
S25R-SWBR/L16	38	25	23	200	43	23	5°	VB..1604..	M3.5*9	Q15
S32S-SWBR/L16	45	32	26	250	54	30	5°	VB..1604..	M3.5*9	Q15
S20Q-SWCR/L11	19	20	18	180	34	18	5°	VC..1103..	M2.5*7	Q08
S25R-SWCR/L11	34	25	21	200	43	23	5°	VC..1103..	M2.5*7	Q08
S25R-SWCR/L16	38	25	23	200	43	23	5°	VC..1604..	M3.5*9	Q15
S32S-SWCR/L16	45	32	26	250	54	30	5°	VC..1604..	M3.5*9	Q15

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SVX\*/R/L

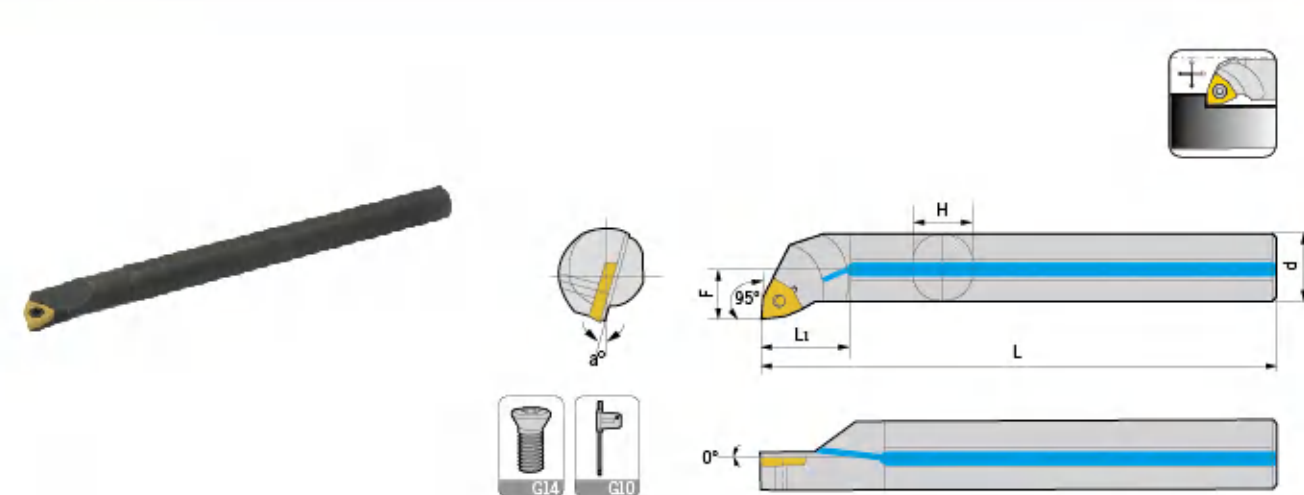


型号 Specification	最小 加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S10K-SVXBR/L11-G6	14	10	7.5	17	125	9	10°	VB..1103..	M2.5*6	Q08	-
S12M-SVXBR/L11-G6	16	12	8.5	20	150	11	12°	VB..1103..	M2.5*6	Q08	-
S16N-SVXBR/L11-G6	22	16	11	27	160	15	10°	VB..1103..	M2.5*7	Q08	-
S20Q-SVXBR/L11-G6	27	20	13.5	34	180	18	8°	VB..1103..	M2.5*6	Q08	-
H10K-SVXBR/L11-G6	14	10	7.5	17	125	9	15°	VB..1103..	M2.5*6	Q08	-
H12M-SVXBR/L11-G6	16	12	8.5	20	150	11	12°	VB..1103..	M2.5*7	Q08	-
H16N-SVXBR/L11-G6	22	16	11	27	160	15	10°	VB..1103..	M2.5*7	Q08	-
S10K-SVXCR/L11-G6	14	10	7.5	17	125	9	12°	VC..1103..	M2.5*6	Q08	-
S12M-SVXCR/L11-G6	16	12	8.5	20	150	11	10°	VC..1103..	M2.5*6	Q08	-
S16N-SVXCR/L11-G6	22	16	11	27	160	15	8°	VC..1103..	M2.5*7	Q08	-
S20Q-SVXCR/L11-G6	27	20	13.5	34	180	18	6°	VC..1103..	M2.5*7	Q08	-
H10K-SVXCR/L11-G6	14	10	7.5	17	125	9	12°	VC..1103..	M2.5*6	Q08	-
H12M-SVXCR/L11-G6	16	12	8.5	20	150	11	10°	VC..1103..	M2.5*6	Q08	-
H16N-SVXCR/L11-G6	22	16	11	27	160	15	8°	VC..1103..	M2.5*7	Q08	-
S16N-SVXBR/L16-G6	22	16	11.5	27	160	15	12°	VB..1604..	M3.5*7	Q15	-
S20Q-SVXBR/L16-G6	27	20	13.5	34	180	18	10°	VB..1604..	M3.5*9	Q15	-
S25R-SVXBR/L16-G6	32	25	16	43	200	23	8°	VB..1604..	M3.5*9	Q15	-
S32S-SVXBR/L16-G6	40	32	19.5	54	250	30	8°	VB..1604..	M3.5*9	Q15	-
S40T-SVXBR/L16-G6	50	40	23.5	68	300	37	8°	VB..1604..	M3.5*9	Q15	-
S16N-SVXCR/L16-G6	22	16	11.5	27	160	15	10°	VC..1604..	M3.5*9	Q15	-
S20Q-SVXCR/L16-G6	27	20	13.5	34	180	18	8°	VC..1604..	M3.5*9	Q15	-
S25R-SVXCR/L16-G6	32	25	16	43	200	23	6°	VC..1604..	M3.5*9	Q15	-
S32S-SVXCR/L16-G6	40	32	19.5	54	250	30	8°	VC..1604..	M3.5*9	Q15	-
S40T-SVXCR/L16-G6	50	40	23.5	68	300	37	6°	VC..1604..	M3.5*9	Q15	-
H16N-SVXCR/L16-G6	22	16	11.5	27	160	15	10°	VC..1604..	M3.5*9	Q15	-
A10K-SVXBR/L11-G6	14	10	7.5	17	125	9	15°	VB..1103..	M2.5*6	Q08	√
A12M-SVXBR/L11-G6	16	12	8.5	20	150	11	12°	VB..1103..	M2.5*6	Q08	√
A16N-SVXBR/L11-G6	22	16	11	27	160	15	10°	VB..1103..	M2.5*7	Q08	√
A20Q-SVXBR/L11-G6	27	20	13.5	34	180	18	8°	VB..1103..	M2.5*7	Q08	√
A10K-SVXCR/L11-G6	14	10	7.5	17	125	9	12°	VC..1103..	M2.5*6	Q08	√
A12M-SVXCR/L11-G6	16	12	8.5	20	150	11	10°	VC..1103..	M2.5*6	Q08	√
A16N-SVXCR/L11-G6	22	16	11	27	160	15	8°	VC..1103..	M2.5*7	Q08	√
A20Q-SVXCR/L11-G6	27	20	13.5	34	180	18	6°	VC..1103..	M2.5*7	Q08	√
A16N-SVXBR/L16-G6	22	16	11.5	27	160	15	12°	VB..1604..	M3.5*9	Q15	√
A20Q-SVXBR/L16-G6	27	20	13.5	34	180	18	10°	VB..1604..	M3.5*9	Q15	√
A25R-SVXBR/L16-G6	32	25	16	43	200	23	8°	VB..1604..	M3.5*9	Q15	√
A16N-SVXCR/L16-G6	22	16	11.5	27	160	15	10°	VC..1604..	M3.5*7	Q15	√
A20Q-SVXCR/L16-G6	27	20	13.5	34	180	18	8°	VC..1604..	M3.5*9	Q15	√
A25R-SVXCR/L16-G6	32	25	16	43	200	23	6°	VC..1604..	M3.5*9	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SWLCR/L

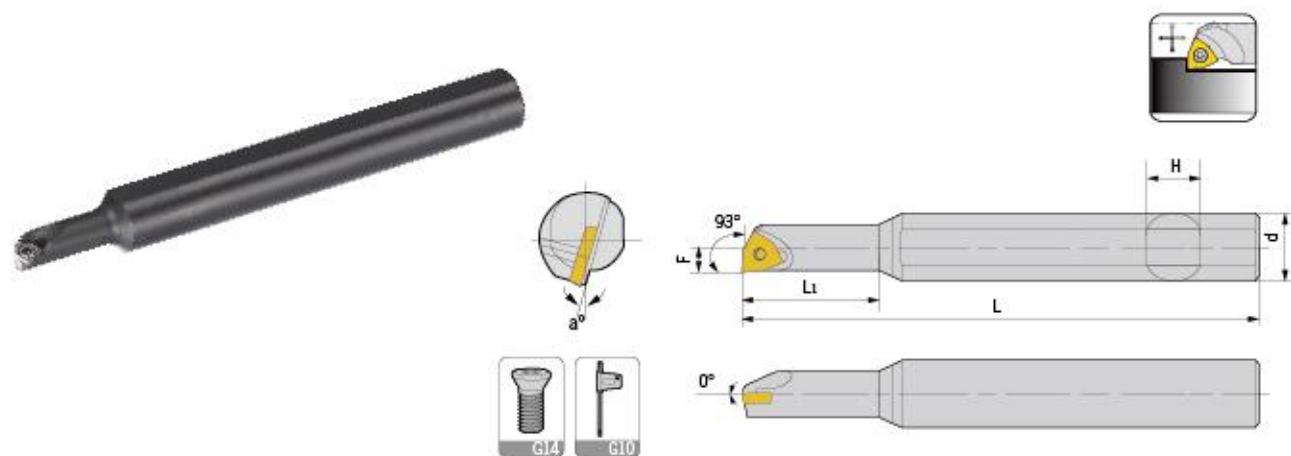


型号 Specification	最小 加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺丝 Screw	扳手 Wrench	出水孔 Water hole
S08K-SWLCR/L04	10	8	5	14	125	7	13°	WC..0402..	M2.5*5	Q08	-
S10K-SWLCR/L04	13	10	6.5	17	125	9	10°	WC..0402..	M2.5*6	Q08	-
S12M-SWLCR/L06	16	12	7.5	20	150	11	13°	WC..06T3..	M3.5*8	Q15	-
S16N-SWLCR/L06	20	16	9.5	27	160	15	10°	WC..06T3..	M3.5*8	Q15	-
S20Q-SWLCR/L06	25	20	11.5	34	180	18	8°	WC..06T3..	M3.5*9	Q15	-
S25R-SWLCR/L06	31	25	14	43	200	23	6°	WC..06T3..	M3.5*9	Q15	-
H08K-SWLCR/L04	10	8	5	16	125	7	13°	WC..0402..	M2.5*5	Q08	-
H10K-SWLCR/L04	13	10	6.5	20	125	9	10°	WC..0402..	M2.5*6	Q08	-
H12M-SWLCR/L06	16	12	7.5	24	150	11	13°	WC..06T3..	M3.5*8	Q15	-
H16N-SWLCR/L06	20	16	9.5	32	160	15	10°	WC..06T3..	M3.5*8	Q15	-
A08K-SWLCR/L04	10	8	5	14	125	7	13°	WC..0402..	M2.5*5	Q08	√
A10K-SWLCR/L04	13	10	10	17	125	9	10°	WC..0402..	M2.5*6	Q08	√
A12M-SWLCR/L06	16	12	6.5	20	150	11	13°	WC..06T3..	M3.5*8	Q15	√
A16N-SWLCR/L06	20	16	7.5	27	160	15	10°	WC..06T3..	M3.5*8	Q15	√
A20Q-SWLCR/L06	25	20	9.5	34	180	18	8°	WC..06T3..	M3.5*8	Q15	√

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SWUBR/L

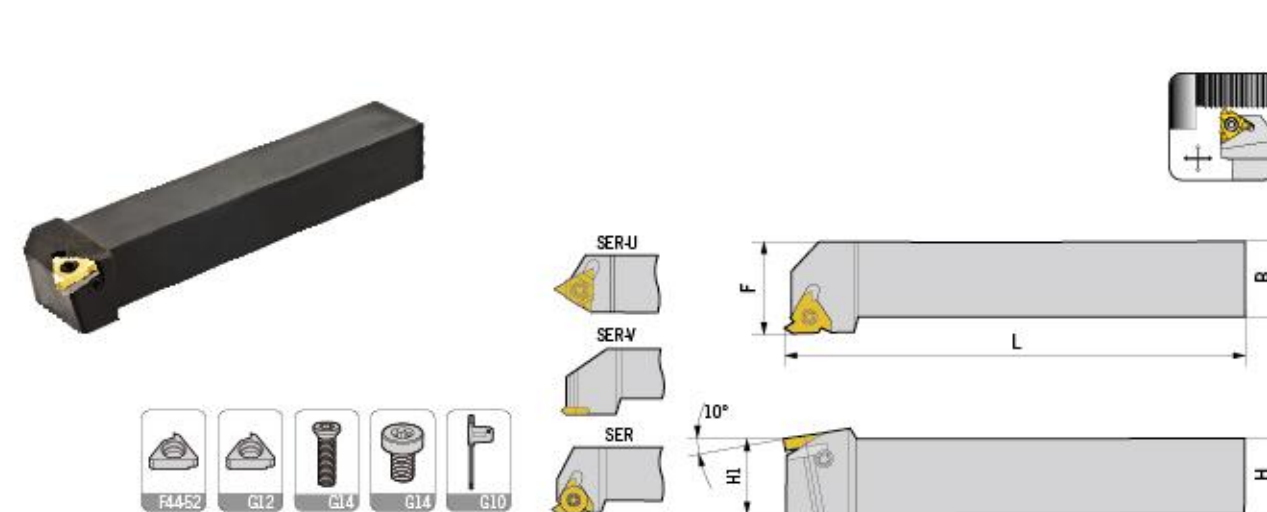


型号 Specification	最小 加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	中心螺丝 Center screw	扳手 Wrench
S05H-SWUBR/L06-A08	6	8	3.1	100	13.5	7	12°	WBG060104L-W11	M2*4	Q06
S05H-SWUBR/L06-A12	6	12	3.1	100	13.5	11	12°	WBG060104L-W11	M2*4	Q06
S06H-SWUBR/L06-A12	7	12	3.6	100	16.0	11	15°	WBG060104L-W11	M2*4	Q06
S07H-SWUBR/L06-A12	8	12	4.0	100	18.0	11	15°	WBG060104L-W11	M2*4	Q06
H05H-SWUBR/L06-A08	6	8	3.1	100	17.5	7	12°	WBG060104L-W11	M2*4	Q06
H05H-SWUBR/L06-A12	6	12	3.1	100	17.5	11	12°	WBG060104L-W11	M2*4	Q06
H06H-SWUBR/L06-A12	7	12	3.6	100	21.0	11	15°	WBG060104L-W11	M2*4	Q06
H07H-SWUBR/L06-A12	8	12	4.0	100	24.5	11	15°	WBG060104L-W11	M2*4	Q06

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SER/L

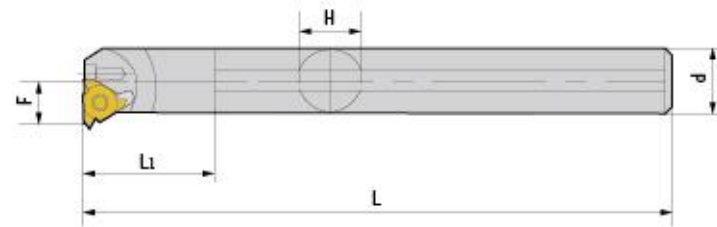
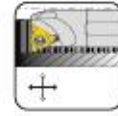


型号 Specification	H	B	L	H1	F	刀片 Insert	刀垫 Shim	刀垫螺丝 screw	侧螺丝 Side screw	扳手 Wrench
SER/L 1010H11	10	10	100	10	12	11ER/L..	-	M2.5*7	-	Q08
1212H16	12	12	100	12	16	16ER/L..	-	M3.5*7	-	Q15
1616H16	16	16	100	16	20	16ER/L..	YE(I)16	M3.5*12	SA3007	Q15,Q10
2020K16	20	20	125	20	25	16ER/L..	YE(I)16	M3.5*12	SA3007	Q15,Q10
2525M16	25	25	150	25	32	16ER/L..	YE(I)16	M3.5*12	SA3007	Q15,Q10
3232P16	32	32	170	32	40	16ER/L..	YE(I)16	M3.5*12	SA3007	Q15,Q10
2525M22	25	25	150	25	32	22ER/L..	YE22(R)	M4*14	SA3007	Q15,Q10
3232P22	32	32	170	32	40	22ER/L..	YI22(L)	M4*14	SA3007	Q15,Q10
2525M27	25	25	150	25	32	27ER/L..	YE27(R)	M5*16	SA3007	Q20,Q10
3232P27	32	32	170	32	40	27ER/L..	YI27(L)	M5*16	SA3007	Q20,Q10
2525M22U	25	25	150	25	25	22UER/L..	YE22U(R)	M4*14	SA3007	Q15,Q10
3232P22U	32	32	170	32	32	22UER/L..	YI22U(L)	M4*14	SA3007	Q15,Q10
2525M27U	25	25	150	25	25	27UER/L..	YE27U(R)	M5*16	SA3007	Q20,Q10
3232P27U	32	32	170	32	32	27UER/L..	YI27U(L)	M5*16	SA3007	Q20,Q10
2020K16V	20	20	125	20	25	16VER..	-	M3.5*9	-	Q15
2525M16V	25	25	150	25	32	16VER..	-	M3.5*9	-	Q15
2020K22V	20	20	125	20	25	22VER..	-	M4*9	-	Q15
2525M22V	25	25	150	25	32	22VER..	-	M4*9	-	Q15

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SIR/L

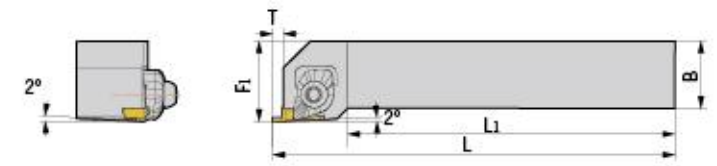
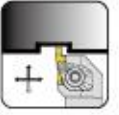


型号 Specification	最小 加工径 Min dia	d	F	L	L1	H	刀片 Insert	刀垫 shim	螺丝 screw	侧螺丝 Side screw	扳手 Wrench
SIR 0005K06-A12	6	12	4.3	125	13.5	11	06R/L..	-	M2*4	-	Q06
0006K06-A12	7.5	12	4.8	125	16	11	06R/L..	-	M2*4	-	Q06
0007K08	10	8	5.3	125	12	7	08R/L..	-	M2.2*6	-	Q06
0007K08-A16	10	16	5.3	125	18.5	15	08R/L..	-	M2.2*6	-	Q06
0008K08	11	8	6.6	125	14	7	08R/L..	-	M2.2*6	-	Q06
0008K08-A16	15	16	5.8	125	21	15	08R/L..	-	M2.2*6	-	Q06
0008K11	11	8	6.6	125	14	7	11R/L..	-	M2.5*7	-	Q08
0010K11	12	10	7.4	125	17	9	11R/L..	-	M2.5*7	-	Q08
0010K11-A16	12	16	7.4	125	26	15	11R/L..	-	M2.5*7	-	Q08
0012K11	15	12	8.4	125	25	11	11R/L..	-	M2.5*7	-	Q08
0013M16	16	16	10.2	150	32.5	15	16R/L..	-	M3.5*9	-	Q15
0016M16	19	16	11.7	150	27	15	16R/L..	-	M3.5*9	-	Q15
0020Q16	24	20	13.7	180	34	18	16R/L..	YE(I)16	M3.5*9	SA3007	Q15,Q10
0025R16	29	25	16.2	200	43	23	16R/L..	YE(I)16	M3.5*12	SA3007	Q15,Q10
0032S16	36	32	19.7	250	54	30	16R/L..	YE(I)16	M3.5*12	SA3007	Q15,Q10
0040T16	44	40	23.7	322	68	37	16R/L..	YE(I)16	M3.5*12	SA3007	Q15,Q10
0050U16	54	50	28.7	350	85	47	16R/L..	YE(I)16	M3.5*12	SA3007	Q15,Q10
0020Q22	24	20	15.6	180	34	18	22R/L..	-	M4*9	-	Q15
0025R22	29	25	18.1	200	43	23	22R/L..	YI22(R)	M4*14	SA3007	Q15,Q10
0032S22	38	32	21.6	250	54	30	22R/L..	YE22(L)	M4*14	SA3007	Q15,Q10
0040T22	46	40	25.6	300	68	37	22R/L..	YI22(R)	M4*14	SA3007	Q15,Q10
0050U22	56	50	30.6	350	85	47	22R/L..	YE22(L)	M4*14	SA3007	Q15,Q10
0032S27	40	32	22.6	250	54	30	27R/L..	-	M5*20	SA3007	Q15,Q10
0040T27	48	40	26.6	300	68	37	27R/L..	YI27(R)	M5*20	SA3007	Q15,Q10
0050U27	58	50	31.6	350	85	47	27R/L..	YE27(L)	M5*20	SA3007	Q15,Q10

适用 Suitable: 德克刀片 DEREK Insert

# Type G

GT\*R/L

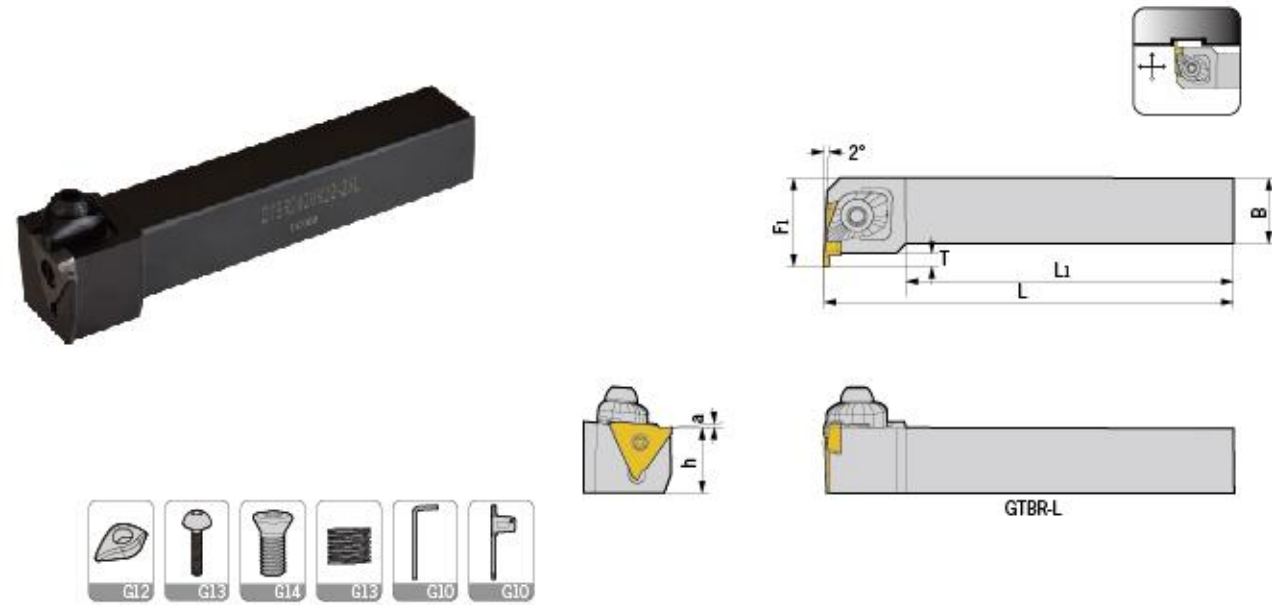


型号 Specification	最大 切深T	H	B	L	F1	刀片 Insert	压板 Clamp	压板螺丝 Clamp screw	刀片螺丝 Insert screw	弹簧 Spring	扳手 Wrench
GTBR/L 1616H16	2.5	16	16	100	20	TGF16R/L	GYR	B0620	M3.5*7	SP-0612	L045,Q15
2020K16	2.5	20	20	125	25	TGF16R/L	GYR	B0620	M3.5*7	SP-0612	L045,Q15
2525M16	2.5	25	25	150	30	TGF16R/L	GYR	B0620	M5*12	SP-0612	L045,Q20
2020K22-15	4	20	20	125	25	TGF22R/L	GYR	B0620	M5*12	SP-0612	L045,Q20
2525M22-15	4	25	25	150	30	TGF22R/L	GYR	B0620	M5*12	SP-0612	L045,Q20
2020K22-25	4.5	20	20	125	25	TGF22R/L	GYR	B0620	M5*12	SP-0612	L045,Q20
2525M22-25	4.5	25	25	150	30	TGF22R/L	GYR	B0620	M5*12	SP-0612	L045,Q20
2020K22-35	5.5	20	20	125	25	TGF22R/L	GYR	B0620	M5*12	SP-0612	L045,Q20
2525M22-35	5.5	25	25	150	30	TGF22R/L	GYR	B0620	M5*12	SP-0612	L045,Q20

适用 Suitable: 德克刀片 DEREK Insert

# Type G

GT\*R/L-L



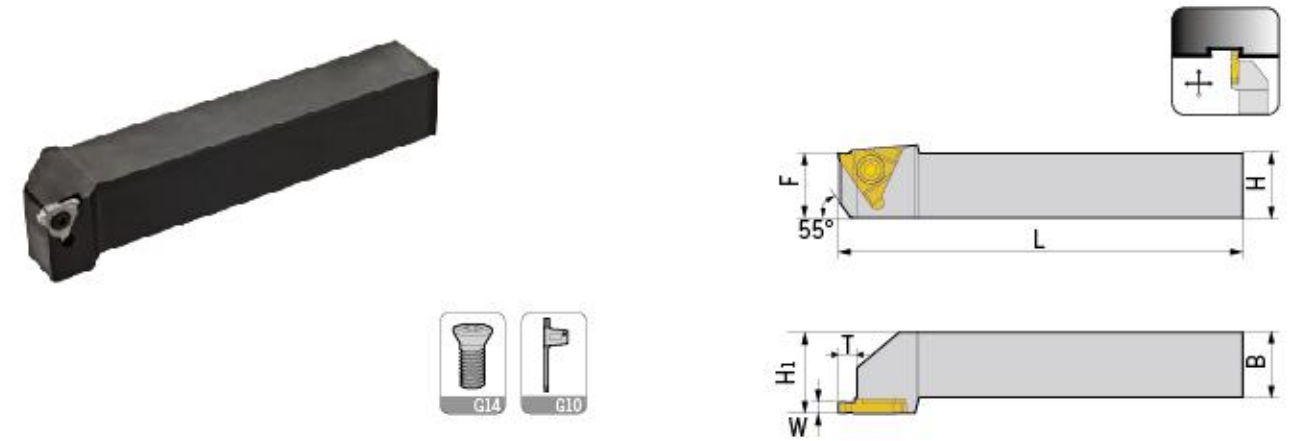
GTBR-L

型号 Specification	最大 切深T	H	B	L	F1	刀片 Insert	压板 Clamp	压板螺丝 Clamp screw	刀片螺丝 Insert screw	弹簧 Spring	扳手 Wrench
GTBR/L 1616H16L	2.5	16	16	100	20	TGF16R/L	GYL	B0620	M3.5*7	SP-0612	L045,Q15
2020K16L	2.5	20	20	125	25	TGF16R/L	GYL	B0620	M3.5*7	SP-0612	L045,Q15
2525M16L	2.5	25	25	150	30	TGF16R/L	GYL	B0620	M3.5*7	SP-0612	L045,Q15
2020K22-15L	4	20	20	125	27	TGF22R/L	GYL	B0620	M5*12	SP-0612	L045,Q20
2525M22-15L	4	25	25	150	32	TGF22R/L	GYL	B0620	M5*12	SP-0612	L045,Q20
2020K22-25L	4.5	20	20	125	27	TGF22R/L	GYL	B0620	M5*12	SP-0612	L045,Q20
2525M22-25L	4.5	25	25	150	32	TGF22R/L	GYL	B0620	M5*12	SP-0612	L045,Q20
2020K22-35L	5.5	20	20	125	27	TGF22R/L	GYL	B0620	M5*12	SP-0612	L045,Q20
2525M22-35L	5.5	25	25	150	32	TGF22R/L	GYL	B0620	M5*12	SP-0612	L045,Q20

适用 Suitable: 德克刀片 DEREK Insert

# Type K

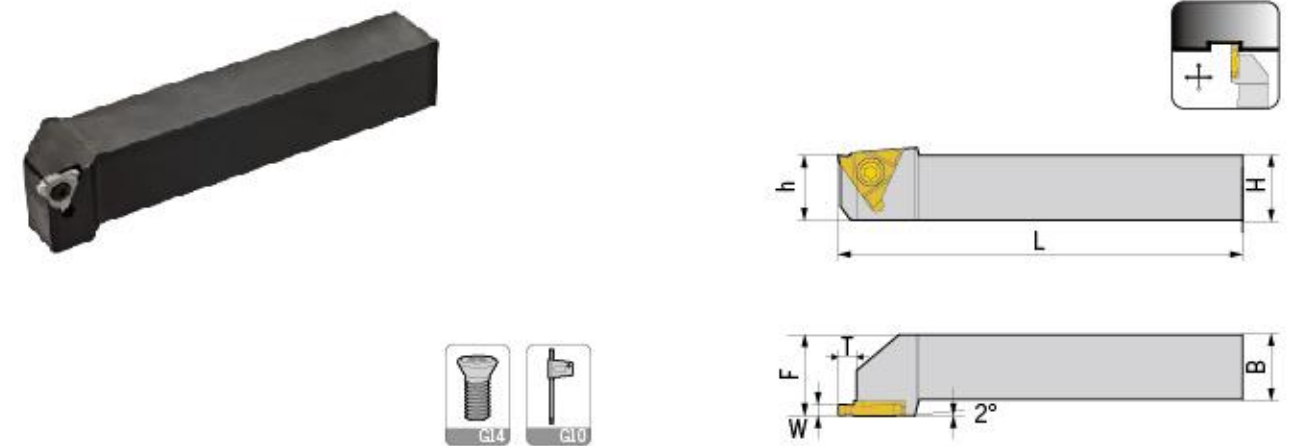
KTGR/L



型号 Specification	最大 切深T	H	B	L	F	W	刀片 Insert	螺丝 Screw	扳手 Wrench
KTGR/L 1616H16	2.3	16	16	100	21	2	VE32R200	M3.5*9	Q10
2020K16	2.3	20	20	125	25	2	VE32R200	M3.5*9	Q10
2525M16	2.5	25	25	150	30	2	VE32R200	M3.5*9	Q10

适用 Suitable: 京瓷刀片 KYOCERA Insert

KTGFR/L

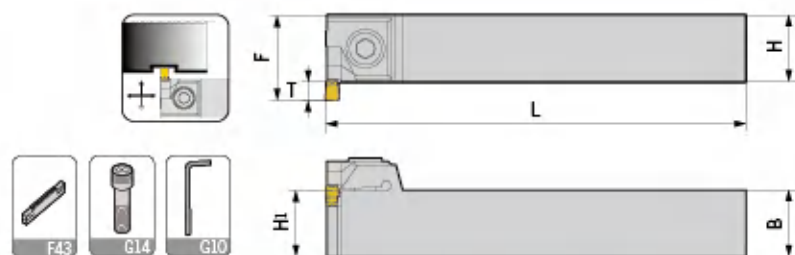


型号 Specification	最大 切深T	H	B	L	F	W	刀片 Insert	螺丝 Screw	扳手 Wrench
KTGFR/L 1616H16	2.3	16	16	100	21	2	VER32R/L...	M3.5*9	Q10
2020K16	2.3	20	20	125	25	2	VER32R/L...	M3.5*9	Q10
2525M16	2.5	25	25	150	30	2	VER32R/L...	M3.5*9	Q10

适用 Suitable: 京瓷刀片 KYOCERA Insert

# Type M

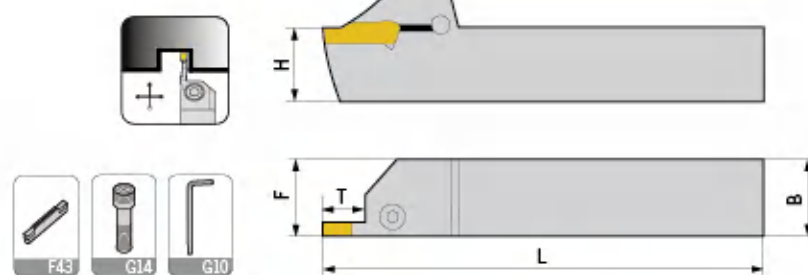
MGEVR/L



型号 Specification	最大 切深T	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
MGEVR/L 2020-2	3.6	20	20	125	24	MGMN200-G	GS050160	L04
2020-3	5.5	20	20	125	26	MGMN300-M	GS060200	L05
2020-4	5.5	20	20	125	26	MGMN400-M	GS060200	L05

适用 Suitable: 德克刀片 DEREK Insert

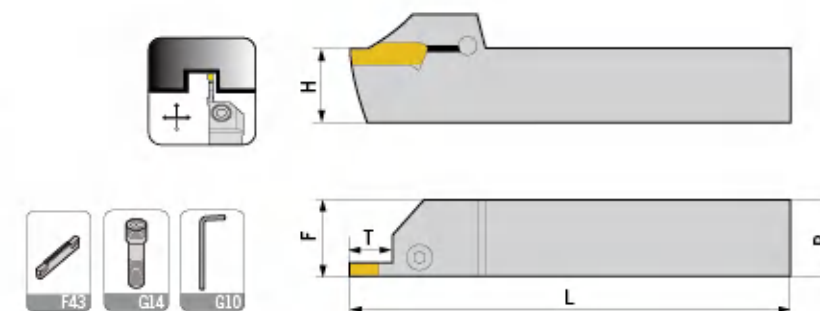
MGEHR/L



型号 Specification	最大 切深T	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
MGEHR/L 1616-1.5	14.5	16	16	100	16.25	MGMN150-G	GS050160	L04
2020-1.5	14.5	20	20	125	20.25	MGMN150-G	GS050160	L04
2525-1.5	14.5	25	25	150	25.25	MGMN150-G	GS050160	L04
1212-2	14.5	12	12	100	12.25	MGMN200-G	GS050160	L04
1616-2	14.5	16	16	100	16.25	MGMN200-M	GS050160	L04
2020-2	14.5	20	20	125	20.25	MGMN200-□□	GS050160	L04
2525-2	14.5	25	25	150	25.25	MGMN200-□□	GS050160	L04
1616-2.5	16.5	16	16	100	16.3	MGMN250-G	GS050160	L04
2020-2.5	16.5	20	20	125	20.3	MGMN250-M	GS050160	L04
2525-2.5	16.5	25	25	150	25.3	MGMN250-M	GS050160	L04
1616-3	18.5	16	16	100	16.35	MGMN250-G	GS050160	L04
2020-3	18	20	20	125	20.4	MGMN300-M	GS060200	L05
2020-3-T10	10	20	20	125	20.4	MGMN300-□□M	GS060200	L05
2525-3	18	25	25	150	25.4	MRMN300-M	GS060250	L05
2525-3-T10	10	25	25	150	25.4	MRMN300-M	GS060250	L05
3232-3	18	32	32	170	32.4	MGMN400-M	GS060250	L05
3232-3-T10	10	32	32	170	32.4	MGMN400-M	GS060250	L05

# Type M

MGEHR/L



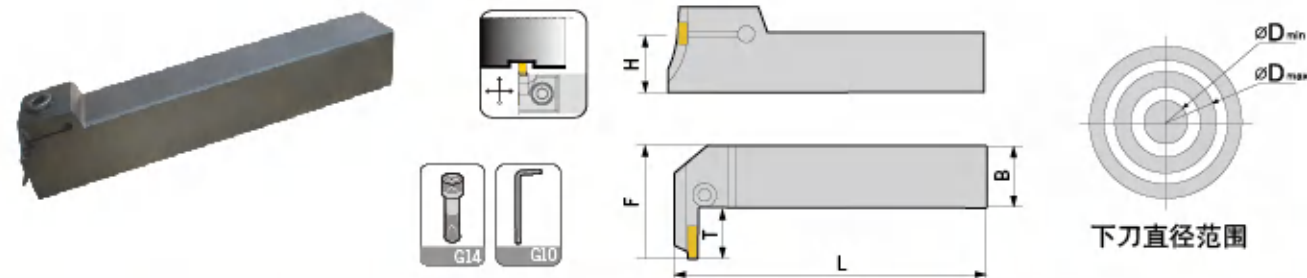
型号 Specification	最大 切深T	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
MGEHR/L 2020-4	18	20	20	125	20.4	MGMN400-M	GS060200	L05
2020-4-T10	10	20	20	125	20.4	MGMN400-□□M	GS060200	L05
2525-4	18	25	25	150	25.4	MRMN400-M	GS060250	L05
2525-4-T10	10	25	25	150	25.4	MRMN400-M	GS060250	L05
3232-4	18	32	32	170	32.4	MGMN400-□□M	GS060250	L05
3232-4-T10	10	32	32	170	32.4	MGMN400-□□M	GS060250	L05
2020-5	23	20	20	150	20.5	MGMN500-M	GS060200	L05
2020-5-T15	15	20	20	150	20.5	MGMN500-□□M	GS060200	L05
2525-5	23	25	25	150	25.5	MRMN500-M	GS060250	L05
2525-5-T15	15	25	25	150	25.5	MRMN500-M	GS060250	L05
3232-5	23	32	32	170	32.5	MGMN500-□□M	GS060250	L05
3232-5-T15	15	32	32	170	32.5	MGMN500-□□M	GS060250	L05
2020-6	23	20	20	125	20.6	MGMN600-M	GS060200	L05
2020-6-T15	15	20	20	125	20.6	MGMN600-□□M	GS060200	L05
2525-6	23	25	25	150	25.6	MRMN600-M	GS060250	L05
2525-6-T15	15	25	25	150	25.6	MRMN600-M	GS060250	L05
3232-6	23	32	32	170	32.6	MGMN600-□□M	GS060250	L05
3232-6-T15	15	32	32	170	32.6	MGMN600-□□M	GS060250	L05
2525-8	28	25	25	150	26.1	MRMN800-M	GS060250	L05
2525-8-T15	15	25	25	150	26.1	MRMN800-M	GS060250	L05
3232-8	28	32	32	170	33.1	MRMN800-M	GS060250	L05
3232-8-T15	16	32	32	170	33.1	MRMN800-M	GS060250	L05
2525-6A	23	25	25	150	25.6	MRGN600-A	GS060250	L05
2525-6A-T15	15	25	25	150	25.6	MRGN600-A	GS060250	L05
3232-6A	23	32	32	170	32.6	MRGN600-A	GS060250	L05
3232-6A-T15	15	32	32	170	32.6	MRGN600-A	GS060250	L05
2525-8A	28	25	25	150	26.1	MRGN800-A	GS060250	L05
2525-8A-T15	16	25	25	150	26.1	MRGN800-A	GS060250	L05
3232-8A	28	32	32	170	33.1	MRGN800-A	GS060250	L05
3232-8A-T15	15	32	32	170	33.1	MRGN800-A	GS060250	L05

适用 Suitable: 德克刀片 DEREK Insert

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See next page

# Type M

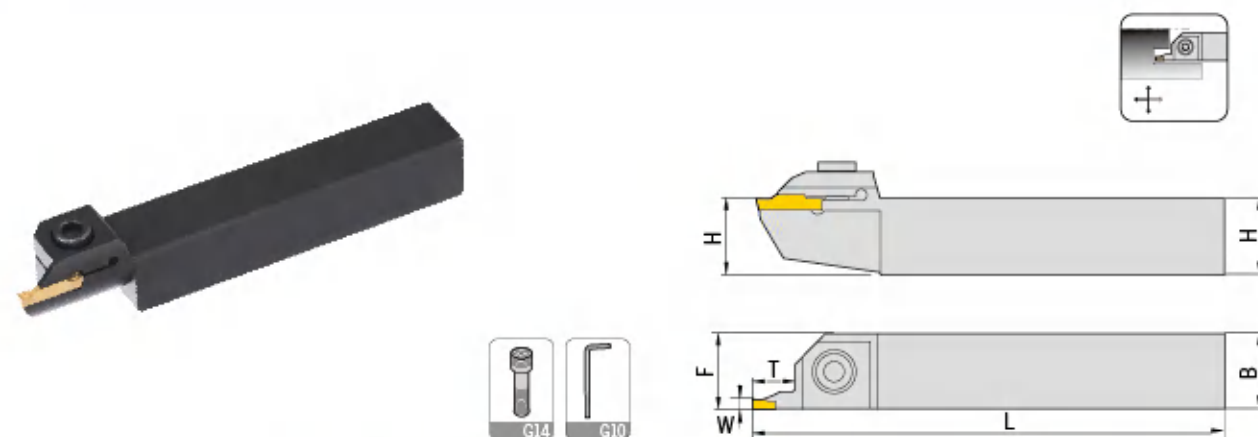
MGFVR/L



型号 Specification	D (min-max)	最大 切深T	H	B	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
MGFVR/L 325-24/35-T10	24-35	10	25	25	150	18	MFMN300	GS060200	L05
325-29/40-T10	29-40	10	25	25	150	18	MFMN300	GS060200	L05
325-34/50-T10	34-50	10	25	25	150	18	MFMN300	GS060200	L05
425-44/60-T10	44-60	10	25	25	150	25	MGMN400-N	GS060200	L05

适用 Suitable: 德克刀片 DEREK Insert

MGFHRR

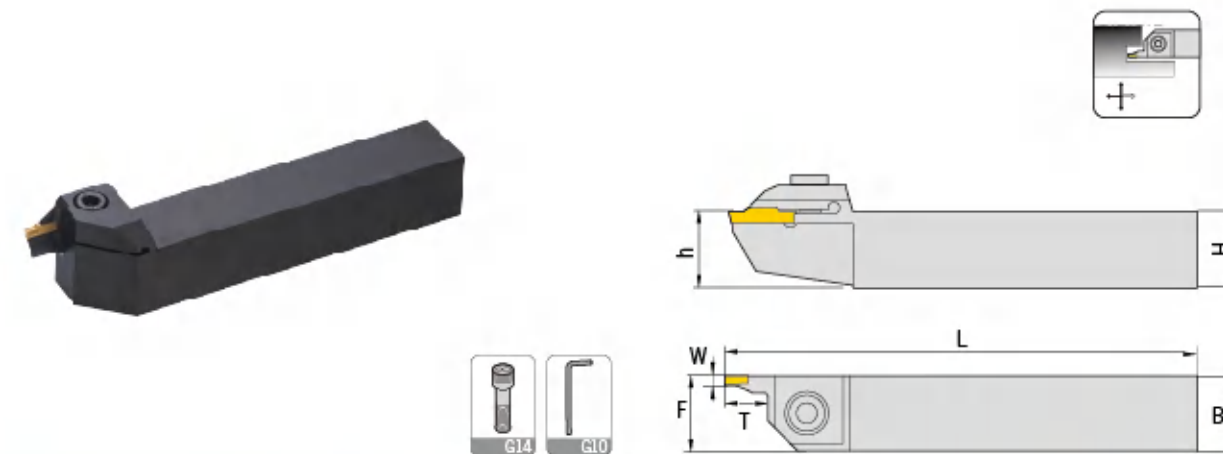


型号 Specification	D (min-max)	最大 切深T	H	h	B	L	F	W	刀片 Insert	中心螺丝 Center screw	扳手 Wrench
MGFHRR 320-24/35-T10	24-35	10	20	20	20	125	20.6	3	MFMN300	GS060200	L05
320-29/40-T10	29-40	10	20	20	20	125	20.6	3	MFMN300	GS060200	L05
320-34/50-T10	34-50	10	20	20	20	125	20.6	3	MFMN300	GS060200	L05
320-44/70-T10	44-70	10	20	20	20	125	20.6	3	MFMN300	GS060200	L05
320-64/90-T10	64-90	10	20	20	20	125	20.6	3	MFMN300	GS060200	L05
420-62/120-T15	62-120	15	20	20	20	125	20.6	4	MGMN400-M	GS060200	L05
420-112/200-T15	112-200	15	20	20	20	125	20.6	4	MGMN400-M	GS060200	L05
325-24/35-T10	24-35	10	25	25	25	150	25.6	3	MFMN300	GS060200	L05
325-29/40-T10	29-40	10	25	25	25	150	25.6	3	MFMN300	GS060200	L05
325-34/50-T10	34-50	10	25	25	25	150	25.6	3	MFMN300	GS060200	L05
325-44/70-T10	44-70	10	25	25	25	150	25.6	3	MFMN300	GS060200	L05
325-64/90-T10	64-90	10	25	25	25	150	25.6	3	MFMN300	GS060200	L05
425-62/120-T15	62-120	15	25	25	25	150	25.6	4	MGMN400-M	GS060200	L05
425-112/200-T15	112-200	15	25	25	25	150	25.6	4	MGMN400-M	GS060200	L05

适用 Suitable: 德克刀片 DEREK Insert

# Type M

MGFHRL

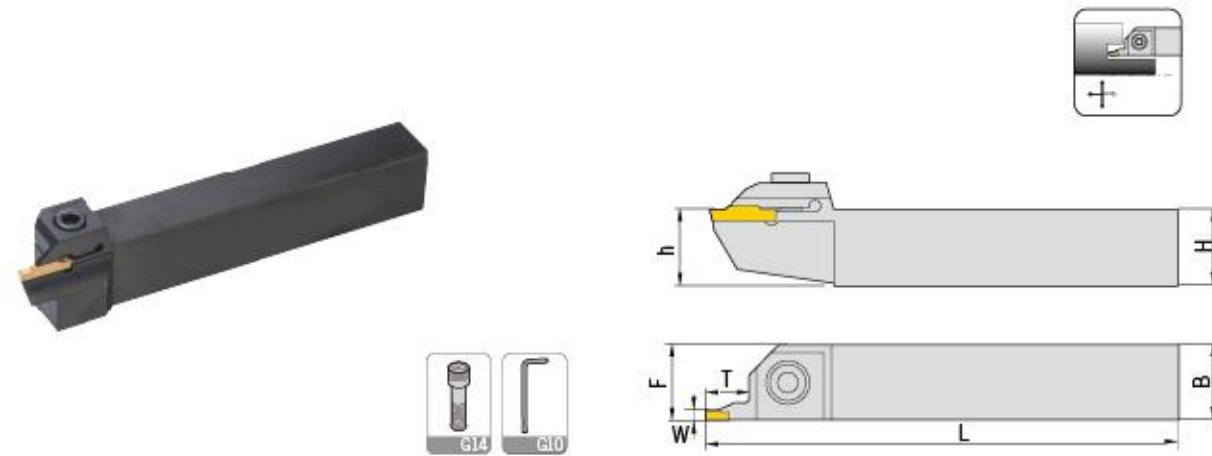


型号 Specification	D (min-max)	最大 切深T	H	B	L	F	W	刀片 Insert	中心螺丝 Center screw	扳手 Wrench
MGFHRL 320-24/35-T10	24-35	10	20	20	125	20.6	3	MFMN300	GS060200	L05
320-29/40-T10	29-40	10	20	20	125	20.6	3	MFMN300	GS060200	L05
320-34/50-T10	34-50	10	20	20	125	20.6	3	MFMN300	GS060200	L05
320-44/70-T10	44-70	10	20	20	125	20.6	3	MFMN300	GS060200	L05
320-64/99-T10	64-90	10	20	20	125	20.6	3	MFMN300	GS060200	L05
420-62/120-T15	62-120	15	20	20	125	20.6	4	MGMN400-M	GS060200	L05
420-112/200-T15	112-200	15	20	20	125	20.6	4	MGMN400-M	GS060200	L05
325-24/35-T10	24-35	10	25	25	150	25.6	3	MFMN300	GS060200	L05
325-29/40-T10	29-40	10	25	25	150	25.6	3	MFMN300	GS060200	L05
325-34/50-T10	34-50	10	25	25	150	25.6	3	MFMN300	GS060200	L05
325-44/70-T10	44-70	10	25	25	150	25.6	3	MFMN300	GS060200	L05
325-64/99-T10	64-90	10	25	25	150	25.6	3	MFMN300	GS060200	L05
425-62/120-T15	62-120	15	25	25	150	25.6	4	MGMN400-M	GS060200	L05
425-112/200-T15	112-200	15	25	25	150	25.6	4	MGMN400-M	GS060200	L05

适用 Suitable: 德克刀片 DEREK Insert

# Type M

MGFHLR

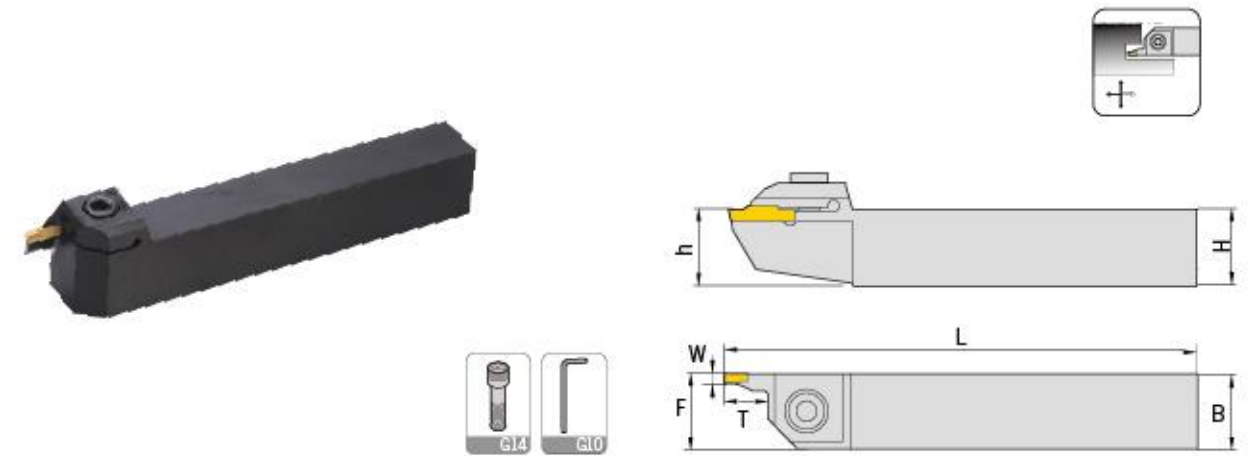


型号 Specification	D (min-max)	最大 切深T	H	B	L	F	W	刀片 Insert	中心螺丝 Center screw	扳手 Wrench
MGFHLR 320-24/35-T10	24-35	10	20	20	125	20.6	3	MFMN300	GS060200	L05
320-29/40-T10	29-40	10	20	20	125	20.6	3	MFMN300	GS060200	L05
320-34/50-T10	34-50	10	20	20	125	20.6	3	MFMN300	GS060200	L05
320-44/70-T10	44-70	10	20	20	125	20.6	3	MFMN300	GS060200	L05
320-64/90-T10	64-90	10	20	20	125	20.6	3	MFMN300	GS060200	L05
420-62/120-T15	62-120	15	20	20	125	20.6	4	MGMN400-M	GS060200	L05
420-112/200-T15	112-200	15	20	20	125	20.6	4	MGMN400-M	GS060200	L05
325-24/35-T10	24-35	10	25	25	150	25.6	3	MFMN300	GS060200	L05
325-29/40-T10	29-40	10	25	25	150	25.6	3	MFMN300	GS060200	L05
325-34/50-T10	34-50	10	25	25	150	25.6	3	MFMN300	GS060200	L05
325-44/70-T10	44-70	10	25	25	150	25.6	3	MFMN300	GS060200	L05
325-64/90-T10	64-90	10	25	25	150	25.6	3	MFMN300	GS060200	L05
425-62/120-T15	62-120	15	25	25	150	25.6	4	MGMN400-M	GS060200	L05
425-112/200-T15	112-200	15	25	25	150	25.6	4	MGMN400-M	GS060200	L05

适用 Suitable: 德克刀片 DEREK Insert

# Type M

MGFHLL

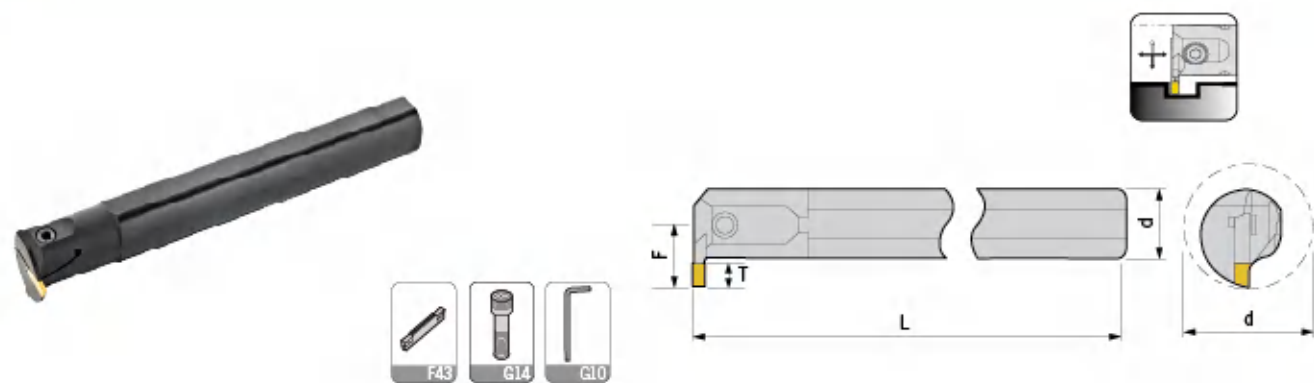


型号 Specification	D (min-max)	最大 切深T	H	B	L	F	W	刀片 Insert	中心螺丝 Center screw	扳手 Wrench
MGFHLL 320-24/35-T10	24-35	10	20	20	125	20.6	3	MFMN300	GS060200	L05
320-29/40-T10	29-40	10	20	20	125	20.6	3	MFMN300	GS060200	L05
320-34/50-T10	34-50	10	20	20	125	20.6	3	MFMN300	GS060200	L05
320-44/70-T10	44-70	10	20	20	125	20.6	3	MFMN300	GS060200	L05
320-64/99-T10	64-90	10	20	20	125	20.6	3	MFMN300	GS060200	L05
420-62/120-T15	62-120	15	20	20	125	20.6	4	MGMN400-M	GS060200	L05
420-112/200-T15	112-200	15	20	20	125	20.6	4	MGMN400-M	GS060200	L05
325-24/35-T10	24-35	10	25	25	150	25.6	3	MFMN300	GS060200	L05
325-29/40-T10	29-40	10	25	25	150	25.6	3	MFMN300	GS060200	L05
325-34/50-T10	34-50	10	25	25	150	25.6	3	MFMN300	GS060200	L05
325-44/70-T10	44-70	10	25	25	150	25.6	3	MFMN300	GS060200	L05
325-64/99-T10	64-90	10	25	25	150	25.6	3	MFMN300	GS060200	L05
425-62/120-T15	62-120	15	25	25	150	25.6	4	MGMN400-M	GS060200	L05
425-112/200-T15	112-200	15	25	25	150	25.6	4	MGMN400-M	GS060200	L05

适用 Suitable: 德克刀片 DEREK Insert

# Type M

MGIVR/L

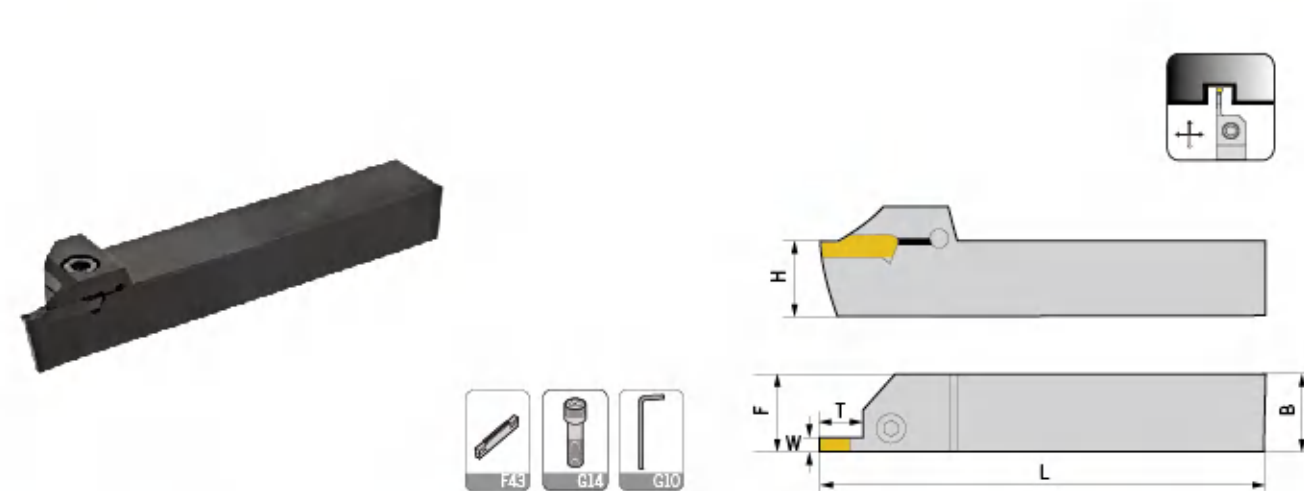


型号 Specification	最小 加工径	最大 切深T	d	L	F	刀片 Insert	螺丝 Screw	扳手 Wrench
MGIVR/L 2016-1.5	20	4	16	125	11.3	MGMN150-G	GS030100	L025
2520-1.5	25	4	20	150	13.1	MGMN150-G	GS050120	L04
2925-1.5	29	4	25	200	16.2	MGMN150-G	GS050120	L04
2016-2	20	5	16	125	12.4	MGMN200-G	GS030100	L025
2520-2	25	5	20	150	14	MGMN200-M	GS050120	L04
2925-2	29	5	25	200	17.2	MRMN200-M	GS050120	L04
2016-2.5	20	6	16	125	12.5	MGMN250-G	GS030100	L025
2520-2.5	25	6	20	150	15.1	MGMN250-M	GS050160	L04
2925-2.5	29	6	25	200	18.2	MGMN250-M	GS050160	L04
2520-3	25	6	20	150	15.6	MGMN300-M/G	GS050120	L04
3125-3	31	6	25	200	18.9	MGGN300-□□M	GS050160	L04
3732-3	37	6	32	250	21.5	MRMN300-M	GS050160	L04
2520-4	25	6	20	150	15.6	MGMN400-M/G	GS050120	L04
3125-4	31	6	25	200	18.9	MGGN400-□□M	GS050120	L04
3732-4	37	6	32	250	21.5	MRMN400-M	GS050120	L04
3125-5	31	8	25	200	19.4	MGMN500-M/G	GS060200	L05
3732-5	37	8	32	250	21.5	MGGN500-□□M	GS060200	L05
3725-6	31	8	25	200	19.4	MGMN600-M/G	GS060200	L05
3732-6	37	8	32	250	21.5	MGGN600-□□M	GS060200	L05
3732-8	37	10	32	250	23.4	MRMN800-M	GS060200	L05
4540-8	45	10	40	300	27.2	MGMN800-M	GS060200	L05
3125-6A	31	8	25	200	19.4	MRGN600-A	GS060200	L05
3732-6A	37	8	32	250	21.5	MRGN600-A	GS060200	L05
3732-8A	37	10	32	250	23.4	MRGN800-A	GS060200	L05
4540-8A	45	10	40	300	27.2	MRGN800-A	GS060200	L05

适用 Suitable: 德克刀片 DEREK Insert

# Type Q

QE\*DR/L

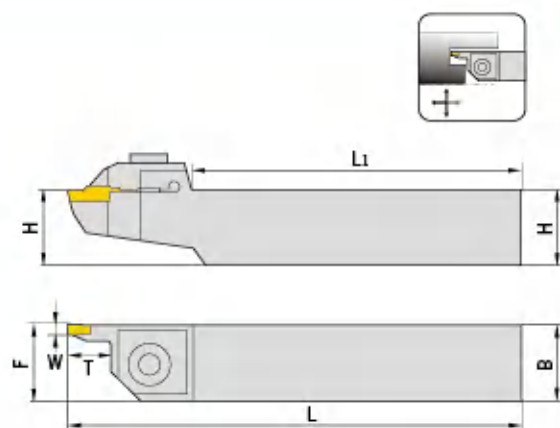


型号 Specification	最大 切深T	H	B	L	F	W	刀片 Insert	螺丝 Screw	扳手 Wrench
QEED 1616R/L10	10	16	16	125	16.3	2.5	Z*ED****-**	GS050160	L04
1616R/L17	17	16	16	125	16.3	2.5	Z*ED****-**	GS050160	L04
2020R/L10	10	20	20	125	20.3	2.5	Z*ED****-**	GS060200	L05
2020R/L17	17	20	20	125	20.3	2.5	Z*ED****-**	GS060200	L05
2525R/L10	10	25	25	150	25.3	2.5	Z*ED****-**	GS060250	L05
2525R/L17	17	25	25	150	25.3	2.5	Z*ED****-**	GS060250	L05
QEFD 1616R/L10	10	16	16	125	16.3	3	Z*FD****-**	GS050160	L04
1616R/L17	17	16	16	125	16.3	3	Z*FD****-**	GS050160	L04
2020R/L10	10	20	20	125	20.3	3	Z*FD****-**	GS060200	L05
2020R/L17	17	20	20	125	20.3	3	Z*FD****-**	GS060200	L05
2525R/L10	10	25	25	150	25.3	3	Z*FD****-**	GS060250	L05
2525R/L17	17	25	25	150	25.3	3	Z*FD****-**	GS060250	L05
QEGD 2020R/L13	13	20	20	125	20.5	4	Z*GD****-**	GS060200	L05
2020R/L22	22	20	20	125	20.5	4	Z*GD****-**	GS060200	L05
2525R/L13	13	25	25	150	25.5	4	Z*GD****-**	GS060250	L05
2525R/L22	22	25	25	150	25.5	4	Z*GD****-**	GS060250	L05
3232R/L13	13	32	32	170	32.5	4	Z*GD****-**	GS060250	L05
3232R/L22	22	32	32	170	32.5	4	Z*GD****-**	GS060250	L05
QEHD 2525R/L13	13	25	25	150	25.5	5	Z*HD****-**	GS060250	L05
2525R/L22	22	25	25	150	25.5	5	Z*HD****-**	GS060250	L05
3232R/L13	13	32	32	170	32.5	5	Z*HD****-**	GS060250	L05
3232R/L22	22	32	32	170	32.5	5	Z*HD****-**	GS060250	L05
QEKD 2525R/L13	13	25	25	150	25.6	6	Z*KD****-**	GS060250	L05
2525R/L22	22	25	25	150	25.6	6	Z*KD****-**	GS060250	L05
3232R/L13	13	32	32	170	32.6	6	Z*KD****-**	GS060250	L05
3232R/L22	22	32	32	170	32.6	6	Z*KD****-**	GS060250	L05

适用 Suitable: 德克刀片 DEREK Insert

# Type Q

QF\*D\*\*LL\*\*

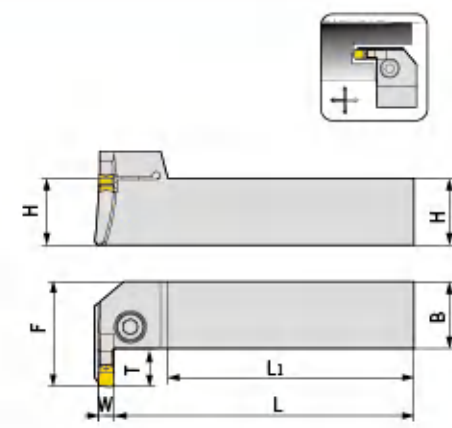


型号 Specification	D (min-max)	最大 切深T	H	B	L	F	W	刀片 Insert	螺丝 Screw	扳手 Wrench
<b>QFFD</b> 2525LL10-48H	48-66	10	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525LL17-48H	48-66	17	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525LL10-60H	60-80	10	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525LL17-60H	60-80	17	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525LL10-74H	74-110	10	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525LL17-74H	74-110	17	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525LL10-100H	100-150	10	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525LL17-100H	100-150	17	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
<b>QFGD</b> 2525LL13-52H	52-72	13	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525LL22-52H	52-72	22	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525LL13-64H	64-100	13	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525LL22-64H	64-100	22	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525LL13-90H	90-140	13	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525LL22-90H	90-140	22	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525LL13-130H	130-230	13	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525LL22-130H	130-230	22	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
<b>QFHD</b> 2525LL13-58H	58-96	13	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525LL22-58H	58-96	22	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525LL13-86H	86-140	13	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525LL22-86H	86-140	22	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525LL13-130H	130-200	13	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525LL22-130H	130-200	22	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525LL13-185H	185-400	13	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525LL22-185H	185-400	22	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
<b>QFKD</b> 2525LL13-60H	60-100	13	25	25	150	26	6	ZTKD0608-MG	GS060250	L05
2525LL22-60H	60-100	22	25	25	150	26	6	ZTKD0608-MG	GS060250	L05
2525LL13-88H	88-180	13	25	25	150	26	6	ZTKD0608-MG	GS060250	L05
2525LL22-88H	88-180	22	25	25	150	26	6	ZTKD0608-MG	GS060250	L05
2525LL13-160H	160-400	13	25	25	150	26	6	ZTKD0608-MG	GS060250	L05
2525LL22-160H	160-400	22	25	25	150	26	6	ZTKD0608-MG	GS060250	L05

适用 Suitable: 德克刀片 DEREK Insert

# Type Q

QF\*D-L

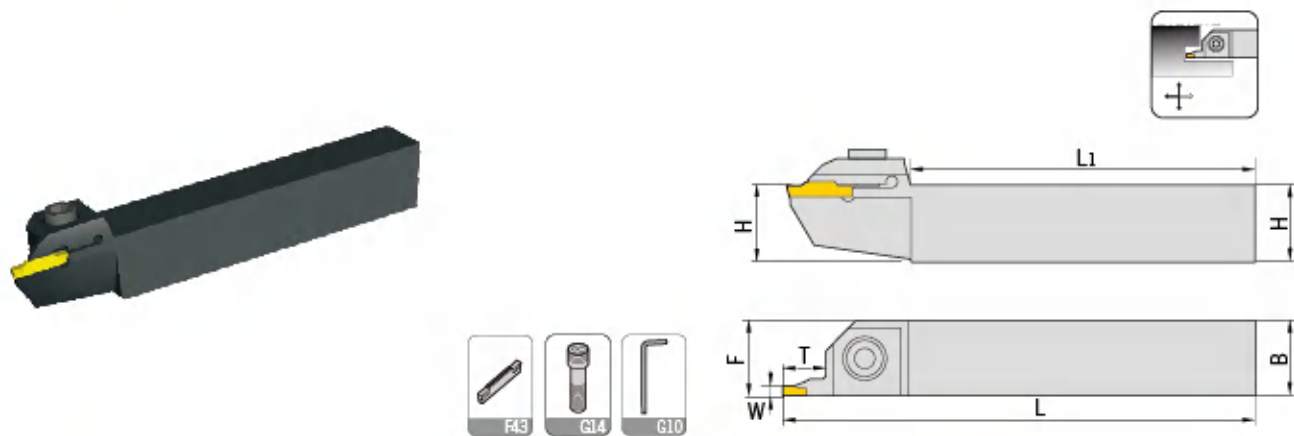


型号 Specification	D (min-max)	最大 切深T	H	B	L	F	W	刀片 Insert	螺丝 Screw	扳手 Wrench
<b>QFFD</b> 2525R/L10-48L	48-66	10	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525R/L17-48L	48-66	17	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525R/L10-60L	60-80	10	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525R/L17-60L	60-80	17	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525R/L10-74L	74-110	10	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525R/L17-74L	74-110	17	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525R/L10-100L	100-150	10	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525R/L17-100L	100-150	17	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
<b>QFGD</b> 2525R/L13-52L	52-72	13	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525R/L22-52L	52-72	22	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525R/L13-64L	64-100	13	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525R/L22-64L	64-100	22	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525R/L13-90L	90-140	13	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525R/L22-90L	90-140	22	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525R/L13-130L	130-230	13	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525R/L22-130L	130-230	22	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
<b>QFHD</b> 2525R/L13-58L	58-96	13	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525R/L22-58L	58-96	22	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525R/L13-86L	86-140	13	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525R/L22-86L	86-140	22	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525R/L13-130L	130-200	13	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525R/L22-130L	130-200	22	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525R/L13-185L	185-400	13	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525R/L22-185L	185-400	22	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
<b>QFKD</b> 2525R/L13-60L	60-100	13	25	25	150	26	6	ZTKD0608-MG	GS060250	L05
2525R/L22-60L	60-100	22	25	25	150	26	6	ZTKD0608-MG	GS060250	L05
2525R/L13-88L	88-180	13	25	25	150	26	6	ZTKD0608-MG	GS060250	L05
2525R/L22-88L	88-180	22	25	25	150	26	6	ZTKD0608-MG	GS060250	L05
2525R/L13-160L	160-400	13	25	25	150	26	6	ZTKD0608-MG	GS060250	L05
2525R/L22-160L	160-400	22	25	25	150	26	6	ZTKD0608-MG	GS060250	L05

适用 Suitable: 德克刀片 DEREK Insert

# Type Q

QF\*D\*\*RR\*\*

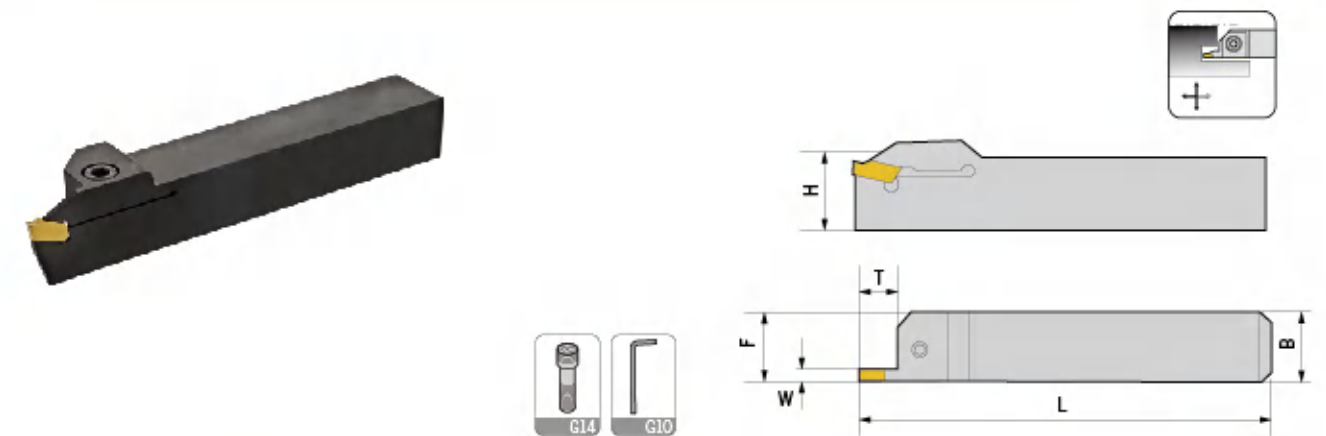


型号 Specification	D (min-max)	最大 切深T	H	B	L	F	W	刀片 Insert	螺丝 Screw	扳手 Wrench
<b>QFFD</b> 2525RR10-48H	48-66	10	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525RR17-48H	48-66	17	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525RR10-60H	60-80	10	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525RR17-60H	60-80	17	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525RR10-74H	74-110	10	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525RR17-74H	74-110	17	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525RR10-100H	100-150	10	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
2525RR17-100H	100-150	17	25	25	150	26	3	ZTFD0303-MG	GS060250	L05
<b>QFGD</b> 2525RR13-52H	52-72	13	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525RR22-52H	52-72	22	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525RR13-64H	64-100	13	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525RR22-64H	64-100	22	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525RR13-90H	90-140	13	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525RR22-90H	90-140	22	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525RR13-130H	130-230	13	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
2525RR22-130H	130-230	22	25	25	150	26	4	ZTGD0404-MG	GS060250	L05
<b>QFHD</b> 2525RR13-58H	58-96	13	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525RR22-58H	58-96	22	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525RR13-86H	86-140	13	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525RR22-86H	86-140	22	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525RR13-130H	130-200	13	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525RR22-130H	130-200	22	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525RR13-185H	185-400	13	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
2525RR22-185H	185-400	22	25	25	150	26	5	ZTHD0504-MG	GS060250	L05
<b>QFKD</b> 2525RR13-60H	60-100	13	25	25	150	26	6	ZTKD0608-MG	GS060250	L05
2525RR22-60H	60-100	22	25	25	150	26	6	ZTKD0608-MG	GS060250	L05
2525RR13-88H	88-180	13	25	25	150	26	6	ZTKD0608-MG	GS060250	L05
2525RR22-88H	88-180	22	25	25	150	26	6	ZTKD0608-MG	GS060250	L05
2525RR13-160H	160-400	13	25	25	150	26	6	ZTKD0608-MG	GS060250	L05
2525RR22-160H	160-400	22	25	25	150	26	6	ZTKD0608-MG	GS060250	L05

适用 Suitable:德克刀片 DEREK Insert

# Type Q

QZQ

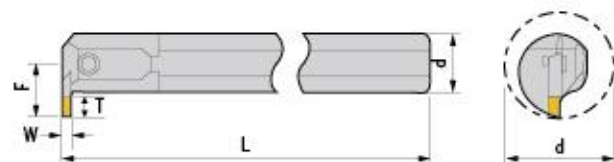
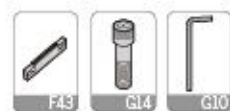


型号 Specification	最大 切深T	H	B	L	F	W	刀片 Insert	螺丝 Screw	扳手 Wrench
<b>QZQ</b> 1616R/L03	16	16	16	100	16.4	3	ZQMX3N11-1E	GS050160	L04
2020R/L03	20	20	20	125	20.4	3	ZQMX3N11-1E	GS050160	L04
2525R/L03	20	25	25	150	25.4	3	ZQMX3N11-1E	GS060200	L05
3232R/L03	25	32	32	170	25.4	3	ZQMX3N11-1E	GS060200	L05
1616R/L04	16	16	16	100	16.4	4	ZQMX4N11-1E	GS050160	L04
2020R/L04	20	20	20	125	20.4	4	ZQMX4N11-1E	GS050160	L04
2525R/L04	20	25	25	150	25.4	4	ZQMX4N11-1E	GS060200	L05
3232R/L04	25	32	32	170	25.4	4	ZQMX4N11-1E	GS060200	L05

适用 Suitable:德克刀片 DEREK Insert

# Type Q

Q\*DR/L

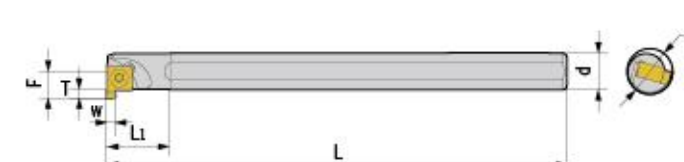


型号 Specification	最小 加工径	最大 切深T	d	L	F	W	刀片 Insert	螺丝 Screw	扳手 Wrench
C20Q-QEDR/L05-27	27	5	20	180	15.2	2.5	ZTED***** ZRED*****	GS050120	L04
C25R-QEDR/L07-33	33	7	25	200	20.3	2.5		GS050160	L04
C32S-QEDR/L09-42	42	9	32	250	25.3	2.5		GS050160	L04
C20Q-QFDR/L05-27	27	5	20	180	15.2	3	ZTFD***** ZRFD*****	GS050120	L04
C25R-QFDR/L07-33	33	7	25	200	20.3	3		GS050160	L04
C32S-QFDR/09-42	42	9	32	250	25.3	3		GS050160	L04
C25R-QGDR/L08-35	35	8	25	200	21.5	4	ZTGD***** ZRGD*****	GS050160	L04
C32S-QGDR/L11-44	44	11	32	250	27.5	4		GS050160	L04
C40T-QGDR/L13-54	54	13	40	300	33.5	4		GS050160	L04
C25R-QHDR/L08-35	35	8	25	200	21.5	5	ZTHD***** ZRHD*****	GS050160	L05
C32S-QHDR/L11-44	44	11	32	250	27.5	5		GS060200	L05
C40T-QHDR/L13-54	54	13	40	300	33.5	5		GS060200	L05
C25R-QKDR/L08-35	35	8	25	200	21.5	6	ZTKD***** ZRKD*****	GS060160	L05
C32S-QKDR/11-44	44	11	32	250	27.5	6		GS060200	L05
C40T-QKDR/L13-54	54	13	40	300	33.5	6		GS060200	L05

适用 Suitable: 德克刀片 DEREK Insert

# Type S

SNGR/L



型号 Specification	最小 加工径	d	F	L	L1	T	W	刀片 Insert	螺丝 Screw	扳手 Wrench
SNGR/L 08H07	10	8	5.8	100	16	1.7	2	7GR200	M2.2*5	Q06
10K07	12	10	6.8	125	20	1.7	2	7GR200	M2.2*6	Q06
10K08	14	10	7.6	125	20	2.2	3	8GR300	M2.2*7	Q06
12M08	16	12	8.6	150	24	2.2	1	8GR100	M2.2*7	Q06
16Q09	20	16	11.5	180	32	3.2	3	9GR300	M2.5*9	Q08
20R09	24	20	13.6	200	40	3.2	3	9GR300	M2.5*9	Q08

适用 Suitable: 东芝刀片 TUNGALOY Insert

车刀系列  
TURNING TOOLS

车刀系列  
TURNING TOOLS

外圆车刀  
External turning tool

外圆车刀  
External turning tool

内孔车刀  
Internal turning tool

内孔车刀  
Internal turning tool

螺纹车刀  
Threading tool

螺纹车刀  
Threading tool

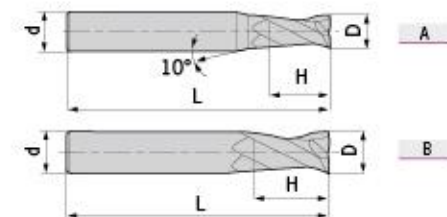
切槽车刀  
Grooving tool

切槽车刀  
Grooving tool



# DP

DP-2-E / Square / Standard / 2 Flutes  
DP-2-E 两刃直柄平头立铣刀



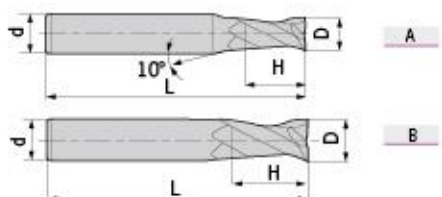
型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DP- D1.0S-50-2T-E	2	A	1.0	4	3	50
D1.5S-50-2T-E	2	A	1.5	4	4	50
D2.0S-50-2T-E	2	A	2.0	4	6	50
D2.5S-50-2T-E	2	A	2.5	4	8	50
D3.0S-50-2T-E	2	A	3.0	4	8	50
D4.0S-50-2T-E	2	B	4.0	4	11	50
D1.0-50-2T-E	2	A	1.0	6	3	50
D1.5-50-2T-E	2	A	1.5	6	4	50
D2.0-50-2T-E	2	A	2.0	6	6	50
D2.5-50-2T-E	2	A	2.5	6	8	50
D3.0-50-2T-E	2	A	3.0	6	8	50
D3.5-50-2T-E	2	A	3.5	6	10	50
D4.0-50-2T-E	2	A	4.0	6	11	50
D4.5-50-2T-E	2	A	4.5	6	11	50
D5.0-50-2T-E	2	A	5.0	6	13	50
D5.5-50-2T-E	2	A	5.5	6	16	50
D6.0-50-2T-E	2	B	6.0	6	16	50
D7.0-60-2T-E	2	A	7.0	8	20	60
D8.0-60-2T-E	2	B	8.0	8	20	60
D9.0-75-2T-E	2	A	9.0	10	22	75
D10.0-75-2T-E	2	B	10.0	10	25	75
D11.0-75-2T-E	2	A	11.0	12	26	75
D12.0-75-2T-E	2	B	12.0	12	30	75
D14.0-75-2T-E	2	B	14.0	14	32	75
D16.0-100-2T-E	2	B	16.0	16	45	100
D18.0-100-2T-E	2	B	18.0	18	45	100
D20.0-100-2T-E	2	B	20.0	20	45	100

■ 被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel ~40HRC ~50HRC ~55HRC ~68HRC				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○	○	

整体硬质合金立铣刀  
Coated END MILLS

## DP-2-EL / Square / Long / 2 Flutes DP-2-EL 两刃直柄长刃平头立铣刀

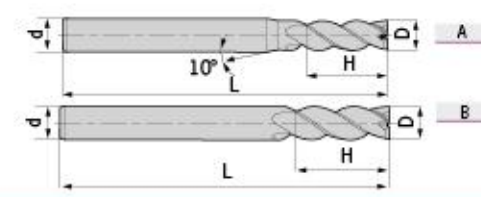


型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DP- D3.0-75-2T-EL	2	A	3.0	6	12	75
D4.0-75-2T-EL	2	A	4.0	6	15	75
D5.0-75-2T-EL	2	A	5.0	6	20	75
D6.0-75-2T-EL	2	B	6.0	6	20	75
D8.0-100-2T-EL	2	B	8.0	8	25	100
D10.0-100-2T-EL	2	B	10.0	10	30	100
D12.0-100-2T-EL	2	B	12.0	12	35	100
D14.0-100-2T-EL	2	B	14.0	14	40	100
D16.0-150-2T-EL	2	B	16.0	16	50	150
D20.0-150-2T-EL	2	B	20.0	20	55	150

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel ~40HRC ~50HRC ~55HRC ~68HRC				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○	○	

## DP-4-E / Square / Standard / 4 Flutes DP-4-E 四刃直柄平头立铣刀

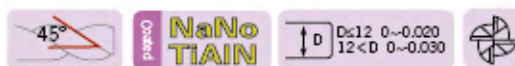
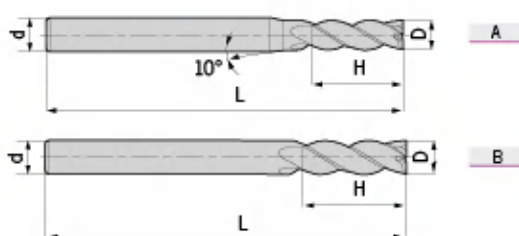


型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DP- D1.0S-50-4T-E	4	A	1.0	4	3	50
D1.5S-50-4T-E	4	A	1.5	4	4	50
D2.0S-50-4T-E	4	A	2.0	4	6	50
D2.5S-50-4T-E	4	A	2.5	4	8	50
D3.0S-50-4T-E	4	A	3.0	4	8	50
D4.0S-50-4T-E	4	B	4.0	4	11	50
D1.0-50-4T-E	4	A	1.0	6	3	50
D1.5-50-4T-E	4	A	1.5	6	4	50
D2.0-50-4T-E	4	A	2.0	6	6	50
D2.5-50-4T-E	4	A	2.5	6	8	50
D3.0-50-4T-E	4	A	3.0	6	8	50
D3.5-50-4T-E	4	A	3.5	6	10	50
D4.0-50-4T-E	4	A	4.0	6	11	50
D4.5-50-4T-E	4	A	4.5	6	11	50
D5.0-50-4T-E	4	A	5.0	6	13	50
D5.5-50-4T-E	4	A	5.5	6	16	50
D6.0-50-4T-E	4	B	6.0	6	16	50
D7.0-60-4T-E	4	A	7.0	8	20	60
D8.0-60-4T-E	4	B	8.0	8	20	60
D9.0-75-4T-E	4	A	9.0	10	22	75
D10.0-75-4T-E	4	B	10.0	10	25	75
D11.0-75-4T-E	4	A	11.0	12	26	75
D12.0-75-4T-E	4	B	12.0	12	30	75
D14.0-75-4T-E	4	B	14.0	14	32	75
D16.0-100-4T-E	4	B	16.0	16	45	100
D18.0-100-4T-E	4	B	18.0	18	45	100
D20.0-100-4T-E	4	B	20.0	20	45	100

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel ~40HRC ~50HRC ~55HRC ~68HRC				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○	○	

## DP-4-EL / Square / Long / 4 Flutes DP-4-EL 四刃直柄平头立铣刀

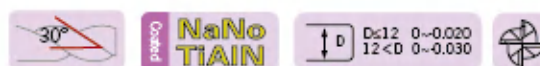
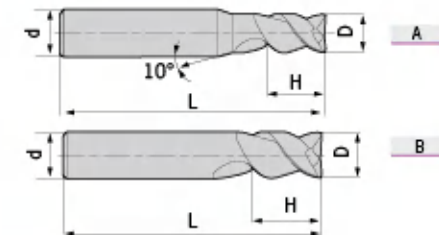


型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DP- D3.0-75-4T-EL	4	A	3.0	6	12	75
D4.0-75-4T-EL	4	A	4.0	6	15	75
D5.0-75-4T-EL	4	A	5.0	6	20	75
D6.0-75-4T-EL	4	B	6.0	6	20	75
D8.0-100-4T-EL	4	B	8.0	8	25	100
D10.0-100-4T-EL	4	B	10.0	10	30	100
D12.0-100-4T-EL	4	B	12.0	12	35	100
D14.0-100-4T-EL	4	B	14.0	14	40	100
D16.0-150-4T-EL	4	B	16.0	16	50	150
D20.0-150-4T-EL	4	B	20.0	20	55	150

被加工材料使用表 非常適合 ○ 適合 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○

## DP-4-G-E / Square / Standard / 4 Flutes DP-4-G-E 四刃直柄平头立铣刀



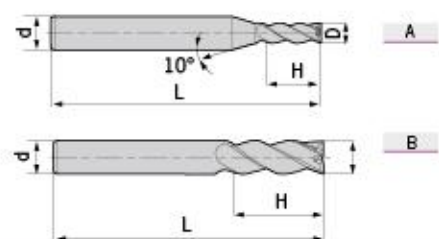
型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DP- D1.0S-50-4T-G-E	4	A	1.0	4	3	50
D1.5S-50-4T-G-E	4	A	1.5	4	4	50
D2.0S-50-4T-G-E	4	A	2.0	4	6	50
D2.5S-50-4T-G-E	4	A	2.5	4	8	50
D3.0S-50-4T-G-E	4	A	3.0	4	8	50
D4.0S-50-4T-G-E	4	B	4.0	4	11	50
D1.0-50-4T-G-E	4	A	1.0	6	3	50
D1.5-50-4T-G-E	4	A	1.5	6	4	50
D2.0-50-4T-G-E	4	A	2.0	6	6	50
D2.5-50-4T-G-E	4	A	2.5	6	8	50
D3.0-50-4T-G-E	4	A	3.0	6	8	50
D3.5-50-4T-G-E	4	A	3.5	6	10	50
D4.0-50-4T-G-E	4	A	4.0	6	11	50
D4.5-50-4T-G-E	4	A	4.5	6	11	50
D5.0-50-4T-G-E	4	A	5.0	6	13	50
D5.5-50-4T-G-E	4	A	5.5	6	16	50
D6.0-50-4T-G-E	4	B	6.0	6	16	50
D7.0-60-4T-G-E	4	A	7.0	8	20	60
D8.0-60-4T-G-E	4	B	8.0	8	20	60
D9.0-75-4T-G-E	4	A	9.0	10	22	75
D10.0-75-4T-G-E	4	B	10.0	10	25	75
D11.0-75-4T-G-E	4	A	11.0	12	26	75
D12.0-75-4T-G-E	4	B	12.0	12	30	75
D14.0-75-4T-G-E	4	B	14.0	14	32	75
D16.0-100-4T-G-E	4	B	16.0	16	45	100
D18.0-100-4T-G-E	4	B	18.0	18	45	100
D20.0-100-4T-G-E	4	B	20.0	20	45	100

被加工材料使用表 非常適合 ○ 适合 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○

# DP

DP-4-G-EL / Square / Long / 4 Flutes  
DP-4-G-EL 四刃直柄长柄平头立铣刀



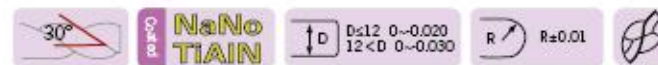
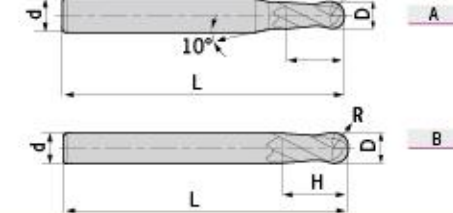
型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DP- D3.0-75-4T-G-EL	4	A	3.0	6	12	75
D4.0-75-4T-G-EL	4	A	4.0	6	15	75
D5.0-75-4T-G-EL	4	A	5.0	6	20	75
D6.0-75-4T-G-EL	4	B	6.0	6	20	75
D8.0-100-4T-G-EL	4	B	8.0	8	25	100
D10.0-100-4T-G-EL	4	B	10.0	10	30	100
D12.0-100-4T-G-EL	4	B	12.0	12	35	100
D14.0-100-4T-G-EL	4	B	14.0	14	40	100
D16.0-150-4T-G-EL	4	B	16.0	16	50	150
D20.0-150-4T-G-EL	4	B	20.0	20	55	150

被加工材料使用表 非常适合 适合 Work Piece Table Excellent Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel ~40HRC ~50HRC ~55HRC ~68HRC				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○	○	

# DP

DP-2-B / Ball / Standard / 2 Flutes  
DP-2-B 两刃直柄球头立铣刀

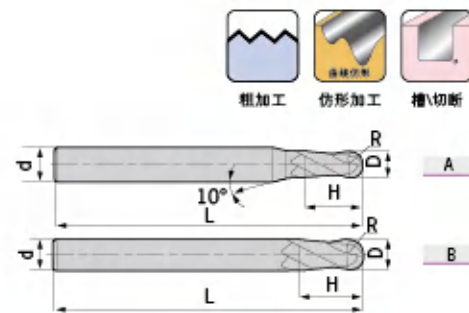
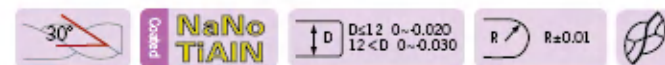


型号 Specification	刃数 Teeth	图示 Figure	D	R	d	H	L
DP- R0.5S-50-2T-B	2	A	1.0	0.5	4	2	50
R0.75S-50-2T-B	2	A	1.5	0.75	4	3	50
R1.0S-50-2T-B	2	A	2.0	1.0	4	4	50
R1.25S-50-2T-B	2	A	2.5	1.25	4	5	50
R1.5S-50-2T-B	2	A	3.0	1.5	4	6	50
R2.0S-50-2T-B	2	B	4.0	2.0	4	8	50
R0.5-50-2T-B	2	A	1.0	0.5	6	2	50
R0.75-50-2T-B	2	A	1.5	0.75	6	3	50
R1.0-50-2T-B	2	A	2.0	1.0	6	4	50
R1.25-50-2T-B	2	A	2.5	1.25	6	5	50
R1.5-50-2T-B	2	A	3.0	1.5	6	6	50
R1.75-50-2T-B	2	A	3.5	1.75	6	8	50
R2.0-50-2T-B	2	A	4.0	2.0	6	8	50
R2.5-50-2T-B	2	A	5.0	2.5	6	10	50
R2.75-50-2T-B	2	A	5.5	2.75	6	12	50
R3.0-50-2T-B	2	B	6.0	3.0	6	12	50
R3.5-60-2T-B	2	A	7.0	3.5	8	14	60
R4.0-60-2T-B	2	B	8.0	4.0	8	16	60
R4.5-75-2T-B	2	A	9.0	4.5	10	18	75
R5.0-75-2T-B	2	B	10.0	5.0	10	20	75
R6.0-75-2T-B	2	B	12.0	6.0	12	24	75
R7.0-75-2T-B	2	B	14.0	7.0	14	28	75
R8.0-100-2T-B	2	B	16.0	8.0	16	32	100
R10.0-100-2T-B	2	B	20.0	10.0	20	40	100

被加工材料使用表 非常适合 适合 Work Piece Table Excellent Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel ~40HRC ~50HRC ~55HRC ~68HRC				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○	○	

## DP-2-BL / Ball / Long / 2 Flutes DP-2-BL 两刃直柄长柄球头立铣刀

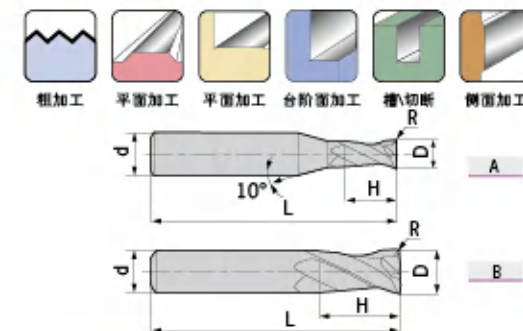
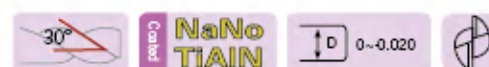


型号 Specification	刃数 Teeth	图示 Figure	D	R	d	H	L
DP- R1.0-75-2T-BL	2	A	2.0	1.0	6	4	75
R1.25-75-2T-BL	2	A	2.5	1.25	6	5	75
R1.5-75-2T-BL	2	A	3.0	1.5	6	6	75
R1.75-75-2T-BL	2	A	3.5	1.75	6	8	75
R2.0-75-2T-BL	2	A	4.0	2.0	6	8	75
R2.5-75-2T-BL	2	A	5.0	2.5	6	10	75
R2.75-75-2T-BL	2	A	5.5	2.75	6	12	75
R3.0-75-2T-BL	2	B	6.0	3.0	6	12	75
R3.5-75-2T-BL	2	A	7.0	3.5	8	14	75
R4.0-100-2T-BL	2	B	8.0	4.0	8	16	100
R4.5-100-2T-BL	2	A	9.0	4.5	10	18	100
R5.0-100-2T-BL	2	B	10.0	5.0	10	20	100
R6.0-100-2T-BL	2	B	12.0	6.0	12	24	100
R7.0-100-2T-BL	2	B	14.0	7.0	14	28	100
R8.0-150-2T-BL	2	B	16.0	8.0	16	32	150
R10.0-150-2T-BL	2	B	20.0	10.0	20	40	150

被加工材料使用表 ○非常適合 ○適合 ■Work Piece Table ⊙Excellent ○Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○

## DP-2-R / Corner Radius / Standard / 2 Flutes DP-2-R 两刃直柄圆弧立铣刀



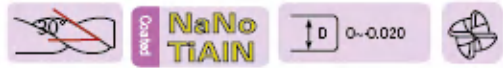
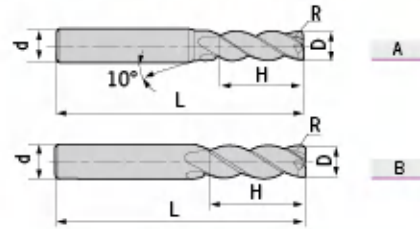
型号 Specification	刃数 Teeth	图示 Figure	D	R	d	H	L
DP- D1.0R0.2-50-2T-R	2	A	1.0	0.2	4	3	50
D1.5R0.2-50-2T-R	2	A	1.5	0.2	4	4	50
D2.0R0.2-50-2T-R	2	A	2.0	0.2	4	6	50
D2.0R0.5-50-2T-R	2	A	2.0	0.5	4	6	50
D2.5R0.2-50-2T-R	2	A	2.5	0.2	4	8	50
D2.5R0.5-50-2T-R	2	A	2.5	0.5	4	8	50
D3.0R0.2-50-2T-R	2	A	3.0	0.2	4	8	50
D3.0R0.3-50-2T-R	2	A	3.0	0.3	4	8	50
D3.0R0.5-50-2T-R	2	A	3.0	0.5	4	8	50
D4.0R0.2-50-2T-R	2	B	4.0	0.2	4	11	50
D4.0R0.3-50-2T-R	2	B	4.0	0.3	4	11	50
D4.0R0.5-50-2T-R	2	B	4.0	0.5	4	11	50
D4.0R1.0-50-2T-R	2	B	4.0	1.0	4	11	50
D5.0R0.3-50-2T-R	2	A	5.0	0.3	6	13	50
D5.0R0.5-50-2T-R	2	A	5.0	0.5	6	13	50
D5.0R1.0-50-2T-R	2	A	5.0	1.0	6	13	50
D6.0R0.3-50-2T-R	2	B	6.0	0.3	6	16	50
D6.0R0.5-50-2T-R	2	B	6.0	0.5	6	16	50
D6.0R1.0-50-2T-R	2	B	6.0	1.0	6	16	50
D8.0R0.3-60-2T-R	2	B	8.0	0.3	8	20	60
D8.0R0.5-60-2T-R	2	B	8.0	0.5	8	20	60
D8.0R1.0-60-2T-R	2	B	8.0	1.0	8	20	60
D10.0R0.5-75-2T-R	2	B	10.0	0.5	10	25	75
D10.0R1.0-75-2T-R	2	B	10.0	1.0	10	25	75
D10.0R1.5-75-2T-R	2	B	10.0	1.5	10	25	75
D10.0R2.0-75-2T-R	2	B	10.0	2.0	10	25	75
D12.0R0.5-75-2T-R	2	B	12.0	0.5	12	30	75
D12.0R1.0-75-2T-R	2	B	12.0	1.0	12	30	75
D12.0R1.5-75-2T-R	2	B	12.0	1.5	12	30	75
D12.0R2.0-75-2T-R	2	B	12.0	2.0	12	30	75

被加工材料使用表 ○非常適合 ○适合 ■Work Piece Table ⊙Excellent ○Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○

# DP

DP-4R/Corner Radius / Standard / 4 Flutes  
DP-4R四刃直柄圆弧立铣刀



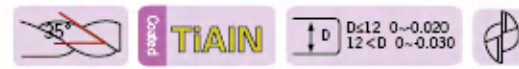
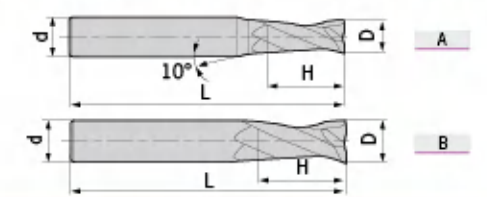
型号 Specification	刃数 Teeth	图示 Figure	D	R	d	H	L
DP-D3.0R0.2-50-4T-R	4	A	3.0	0.2	6	8	50
D4.0R0.3-50-4T-R	4	B	4.0	0.3	6	10	50
D4.0R0.5-50-4T-R	4	B	4.0	0.5	6	10	50
D5.0R0.5-50-4T-R	4	A	5.0	0.5	6	13	50
D5.0R1.0-50-4T-R	4	A	5.0	1.0	6	13	50
D6.0R0.5-50-4T-R	4	B	6.0	0.5	6	16	50
D6.0R1.0-50-4T-R	4	B	6.0	1.0	6	16	50
D8.0R0.5-60-4T-R	4	B	8.0	0.5	8	20	60
D8.0R1.0-60-4T-R	4	B	8.0	1.0	8	20	60
D10.0R0.5-75-4T-R	4	B	10.0	0.5	10	25	75
D10.0R1.0-75-4T-R	4	B	10.0	1.0	10	25	75
D10.0R2.0-75-4T-R	4	B	10.0	2.0	10	25	75
D10.0R3.0-75-4T-R	4	B	10.0	3.0	10	25	75
D12.0R0.5-75-4T-R	4	B	12.0	0.5	12	30	75
D12.0R1.0-75-4T-R	4	B	12.0	1.0	12	30	75
D12.0R2.0-75-4T-R	4	B	12.0	2.0	12	30	75
D12.0R3.0-75-4T-R	4	B	12.0	3.0	12	30	75

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC ~55HRC ~68HRC						
○	○	○	○	○	○	○	○	○	○

# DG

DG-2E / Square / Standard / 2 Flutes  
DG-2E两刃直柄平头立铣刀



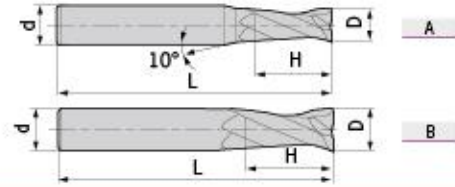
型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DG-D1.0S-50-2T-E	2	A	1.0	4	3	50
D1.5S-50-2T-E	2	A	1.5	4	4	50
D2.0S-50-2T-E	2	A	2.0	4	6	50
D2.5S-50-2T-E	2	A	2.5	4	8	50
D3.0S-50-2T-E	2	A	3.0	4	8	50
D4.0S-50-2T-E	2	B	4.0	4	11	50
D1.0-50-2T-E	2	A	1.0	6	3	50
D1.5-50-2T-E	2	A	1.5	6	4	50
D2.0-50-2T-E	2	A	2.0	6	6	50
D2.5-50-2T-E	2	A	2.5	6	8	50
D3.0-50-2T-E	2	A	3.0	6	8	50
D3.5-50-2T-E	2	A	3.5	6	10	50
D4.0-50-2T-E	2	A	4.0	6	11	50
D4.5-50-2T-E	2	A	4.5	6	11	50
D5.0-50-2T-E	2	A	5.0	6	13	50
D5.5-50-2T-E	2	A	5.5	6	16	50
D6.0-50-2T-E	2	B	6.0	6	16	50
D7.0-60-2T-E	2	A	7.0	8	20	60
D8.0-60-2T-E	2	B	8.0	8	20	60
D9.0-75-2T-E	2	A	9.0	10	22	75
D10.0-75-2T-E	2	B	10.0	10	25	75
D11.0-75-2T-E	2	A	11.0	12	26	75
D12.0-75-2T-E	2	B	12.0	12	30	75
D14.0-75-2T-E	2	B	14.0	14	32	75
D16.0-100-2T-E	2	B	16.0	16	45	100
D18.0-100-2T-E	2	B	18.0	18	45	100
D20.0-100-2T-E	2	B	20.0	20	45	100

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC ~55HRC ~68HRC						
○	○	○	○	○	○	○	○	○	○

# DG

DG-2-EL / Square / Long / 2 Flutes  
DG-2-EL两刃直柄长刃平头立铣刀



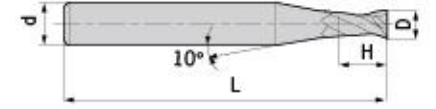
型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DG- D3.0-75-2T-EL	2	A	3.0	6	12	75
D4.0-75-2T-EL	2	A	4.0	6	15	75
D5.0-75-2T-EL	2	A	5.0	6	20	75
D6.0-75-2T-EL	2	B	6.0	6	20	75
D8.0-100-2T-EL	2	B	8.0	8	25	100
D10.0-100-2T-EL	2	B	10.0	10	30	100
D12.0-100-2T-EL	2	B	12.0	12	35	100
D14.0-100-2T-EL	2	B	14.0	14	40	100
D16.0-150-2T-EL	2	B	16.0	16	50	150
D20.0-150-2T-EL	2	B	20.0	20	55	150

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC ~55HRC ~68HRC						
○	○	○	○	○	○	○	○	○	○

# DG

DG-2-ES / Square / Micro / 2 Flutes  
DG-2-ES两刃直柄微小径平头立铣刀

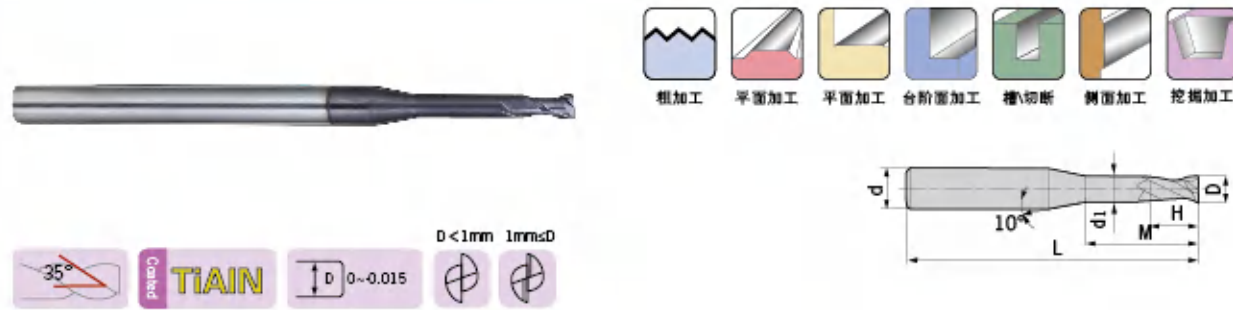


型号 Specification	刃数 Teeth	D	d	H	L
DG- D0.3-50-2T-ES	2	0.3	4	0.6	50
D0.4-50-2T-ES	2	0.4	4	0.8	50
D0.5-50-2T-ES	2	0.5	4	1.0	50
D0.6-50-2T-ES	2	0.6	4	1.2	50
D0.7-50-2T-ES	2	0.7	4	1.4	50
D0.8-50-2T-ES	2	0.8	4	1.6	50
D0.9-50-2T-ES	2	0.9	4	1.8	50
D1.0-50-2T-ES	2	1.0	4	2.0	50
D1.1-50-2T-ES	2	1.1	4	2.0	50
D1.2-50-2T-ES	2	1.2	4	2.5	50
D1.3-50-2T-ES	2	1.3	4	2.5	50
D1.4-50-2T-ES	2	1.4	4	3.0	50
D1.5-50-2T-ES	2	1.5	4	3.0	50
D1.6-50-2T-ES	2	1.6	4	3.5	50
D1.7-50-2T-ES	2	1.7	4	3.5	50
D1.8-50-2T-ES	2	1.8	4	4.0	50
D1.9-50-2T-ES	2	1.9	4	4.0	50
D2.0-50-2T-ES	2	2.0	4	4.0	50
D2.1-50-2T-ES	2	2.1	4	4.0	50
D2.2-50-2T-ES	2	2.2	4	4.5	50
D2.3-50-2T-ES	2	2.3	4	4.5	50
D2.4-50-2T-ES	2	2.4	4	5.0	50
D2.5-50-2T-ES	2	2.5	4	5.0	50
D2.6-50-2T-ES	2	2.6	4	5.0	50
D2.7-50-2T-ES	2	2.7	4	5.5	50
D2.8-50-2T-ES	2	2.8	4	5.5	50
D2.9-50-2T-ES	2	2.9	4	6.0	50
D3.0-50-2T-ES	2	3.0	4	6.0	50

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC ~55HRC ~68HRC						
○	○	○	○	○	○	○	○	○	○

## DG-2-EP / Square / Long Neck / Short Flute / 2 Flutes DG-2-EP两刃直柄长颈短刃平头立铣刀



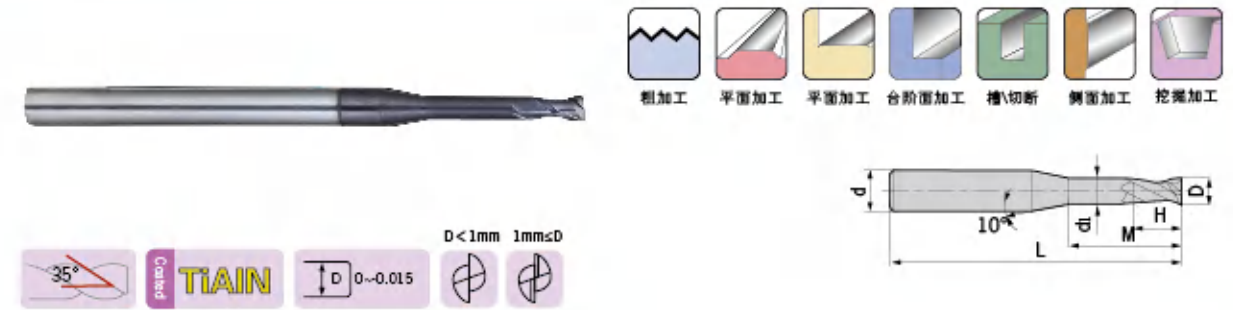
型号 Specification	刃数 Teeth	D	d	H	M	d1	L
DG- D0.5-M04-50-2T-EP	2	0.5	4	0.7	4	0.45	50
D0.5-M06-50-2T-EP	2	0.5	4	0.7	6	0.45	50
D0.5-M08-50-2T-EP	2	0.5	4	0.7	8	0.45	50
D0.8-M04-50-2T-EP	2	0.8	4	1.2	4	0.75	50
D0.8-M06-50-2T-EP	2	0.8	4	1.2	6	0.75	50
D0.8-M08-50-2T-EP	2	0.8	4	1.2	8	0.75	50
D0.8-M10-50-2T-EP	2	0.8	4	1.2	10	0.75	50
D1.0-M04-50-2T-EP	2	1.0	4	1.5	4	0.95	50
D1.0-M06-50-2T-EP	2	1.0	4	1.5	6	0.95	50
D1.0-M08-50-2T-EP	2	1.0	4	1.5	8	0.95	50
D1.0-M10-50-2T-EP	2	1.0	4	1.5	10	0.95	50
D1.0-M12-50-2T-EP	2	1.0	4	1.5	12	0.95	50
D1.0-M14-50-2T-EP	2	1.0	4	1.5	14	0.95	50
D1.2-M06-50-2T-EP	2	1.2	4	1.8	6	1.15	50
D1.2-M08-50-2T-EP	2	1.2	4	1.8	8	1.15	50
D1.2-M10-50-2T-EP	2	1.2	4	1.8	10	1.15	50
D1.2-M12-50-2T-EP	2	1.2	4	1.8	12	1.15	50
D1.5-M06-50-2T-EP	2	1.5	4	2.3	6	1.45	50
D1.5-M08-50-2T-EP	2	1.5	4	2.3	8	1.45	50
D1.5-M10-50-2T-EP	2	1.5	4	2.3	10	1.45	50
D1.5-M12-50-2T-EP	2	1.5	4	2.3	12	1.45	50
D1.5-M14-50-2T-EP	2	1.5	4	2.3	14	1.45	50
D2.0-M06-50-2T-EP	2	2.0	4	3.0	6	1.95	50
D2.0-M08-50-2T-EP	2	2.0	4	3.0	8	1.95	50
D2.0-M10-50-2T-EP	2	2.0	4	3.0	10	1.95	50
D2.0-M12-50-2T-EP	2	2.0	4	3.0	12	1.95	50
D2.0-M14-50-2T-EP	2	2.0	4	3.0	14	1.95	50
D2.0-M16-50-2T-EP	2	2.0	4	3.0	16	1.95	50

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See next page

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece								
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○

## DG-2-EP / Square / Long Neck / Short Flute / 2 Flutes DG-2-EP两刃直柄长颈短刃平头立铣刀

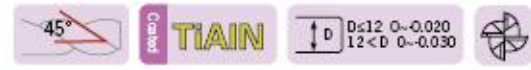
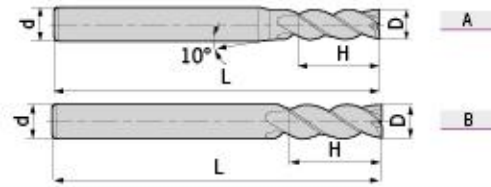


型号 Specification	刃数 Teeth	D	d	H	M	d1	L
DG- D2.5-M08-50-2T-EP	2	2.5	4	3.7	8	2.4	50
D2.5-M10-50-2T-EP	2	2.5	4	3.7	10	2.4	50
D2.5-M12-50-2T-EP	2	2.5	4	3.7	12	2.4	50
D2.5-M14-50-2T-EP	2	2.5	4	3.7	14	2.4	50
D2.5-M16-60-2T-EP	2	2.5	4	3.7	16	2.4	60
D2.5-M18-60-2T-EP	2	2.5	4	3.7	18	2.4	60
D2.5-M20-60-2T-EP	2	2.5	4	3.7	20	2.4	60
D3.0-M06-50-2T-EP	2	3.0	6	4.5	6	2.85	50
D3.0-M08-50-2T-EP	2	3.0	6	4.5	8	2.85	50
D3.0-M10-50-2T-EP	2	3.0	6	4.5	10	2.85	50
D3.0-M12-50-2T-EP	2	3.0	6	4.5	12	2.85	50
D3.0-M14-60-2T-EP	2	3.0	6	4.5	14	2.85	60
D3.0-M16-60-2T-EP	2	3.0	6	4.5	16	2.85	60
D3.0-M18-60-2T-EP	2	3.0	6	4.5	18	2.85	60
D3.0-M20-60-2T-EP	2	3.0	6	4.5	20	2.85	60
D4.0-M12-50-2T-EP	2	4.0	6	6.0	12	3.85	50
D4.0-M16-60-2T-EP	2	4.0	6	6.0	16	3.85	60
D4.0-M20-60-2T-EP	2	4.0	6	6.0	20	3.85	60
D4.0-M25-60-2T-EP	2	4.0	6	6.0	25	3.85	60
D5.0-M16-60-2T-EP	2	5.0	6	7.5	16	4.85	60
D5.0-M25-70-2T-EP	2	5.0	6	7.5	25	4.85	70

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece								
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○

DG-4-E / Square / Standard / 4 Flutes  
DG-4-E 四刃直柄平头立铣刀

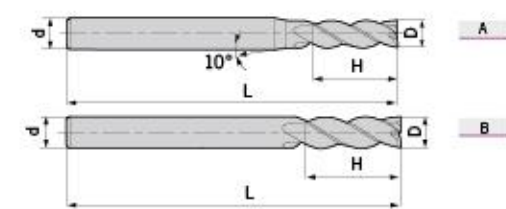


型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DG- D1.0S-50-4T-E	4	A	1.0	4	3	50
D1.5S-50-4T-E	4	A	1.5	4	4	50
D2.0S-50-4T-E	4	A	2.0	4	6	50
D2.5S-50-4T-E	4	A	2.5	4	8	50
D3.0S-50-4T-E	4	A	3.0	4	8	50
D4.0S-50-4T-E	4	B	4.0	4	11	50
D1.0-50-4T-E	4	A	1.0	6	3	50
D1.5-50-4T-E	4	A	1.5	6	4	50
D2.0-50-4T-E	4	A	2.0	6	6	50
D2.5-50-4T-E	4	A	2.5	6	8	50
D3.0-50-4T-E	4	A	3.0	6	8	50
D3.5-50-4T-E	4	A	3.5	6	10	50
D4.0-50-4T-E	4	A	4.0	6	11	50
D4.5-50-4T-E	4	A	4.5	6	11	50
D5.0-50-4T-E	4	A	5.0	6	13	50
D5.5-50-4T-E	4	A	5.5	6	16	50
D6.0-50-4T-E	4	B	6.0	6	16	50
D7.0-60-4T-E	4	A	7.0	8	20	60
D8.0-60-4T-E	4	B	8.0	8	20	60
D9.0-75-4T-E	4	A	9.0	10	22	75
D10.0-75-4T-E	4	B	10.0	10	25	75
D11.0-75-4T-E	4	A	11.0	12	26	75
D12.0-75-4T-E	4	B	12.0	12	30	75
D14.0-75-4T-E	4	B	14.0	14	32	75
D16.0-100-4T-E	4	B	16.0	16	45	100
D18.0-100-4T-E	4	B	18.0	18	45	100
D20.0-100-4T-E	4	B	20.0	20	45	100

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
◎	◎	◎	○	○	◎	◎	◎	◎	◎

DG-4-EL / Square / Long / 4 Flutes  
DG-4-EL 四刃直柄长刃平头立铣刀

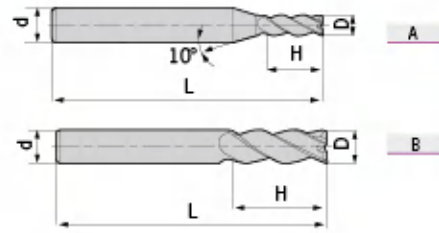
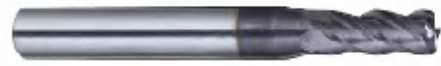


型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DG- D3.0-75-4T-EL	4	A	3.0	6	12	75
D4.0-75-4T-EL	4	A	4.0	6	15	75
D5.0-75-4T-EL	4	A	5.0	6	20	75
D6.0-75-4T-EL	4	B	6.0	6	20	75
D8.0-100-4T-EL	4	B	8.0	8	25	100
D10.0-100-4T-EL	4	B	10.0	10	30	100
D12.0-100-4T-EL	4	B	12.0	12	35	100
D14.0-100-4T-EL	4	B	14.0	14	40	100
D16.0-150-4T-EL	4	B	16.0	16	50	150
D20.0-150-4T-EL	4	B	20.0	20	55	150

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
◎	◎	◎	○	○	◎	◎	◎	◎	◎

## DG-4-G-E / Square / Standard / 4 Flutes DG-4-G-E 四刃直柄平头立铣刀

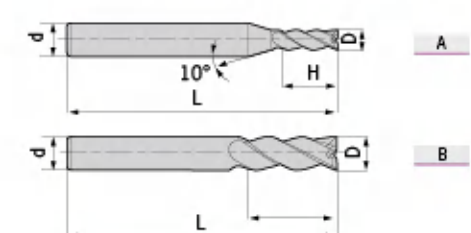
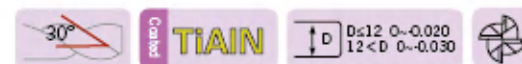


型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DG- D1.0S-50-4T-G-E	4	A	1.0	4	3	50
D1.5S-50-4T-G-E	4	A	1.5	4	4	50
D2.0S-50-4T-G-E	4	A	2.0	4	6	50
D2.5S-50-4T-G-E	4	A	2.5	4	8	50
D3.0S-50-4T-G-E	4	A	3.0	4	8	50
D4.0S-50-4T-G-E	4	B	4.0	4	11	50
D1.0-50-4T-G-E	4	A	1.0	6	3	50
D1.5-50-4T-G-E	4	A	1.5	6	4	50
D2.0-50-4T-G-E	4	A	2.0	6	6	50
D2.5-50-4T-G-E	4	A	2.5	6	8	50
D3.0-50-4T-G-E	4	A	3.0	6	8	50
D3.5-50-4T-G-E	4	A	3.5	6	10	50
D4.0-50-4T-G-E	4	A	4.0	6	11	50
D4.5-50-4T-G-E	4	A	4.5	6	11	50
D5.0-50-4T-G-E	4	A	5.0	6	13	50
D5.5-50-4T-G-E	4	A	5.5	6	16	50
D6.0-50-4T-G-E	4	B	6.0	6	16	50
D7.0-60-4T-G-E	4	A	7.0	8	20	60
D8.0-60-4T-G-E	4	B	8.0	8	20	60
D9.0-75-4T-G-E	4	A	9.0	10	22	75
D10.0-75-4T-G-E	4	B	10.0	10	25	75
D11.0-75-4T-G-E	4	A	11.0	12	26	75
D12.0-75-4T-G-E	4	B	12.0	12	30	75
D14.0-75-4T-G-E	4	B	14.0	14	32	75
D16.0-100-4T-G-E	4	B	16.0	16	45	100
D18.0-100-4T-G-E	4	B	18.0	18	45	100
D20.0-100-4T-G-E	4	B	20.0	20	45	100

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel ~40HRC ~50HRC ~55HRC ~68HRC		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
◎	◎	◎	○	○	◎				

## DG-4-G-EL / Square / Long / 4 Flutes DG-4-G-EL 四刃直柄长刃平头立铣刀



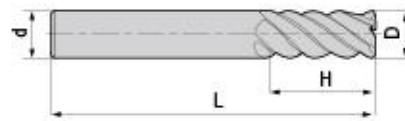
型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DG- D3.0-75-4T-G-EL	4	A	3.0	6	12	75
D4.0-75-4T-G-EL	4	A	4.0	6	15	75
D5.0-75-4T-G-EL	4	A	5.0	6	20	75
D6.0-75-4T-G-EL	4	B	6.0	6	20	75
D8.0-100-4T-G-EL	4	B	8.0	8	25	100
D10.0-100-4T-G-EL	4	B	10.0	10	30	100
D12.0-100-4T-G-EL	4	B	12.0	12	35	100
D14.0-100-4T-G-EL	4	B	14.0	14	40	100
D16.0-150-4T-G-EL	4	B	16.0	16	50	150
D20.0-150-4T-G-EL	4	B	20.0	20	55	150

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel ~40HRC ~50HRC ~55HRC ~68HRC		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
◎	◎	◎	○	○	◎				

# DG

DG-6-E / Square / Standard / 6 Flutes  
DG-6-E 六刃直柄平头立铣刀



型号 Specification	刃数 Teeth	D	d	H	L
DG- D6.0-60-6T-E	6	6.0	6	18	60
D8.0-60-6T-E	6	8.0	8	20	60
D10.0-75-6T-E	6	10.0	10	30	75
D12.0-75-6T-E	6	12.0	12	32	75
D16.0-100-6T-E	6	16.0	16	40	100
D20.0-100-6T-E	6	20.0	20	45	100

## 特点 / Feature

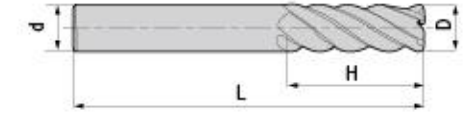
- 刀具刚性好，最适宜侧面精铣加工。 ■ High rigidity for side milling.
- 可进行高速，大进给加工。 ■ High feed at high speed.

被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○	○	○	○	○	○	○	○	

# DG

DG-6-EL / Square / Long / 6 Flutes  
DG-6-EL 六刃直柄长刃平头立铣刀

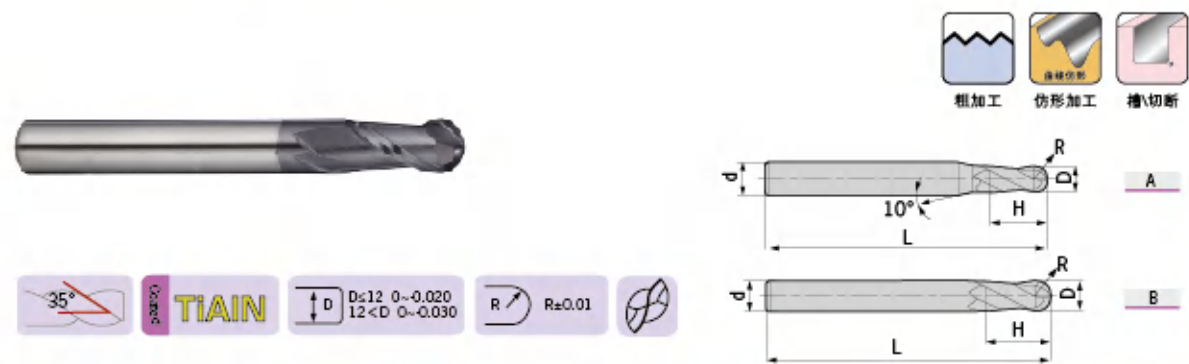


型号 Specification	刃数 Teeth	D	d	H	L
DG- D6.0-75-6T-EL	6	6.0	6	24	75
D8.0-75-6T-EL	6	8.0	8	32	75
D10.0-100-6T-EL	6	10.0	10	40	100
D12.0-100-6T-EL	6	12.0	12	45	100
D16.0-150-6T-EL	6	16.0	16	64	150
D20.0-150-6T-EL	6	20.0	20	75	150

被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○	○	○	○	○	○	○	○	

## DG-2-B / Ball / Standard / 2 Flutes DG-2-B 两刃直柄球头立铣刀



型号 Specification	刃数 Teeth	图示 Figure	D	R	d	H	L
DG- R0.5S-50-2T-B	2	A	1.0	0.5	4	2	50
R0.75S-50-2T-B	2	A	1.5	0.75	4	3	50
R1.0S-50-2T-B	2	A	2.0	1.0	4	4	50
R1.25S-50-2T-B	2	A	2.5	1.25	4	5	50
R1.5S-50-2T-B	2	A	3.0	1.5	4	6	50
R2.0S-50-2T-B	2	B	4.0	2.0	4	8	50
R0.5-50-2T-B	2	A	1.0	0.5	6	2	50
R0.75-50-2T-B	2	A	1.5	0.75	6	3	50
R1.0-50-2T-B	2	A	2.0	1.0	6	4	50
R1.25-50-2T-B	2	A	2.5	1.25	6	5	50
R1.5-50-2T-B	2	A	3.0	1.5	6	6	50
R1.75-50-2T-B	2	A	3.5	1.75	6	8	50
R2.0-50-2T-B	2	A	4.0	2.0	6	8	50
R2.5-50-2T-B	2	A	5.0	2.5	6	10	50
R2.75-50-2T-B	2	A	5.5	2.75	6	12	50
R3.0-50-2T-B	2	B	6.0	3.0	6	12	50
R3.5-60-2T-B	2	A	7.0	3.5	8	14	60
R4.0-60-2T-B	2	B	8.0	4.0	8	16	60
R4.5-75-2T-B	2	A	9.0	4.5	10	18	75
R5.0-75-2T-B	2	B	10.0	5.0	10	20	75
R6.0-75-2T-B	2	B	12.0	6.0	12	24	75
R7.0-75-2T-B	2	B	14.0	7.0	14	28	75
R8.0-100-2T-B	2	B	16.0	8.0	16	32	100
R10.0-100-2T-B	2	B	20.0	10.0	20	40	100

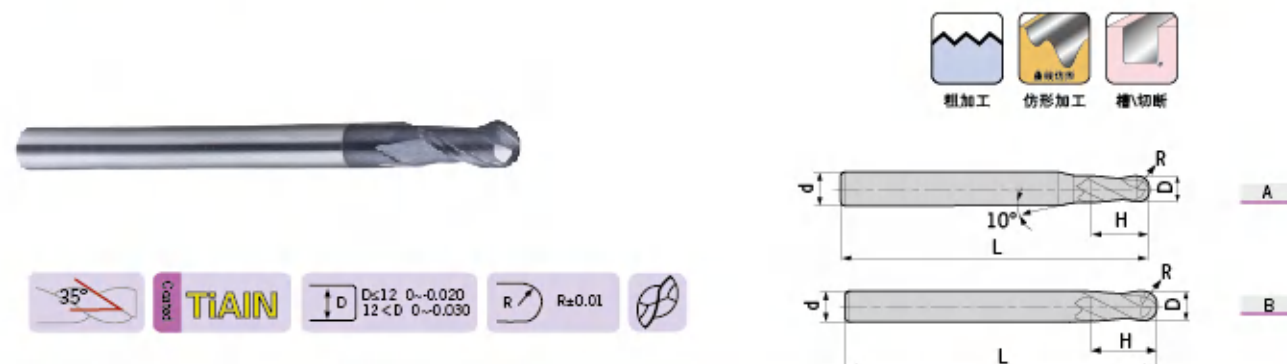
### 特点 / Feature

■ 适合于仿形铣削，可作高速加工。 ■ For profiling at high speed.

■ 被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○	○	○	○	○	○	○	○	

## DG-2-BL / Ball / Long / 2 Flutes DG-2-BL 两刃直柄长刃球头立铣刀

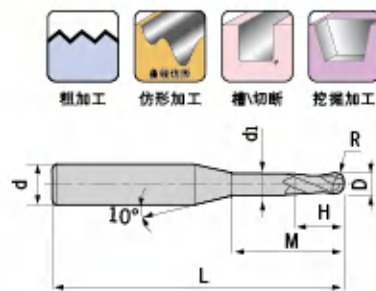
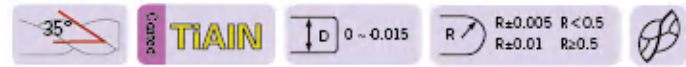


型号 Specification	刃数 Teeth	图示 Figure	D	R	d	H	L
DG- R1.0-75-2T-BL	2	A	2.0	1.0	6	4	75
R1.25-75-2T-BL	2	A	2.5	1.25	6	5	75
R1.5-75-2T-BL	2	A	3.0	1.5	6	6	75
R1.75-75-2T-BL	2	A	3.5	1.75	6	8	75
R2.0-75-2T-BL	2	A	4.0	2.0	6	8	75
R2.5-75-2T-BL	2	A	5.0	2.5	6	10	75
R2.75-75-2T-BL	2	A	5.5	2.75	6	12	75
R3.0-75-2T-BL	2	B	6.0	3.0	6	12	75
R3.5-75-2T-BL	2	A	7.0	3.5	8	14	75
R4.0-100-2T-BL	2	B	8.0	4.0	8	16	100
R4.5-100-2T-BL	2	A	9.0	4.5	10	18	100
R5.0-100-2T-BL	2	B	10.0	5.0	10	20	100
R6.0-100-2T-BL	2	B	12.0	6.0	12	24	100
R7.0-100-2T-BL	2	B	14.0	7.0	14	28	100
R8.0-150-2T-BL	2	B	16.0	8.0	16	32	150
R10.0-150-2T-BL	2	B	20.0	10.0	20	40	150

■ 被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○	○	○	○	○	○	○	○	

DG-2-BP / Ball / Long Neck / Short Flute / 2 Flutes  
 DG-2-BP 两刃直柄长颈短刃球头立铣刀



型号 Specification	刃数 Teeth	D	R	H	d1	M	d	L
DG- R0.25-M04-50-2T-BP	2	0.5	0.25	0.7	0.45	4	4	50
R0.25-M06-50-2T-BP	2	0.5	0.25	0.7	0.45	6	4	50
R0.3-M04-50-2T-BP	2	0.6	0.3	0.9	0.55	4	4	50
R0.3-M06-50-2T-BP	2	0.6	0.3	0.9	0.55	6	4	50
R0.3-M08-50-2T-BP	2	0.6	0.3	0.9	0.55	8	4	50
R0.4-M04-50-2T-BP	2	0.8	0.4	1.2	0.75	4	4	50
R0.4-M06-50-2T-BP	2	0.8	0.4	1.2	0.75	6	4	50
R0.4-M08-50-2T-BP	2	0.8	0.4	1.2	0.75	8	4	50
R0.4-M10-50-2T-BP	2	0.8	0.4	1.2	0.75	10	4	50
R0.5-M04-50-2T-BP	2	1.0	0.5	1.5	0.95	4	4	50
R0.5-M06-50-2T-BP	2	1.0	0.5	1.5	0.95	6	4	50
R0.5-M08-50-2T-BP	2	1.0	0.5	1.5	0.95	8	4	50
R0.5-M10-50-2T-BP	2	1.0	0.5	1.5	0.95	10	4	50
R0.5-M12-50-2T-BP	2	1.0	0.5	1.5	0.95	12	4	50
R0.6-M06-50-2T-BP	2	1.2	0.6	1.8	1.15	6	4	50
R0.6-M08-50-2T-BP	2	1.2	0.6	1.8	1.15	8	4	50
R0.6-M12-50-2T-BP	2	1.2	0.6	1.8	1.15	12	4	50
R0.6-M16-50-2T-BP	2	1.2	0.6	1.8	1.15	16	4	50
R0.75-M08-50-2T-BP	2	1.5	0.75	2.3	1.45	8	4	50
R0.75-M12-50-2T-BP	2	1.5	0.75	2.3	1.45	12	4	50
R0.75-M16-50-2T-BP	2	1.5	0.75	2.3	1.45	16	4	50
R1.0-M06-50-2T-BP	2	2.0	1.0	3.0	1.95	6	4	50
R1.0-M08-50-2T-BP	2	2.0	1.0	3.0	1.95	8	4	50
R1.0-M10-50-2T-BP	2	2.0	1.0	3.0	1.95	10	4	50
R1.0-M12-50-2T-BP	2	2.0	1.0	3.0	1.95	12	4	50
R1.0-M16-50-2T-BP	2	2.0	1.0	3.0	1.95	16	4	50
R1.0-M20-50-2T-BP	2	2.0	1.0	3.0	1.95	20	4	50
R1.25-M08-50-2T-BP	2	2.5	1.25	3.7	2.4	8	4	50
R1.25-M12-50-2T-BP	2	2.5	1.25	3.7	2.4	12	4	50

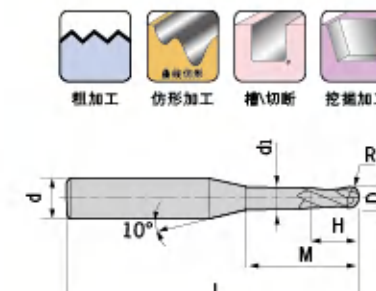
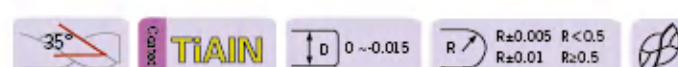
被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

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See next page

被加工材料 Work Piece

碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○

DG-2-BP / Ball / Long Neck / Short Flute / 2 Flutes  
 DG-2-BP 两刃直柄长颈短刃球头立铣刀



型号 Specification	刃数 Teeth	D	R	H	d1	M	d	L
DG- R1.25-M16-60-2T-BP	2	2.5	1.25	3.7	2.4	16	4	60
R1.25-M20-60-2T-BP	2	2.5	1.25	3.7	2.4	20	4	60
R1.5-M08-50-2T-BP	2	3.0	1.5	4.5	2.85	8	6	50
R1.5-M10-50-2T-BP	2	3.0	1.5	4.5	2.85	10	6	50
R1.5-M12-50-2T-BP	2	3.0	1.5	4.5	2.85	12	6	50
R1.5-M16-60-2T-BP	2	3.0	1.5	4.5	2.85	16	6	60
R1.5-M20-60-2T-BP	2	3.0	1.5	4.5	2.85	20	6	60
R2.0-M10-60-2T-BP	2	4.0	2.0	6.0	3.85	10	6	60
R2.0-M16-60-2T-BP	2	4.0	2.0	6.0	3.85	16	6	60
R2.0-M20-60-2T-BP	2	4.0	2.0	6.0	3.85	20	6	60
R2.0-M25-60-2T-BP	2	4.0	2.0	6.0	3.85	25	6	60
R2.5-M16-60-2T-BP	2	5.0	2.5	7.5	4.85	16	6	60
R2.5-M25-70-2T-BP	2	5.0	2.5	7.5	4.85	25	6	70

### 特点 / Feature

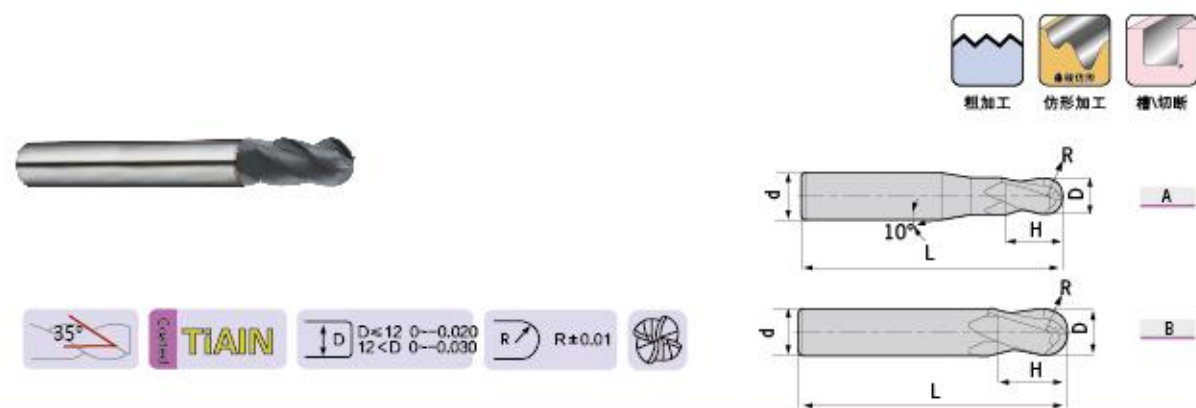
适用于细槽加工以及自由曲面加工。 For rib-processing and profiling in slots.

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece

碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○

DG-4-B / Ball / Standard / 4 Flutes  
DG-4-B 四刃直柄球头立铣刀



型号 Specification	刃数 Teeth	图示 Figure	D	R	d	H	L
DG- R1.5-50-4T-B	4	A	3.0	1.5	6	6	50
R2.0-50-4T-B	4	A	4.0	2.0	6	8	50
R2.5-50-4T-B	4	A	5.0	2.5	6	10	50
R3.0-50-4T-B	4	B	6.0	3.0	6	12	50
R4.0-60-4T-B	4	B	8.0	4.0	8	16	60
R5.0-75-4T-B	4	B	10.0	5.0	10	20	75
R6.0-75-4T-B	4	B	12.0	6.0	12	24	75
R7.0-75-4T-B	4	B	14.0	7.0	14	28	75
R8.0-100-4T-B	4	B	16.0	8.0	16	32	100
R9.0-100-4T-B	4	B	18.0	9.0	18	36	100
R10.0-100-4T-B	4	B	20.0	10.0	20	40	100

### 特点 / Feature

- 四刃球头铣刀可实现较高的进给速度，实现较高的切削加工效率。
- High feed speed, High efficiency.

■ 被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○	○	

DG-4-BL / Ball / Long / 4 Flutes  
DG-4-BL 四刃直柄长柄球头立铣刀



型号 Specification	刃数 Teeth	图示 Figure	D	R	d	H	L
DG- R1.5-75-4T-BL	4	A	3.0	1.5	6	6	75
R2.0-75-4T-BL	4	A	4.0	2.0	6	8	75
R2.5-75-4T-BL	4	A	5.0	2.5	6	10	75
R3.0-75-4T-BL	4	B	6.0	3.0	6	12	75
R4.0-100-4T-BL	4	B	8.0	4.0	8	16	100
R5.0-100-4T-BL	4	B	10.0	5.0	10	20	100
R6.0-100-4T-BL	4	B	12.0	6.0	12	24	100
R7.0-100-4T-BL	4	B	14.0	7.0	14	28	100
R8.0-150-4T-BL	4	B	16.0	8.0	16	32	150
R9.0-150-4T-BL	4	B	18.0	9.0	18	36	150
R10.0-150-4T-BL	4	B	20.0	10.0	20	40	150

■ 被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○	○	



型号 Specification	刃数 Teeth	图示 Figure	D	R	d	H	L
DG- D1.0R0.2-50-2T-R	2	A	1.0	0.2	4	3	50
D1.5R0.2-50-2T-R	2	A	1.5	0.2	4	4	50
D2.0R0.2-50-2T-R	2	A	2.0	0.2	4	6	50
D2.0R0.5-50-2T-R	2	A	2.0	0.5	4	6	50
D2.5R0.2-50-2T-R	2	A	2.5	0.2	4	8	50
D2.5R0.5-50-2T-R	2	A	2.5	0.5	4	8	50
D3.0R0.2-50-2T-R	2	A	3.0	0.2	4	8	50
D3.0R0.3-50-2T-R	2	A	3.0	0.3	4	8	50
D3.0R0.5-50-2T-R	2	A	3.0	0.5	4	8	50
D4.0R0.2-50-2T-R	2	B	4.0	0.2	4	11	50
D4.0R0.3-50-2T-R	2	B	4.0	0.3	4	11	50
D4.0R0.5-50-2T-R	2	B	4.0	0.5	4	11	50
D4.0R1.0-50-2T-R	2	B	4.0	1.0	4	11	50
D5.0R0.3-50-2T-R	2	A	5.0	0.3	6	13	50
D5.0R0.5-50-2T-R	2	A	5.0	0.5	6	13	50
D5.0R1.0-50-2T-R	2	A	5.0	1.0	6	13	50
D6.0R0.3-50-2T-R	2	B	6.0	0.3	6	16	50
D6.0R0.5-50-2T-R	2	B	6.0	0.5	6	16	50
D6.0R1.0-50-2T-R	2	B	6.0	1.0	6	16	50
D8.0R0.3-60-2T-R	2	B	8.0	0.3	8	20	60
D8.0R0.5-60-2T-R	2	B	8.0	0.5	8	20	60
D8.0R1.0-60-2T-R	2	B	8.0	1.0	8	20	60
D10.0R0.5-75-2T-R	2	B	10.0	0.5	10	25	75
D10.0R1.0-75-2T-R	2	B	10.0	1.0	10	25	75
D10.0R1.5-75-2T-R	2	B	10.0	1.5	10	25	75
D10.0R2.0-75-2T-R	2	B	10.0	2.0	10	25	75
D12.0R0.5-75-2T-R	2	B	12.0	0.5	12	30	75
D12.0R1.0-75-2T-R	2	B	12.0	1.0	12	30	75
D12.0R1.5-75-2T-R	2	B	12.0	1.5	12	30	75
D12.0R2.0-75-2T-R	2	B	12.0	2.0	12	30	75

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel ~40HRC ~50HRC ~55HRC ~68HRC				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○	○	



型号 Specification	刃数 Teeth	图示 Figure	D	R	d	H	L
DG- D3.0R0.2-50-4T-R	4	A	3.0	0.2	4	8	50
D4.0R0.3-50-4T-R	4	B	4.0	0.3	4	10	50
D4.0R0.5-50-4T-R	4	B	4.0	0.5	4	10	50
D5.0R0.5-50-4T-R	4	A	5.0	0.5	6	13	50
D5.0R1.0-50-4T-R	4	A	5.0	1.0	6	13	50
D6.0R0.5-50-4T-R	4	B	6.0	0.5	6	16	50
D6.0R1.0-50-4T-R	4	B	6.0	1.0	6	16	50
D8.0R0.5-60-4T-R	4	B	8.0	0.5	8	20	60
D8.0R1.0-60-4T-R	4	B	8.0	1.0	8	20	60
D10.0R0.5-75-4T-R	4	B	10.0	0.5	10	25	75
D10.0R1.0-75-4T-R	4	B	10.0	1.0	10	25	75
D10.0R2.0-75-4T-R	4	B	10.0	2.0	10	25	75
D10.0R3.0-75-4T-R	4	B	10.0	3.0	10	25	75
D12.0R0.5-75-4T-R	4	B	12.0	0.5	12	30	75
D12.0R1.0-75-4T-R	4	B	12.0	1.0	12	30	75
D12.0R2.0-75-4T-R	4	B	12.0	2.0	12	30	75
D12.0R3.0-75-4T-R	4	B	12.0	3.0	12	30	75

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel ~40HRC ~50HRC ~55HRC ~68HRC				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○	○	

## DG-4-RL / Corner Radius / Long / 4 Flutes DG-4-RL 四刃直柄长柄圆弧立铣刀



型号 Specification	刃数 Teeth	D	R	d	H	L
DG- D6.0R0.5-75-4T-RL	4	6.0	0.5	6	16	75
D6.0R1.0-75-4T-RL	4	6.0	1.0	6	16	75
D8.0R0.5-100-4T-RL	4	8.0	0.5	8	20	100
D8.0R1.0-100-4T-RL	4	8.0	1.0	8	20	100
D10.0R0.5-100-4T-RL	4	10.0	0.5	10	25	100
D10.0R1.0-100-4T-RL	4	10.0	1.0	10	25	100
D10.0R2.0-100-4T-RL	4	10.0	2.0	10	25	100
D12.0R0.5-100-4T-RL	4	12.0	0.5	12	30	100
D12.0R1.0-100-4T-RL	4	12.0	1.0	12	30	100
D12.0R2.0-100-4T-RL	4	12.0	2.0	12	30	100
D16.0R1.0-150-4T-RL	4	16.0	1.0	16	45	150
D16.0R2.0-150-4T-RL	4	16.0	2.0	16	45	150

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○	○	○	○	◎				

## DG-4-W / Square / Standard / 4 Flutes / Waving DG-4-W 四刃直柄平头波形刃立铣刀



型号 Specification	刃数 Teeth	D	d	H	L	Z
DG- D6.0-50-4T-W	4	6.0	6	16	50	4
D7.0-60-4T-W	4	7.0	8	20	60	4
D8.0-60-4T-W	4	8.0	8	20	60	4
D9.0-75-4T-W	4	9.0	10	22	75	4
D10.0-75-4T-W	4	10.0	10	25	75	4
D11.0-75-4T-W	4	11.0	12	26	75	4
D12.0-75-4T-W	4	12.0	12	30	75	4
D16.0-100-4T-W	4	16.0	16	45	100	4
D20.0-100-4T-W	4	20.0	20	45	100	4

### 特点 / Feature

- 最适宜高效粗加工。
- For roughing with high efficiency.

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○	○	○	○	◎				

DH-2-E / Square / Standard / 2 Flutes  
DH-2-E 两刃直柄平头立铣刀



型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DH- D1.0S-50-2T-E	2	A	1.0	4	3	50
D1.5S-50-2T-E	2	A	1.5	4	4	50
D2.0S-50-2T-E	2	A	2.0	4	6	50
D2.5S-50-2T-E	2	A	2.5	4	8	50
D3.0S-50-2T-E	2	A	3.0	4	8	50
D4.0S-50-2T-E	2	B	4.0	4	11	50
D1.0-50-2T-E	2	A	1.0	6	3	50
D1.5-50-2T-E	2	A	1.5	6	4	50
D2.0-50-2T-E	2	A	2.0	6	6	50
D2.5-50-2T-E	2	A	2.5	6	8	50
D3.0-50-2T-E	2	A	3.0	6	8	50
D3.5-50-2T-E	2	A	3.5	6	10	50
D4.0-50-2T-E	2	A	4.0	6	11	50
D4.5-50-2T-E	2	A	4.5	6	11	50
D5.0-50-2T-E	2	A	5.0	6	13	50
D5.5-50-2T-E	2	A	5.5	6	16	50
D6.0-50-2T-E	2	B	6.0	6	16	50
D7.0-60-2T-E	2	A	7.0	8	20	60
D8.0-60-2T-E	2	B	8.0	8	20	60
D9.0-75-2T-E	2	A	9.0	10	22	75
D10.0-75-2T-E	2	B	10.0	10	25	75
D11.0-75-2T-E	2	A	11.0	12	26	75
D12.0-75-2T-E	2	B	12.0	12	30	75
D14.0-100-2T-E	2	B	14.0	14	32	100
D16.0-100-2T-E	2	B	16.0	16	45	100
D18.0-100-2T-E	2	B	18.0	18	45	100
D20.0-100-2T-E	2	B	20.0	20	45	100

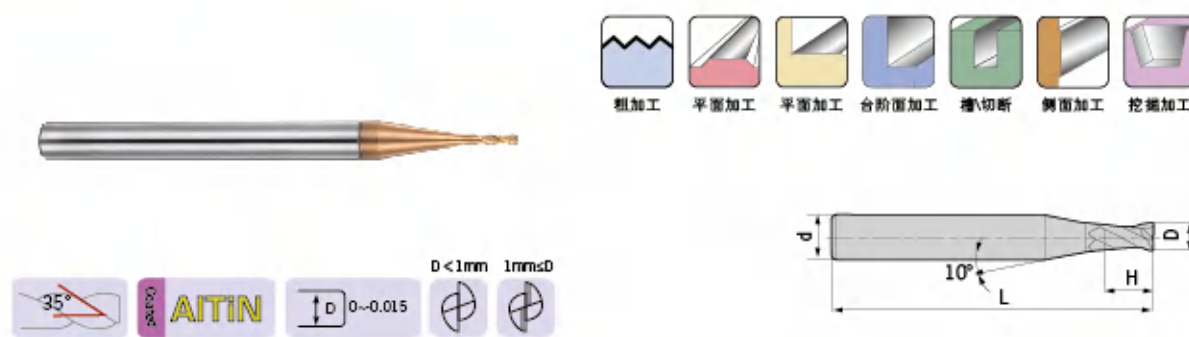
### 特点 / Feature

- 适用于沟槽铣削。 ■ For milling in groove.
- 最适于高速切削、干式切削。 ■ High speed; Dry-cutting.

■被加工材料使用表 ○非常合适 ○合适 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece								
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○

DH-2-ES / Square / Micro / 2 Flutes  
DH-2-ES 两刃直柄微小径平头立铣刀



型号 Specification	刃数 Teeth	D	d	H	L
DH- D0.3-50-2T-ES	2	0.3	4	0.6	50
D0.4-50-2T-ES	2	0.4	4	0.8	50
D0.5-50-2T-ES	2	0.5	4	1.0	50
D0.6-50-2T-ES	2	0.6	4	1.2	50
D0.7-50-2T-ES	2	0.7	4	1.4	50
D0.8-50-2T-ES	2	0.8	4	1.6	50
D0.9-50-2T-ES	2	0.9	4	1.8	50
D1.0-50-2T-ES	2	1.0	4	2.0	50
D1.1-50-2T-ES	2	1.1	4	2.0	50
D1.2-50-2T-ES	2	1.2	4	2.5	50
D1.3-50-2T-ES	2	1.3	4	2.5	50
D1.4-50-2T-ES	2	1.4	4	3.0	50
D1.5-50-2T-ES	2	1.5	4	3.0	50
D1.6-50-2T-ES	2	1.6	4	3.5	50
D1.7-50-2T-ES	2	1.7	4	3.5	50
D1.8-50-2T-ES	2	1.8	4	4.0	50
D1.9-50-2T-ES	2	1.9	4	4.0	50
D2.0-50-2T-ES	2	2.0	4	4.0	50
D2.1-50-2T-ES	2	2.1	4	4.0	50
D2.2-50-2T-ES	2	2.2	4	4.5	50
D2.3-50-2T-ES	2	2.3	4	4.5	50
D2.4-50-2T-ES	2	2.4	4	5.0	50
D2.5-50-2T-ES	2	2.5	4	5.0	50
D2.6-50-2T-ES	2	2.6	4	5.0	50
D2.7-50-2T-ES	2	2.7	4	5.5	50
D2.8-50-2T-ES	2	2.8	4	5.5	50
D2.9-50-2T-ES	2	2.9	4	6.0	50
D3.0-50-2T-ES	2	3.0	4	6.0	50

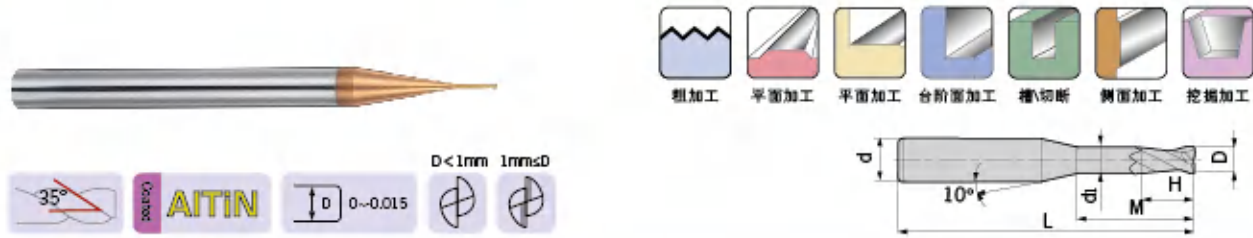
### 特点 / Feature

- 微小径铣刀可充分发挥加工中心高速、高精度性能，常用于电子零件等精密零件的加工。
- High-precision performance at high speed due to micro neck diameter.

■被加工材料使用表 ○非常合适 ○合适 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece								
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○

DH-2-EP / Square / Long Neck / Short Flute / 2 Flutes  
DH-2-EP 两刃直柄长颈短刃平头立铣刀



型号 Specification	刃数 Teeth	D	d	H	M	d <sub>1</sub>	L
DH- D0.5-M04-50-2T-EP	2	0.5	4	0.7	4	0.45	50
D0.5-M06-50-2T-EP	2	0.5	4	0.7	6	0.45	50
D0.5-M08-50-2T-EP	2	0.5	4	0.7	8	0.45	50
D0.8-M04-50-2T-EP	2	0.8	4	1.2	4	0.75	50
D0.8-M06-50-2T-EP	2	0.8	4	1.2	6	0.75	50
D0.8-M08-50-2T-EP	2	0.8	4	1.2	8	0.75	50
D0.8-M10-50-2T-EP	2	0.8	4	1.2	10	0.75	50
D1.0-M04-50-2T-EP	2	1.0	4	1.5	4	0.95	50
D1.0-M06-50-2T-EP	2	1.0	4	1.5	6	0.95	50
D1.0-M08-50-2T-EP	2	1.0	4	1.5	8	0.95	50
D1.0-M10-50-2T-EP	2	1.0	4	1.5	10	0.95	50
D1.0-M12-50-2T-EP	2	1.0	4	1.5	12	0.95	50
D1.0-M14-50-2T-EP	2	1.0	4	1.5	14	0.95	50
D1.2-M06-50-2T-EP	2	1.2	4	1.8	6	1.15	50
D1.2-M08-50-2T-EP	2	1.2	4	1.8	8	1.15	50
D1.2-M10-50-2T-EP	2	1.2	4	1.8	10	1.15	50
D1.2-M12-50-2T-EP	2	1.2	4	1.8	12	1.15	50
D1.5-M06-50-2T-EP	2	1.5	4	2.3	6	1.45	50
D1.5-M08-50-2T-EP	2	1.5	4	2.3	8	1.45	50
D1.5-M10-50-2T-EP	2	1.5	4	2.3	10	1.45	50
D1.5-M12-50-2T-EP	2	1.5	4	2.3	12	1.45	50
D1.5-M14-50-2T-EP	2	1.5	4	2.3	14	1.45	50
D2.0-M06-50-2T-EP	2	2.0	4	3.0	6	1.95	50
D2.0-M08-50-2T-EP	2	2.0	4	3.0	8	1.95	50
D2.0-M10-50-2T-EP	2	2.0	4	3.0	10	1.95	50
D2.0-M12-50-2T-EP	2	2.0	4	3.0	12	1.95	50
D2.0-M14-50-2T-EP	2	2.0	4	3.0	14	1.95	50
D2.0-M16-50-2T-EP	2	2.0	4	3.0	16	1.95	50
D2.5-M08-50-2T-EP	2	2.5	4	3.7	8	2.4	50
D2.5-M10-50-2T-EP	2	2.5	4	3.7	10	2.4	50
D2.5-M12-50-2T-EP	2	2.5	4	3.7	12	2.4	50
D2.5-M14-50-2T-EP	2	2.5	4	3.7	14	2.4	50

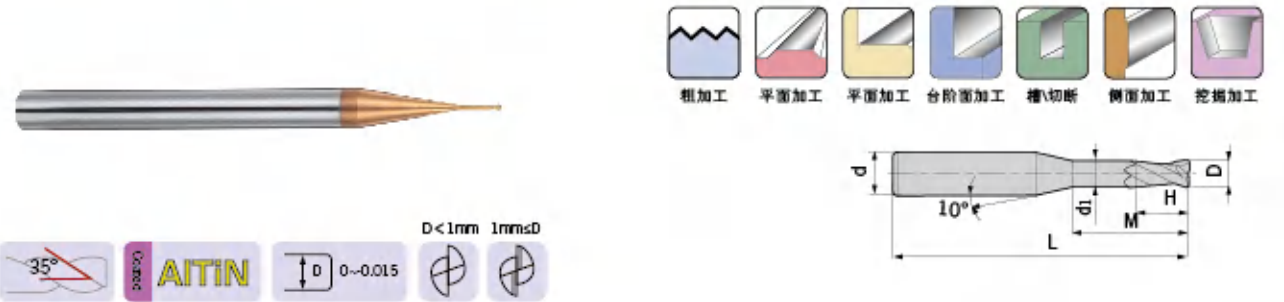
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被加工材料使用表 ○非常適合 ○適合 ■Work Piece Table ○Excellent ○Good

被加工材料 Work Piece

碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel ~40HRC ~50HRC ~55HRC ~68HRC	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
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DH-2-EP / Square / Long Neck / Short Flute / 2 Flutes  
DH-2-EP 两刃直柄长颈短刃平头立铣刀



型号 Specification	刃数 Teeth	D	d	H	M	d <sub>1</sub>	L
DH- D2.5-M16-60-2T-EP	2	2.5	4	3.7	16	2.4	60
D2.5-M18-60-2T-EP	2	2.5	4	3.7	18	2.4	60
D2.5-M20-60-2T-EP	2	2.5	4	3.7	20	2.4	60
D3.0-M06-50-2T-EP	2	3.0	6	4.5	6	2.85	50
D3.0-M08-50-2T-EP	2	3.0	6	4.5	8	2.85	50
D3.0-M10-50-2T-EP	2	3.0	6	4.5	10	2.85	50
D3.0-M12-50-2T-EP	2	3.0	6	4.5	12	2.85	50
D3.0-M14-60-2T-EP	2	3.0	6	4.5	14	2.85	60
D3.0-M16-60-2T-EP	2	3.0	6	4.5	16	2.85	60
D3.0-M18-60-2T-EP	2	3.0	6	4.5	18	2.85	60
D3.0-M20-60-2T-EP	2	3.0	6	4.5	20	2.85	60
D4.0-M12-50-2T-EP	2	4.0	6	6.0	12	3.85	50
D4.0-M16-60-2T-EP	2	4.0	6	6.0	16	3.85	60
D4.0-M20-60-2T-EP	2	4.0	6	6.0	20	3.85	60
D4.0-M25-60-2T-EP	2	4.0	6	6.0	25	3.85	60
D5.0-M16-60-2T-EP	2	5.0	6	7.5	16	4.85	60
D5.0-M25-70-2T-EP	2	5.0	6	7.5	25	4.85	70

### 特点 / Feature

- 适用于细槽加工或会产生干涉的细微部分的加工。
- For rib-processing and very fine operations without interference.

被加工材料使用表 ○非常適合 ○适合 ■Work Piece Table ○Excellent ○Good

被加工材料 Work Piece

碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel ~40HRC ~50HRC ~55HRC ~68HRC	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
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# DH

DH-4-E / Square / Standard / 4 Flutes  
DH-4-E 四刃直柄平头立铣刀



型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DH- D1.0S-50-4T-E	4	A	1.0	4	3	50
D1.5S-50-4T-E	4	A	1.5	4	4	50
D2.0S-50-4T-E	4	A	2.0	4	6	50
D2.5S-50-4T-E	4	A	2.5	4	8	50
D3.0S-50-4T-E	4	A	3.0	4	8	50
D4.0S-50-4T-E	4	B	4.0	4	11	50
D1.0-50-4T-E	4	A	1.0	6	3	50
D1.5-50-4T-E	4	A	1.5	6	4	50
D2.0-50-4T-E	4	A	2.0	6	6	50
D2.5-50-4T-E	4	A	2.5	6	8	50
D3.0-50-4T-E	4	A	3.0	6	8	50
D3.5-50-4T-E	4	A	3.5	6	10	50
D4.0-50-4T-E	4	A	4.0	6	11	50
D4.5-50-4T-E	4	A	4.5	6	11	50
D5.0-50-4T-E	4	A	5.0	6	13	50
D5.5-50-4T-E	4	A	5.5	6	16	50
D6.0-50-4T-E	4	B	6.0	6	16	50
D7.0-60-4T-E	4	A	7.0	8	20	60
D8.0-60-4T-E	4	B	8.0	8	20	60
D9.0-75-4T-E	4	A	9.0	10	22	75
D10.0-75-4T-E	4	B	10.0	10	25	75
D11.0-75-4T-E	4	A	11.0	12	26	75
D12.0-75-4T-E	4	B	12.0	12	30	75
D14.0-75-4T-E	4	B	14.0	14	32	75
D16.0-100-4T-E	4	B	16.0	16	45	100
D18.0-100-4T-E	4	B	18.0	18	45	100
D20.0-100-4T-E	4	B	20.0	20	45	100

### 特点 / Feature

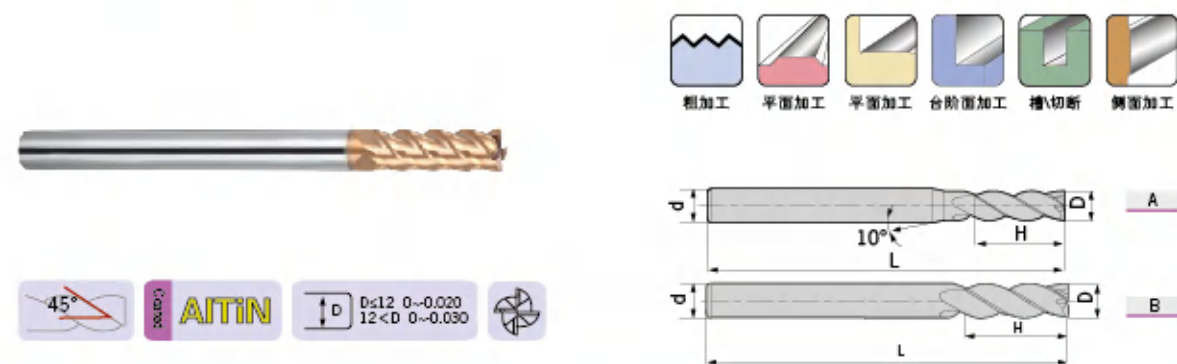
- 适用于侧面铣削，浅槽加工。 ■ For side-milling and grooving.
- 最适于高速切削、干式切削。 ■ High speed; Dry-cutting.

■ 被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece								
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○

# DH

DH-4-EL / Square / Long / 4 Flutes  
DH-4-EL 四刃直柄长刃平头立铣刀



型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DH- D3.0-75-4T-EL	4	A	3.0	6	12	75
D4.0-75-4T-EL	4	A	4.0	6	15	75
D5.0-75-4T-EL	4	A	5.0	6	20	75
D6.0-75-4T-EL	4	B	6.0	6	20	75
D8.0-100-4T-EL	4	B	8.0	8	25	100
D10.0-100-4T-EL	4	B	10.0	10	30	100
D12.0-100-4T-EL	4	B	12.0	12	35	100
D14.0-100-4T-EL	4	B	14.0	14	40	100
D16.0-150-4T-EL	4	B	16.0	16	50	150
D20.0-150-4T-EL	4	B	20.0	20	55	150

■ 被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece								
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○

# DH

DH-6-E / Square / Standard / 6 Flutes  
DH-6-E 六刃直柄平头立铣刀



型号 Specification	刃数 Teeth	D	d	H	L
DH- D6.0-60-6T-E	6	6.0	6	18	60
D8.0-60-6T-E	6	8.0	8	20	60
D10.0-75-6T-E	6	10.0	10	30	75
D12.0-75-6T-E	6	12.0	12	32	75
D16.0-100-6T-E	6	16.0	16	40	100
D20.0-100-6T-E	6	20.0	20	45	100

### 特点 / Feature

- 刀具刚性好，能最大限度的减少侧面切削时的让刀量。
- High working precision due to high rigidity.

■ 被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ⊙ Excellent ○ Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○	○	○	○	○	○	○	○	

# DH

DH-6-EL / Square / Long / 6 Flutes  
DH-6-EL 六刃直柄长刃平头立铣刀



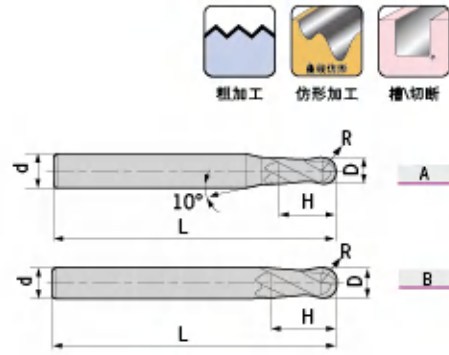
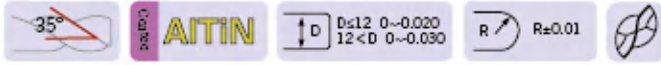
型号 Specification	刃数 Teeth	D	d	H	L
DH- D6.0-75-6T-EL	6	6.0	6	24	75
D8.0-75-6T-EL	6	8.0	8	32	75
D10.0-100-6T-EL	6	10.0	10	40	100
D12.0-100-6T-EL	6	12.0	12	45	100
D16.0-150-6T-EL	6	16.0	16	64	150
D20.0-150-6T-EL	6	20.0	20	75	150

■ 被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ⊙ Excellent ○ Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○	○	○	○	○	○	○	○	

# DH

DH-2-B / Ball / Standard / 2 Flutes  
DH-2-B 两刃直柄球头立铣刀



型号 Specification	刃数 Teeth	图示 Figure	D	R	d	H	L
DH- R0.5S-50-2T-B	2	A	1.0	0.5	4	2	50
R0.75S-50-2T-B	2	A	1.5	0.75	4	3	50
R1.0S-50-2T-B	2	A	2.0	1.0	4	4	50
R1.25S-50-2T-B	2	A	2.5	1.25	4	5	50
R1.5S-50-2T-B	2	A	3.0	1.5	4	6	50
R2.0S-50-2T-B	2	B	4.0	2.0	4	8	50
R0.5-50-2T-B	2	A	1.0	0.5	6	2	50
R0.75-50-2T-B	2	A	1.5	0.75	6	3	50
R1.0-50-2T-B	2	A	2.0	1.0	6	4	50
R1.25-50-2T-B	2	A	2.5	1.25	6	5	50
R1.5-50-2T-B	2	A	3.0	1.5	6	6	50
R1.75-50-2T-B	2	A	3.5	1.75	6	8	50
R2.0-50-2T-B	2	A	4.0	2.0	6	8	50
R2.5-50-2T-B	2	A	5.0	2.5	6	10	50
R2.75-50-2T-B	2	A	5.5	2.75	6	12	50
R3.0-50-2T-B	2	B	6.0	3.0	6	12	50
R3.5-60-2T-B	2	A	7.0	3.5	8	14	60
R4.0-60-2T-B	2	B	8.0	4.0	8	16	60
R4.5-75-2T-B	2	A	9.0	4.5	10	18	75
R5.0-75-2T-B	2	B	10.0	5.0	10	20	75
R6.0-75-2T-B	2	B	12.0	6.0	12	24	75
R7.0-75-2T-B	2	B	14.0	7.0	14	28	75
R8.0-100-2T-B	2	B	16.0	8.0	16	32	100
R10.0-100-2T-B	2	B	20.0	10.0	20	40	100

## 特点 / Feature

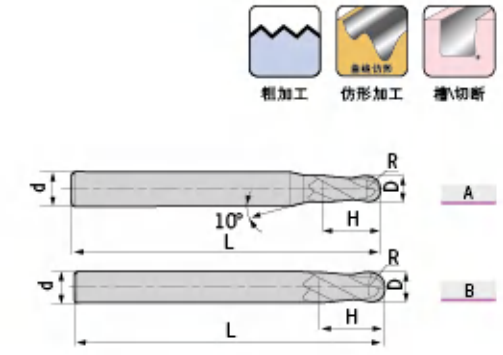
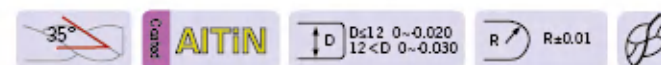
- 适用于仿形铣削。 ■ For profiling.
- 最适于高速切削、干式切削。 ■ High speed; Dry-cutting.

■ 被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece								
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○

# DH

DH-2-BL / Ball / Long / 2 Flutes  
DH-2-BL 两刃直柄长柄球头立铣刀



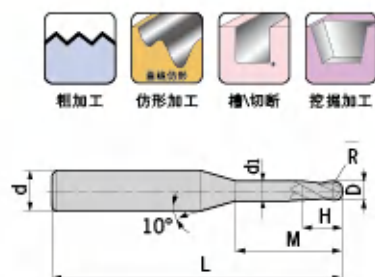
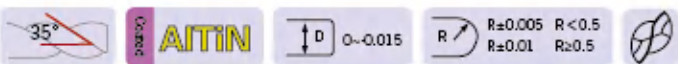
型号 Specification	刃数 Teeth	图示 Figure	D	R	d	H	L
DH- R1.0-75-2T-BL	2	A	2.0	1.0	6	4	75
R1.25-75-2T-BL	2	A	2.5	1.25	6	5	75
R1.5-75-2T-BL	2	A	3.0	1.5	6	6	75
R1.75-75-2T-BL	2	A	3.5	1.75	6	8	75
R2.0-75-2T-BL	2	A	4.0	2.0	6	8	75
R2.5-75-2T-BL	2	A	5.0	2.5	6	10	75
R2.75-75-2T-BL	2	A	5.5	2.75	6	12	75
R3.0-75-2T-BL	2	B	6.0	3.0	6	12	75
R3.5-75-2T-BL	2	A	7.0	3.5	8	14	75
R4.0-100-2T-BL	2	B	8.0	4.0	8	16	100
R4.5-100-2T-BL	2	A	9.0	4.5	10	18	100
R5.0-100-2T-BL	2	B	10.0	5.0	10	20	100
R6.0-100-2T-BL	2	B	12.0	6.0	12	24	100
R7.0-100-2T-BL	2	B	14.0	7.0	14	28	100
R8.0-150-2T-BL	2	B	16.0	8.0	16	32	150
R10.0-150-2T-BL	2	B	20.0	10.0	20	40	150

■ 被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece								
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○

# DH

DH-2-BP / Ball / Long Neck / Short Flute / 2 Flutes  
DH-2-BP 两刃直柄长颈短刃球头立铣刀



型号 Specification	刃数 Teeth	D	R	H	di	M	d	L
DH- R0.25-M04-50-2T-BP	2	0.5	0.25	0.7	0.45	4	4	50
R0.25-M06-50-2T-BP	2	0.5	0.25	0.7	0.45	6	4	50
R0.3-M04-50-2T-BP	2	0.6	0.3	0.9	0.55	4	4	50
R0.3-M06-50-2T-BP	2	0.6	0.3	0.9	0.55	6	4	50
R0.3-M08-50-2T-BP	2	0.6	0.3	0.9	0.55	8	4	50
R0.4-M04-50-2T-BP	2	0.8	0.4	1.2	0.75	4	4	50
R0.4-M06-50-2T-BP	2	0.8	0.4	1.2	0.75	6	4	50
R0.4-M08-50-2T-BP	2	0.8	0.4	1.2	0.75	8	4	50
R0.4-M10-50-2T-BP	2	0.8	0.4	1.2	0.75	10	4	50
R0.5-M04-50-2T-BP	2	1.0	0.5	1.5	0.95	4	4	50
R0.5-M06-50-2T-BP	2	1.0	0.5	1.5	0.95	6	4	50
R0.5-M08-50-2T-BP	2	1.0	0.5	1.5	0.95	8	4	50
R0.5-M10-50-2T-BP	2	1.0	0.5	1.5	0.95	10	4	50
R0.5-M12-50-2T-BP	2	1.0	0.5	1.5	0.95	12	4	50
R0.6-M06-50-2T-BP	2	1.2	0.6	1.8	1.15	6	4	50
R0.6-M08-50-2T-BP	2	1.2	0.6	1.8	1.15	8	4	50
R0.6-M12-50-2T-BP	2	1.2	0.6	1.8	1.15	12	4	50
R0.6-M16-50-2T-BP	2	1.2	0.6	1.8	1.15	16	4	50
R0.75-M08-50-2T-BP	2	1.5	0.75	2.3	1.45	8	4	50
R0.75-M12-50-2T-BP	2	1.5	0.75	2.3	1.45	12	4	50
R0.75-M16-50-2T-BP	2	1.5	0.75	2.3	1.45	16	4	50
R1.0-M06-50-2T-BP	2	2.0	1.0	3.0	1.95	6	4	50
R1.0-M08-50-2T-BP	2	2.0	1.0	3.0	1.95	8	4	50
R1.0-M10-50-2T-BP	2	2.0	1.0	3.0	1.95	10	4	50
R1.0-M12-50-2T-BP	2	2.0	1.0	3.0	1.95	12	4	50
R1.0-M16-50-2T-BP	2	2.0	1.0	3.0	1.95	16	4	50
R1.0-M20-50-2T-BP	2	2.0	1.0	3.0	1.95	20	4	50
R1.25-M08-50-2T-BP	2	2.5	1.25	3.7	2.4	8	4	50
R1.25-M12-50-2T-BP	2	2.5	1.25	3.7	2.4	12	4	50
R1.25-M16-60-2T-BP	2	2.5	1.25	3.7	2.4	16	4	60
R1.25-M20-60-2T-BP	2	2.5	1.25	3.7	2.4	20	4	60

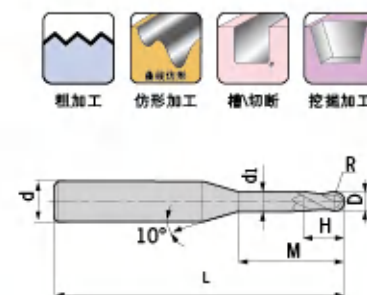
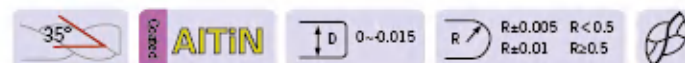
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被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						

# DH

DH-2-BP / Ball / Long Neck / Short Flute / 2 Flutes  
DH-2-BP 两刃直柄长颈短刃球头立铣刀



型号 Specification	刃数 Teeth	D	R	H	di	M	d	L
DH- R1.5-M08-50-2T-BP	2	3.0	1.5	4.5	2.85	8	6	50
R1.5-M10-50-2T-BP	2	3.0	1.5	4.5	2.85	10	6	50
R1.5-M12-50-2T-BP	2	3.0	1.5	4.5	2.85	12	6	50
R1.5-M16-60-2T-BP	2	3.0	1.5	4.5	2.85	16	6	60
R1.5-M20-60-2T-BP	2	3.0	1.5	4.5	2.85	20	6	60
R2.0-M10-60-2T-BP	2	4.0	2.0	6.0	3.85	10	6	60
R2.0-M16-60-2T-BP	2	4.0	2.0	6.0	3.85	16	6	60
R2.0-M20-60-2T-BP	2	4.0	2.0	6.0	3.85	20	6	60
R2.0-M25-60-2T-BP	2	4.0	2.0	6.0	3.85	25	6	60
R2.5-M16-60-2T-BP	2	5.0	2.5	7.5	4.85	16	6	60
R2.5-M25-70-2T-BP	2	5.0	2.5	7.5	4.85	25	6	70

### 特点 / Feature

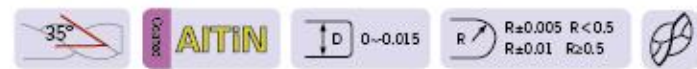
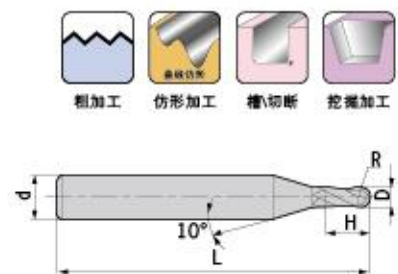
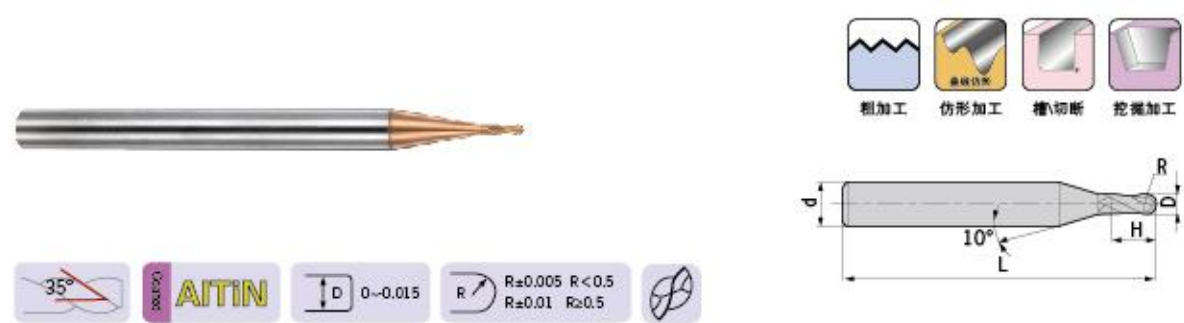
适用于细槽加工及自由曲面加工。 For rib-processing and profiling.

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						

# DH

DH-2-BS / Ball / Micro / 2 Flutes  
DH-2-BS 两刃直柄微小径球头立铣刀



型号 Specification	刃数 Teeth	D	R	d	H	L
DH- R0.15-50-2T-BS	2	0.30	0.15	4	0.5	50
R0.20-50-2T-BS	2	0.40	0.20	4	0.6	50
R0.25-50-2T-BS	2	0.50	0.25	4	0.8	50
R0.30-50-2T-BS	2	0.60	0.30	4	0.9	50
R0.35-50-2T-BS	2	0.70	0.35	4	1.0	50
R0.40-50-2T-BS	2	0.80	0.40	4	1.2	50
R0.45-50-2T-BS	2	0.90	0.45	4	1.3	50
R0.50-50-2T-BS	2	1.00	0.50	4	1.5	50
R0.60-50-2T-BS	2	1.20	0.60	4	1.8	50
R0.70-50-2T-BS	2	1.40	0.70	4	2.0	50
R0.75-50-2T-BS	2	1.50	0.75	4	2.3	50
R0.80-50-2T-BS	2	1.60	0.80	4	2.5	50
R0.90-50-2T-BS	2	1.80	0.90	4	2.7	50
R1.00-50-2T-BS	2	2.00	1.00	4	3.0	50
R1.25-50-2T-BS	2	2.50	1.25	4	3.7	50
R1.50-50-2T-BS	2	3.00	1.50	4	4.5	50

### 特点 / Feature

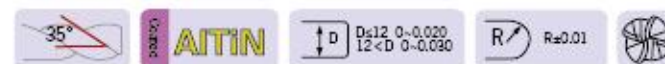
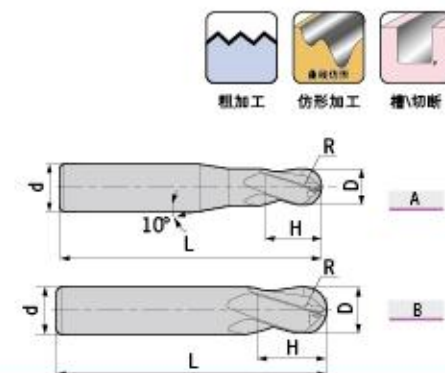
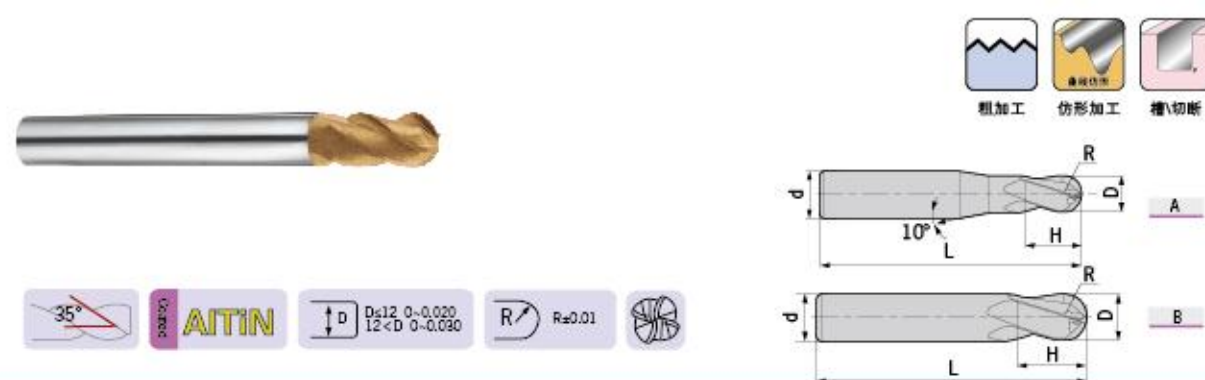
- 微小径铣刀可充分发挥加工中心高速、高精度性能，常用于电子零件等精密零件的加工。
- High-precision performance at high speed due to micro diameter of flutes.

■ 被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○

# DH

DH-4-B / Ball / Standard / 4 Flutes  
DH-4-B 四刃直柄球头立铣刀



型号 Specification	刃数 Teeth	图示 Figure	D	R	d	H	L
DH- R1.5-50-4T-B	4	A	3.0	1.5	6	6	50
R2.0-50-4T-B	4	A	4.0	2.0	6	8	50
R2.5-50-4T-B	4	A	5.0	2.5	6	10	50
R3.0-50-4T-B	4	B	6.0	3.0	6	12	50
R4.0-60-4T-B	4	B	8.0	4.0	8	16	60
R5.0-75-4T-B	4	B	10.0	5.0	10	20	75
R6.0-75-4T-B	4	B	12.0	6.0	12	24	75
R7.0-75-4T-B	4	B	14.0	7.0	14	28	75
R8.0-100-4T-B	4	B	16.0	8.0	16	32	100
R9.0-100-4T-B	4	B	18.0	9.0	18	36	100
R10.0-100-4T-B	4	B	20.0	10.0	20	40	100

### 特点 / Feature

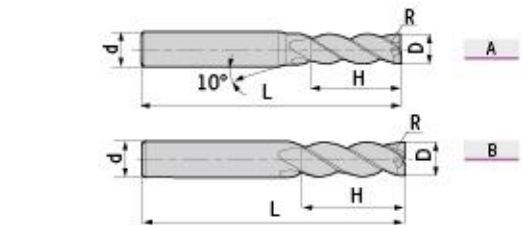
- 四刃球头铣刀可实现较高的进给速度，提高加工效率，在高硬度材料加工中实现较长的使用寿命。
- High feed speed; High efficiency; Long tool life.

■ 被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ○ Excellent ○ Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○

# DH

DH-4R / Corner Radius / Standard / 4 Flutes  
DH-4R 四刃直柄圆弧立铣刀



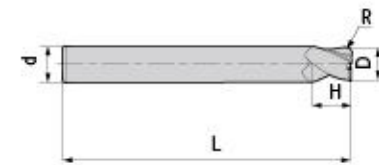
型号 Specification	刃数 Teeth	图示 Figure	D	R	d	H	L
DH- D3.0R0.2-50-4T-R	4	A	3.0	0.2	4	8	50
D4.0R0.3-50-4T-R	4	B	4.0	0.3	4	10	50
D4.0R0.5-50-4T-R	4	B	4.0	0.5	4	10	50
D5.0R0.5-50-4T-R	4	A	5.0	0.5	6	13	50
D5.0R1.0-50-4T-R	4	A	5.0	1.0	6	13	50
D6.0R0.5-50-4T-R	4	B	6.0	0.5	6	16	50
D6.0R1.0-50-4T-R	4	B	6.0	1.0	6	16	50
D8.0R0.5-60-4T-R	4	B	8.0	0.5	8	20	60
D8.0R1.0-60-4T-R	4	B	8.0	1.0	8	20	60
D10.0R0.5-75-4T-R	4	B	10.0	0.5	10	25	75
D10.0R1.0-75-4T-R	4	B	10.0	1.0	10	25	75
D10.0R2.0-75-4T-R	4	B	10.0	2.0	10	25	75
D10.0R3.0-75-4T-R	4	B	10.0	3.0	10	25	75
D12.0R0.5-75-4T-R	4	B	12.0	0.5	12	30	75
D12.0R1.0-75-4T-R	4	B	12.0	1.0	12	30	75
D12.0R2.0-75-4T-R	4	B	12.0	2.0	12	30	75
D12.0R3.0-75-4T-R	4	B	12.0	3.0	12	30	75

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○	○	○	○	○	○	○	○	○

# DH

DH-4RF / Corner Radius / Short Flute / 4 Flutes  
DH-4RF 四刃直柄短刃圆弧立铣刀



型号 Specification	刃数 Teeth	D	R	d	H	L
DH- D6.0R0.5-50-4T-RF	4	6.0	0.5	6	6	50
D6.0R1.0-50-4T-RF	4	6.0	1.0	6	6	50
D8.0R0.5-60-4T-RF	4	8.0	0.5	8	8	60
D8.0R1.0-60-4T-RF	4	8.0	1.0	8	8	60
D10.0R0.5-75-4T-RF	4	10.0	0.5	10	10	75
D10.0R1.0-75-4T-RF	4	10.0	1.0	10	10	75
D10.0R2.0-75-4T-RF	4	10.0	2.0	10	10	75
D12.0R0.5-75-4T-RF	4	12.0	0.5	12	12	75
D12.0R1.0-75-4T-RF	4	12.0	1.0	12	12	75
D12.0R2.0-75-4T-RF	4	12.0	2.0	12	12	75

### 特点 / Feature

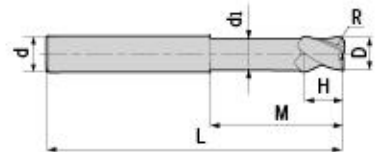
高刚性短刃型设计，可进行高速、大进给切削。 High rigidity and short flute for high-feed at high speed.

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece											
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel				不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
○	○	○	○	○	○	○	○	○	○	○	○

# DH

DH-4-RP / Corner Radius / Long Neck / Short Flute / 4 Flutes  
DH-4-RP 四刃直柄长颈短刃圆弧立铣刀



型号 Specification	刃数 Teeth	D	R	d	d1	H	M	L
DH- D6.0R0.5-75-4T-RP	4	6.0	0.5	6	5.8	6	18	75
D6.0R1.0-75-4T-RP	4	6.0	1.0	6	5.8	6	18	75
D8.0R0.5-100-4T-RP	4	8.0	0.5	8	7.8	8	24	100
D8.0R1.0-100-4T-RP	4	8.0	1.0	8	7.8	8	24	100
D10.0R0.5-100-4T-RP	4	10.0	0.5	10	9.6	10	30	100
D10.0R1.0-100-4T-RP	4	10.0	1.0	10	9.6	10	30	100
D10.0R2.0-100-4T-RP	4	10.0	2.0	10	9.6	10	30	100
D12.0R0.5-100-4T-RP	4	12.0	0.5	12	11.5	12	36	100
D12.0R1.0-100-4T-RP	4	12.0	1.0	12	11.5	12	36	100
D12.0R2.0-100-4T-RP	4	12.0	2.0	12	11.5	12	36	100
D16.0R1.0-150-4T-RP	4	16.0	1.0	16	15.5	16	40	150
D16.0R2.0-150-4T-RP	4	16.0	2.0	16	15.5	16	40	150

## 特点 / Feature

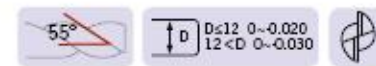
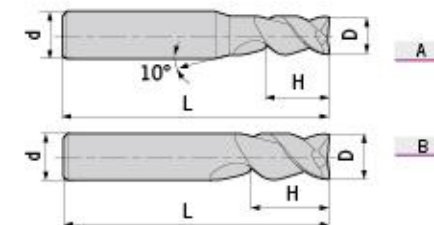
■ 长柄短刃设计，适用于深型腔的铣削加工。 ■ Long shank and short flute for deep pocketmilling.

■ 被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ⊙ Excellent ○ Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○

# DL

DL-2-E / Square / Standard / 2 Flutes  
DL-2-E 两刃直柄平头立铣刀



型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DL- D1.0-50-2T-E	2	A	1.0	4	3	50
D1.5-50-2T-E	2	A	1.5	4	4	50
D2.0-50-2T-E	2	A	2.0	4	6	50
D2.5-50-2T-E	2	A	2.5	4	7	50
D3.0-50-2T-E	2	A	3.0	6	9	50
D4.0-50-2T-E	2	A	4.0	6	12	50
D5.0-50-2T-E	2	A	5.0	6	15	50
D6.0-60-2T-E	2	B	6.0	6	18	60
D8.0-60-2T-E	2	B	8.0	8	20	60
D10.0-75-2T-E	2	B	10.0	10	30	75
D12.0-75-2T-E	2	B	12.0	12	32	75
D16.0-100-2T-E	2	B	16.0	16	45	100
D20.0-100-2T-E	2	B	20.0	20	45	100

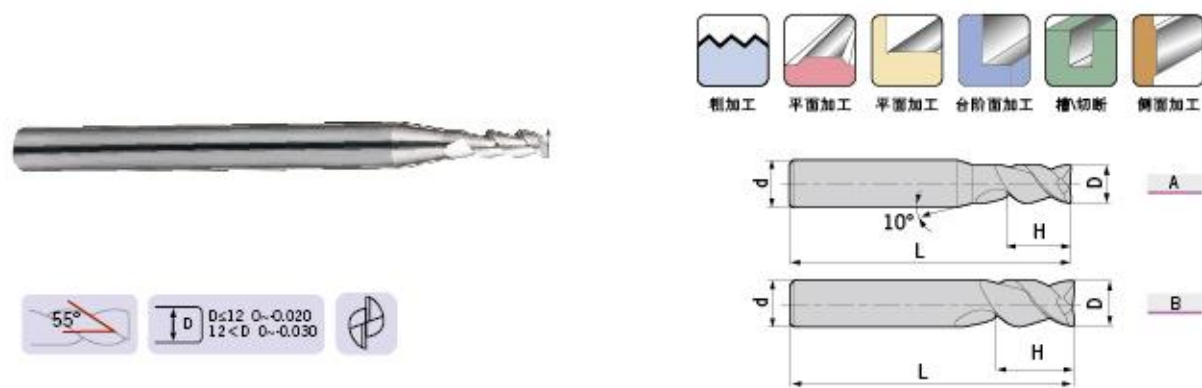
## 特点 / Feature

■ 排屑性能良好，可进行高效率加工。 ■ Excellent chip evacuation and high efficiency.

■ 被加工材料使用表 ○ 非常适合 ○ 适合 ■ Work Piece Table ⊙ Excellent ○ Good

被加工材料 Work Piece									
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel		不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
○	○	○	○	○	○	○	○	○	○

## DL-2-EL / Square / Long / 2 Flutes DL-2-EL 两刃直柄长刃平头立铣刀



型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DL- D3.0-60-2T-EL	2	A	3.0	6	12	60
D4.0-60-2T-EL	2	A	4.0	6	16	60
D5.0-60-2T-EL	2	A	5.0	6	20	60
D6.0-75-2T-EL	2	B	6.0	6	25	75
D8.0-75-2T-EL	2	B	8.0	8	32	75
D10.0-100-2T-EL	2	B	10.0	10	45	100
D12.0-100-2T-EL	2	B	12.0	12	45	100
D16.0-150-2T-EL	2	B	16.0	16	65	150
D20.0-150-2T-EL	2	B	20.0	20	75	150

被加工材料使用表  非常适合  适合  Work Piece Table  Excellent  Good

被加工材料 Work Piece								
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel ~40HRC ~50HRC ~55HRC ~68HRC	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy

## DL-3-E / Square / Standard / 3 Flutes DL-3-E 三刃直柄平头立铣刀



型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DL- D1.0-50-3T-E	3	A	1.0	4	3	50
D1.5-50-3T-E	3	A	1.5	4	4	50
D2.0-50-3T-E	3	A	2.0	4	6	50
D2.5-50-3T-E	3	A	2.5	4	7	50
D3.0-50-3T-E	3	A	3.0	6	9	50
D4.0-50-3T-E	3	A	4.0	6	12	50
D5.0-50-3T-E	3	A	5.0	6	15	50
D6.0-60-3T-E	3	B	6.0	6	18	60
D8.0-60-3T-E	3	B	8.0	8	20	60
D10.0-75-3T-E	3	B	10.0	10	30	75
D12.0-75-3T-E	3	B	12.0	12	32	75
D16.0-100-3T-E	3	B	16.0	16	45	100
D20.0-100-3T-E	3	B	20.0	20	45	100

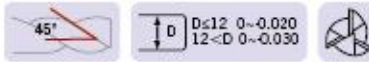
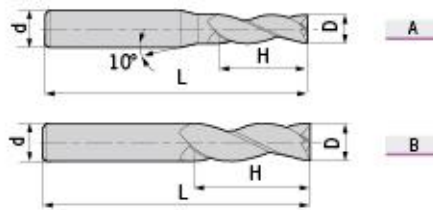
### 特点 / Feature

■ 切削性能优异，无颤振，可实现高精度的加工。 ■ Excellent cutting performance; Zero-shaking; High precision.

被加工材料使用表  非常适合  适合  Work Piece Table  Excellent  Good

被加工材料 Work Piece								
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel ~40HRC ~50HRC ~55HRC ~68HRC	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy

## DL-3-EL / Square / Long / 3 Flutes DL-3-EL 三刃直柄长刃平头立铣刀

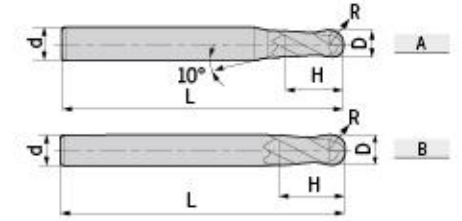


型号 Specification	刃数 Teeth	图示 Figure	D	d	H	L
DL- D3.0-60-3T-EL	3	A	3.0	6	12	60
D4.0-60-3T-EL	3	A	4.0	6	16	60
D5.0-60-3T-EL	3	A	5.0	6	20	60
D6.0-75-3T-EL	3	B	6.0	6	25	75
D8.0-75-3T-EL	3	B	8.0	8	32	75
D10.0-100-3T-EL	3	B	10.0	10	45	100
D12.0-100-3T-EL	3	B	12.0	12	45	100
D16.0-150-3T-EL	3	B	16.0	16	65	150
D20.0-150-3T-EL	3	B	20.0	20	75	150

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece								
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC ~50HRC ~55HRC ~68HRC						

## DL-2-B / Ball / Standard / 2 Flutes DL-2-B 两刃直柄球头立铣刀



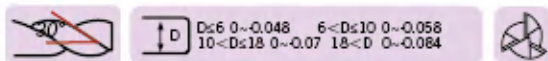
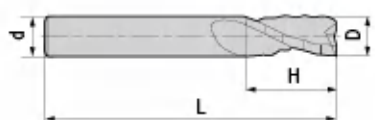
型号 Specification	刃数 Teeth	图示 Figure	D	R	d	H	L
DL- R1.0-60-2T-B	2	A	2.0	1.0	6	4	60
R1.5-60-2T-B	2	A	3.0	1.5	6	6	60
R2.0-60-2T-B	2	A	4.0	2.0	6	8	60
R2.5-60-2T-B	2	A	5.0	2.5	6	10	60
R3.0-60-2T-B	2	B	6.0	3.0	6	12	60
R4.0-75-2T-B	2	B	8.0	4.0	8	16	75
R5.0-75-2T-B	2	B	10.0	5.0	10	20	75
R6.0-75-2T-B	2	B	12.0	6.0	12	24	75

### 特点 / Feature

适用于铝合金的仿形铣削。 For profiling.

被加工材料使用表 非常合适 合适 Work Piece Table Excellent Good

被加工材料 Work Piece								
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC ~50HRC ~55HRC ~68HRC						



型号 Specification	刃数 Teeth	D	d	H	L
DL- D6.0-50-3T-W	3	6.0	6	16	50
D8.0-60-3T-W	3	8.0	8	20	60
D10.0-75-3T-W	3	10.0	10	25	75
D12.0-75-3T-W	3	12.0	12	30	75
D16.0-100-3T-W	3	16.0	16	45	100
D20.0-100-3T-W	3	20.0	20	45	100

### 特点 / Feature

■适用于铝合金的粗加工。■For roughing.

■被加工材料使用表 ○非常適合 ○適合 ■Work Piece Table ⊙Excellent ○Good

被加工材料 Work Piece								
碳素钢 Carbon steel	合金钢 Alloy steel	预硬钢、淬硬钢 Pre-hardened steel, Hardened steel	不锈钢 Stainless steel	铸铁、球墨铸铁 Cast iron, Nodular cast iron	铜合金 Copper alloy	铝合金 Aluminium alloy	钛合金 Titanium alloy	耐热合金 Heat resistant alloy
		~40HRC ~50HRC ~55HRC ~68HRC						

DP-2-E & DP-2-EL										
被削材 Work Piece	铸铁/碳素钢/合金钢 Cast Iron/Carbon Steel/Alloy Steel ~ 30HRC		不锈钢 Stainless Steel		预硬钢/淬硬钢 Pre-hardened Steel/Hardened Steel ~ 40HRC		预硬钢/淬硬钢 Pre-hardened Steel/Hardened Steel ~ 50HRC		淬硬钢 Hardened Steel ~ 55HRC	
	D mm	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>
1	20000	200	20000	60	20000	165	20000	120	20000	90
2	15000	320	11150	85	15000	285	13000	180	11140	130
3	14000	545	7500	120	10600	420	8500	330	7430	240
4	10800	560	5500	135	8000	425	6500	335	5570	245
5	8200	585	4500	135	6400	445	5000	355	4460	260
6	7000	600	3700	140	5300	465	4200	260	3710	260
8	5200	595	2800	140	4000	455	3200	365	2785	270
10	4200	585	2200	140	3200	445	2500	350	2230	250
12	3500	585	1850	140	2650	445	2100	350	1855	250
14	3000	545	1600	135	2300	420	1800	330	1590	240
16	2600	545	1400	120	2000	420	1600	330	1390	240
18	2300	535	1250	120	1800	415	1400	325	1240	235
20	2050	535	1100	120	1600	415	1250	325	1115	235

DP-4-G-E & DP-4-G-EL (普通加工)										
被削材 Work Piece	铸铁/碳素钢/合金钢 Cast Iron/Carbon Steel/Alloy Steel ~ 30HRC		不锈钢 Stainless Steel		预硬钢/淬硬钢 Pre-hardened Steel/Hardened Steel ~ 40HRC		预硬钢/淬硬钢 Pre-hardened Steel/Hardened Steel ~ 50HRC		淬硬钢 Hardened Steel ~ 55HRC	
	D mm	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>
1	20000	270	20000	95	20000	215	2000	135	20000	120
2	15000	435	11150	110	15000	380	13000	200	11140	175
3	14000	735	7500	135	10600	565	8500	370	7430	325
4	10800	755	5500	140	8000	575	6500	380	5570	335
5	8200	795	4500	140	6400	605	5000	400	4460	350
6	7000	810	3700	145	5300	620	4200	405	3710	350
8	5200	800	2800	145	4000	615	3200	415	2785	365
10	4200	795	2200	145	3200	605	2500	390	2230	340
12	3500	795	1850	145	2650	605	2100	390	1855	340
14	3000	735	1600	140	2300	565	1800	370	1590	325
16	2600	735	1400	135	2000	565	1600	370	1390	325
18	2300	720	1250	115	1800	555	1400	365	1240	315
20	2050	720	1100	115	1600	555	1250	365	1115	315

### DP-4-GE & DP-4-EL (高速侧铣加工) Profiling At High Speed

被削材 Work Piece	铸铁/碳素钢/合金钢 Cast Iron/Carbon Steel/Alloy Steel ~ 30HRC		碳素钢/合金钢 Steel/Alloy Steel ~ 40HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 45HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 50HRC		淬硬钢 Hardened Steel ~ 55HRC	
	300m/min		250m/min		200m/min		150m/min		100m/min	
D mm	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min
6	15915	1535	13260	1280	10600	1020	7960	765	5300	515
8	11935	1530	9950	1260	7960	1020	5970	765	3980	515
10	9550	1450	7960	1245	6370	1000	4775	750	3180	495
12	7960	1450	6630	1245	5300	1000	3980	750	2650	495
14	6820	1390	5685	1160	4550	930	3410	810	2275	465
16	5970	1390	4975	1160	3980	930	2985	810	1990	465
18	5305	1390	4420	1160	3540	930	2650	810	1770	465
20	4775	1390	3980	1160	3180	930	2390	810	1590	465

### DP-4-E & DP-4-EL (普通加工)

被削材 Work Piece	铸铁/碳素钢/合金钢 Cast Iron/Carbon Steel/Alloy Steel ~ 30HRC		不锈钢 Stainless Steel		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 40HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 50HRC		淬硬钢 Hardened Steel ~ 55HRC	
	D mm	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>
1	20000	300	20000	108	20000	240	20000	180	20000	135
2	15000	480	11150	120	15000	420	13000	270	11140	195
3	14000	815	7500	145	10600	630	8500	495	7430	360
4	10800	840	5500	150	8000	645	6500	505	5570	370
5	8200	875	4500	150	6400	675	5000	530	4460	390
6	7000	900	3700	165	5300	690	4200	540	3710	390
8	5200	890	2800	165	4000	680	3200	555	2785	405
10	4200	875	2200	165	3200	675	2500	525	2230	375
12	3500	875	1850	165	2650	675	2100	525	1855	375
14	3000	815	1600	150	2300	630	1800	495	1590	360
16	2600	815	1400	145	2000	630	1600	495	1390	360
18	2300	805	1250	125	1800	620	1400	485	1240	350
20	2050	805	1100	125	1600	620	1250	485	1115	350

### DP-4-E & DP-4-EL (高速侧铣加工) Profiling At High Speed

被削材 Work Piece	铸铁/碳素钢/合金钢 Cast Iron/Carbon Steel/Alloy Steel ~ 30HRC		不锈钢 Stainless Steel		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 40HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 50HRC		淬硬钢 Hardened Steel ~ 55HRC	
	D mm	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>
6	15915	1705	13260	1420	10600	1135	7960	850	5300	570
8	11935	1700	9950	1400	7960	1130	5970	850	3980	570
10	9550	1660	7960	1380	6370	1110	4775	830	3180	550
12	7960	1660	6630	1380	5300	1110	3980	830	2650	550
14	6820	1545	5685	1290	4550	1030	3410	900	2275	515
16	5970	1545	4975	1290	3980	1030	2985	900	1990	515
18	5305	1545	4420	1290	3540	1030	2650	900	1770	515
20	4775	1545	3980	1290	3180	1030	2390	900	1590	515

### DP-2-B & DP-2-BL (高速切削) Cutting At High Speed

被削材 Work Piece	铸铁/碳素钢/合金钢 Cast Iron/Carbon Steel/Alloy Steel ~ 30HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 40HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 45HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 50HRC		淬硬钢 Hardened Steel ~ 55HRC	
	D mm	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>
R3.0	15000	4800	11500	2750	9500	2250	7960	1885	6370	1510
R4.0	11500	3650	8950	2100	7150	1700	5970	1420	4775	1135
R5.0	9500	3000	7150	1700	5700	1350	4775	1130	3820	905
R6.0	7950	2500	5950	1400	4750	1100	3980	920	3180	735
R8.0	5950	1900	4450	1050	3550	850	2985	760	2390	610
R10.0	4750	1500	3550	850	2850	680	2390	570	1910	455

### DP-4-B & DP-4-BL

被削材 Work Piece	铸铁/球墨铸铁 Cast Iron/Ball Cast Iron		不锈钢 Stainless Steel		碳素钢/合金钢 Carbon Steel/Alloy Steel ~ 30HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 40HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 50HRC	
	D mm	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>
R1.5	15500	2055	7400	625	10600	975	8500	600	7430	525
R2.0	11500	2055	5550	795	8000	1190	6500	800	5570	685
R2.5	9500	2270	4450	795	6400	1190	5000	810	4455	720
R3.0	8000	2270	3700	840	5300	1245	4200	840	3715	745
R4.0	6000	2810	2750	985	4000	1515	3200	950	2785	825
R5.0	4800	2595	2200	925	3200	1405	2500	950	2230	825
R6.0	4000	2375	1850	925	2650	1320	2100	905	1855	800
R8.0	3000	2270	1350	815	2000	1295	1600	810	1395	705
R10.0	2400	2055	1100	795	1600	1200	1250	715	1115	740

### DP-2-R

被削材 Work Piece	碳素钢/合金钢 Carbon Steel/Alloy Steel ~ 30HRC		不锈钢 Stainless Steel		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 45HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 50HRC		淬硬钢 Hardened Steel ~ 55HRC	
	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min
1	20000	240	20000	75	20000	195	20000	145	20000	95
2	15000	385	11150	100	15000	335	13000	215	11140	130
3	14000	655	7500	145	10600	505	8500	395	7430	245
4	10800	675	5500	155	8000	515	6500	405	5570	245
5	8200	695	4500	155	6400	540	5000	425	4460	260
6	7000	720	3700	170	5300	555	4200	435	3710	260
8	5200	720	2800	170	4000	555	3200	440	2785	275
10	4200	695	2200	170	3200	535	2500	420	2230	255
12	3500	695	1850	170	2650	535	2100	420	1855	255

### DP-4-R

被削材 Work Piece	碳素钢/合金钢 Carbon Steel/Alloy Steel ~ 30HRC		不锈钢 Stainless Steel		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 45HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 50HRC		淬硬钢 Hardened Steel ~ 55HRC	
	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min
3	14000	985	7500	175	10600	755	8500	590	7430	435
4	10800	1010	5500	175	8000	770	6500	600	5570	445
5	8200	1055	4500	175	6400	805	5000	640	4460	470
6	7000	1080	3700	195	5300	830	4200	650	3710	470
8	5200	1070	2800	195	4000	815	3200	660	2785	485
10	4200	1055	2200	195	3200	805	2500	625	2230	450
12	3500	1055	1850	195	2650	805	2100	625	1855	450
16	2600	985	1400	175	2000	755	1600	590	1390	435

### DG-2-E & DG-2-EL

被削材 Work Piece	铸铁/球墨铸铁 Cast Iron/Bal Cast Iron		碳素钢/合金钢 Carbon Steel/Alloy Steel 750N/mm <sup>2</sup> ~ 30HRC		碳素钢/合金钢 Carbon Steel/Alloy Steel ~ 30HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 40HRC		不锈钢 Stainless Steel		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 50HRC	
	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min
1	20000	165	20000	165	20000	135	20000	135	20000	50	20000	100
2	15000	265	15000	265	15000	240	15000	235	11150	70	13000	150
3	14000	455	14000	455	13000	420	10600	350	7500	100	8500	275
4	10800	465	10800	465	10000	430	8000	355	5500	110	6500	280
5	8200	485	8200	485	7600	450	6400	370	4500	110	5000	295
6	7000	500	7000	500	6400	460	5300	385	3700	115	4200	300
8	5200	495	5200	495	4800	455	4000	380	2800	115	3200	305
10	4200	485	4200	485	3800	450	3200	370	2200	115	2500	290
12	3500	485	3500	485	3200	450	2650	370	1850	115	2100	290
14	3000	455	3000	455	2700	420	2300	350	1600	110	1800	275
16	2600	455	2600	455	2400	420	2000	350	1400	100	1600	275
18	2300	445	2300	445	2100	410	1800	345	1250	100	1400	270
20	2050	445	2050	445	1900	410	1600	345	1100	100	1250	270

### DG-4-G-E & DG-4-G-EL

被削材 Work Piece	铸铁/球墨铸铁 Cast Iron/Bal Cast Iron		碳素钢/合金钢 Carbon Steel/Alloy Steel 750N/mm <sup>2</sup> ~ 30HRC		碳素钢/合金钢 Carbon Steel/Alloy Steel ~ 30HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 40HRC		不锈钢 Stainless Steel		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 50HRC	
	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min
1	20000	225	20000	225	20000	180	20000	180	20000	80	20000	135
2	15000	360	15000	360	15000	325	15000	315	11150	90	13000	200
3	14000	610	14000	610	13000	570	10600	470	7500	110	8500	370
4	10800	630	10800	630	10000	575	8000	480	5500	115	6500	380
5	8200	660	8200	660	7600	600	6400	505	4500	115	5000	400
6	7000	675	7000	675	6400	620	5300	515	3700	120	4200	405
8	5200	665	5200	665	4800	610	4000	510	2800	120	3200	415
10	4200	660	4200	660	3800	600	3200	505	2200	120	2500	390
12	3500	660	3500	660	3200	600	2650	505	1850	120	2100	390
14	3000	610	3000	610	2700	570	2300	470	1600	115	1800	370
16	2600	610	2600	610	2400	570	2000	470	1400	110	1600	370
18	2300	600	2300	600	2100	560	1800	460	1250	95	1400	365
20	2050	600	2050	600	1900	560	1600	460	1100	95	1250	365

### DG-2-EP

D mm	有效长度 Length	碳素钢/合金钢 Carbon Steel/Alloy Steel 750N/mm <sup>2</sup>			碳素钢/合金钢 Carbon Steel/Alloy Steel ~30HRC			预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~40HRC			不锈钢 Stainless Steel		
		回转数 No Load RPM	进给速度 Feed Speed mm/min	~ap mm	回转数 No Load RPM	进给速度 Feed Speed mm/min	~ap mm	回转数 No Load RPM	进给速度 Feed Speed mm/min	ap mm	回转数 No Load RPM	进给速度 Feed Speed mm/min	ap mm
0.5	4	28000	500	0.023	28000	400	0.021	28000	250	0.018	25000	200	0.014
0.5	6	22000	400	0.007	22000	350	0.06	22000	150	0.005	20000	150	0.004
0.5	8	18000	300	0.005	18000	300	0.005	18000	150	0.004	20000	150	0.003
0.8	4	32000	900	0.057	32000	600	0.053	32000	600	0.044	25000	400	0.035
0.8	6	26000	700	0.036	26000	450	0.034	26000	400	0.028	21000	300	0.022
0.8	8	22000	500	0.026	22000	350	0.024	22000	300	0.02	18000	200	0.016
0.8	10	22000	500	0.01	22000	350	0.01	22000	300	0.008	18000	200	0.006
1.0	4	29000	1300	0.08	27000	1000	0.08	26000	900	0.07	20000	600	0.05
1.0	6	29000	1300	0.07	27000	1000	0.07	26000	900	0.06	20000	600	0.04
1.0	8	24000	900	0.05	23000	800	0.04	22000	700	0.04	18000	400	0.03
1.0	10	20000	700	0.03	19000	600	0.03	18000	500	0.03	15000	300	0.02
1.0	12	20000	700	0.02	19000	600	0.02	18000	500	0.02	15000	300	0.01
1.0	14	18000	500	0.015	15000	400	0.01	15000	360	0.01	12000	200	0.008
1.2	6	25000	1100	0.09	23000	1000	0.08	22000	900	0.07	17000	600	0.05
1.2	8	21000	900	0.07	20000	700	0.07	19000	700	0.05	14000	400	0.04
1.2	10	21000	900	0.06	20000	700	0.05	19000	700	0.04	14000	400	0.03
1.2	12	18000	700	0.04	17000	600	0.04	16000	500	0.03	11000	300	0.02
1.5	6	20000	1200	0.15	18000	1000	0.14	18000	900	0.11	14000	600	0.09
1.5	8	19000	900	0.11	16000	800	0.1	15000	700	0.08	12000	400	0.07
1.5	10	19000	900	0.09	16000	800	0.08	15000	700	0.06	12000	400	0.05
1.5	12	19000	900	0.07	16000	800	0.06	15000	700	0.05	12000	400	0.04
1.5	14	19000	700	0.06	16000	650	0.05	15000	630	0.04	12000	360	0.03
2.0	6	16000	1300	0.34	15000	1100	0.31	14000	1000	0.26	11000	700	0.21
2.0	8	16000	1300	0.29	15000	1100	0.26	14000	1000	0.22	11000	700	0.18
2.0	10	14000	900	0.26	13000	800	0.24	12000	700	0.20	9000	500	0.16
2.0	12	14000	900	0.14	13000	800	0.13	12000	700	0.11	9000	500	0.09
2.0	14	14000	900	0.1	13000	800	0.11	12000	700	0.09	9000	500	0.07
2.0	16	14000	900	0.08	13000	800	0.08	12000	700	0.07	9000	500	0.06
2.5	8	13000	1300	0.42	12000	1100	0.39	11000	1000	0.33	9000	700	0.26
2.5	10	13000	1300	0.36	12000	1100	0.33	11000	1000	0.28	9000	700	0.22
2.5	12	13000	1300	0.24	12000	1100	0.23	11000	1000	0.19	9000	700	0.15
2.5	14	12000	900	0.18	10000	800	0.17	9000	700	0.14	7000	500	0.11
2.5	16	12000	900	0.13	10000	800	0.12	9000	700	0.09	7000	500	0.08
2.5	18	12000	800	0.11	10000	720	0.10	9000	630	0.07	7000	450	0.07
2.5	20	12000	800	0.09	10000	720	0.08	9000	630	0.05	7000	450	0.05

### DG-2-EP

D mm	有效长度 Length	碳素钢/合金钢 Carbon Steel/Alloy Steel 750N/mm <sup>2</sup>			碳素钢/合金钢 Carbon Steel/Alloy Steel ~30HRC			预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~40HRC			不锈钢 Stainless Steel		
		回转数 No Load RPM	进给速度 Feed Speed mm/min	ap mm	回转数 No Load RPM	进给速度 Feed Speed mm/min	ap mm	回转数 No Load RPM	进给速度 Feed Speed mm/min	ap mm	回转数 No Load RPM	进给速度 Feed Speed mm/min	ap mm
3.0	6	11000	1300	0.42	10000	1100	0.39	10000	1000	0.32	8000	700	0.27
3.0	8	11000	1300	0.39	10000	1100	0.36	10000	1000	0.30	8000	700	0.24
3.0	10	11000	1300	0.31	10000	1100	0.29	10000	1000	0.24	8000	700	0.19
3.0	12	11000	1100	0.29	10000	1000	0.27	10000	900	0.22	8000	650	0.16
3.0	14	11000	1100	0.27	10000	1000	0.25	10000	900	0.20	8000	650	0.15
3.0	16	10000	850	0.22	10000	750	0.20	9000	650	0.17	6000	450	0.13
3.0	18	10000	850	0.16	10000	750	0.14	9000	650	0.12	6000	450	0.10
3.0	20	10000	850	0.12	10000	750	0.10	9000	650	0.08	6000	450	0.07
4.0	12	8000	1300	0.42	7000	1100	0.38	7000	1000	0.32	6000	700	0.26
4.0	16	8000	1100	0.39	7000	1000	0.35	7000	900	0.30	6000	650	0.24
4.0	20	7000	900	0.34	7000	800	0.30	6000	700	0.27	5000	500	0.20
4.0	25	7000	900	0.30	7000	800	0.27	6000	700	0.24	5000	500	0.15
5.0	16	6000	1200	0.49	6000	1000	0.45	5000	1000	0.38	5000	600	0.30
5.0	25	5000	800	0.45	5000	720	0.42	5000	700	0.35	5000	600	0.25

### DG-4-E & DG-4-EL

D mm	回转数 No Load RPM	进给速度 Feed Speed mm/min	碳素钢/合金钢 Carbon Steel/Alloy Steel 750N/mm <sup>2</sup>		碳素钢/合金钢 Carbon Steel/Alloy Steel ~30HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~40HRC		不锈钢 Stainless Steel		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~50HRC	
			回转数 No Load RPM	进给速度 Feed Speed mm/min	回转数 No Load RPM	进给速度 Feed Speed mm/min	回转数 No Load RPM	进给速度 Feed Speed mm/min	回转数 No Load RPM	进给速度 Feed Speed mm/min	回转数 No Load RPM	进给速度 Feed Speed mm/min
1	20000	250	20000	250	20000	200	20000	200	20000	90	20000	150
2	15000	400	15000	400	15000	360	15000	350	11150	100	13000	225
3	14000	680	14000	680	13000	630	10600	525	7500	120	8500	410
4	10800	700	10800	700	10000	640	8000	535	5500	125	6500	420
5	8200	730	8200	730	7600	670	6400	560	4500	125	5000	440
6	7000	750	7000	750	6400	690	5300	575	3700	135	4200	450
8	5200	740	5200	740	4800	680	4000	565	2800	135	3200	460
10	4200	730	4200	730	3800	670	3200	560	2200	135	2500	435
12	3500	730	3500	730	3200	670	2650	560	1850	135	2100	435
14	3000	680	3000	680	2700	630	2300	525	1600	125	1800	410
16	2600	680	2600	680	2400	630	2000	525	1400	120	1600	410
18	2300	670	2300	670	2100	620	1800	515	1250	105	1400	405
20	2050	670	2050	670	1900	620	1600	515	1100	105	1250	405

### DG-2-ES

被削材 Work Piece	铸铁/球墨铸铁 Cast Iron/Bal Cast Iron		碳素钢/合金钢 Carbon Steel/Alloy Steel 750N/mm <sup>2</sup>		碳素钢/合金钢 Carbon Steel/Alloy Steel ~30HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~40HRC		不锈钢 Stainless Steel	
	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min
0.3	32000	115	32000	115	32000	115	32000	80	32000	40
0.4	32000	125	32000	125	32000	125	32000	90	27500	50
0.5	32000	125	32000	125	29500	125	25000	90	22000	50
0.6	32000	125	32000	125	24500	125	21000	90	18500	50
0.7	32000	125	32000	125	24500	125	21000	90	18500	50
0.8	24500	125	24500	125	18500	125	15500	90	13500	50
0.9	24500	125	24500	125	18500	125	15500	90	13500	50
1.0	21000	140	25000	165	16800	130	14500	90	10000	50
1.5	13000	140	15000	165	11800	130	10000	90	7000	50
2.0	13000	160	15000	185	11800	145	10000	100	7000	60
2.5	8700	200	10000	240	8200	185	6600	100	4700	60
3.0	8700	235	10000	270	8200	220	6600	100	4700	75

### DG-2-B & DG-2-BL

被削材 Work Piece	铸铁/球墨铸铁 Cast Iron/Bal Cast Iron		碳素钢/合金钢 Carbon Steel/Alloy Steel 750N/mm <sup>2</sup>		碳素钢/合金钢 Carbon Steel/Alloy Steel ~30HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~40HRC		不锈钢 Stainless Steel		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~50HRC	
	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min
R0.5	40000	800	40000	800	38000	700	32000	320	22300	200	25000	275
R1.0	24000	900	24000	900	19000	760	16000	400	11150	230	13000	275
R1.5	15500	950	15500	950	12750	760	10600	450	7400	290	8500	280
R2.0	11500	950	11500	950	9550	760	8000	550	5550	370	6500	370
R2.5	9500	1050	9500	1050	7650	800	6400	550	4450	370	5000	375
R3.0	8000	1050	8000	1050	6400	800	5300	580	3700	390	4200	390
R4.0	6000	1300	6000	1300	4800	950	4000	700	2750	455	3200	440
R5.0	4800	1200	4800	1200	3800	900	3200	650	2200	430	2500	440
R6.0	4000	1100	4000	1100	3200	840	2650	610	1850	430	2100	420
R8.0	3000	1050	3000	1050	2400	800	2000	600	1350	380	1600	375
R10.0	2400	950	2400	950	1900	680	1600	560	1100	370	1250	330

### DG-4-B

被削材 Work Piece	铸铁/球墨铸铁 Cast Iron/Bal Cast Iron		碳素钢/合金钢 Carbon Steel/Alloy Steel 750N/mm <sup>2</sup>		碳素钢/合金钢 Carbon Steel/Alloy Steel ~30HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~40HRC		不锈钢 Stainless Steel		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~40HRC	
	150m/min		150m/min		150m/min		150m/min		150m/min		150m/min	
	D mm	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>
R1.5												
R2.0	11500	1710	11500	1710	9550	1340	8000	990	5550	660	6500	665
R2.5	9500	1890	9500	1890	7650	1440	6400	990	4450	660	5000	675
R3.0	8000	1890	8000	1890	6400	1440	5300	1040	3700	700	4200	700
R4.0	6000	2340	6000	2340	4800	1710	4000	1260	2750	820	3200	790
R5.0	4800	2160	4800	2160	3800	1620	3200	1170	2200	770	2500	790
R6.0	4000	1980	4000	1980	3200	1510	2650	1100	1850	770	2100	755
R8.0	3000	1890	3000	1890	2400	1440	2000	1080	1350	680	1600	675
R10.0	2400	1710	2400	1710	1900	1220	1600	1000	1100	660	1250	595

### DG-2-BS

被削材 Work Piece	铸铁/球墨铸铁 Cast Iron/Bal Cast Iron		碳素钢/合金钢 Carbon Steel/Alloy Steel 750N/mm <sup>2</sup>		碳素钢/合金钢 Carbon Steel/Alloy Steel ~30HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~40HRC		不锈钢 Stainless Steel		
	D mm	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min
R0.2	32000	380	32000	380	32000	320	32000	300	32000	175	
R0.25	32000	460	32000	460	32000	410	32000	330	32000	205	
R0.3	32000	535	32000	535	32000	500	32000	420	32000	265	
R0.35	32000	550	32000	550	32000	520	32000	440	32000	270	
R0.4	32000	610	32000	610	32000	560	32000	460	27500	285	
R0.45	32000	700	32000	700	32000	600	25000	400	27500	285	
R0.50	32000	765	32000	765	32000	640	25000	400	22000	285	
R1.0	24000	900	24000	900	19000	760	16000	400	11150	230	
R1.5	15500	950	15500	950	12750	760	10600	450	7400	290	

### DG-2-BP

被削材 Work Piece	有效长度 Length	碳素钢/合金钢 Carbon Steel/Alloy Steel 750N/mm <sup>2</sup>				碳素钢/合金钢 Carbon Steel/Alloy Steel ~ 30HRC				预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 40HRC				不锈钢 Stainless Steel			
		回转数 No Load RPM	进给速度 Feed Speed	ae	ap	回转数 No Load RPM	进给速度 Feed Speed	ae	ap	回转数 No Load RPM	进给速度 Feed Speed	ae	ap	回转数 No Load RPM	进给速度 Feed Speed	ae	ap
R0.25	4	27000	400	0.025	0.02	27000	380	0.025	0.02	27000	300	0.025	0.02	27000	200	0.025	0.02
R0.25	6	21000	200	0.015	0.01	21000	180	0.015	0.01	21000	160	0.015	0.01	21000	150	0.015	0.01
R0.3	4	27000	400	0.12	0.03	27000	380	0.12	0.03	25000	250	0.12	0.03	24000	200	0.12	0.03
R0.3	6	25000	300	0.12	0.03	25000	280	0.12	0.03	20000	150	0.12	0.03	20000	140	0.12	0.03
R0.3	8	25000	240	0.12	0.03	25000	225	0.12	0.03	20000	120	0.12	0.03	20000	110	0.12	0.03
R0.4	4	27000	600	0.16	0.04	27000	550	0.16	0.04	23000	450	0.16	0.04	21000	300	0.16	0.04
R0.4	6	24000	400	0.12	0.04	24000	360	0.12	0.04	21000	250	0.12	0.04	19000	200	0.12	0.04
R0.4	8	22000	300	0.12	0.04	22000	270	0.12	0.04	19000	150	0.12	0.04	19000	140	0.12	0.04
R0.4	10	22000	270	0.09	0.03	22000	250	0.09	0.03	19000	135	0.09	0.03	19000	120	0.09	0.03
R0.5	4	28000	600	0.20	0.05	28000	550	0.20	0.05	25000	500	0.20	0.05	21000	300	0.20	0.05
R0.5	6	21000	400	0.20	0.05	21000	360	0.20	0.05	19000	300	0.20	0.05	16000	200	0.20	0.05
R0.5	8	21000	360	0.15	0.05	21000	320	0.15	0.05	19000	270	0.15	0.05	16000	180	0.15	0.05
R0.5	10	18000	300	0.10	0.03	18000	270	0.10	0.03	17000	200	0.10	0.03	14000	150	0.10	0.03
R0.5	12	18000	270	0.10	0.03	18000	250	0.10	0.03	17000	180	0.10	0.03	14000	135	0.10	0.03
R0.6	6	20000	600	0.24	0.06	20000	540	0.24	0.06	17000	300	0.24	0.06	14000	200	0.24	0.06
R0.6	8	20000	540	0.24	0.06	20000	500	0.24	0.06	17000	270	0.24	0.06	14000	170	0.24	0.06
R0.6	12	16000	300	0.18	0.06	16000	270	0.18	0.06	14000	200	0.18	0.06	11000	150	0.18	0.06
R0.6	16	16000	270	0.12	0.03	16000	230	0.12	0.03	14000	175	0.12	0.03	11000	135	0.12	0.03
R0.75	8	17000	600	0.30	0.08	17000	540	0.30	0.08	15000	300	0.30	0.08	12000	250	0.30	0.08
R0.75	12	17000	540	0.24	0.06	17000	500	0.24	0.06	15000	275	0.24	0.06	12000	225	0.24	0.06
R0.75	16	13000	300	0.16	0.04	13000	275	0.16	0.04	12000	200	0.16	0.04	9500	150	0.16	0.04
R1.0	6	16500	800	0.40	0.10	16500	750	0.40	0.10	16500	560	0.40	0.10	13500	450	0.40	0.10
R1.0	8	16500	800	0.32	0.10	16500	750	0.32	0.10	16500	560	0.32	0.10	13500	450	0.32	0.10
R1.0	10	14000	630	0.30	0.08	14000	600	0.30	0.08	13000	450	0.30	0.08	10000	270	0.30	0.08
R1.0	12	14000	630	0.30	0.06	14000	600	0.30	0.06	13000	450	0.30	0.06	10000	270	0.30	0.06
R1.0	16	14000	550	0.24	0.06	14000	530	0.24	0.06	13000	400	0.24	0.06	10000	270	0.24	0.06
R1.0	20	14000	360	0.16	0.06	14000	330	0.16	0.06	10000	225	0.16	0.06	8000	175	0.16	0.06
R1.25	8	14000	800	0.10	0.32	14000	750	0.10	0.32	14000	560	0.10	0.32	12500	450	0.10	0.32
R1.25	12	13000	630	0.06	0.30	13000	600	0.06	0.30	12000	450	0.06	0.30	10000	270	0.06	0.30
R1.25	16	13000	550	0.06	0.24	13000	530	0.06	0.24	12000	400	0.06	0.24	10000	270	0.06	0.24
R1.25	20	10000	360	0.06	0.16	10000	330	0.06	0.16	8000	225	0.06	0.16	7000	175	0.06	0.16
R1.5	10	12000	800	0.15	0.40	12000	720	0.15	0.40	9500	600	0.15	0.40	7500	400	0.15	0.40
R1.5	12	12000	720	0.15	0.40	12000	650	0.15	0.40	9500	540	0.15	0.40	7500	360	0.15	0.40
R1.5	16	10000	600	0.15	0.40	10000	540	0.15	0.40	8500	300	0.15	0.40	6500	250	0.15	0.40
R1.5	20	10000	600	0.10	0.32	10000	540	0.10	0.32	8500	300	0.10	0.32	6500	250	0.10	0.32
R2.0	10	9000	800	0.20	0.80	9000	720	0.20	0.80	7500	600	0.20	0.80	6000	400	0.20	0.80
R2.0	16	9000	800	0.20	0.60	9000	720	0.20	0.60	7500	600	0.20	0.60	6000	400	0.20	0.60

### DG-2-BP

被削材 Work Piece	有效长度 Length	碳素钢/合金钢 Carbon Steel/Alloy Steel 750N/mm <sup>2</sup>				碳素钢/合金钢 Carbon Steel/Alloy Steel ~ 30HRC				预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 40HRC				不锈钢 Stainless Steel			
		回转数 No Load RPM	进给速度 Feed Speed	ae	ap	回转数 No Load RPM	进给速度 Feed Speed	ae	ap	回转数 No Load RPM	进给速度 Feed Speed	ae	ap	回转数 No Load RPM	进给速度 Feed Speed	ae	ap
R2.0	20	7000	600	0.20	0.40	7000	540	0.20	0.40	6000	400	0.20	0.40	5000	250	0.20	0.40
R2.0	25	7000	600	0.15	0.40	7000	540	0.15	0.40	6000	400	0.15	0.40	5000	250	0.15	0.40
R2.5	16	7000	600	0.25	1.00	7000	540	0.25	0.10	6500	500	0.25	1.00	5000	400	0.25	1.00
R2.5	25	6000	500	0.25	1.00	6000	450	0.25	1.00	5000	500	0.25	1.00	4000	250	0.25	1.00

### DG-2-R

被削材 Work Piece	D mm	铸铁/球墨铸铁 Cast Iron/Ball Cast Iron		碳素钢/合金钢 Carbon Steel/Alloy Steel 750N/mm <sup>2</sup>		碳素钢/合金钢 Carbon Steel/Alloy Steel ~ 30HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 40HRC		不锈钢 Stainless Steel		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 50HRC	
		回转数 No Load RPM	进给速度 Feed Speed	回转数 No Load RPM	进给速度 Feed Speed	回转数 No Load RPM	进给速度 Feed Speed	回转数 No Load RPM	进给速度 Feed Speed	回转数 No Load RPM	进给速度 Feed Speed	回转数 No Load RPM	进给速度 Feed Speed
1	20000	200	20000	200	20000	160	20000	160	20000	60	20000	120	
2	15000	320	15000	320	15000	290	15000	280	11150	84	13000	180	
3	14000	545	14000	545	13000	510	10600	420	7500	120	8500	330	
4	10800	560	10800	560	10000	520	8000	430	5500	130	6500	335	
5	8200	580	8200	580	7600	540	6400	450	4500	130	5000	355	
6	7000	600	7000	600	6400	550	5300	460	3700	140	4200	360	
8	5200	600	5200	600	4800	550	4000	460	2800	140	3200	365	
10	4200	580	4200	580	3800	540	3200	445	2200	140	2500	350	
12	3500	580	3500	580	3200	540	2650	445	1850	140	2100	350	

### DG-4-R & DG-4-RL

被削材 Work Piece	D mm	铸铁/球墨铸铁 Cast Iron/Ball Cast Iron		碳素钢/合金钢 Carbon Steel/Alloy Steel 750N/mm <sup>2</sup>		碳素钢/合金钢 Carbon Steel/Alloy Steel ~ 30HRC		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 40HRC		不锈钢 Stainless Steel		预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~ 50HRC	
		回转数 No Load RPM	进给速度 Feed Speed	回转数 No Load RPM	进给速度 Feed Speed	回转数 No Load RPM	进给速度 Feed Speed	回转数 No Load RPM	进给速度 Feed Speed	回转数 No Load RPM	进给速度 Feed Speed	回转数 No Load RPM	进给速度 Feed Speed
3	14000	820	14000	820	13000	755	10600	630	7500	145	8500	490	
4	10800	840	10800	840	10000	770	8000	640	5500	145	6500	500	
5	8200	880	8200	880	7600	810	6400	670	4500	145	5000	530	
6	7000	900	7000	900	6400	830	5300	690	3700	160	4200	540	
8	5200	890	5200	890	4800	815	4000	680	2800	160	3200	550	
10	4200	880	4200	880	3800	810	3200	670	2200	160	2500	520	
12	3500	880	3500	880	3200	810	2650	670	1850	160	2100	520	
16	2600	680	2600	680	2400	630	2000	525	1400	120	1600	490	

## DH-4-E & DH-4-EL

被削材 Work Piece	预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~40-50HRC		淬硬钢 Hardened Steel ~50~60HRC		淬硬钢 Hardened Steel ~60~68HRC	
	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min
1	40000	320	40000	320	32000	260
2	40000	800	24000	480	16000	320
3	32000	1020	16000	510	11000	350
4	24000	1250	12000	620	8000	420
5	19000	1360	9500	680	6400	460
6	16000	1540	8000	770	5300	510
8	12000	1540	6000	770	4000	510
10	9600	1540	4800	770	3200	510
12	8000	1600	4000	800	2700	540
14	6800	1340	3400	680	2300	460
16	6000	1200	3000	600	2000	400
18	5300	1060	2700	530	1800	360
20	4800	960	2400	480	1600	320

## DH-2-B & DH-2-BL

被削材 Work Piece	预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~40-50HRC				淬硬钢 Hardened Steel ~50~60HRC				淬硬钢 Hardened Steel ~60~68HRC			
	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	ae mm	ap mm	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	ae mm	ap mm	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	ae mm	ap mm
R0.5	40000	1900	0.05	0.01	36000	1500	0.05	0.01	32000	1400	0.05	0.01
R1.0	33000	3100	0.075	0.02	26000	2100	0.075	0.02	24000	2000	0.075	0.02
R1.5	29000	4100	0.1	0.03	23000	2900	0.1	0.03	21000	2600	0.1	0.03
R2.0	22000	3900	0.15	0.04	17000	2500	0.15	0.04	15500	2100	0.15	0.04
R2.5	17500	3500	0.15	0.05	13500	2200	0.15	0.05	13000	2000	0.15	0.05
R3.0	15000	3100	0.2	0.06	11500	1700	0.2	0.06	10500	1500	0.2	0.06
R4.0	11000	2500	0.25	0.08	8600	1600	0.25	0.08	8000	1400	0.25	0.08
R5.0	9000	2000	0.3	0.1	7000	1400	0.3	0.1	6000	1200	0.3	0.1
R6.0	7500	1800	0.35	0.1	5700	1300	0.35	0.1	5300	1200	0.35	0.1
R8.0	5500	1800	0.4	0.1	4300	1300	0.4	0.1	4000	1200	0.4	0.1
R10.0	4500	1800	0.5	0.1	3500	1300	0.5	0.1	3200	1200	0.5	0.1

## DH-4-R & DH-4-RF & DH-4-RP

被削材 Work Piece	预硬钢/调制钢 Pre-hardened Steel/Hardened Steel ~40-50HRC 300m/min		淬硬钢 Hardened Steel ~50~60HRC 150m/min		淬硬钢 Hardened Steel ~60~68HRC 100m/min	
	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min
3	32000	1225	16000	610	11000	420
4	24000	1500	12000	745	8000	500
5	19000	1630	9500	815	6400	550
6	16000	1850	8000	925	5300	610
8	12000	1850	6000	925	4000	610
10	9600	1850	4800	925	3200	610
12	8000	1920	4000	960	2700	648
16	6000	1440	3000	720	2000	480

## DL-2-E & DL-2-EL

被削材 Work Piece	铝合金 Aluminium Alloy			硅铝合金Si≤10% Titanium Alloy		
	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	进给速度 Feed Speed mm/min	回转数 No Load RPM min <sup>-1</sup>	进给速度 Feed Speed mm/min	进给速度 Feed Speed mm/min
1	40000	650	650	40000	500	500
2	40000	950	950	32000	750	750
3	26500	1500	1500	21000	1100	1100
4	20000	1600	1600	16000	1250	1250
5	16000	1500	1500	13000	1100	1100
6	13000	1250	1250	10600	1000	1000
8	10000	1400	1400	8000	1100	1100
10	8000	1600	1600	6500	1250	1250
12	6600	1650	1650	5300	1300	1300
14	5700	1700	1700	4600	1350	1350
16	5000	1700	1700	4000	1350	1350
18	4400	1700	1700	3500	1350	1350
20	4000	1700	1700	3200	1350	1350





# BORING

Insert Grades - Boring  
 镗孔刀片牌号一览表

工件材质 Work Piece	ISO	涂层 Coated		硬质合金 Carbide	金属陶瓷 Cermet	涂层金属陶瓷 Coated Cermet
		CVD	PVD			
P 钢	01				UMC10	
	10	QC1115				
	20	QC1125 QC1225	QP5125			
	30	QC1135	YP5120 DP1230			
	40					
M 不锈钢	01					MC215
	10		DP5015			
	20		QP5125 QP5225 YP5120			
	30					
	40					
K 铸铁	01			ND10		
	10	QC3115 QC3215				
	20		YP5120			
	30					
	40					
N 有色金属	01				NA10	
	10					
	20					
	30					
S 耐热合金、钛合金	01					
	10					
	20		QP5125 YP5120			
	30					
H 高硬度材料	01					
	10	QP7105				
	20		YP5120			
	30					

镗孔刀片  
 Boreing  
 切槽刀片  
 Grooving  
 普通刀片  
 Turning  
 铣刀片  
 Milling  
 镗刀片  
 Boring  
 刀片  
 Insert  
 刀片  
 Insert  
 刀片  
 Insert

# MILLING

Insert Grades - Milling  
铣削刀片牌号一览表

工件材质 Work Piece	ISO	涂层 Coated		硬质 合金 Carbide	金属 陶瓷 Cermet	涂层 金属 陶瓷 Coated Cermet
		CVD	PVD			
		P 钢	01			
	10		SP5330	DP1115		
	20	QC1025		SP5430	DP5120	UMC25
	30	QC1130	DC1125	DP5220	QP5125	
	40	QC1330	DC2130	QP5225	DP5230	
M 不锈钢	01		SP5310			
	10		SP5330	DP5120	YP5120	
	20	DC2130	SP5430	QP5225	YP5220	
	30		DP5220	DP5230	CP5220	
	40					
K 铸铁	01		SP5310			
	10		SP5330	DP5120	YP5120	
	20	DC1125	SP5430	QP5215	YP5120	
	30		DP5220	QP5225	CP5220	
	40					
N 有色金属	01					
	10					NA10
	20					
	30					
S 耐热合金、钛合金	01		SP5310			
	10		SP5330	DP5120	YP5120	
	20		SP5430	QP5225	YP5220	
	30					
H 高硬度材料	01		SP5310			
	10		SP5330	QP5125		
	20		SP5430			
	30					

# TURNING

Insert Grades - Turning  
车削刀片牌号一览表

工件材质 Work Piece	ISO	普通车削 Turning		硬质 合金 Carbide	螺纹 Threading		切断切槽 Parting-off/Grooving		
		涂层 Coated			涂层PVD PVD Coated	硬质 合金 Carbide	涂层 Coated		硬质 合金 Carbide
		CVD	PVD				CVD	PVD	
P 钢	01								
	10	QC1115				QP7105			
	20	QC1125			QP5120		NC1025	QC1125	DP5220
	30	QC1225			QP1120				DP5125
	40	QC1135	QP5125						QP5125
M 不锈钢	01								
	10					QP7105			
	20		QP5125		QP5120				NP2125
	30		QP5225						DP5220
	40								DP5125
K 铸铁	01								
	10					QP7105			
	20	QC3115			QP5120				QC3115
	30	QC3215							DP5220
	40								DP5125
N 有色金属	01								
	10			NA10					
	20						NA20		
	30								
S 耐热合金、钛合金	01					QP7105			
	10		QP5125						
	20						QA20		
	30								DP5125
H 高硬度材料	01					QP7105			
	10								
	20								
	30								

# TURNING

Table of chip breaker for turning insert - Negative  
车刀片断屑槽选型表-负角刀片

ISO	范畴 Machining	德克 DEREK	山特维克 SANDVIK	克洛伊 KORLOY	特固克 TaeguTec	瓦尔特 WALTER	山高 SECO	三菱 MITSUBISHI	住友 SUMITOMO	肯纳 KENAMETAL	戴杰 DIJET	日立 HITACHI	泰珂洛 TUNGALOY	京瓷 KYOCERA
P	精加工 Finish	FG	PF/MF	HF	FG	NS6	MF2	C/SA/SH	SU/LU/SX	LF/RN	PF/UR/UA/UT	BE/CE	NS/27/TS/AS	HQ/CQ
	半精加工 Half-finish	SG/MG/TM/MI	PM/QM/SM	HA/HC/HM	MC/ML/MP	NM4/NM6	MF3/M3/M5	MV/MA/MH	GU/UG/UX	MG/MN	PG/UB	AB/AI/AE	NM/ZM/TM/ DW/37	CJ/GS/PS/HS/ PY/CS
	粗加工 Rough	RG	PR	MT/MG	NM9	MR7	GH	MU/MX	RN	RN	UD/GG	AR/RE	TH	GT/HT
M	精加工 Finish	FB	MF	HA	FG/SF	NF4	FS	F S	SU	K/FP	SE	SS	SS	GU
	半精加工 Half-finish	MB/MI	MM	HS	ML/MP	NM4	MS/ES	EX/UP	P/MP	SF/SG	DE	SA/SM/S	SU/HU/ST	
	粗加工 Rough	MR	GR	GS/HM	MT/RH	NR4	M5/MR7/56/R6	GH/HZ	MP	RP				
K	精加工 Finish	KF	MA	FG	MA	MA			UZ	FN	Y	CM	C	
	半精加工 Half-finish	KM	HM	MC/MT/MG	MA/NM5				UX	UN	V	33	ZS/GC	
	粗加工 Rough	KR	GR/HR/GH	RT/RH	MA									
S	精加工 Finish	SF	NF4	MF1	FJ	FS/K								
	半精加工 Half-finish	NGP/23		M1	MJ	SU	NGP	SA						
	粗加工 Rough	SR	NR4	GJ	MS									

# TURNING

Table of chip breaker for turning insert - Positive  
车刀片断屑槽选型表-正角刀片

ISO	范畴 Machining	德克 DEREK	山特维克 SANDVIK	克洛伊 KORLOY	特固克 TaeguTec	瓦尔特 WALTER	山高 SECO	三菱 MITSUBISHI	住友 SUMITOMO	肯纳 KENAMETAL	戴杰 DIJET	日立 HITACHI	泰珂洛 TUNGALOY	京瓷 KYOCERA	
P	精加工 Finish	PHF	UF/PF	HFP	FA/FG	PF4	FF/FL	FV/SV	FP/LU/SU/SK	11/JF/LF	PJQ	OL/PE/FS	GP/MP/VE		
	半精加工 Half-finish	HM	UM/PM	HMP/C25	MT/CMX	PS5/PM5	F2	MV	MU	MF	FT	JE	PM/23/24	HQ/XQ/GK	
	精加工 Finish	HF	MF	HFP	FA/FG	PF4	SV					SS			
M	半精加工 Half-finish	HF	MM	HMP/C25	MT/CMX	PS5/PM5	MV								
	半精加工 Half-finish	HM/HR	KF/KM/KR	HMP/C25	MT/CMX	MW/PS5/PM5	FT								
	精/半精加工 Finish Half-finish			PF4/PS5/PM5											
N	-	AL	AL	TA/AK/MA	FL	PM2							ALU/ACB	PP	A3

# TURNING

Insert Grades - Turning (CVD Coating)  
车刀片牌号对比表-CVD涂层

类别	ISO	德克 DEREK	山特维克 SANDVIK	克洛伊 KORLOY	特固克 TaeguTec	瓦尔特 WALTER	山高 SECO	三菱 MITSUBISHI	住友 SUMITOMO	肯纳 KENAMETAL	戴杰 DILET	日立 HITACHI	泰珂洛 TUNGALOY	京瓷 KYOCERA	伊斯卡 ISCAR
P	01	GC4205			WAP01	TP1000	UE6005	AC840P	KCP05	JC110V	HC5000	T9005	CA5505	IC428	
		GC4005			TK1000	UE6105	AC700G	KC9105		HC8010			IC9150		
	QC1115	GC4215	NC310	TT1300	WAP10	TP1000	UE6050	AC810P	KCP10	JC110V	HC8010	T9005	CA5505	IC9150	
		GC4015	NC3015	TK1000	UE6110	AC700G	KC9110	JC215V	GM8015	T9015	CA5515	IC9015			
				TP2000	UE6010	AC2000	TN7005	GM10				IC8150			
				TK2000	UE6020	AC820P	TN7010								
					UC6010										
	QC1125	GC4015	NC3020	TT1500	WAP20	TP2000	UE6110	AC2000	KCP25	JC110V	HC8025	T9015	CA5515	IC9250	
	QC1225	GC4225		TK2000	UE6010	AC3000	KC9125	JC215V	GM8020	T9025	CA5525	IC9025			
	20	GC4025		TP2000	UE6020	AC830P	KC9225						CA5025	IC9054	
	GC4215			UC6010		TN7015						CR9025	IC8350		
	LC25														
	QC1135	GC4225	NC3030	TT3500	WAP30	TP3000	UE6035	AC3000	KCP30	JC215V	GM25	T9025	CA5525	IC8350	
	NC1025	GC4235		TT5100	TP300	UH6400	AC630M	KCP40	JC325V	T9035	CA5535	IC9350			
30	GC4025			US735	AC830P	KC8050						CR9025	IC656		
	GC4035			TN7015											
	GC2135														
	QC1135	GC4235		TT450	TP3000	UE6035	AC630M	KC9140	JC325V	GM8035	T9035	CA5535	IC9350		
	GC4035			TP400	UH6400			KC9040	JC450V	GX30			IC635		
40	GC235			TP40	US735			KC9240							
					KX9245										
					TN7035										
					TPC35										

# TURNING

Insert Grades - Turning (CVD Coating)  
车刀片牌号对比表-CVD涂层

类别	ISO	德克 DEREK	山特维克 SANDVIK	克洛伊 KORLOY	特固克 TaeguTec	瓦尔特 WALTER	山高 SECO	三菱 MITSUBISHI	住友 SUMITOMO	肯纳 KENAMETAL	戴杰 DILET	日立 HITACHI	泰珂洛 TUNGALOY	京瓷 KYOCERA	伊斯卡 ISCAR
M	10	GC2015			WAM10	TP200	US7020	AC610M	KCM15	JC110V	GM10	T9015	CA6515	IC9250	
						TN7010							CA6015		
	GC2025	NC9020		TT2500	WAM20	TP200	US7020	AC610M	KC9225	JC110V	GM8020	T6020	CA6525	IC9250	
					AC630M	TN7015	JC215V	T9025	CA6015	IC9025					
		GC2135	NC330	TT3500	WAM30	TP300	US735	AC630M	KCM25	JC215V	HC8025	T6030	IC9350		
	30	GC235			TP400	KC8050	JC325V	GM25					IC9025		
					TP40	TN8025									
		GC2025			T5100	TP400	US735	AC630M	KCM35	JC325V	GX30			IC656	
						TP40	KC9240	JC450V						IC635	
						KC9245								IC9350	
					TPC35										
K	01	GC3205			TK1000	UC5105	AC300G	KCK05	JC105V	GM3005	T5010	CA4010	IC9150		
		GC3210				UC5015	AC410K					CA4505			
	QC3115	GC3205	N305K	TT1300	WAK10	TK1000	UC5115	AC410K	KCK15	JC110V	HC8010	T5010	CA4515	IC9150	
	QC3215	GC3210		TK2000	UE6110	AC700G	KCK20	GM8015	CA4010	IC9015					
	10	GC3015			AC420K	KC9315							CA4115	IC4040	
						KC9110								IC418	
						TN5015								IC428	
	GC3215	N315K		TK2000	UC5115	AC700G	KCK20	HC8025	T5020	CA4120	IC9015				
	20			TP200	AC820P	KC9320	JC215V	GM8020							
						TN5020									

# MILLING

Insert Grades - Turning (CVD Coating)  
铣刀片牌号对比表-CVD涂层

类别	ISO	德克 DEREK	山特维克 SANDVIK	克洛伊 KORLOY	特固克 TaeguTec	瓦尔特 WELTER	山高 SECO	三菱 MITSUBISHI	住友 SUMITOMO	肯纳 KENAMETAL	戴杰 DLET	日立 HITACHI	泰珂洛 TUNGALOY	京瓷 KYOCERA	伊斯卡 ISCAR
P	01								ACP100	TN2510	JC730U				IC9080
	10									TN25M					IC4100
	20	QC1025	GC4020		WAP25	T200M	FH7020	ACP100	FN7525	JC730U					IC520M
		DC1125	GC4220			T250M	F7030								
M	30	QC1030	GC4030	NCM335	TT7300	T250M	F7030	AC230	AC230	KC930M			T3030		IC4050
		QC1330	GC4230			T350M									
	40		GC4240			T29M		AC230							
			GC4040												
K	01									TN25M					IC9080
	10	QC3115		NCM310	WAK15	T350M	F7030	MC5020	ACK200	TN5505	JC600		T1015	CA420M	IC4100
		EC3115				T25M		F5010	AC211	TN5515					
	30	GC3220	NCM320		WAK25	T150M	MC5020	ACK200	KC915M	JC610			T1015	CA420M	IC520M
P	30	GC3020				T200M	F5020			TN5520					IC5100
		K20D													IC9150
		K20W													
	40	GC3040				T200M		KC930M	JC610						IC4050
							KC935M							IC520M	

# TURNING

Insert Grades - Turning (PVD Coating)  
车刀片牌号对比表-PVD涂层

类别	ISO	德克 DEREK	山特维克 SANDVIK	克洛伊 KORLOY	特固克 TaeguTec	瓦尔特 WELTER	山高 SECO	三菱 MITSUBISHI	住友 SUMITOMO	肯纳 KENAMETAL	戴杰 DLET	日立 HITACHI	泰珂洛 TUNGALOY	京瓷 KYOCERA	伊斯卡 ISCAR
P	01	QP7105									JC5003				PR915
															FR1005
	10	QP7105	GC1525		WSM10	CP200	VP10MF	KC5010	JC5003			AH710	PR915	IC290	IC507
			GC1025			TS2000		KC5510					PR930	PR930	IC570
P										KU10T					FR1025
															FR1115
	20	QP5125	GC1525	PC230	TT9020	WSM20	VP15TF	KC5025	JC5015			AH710	PR630	IC908	IC928
		YP5120	GC1020		WSM21	TS2500	VP20MF	KU25T				AH330	PR915	IC928	IC1008
P		QP1120	GC1025												PR930
		QP5120	GC1125												PR660
		DP5220													PR1025
															PR1225
P		YP5120	GC1025	TT9020	WSM30	CP500	VP15TF	KC7015	JC5015			GH330	PR630	IC928	IC928
		DP1230	GC1125	TT8020			VP20MF	KC7020				GH730	PR660	IC1008	IC1008
	30	DP5125						KC7235				AH120		IC1028	IC1028
												AH330		IC3028	IC3028
P												AH740			
			GC1020	PC240	TT9020	CP500	VP15TF	KC7040				AH120	PR660	IC928	IC928
	40	GC2145		TT8020			VP20MF							IC1008	IC1008
															IC1028

# TURNING

Insert Grades - Turning (PVD Coating)  
车刀片牌号对比表-PVD涂层

类别	ISO	德克 DEREK	山特维克 SANDVIK	克洛伊 KORLOY	特固克 TaeguTec	瓦尔特 WELTER	山高 SECO	三菱 MITSUBISHI	住友 SUMITOMO	肯纳 KENAMETAL	戴杰 DILET	日立 HITACHI	泰珂洛 TUNGALOY	京瓷 KYOCERA	伊斯卡 ISCAR	
M	01	QP7105			TT5080						JC5003			PR915		
														PR1025		
	10	DP5015	GC1005		TT5080	WSM10	CP200	VP10MF	AC510N	AC5010	KC5010	JC5003		PR915	IC330	
		QP7105	GC1025		TS2000					KC5510				PR930	IC354	
	20		GC1125											PR1125	IC507	
												JC5015		PR1225	IC907	
	30	QP5120	GC4125		TT9080	TS2500				KC5525				PR930	IC354	
		QP5120													IC3028	
	40	DP5220														
												JC5015				
30	YP5120	GC1020	PC9030	TT9020	WSM30	CP500	VP15TF	AC520U	AC5025	KC5015	JC5015		AH120	PR630	IC908	
	NP2125	GC2035		TT9080			VP20MF	AC530U	AC5525	KC5525			PR660	IC928		
40	DP5125			TT8020											IC1008	
								AC530U					PR660	IC228		
		GC2145		TT8020											IC328	

# TURNING

Insert Grades - Turning (PVD Coating)  
车刀片牌号对比表-PVD涂层

类别	ISO	德克 DEREK	山特维克 SANDVIK	克洛伊 KORLOY	特固克 TaeguTec	瓦尔特 WELTER	山高 SECO	三菱 MITSUBISHI	住友 SUMITOMO	肯纳 KENAMETAL	戴杰 DILET	日立 HITACHI	泰珂洛 TUNGALOY	京瓷 KYOCERA	伊斯卡 ISCAR
K	01	QP7105							EH10Z		JC5003		AH110		
	10	QP7105		PC205K		CP200			EH10Z	KC5010	JC5003		GH110		IC350
					TS2000					KC5510	JC5015		AH110		
	20	YP5120	GC1020	PC215K	CP200	VP10RT	EH20Z	VP10RT	EH20Z	KC7015	JC5015		AH120		IC928
		QP5120			CP250	VP15TF		VP15TF		KC7020					IC1008
	30	DP5220				VP20RT									IC908
															IC22
	40	YP5120			CP500	VP15TF				KC7225					IC928
		DP5125													IC1008
50														IC908	
														IC22	
01	QP7105	GC1105		TT5080	VP05RT					JC5003		AH110	PR915	IC507	
	QP7105	GC1005		TT5080	WSM10	CP200	VP05RT	AC510U	KC5410	JC5015		AH120	PR915	IC903	
10		GC1025		CP250			VP10RT		KC5010				PR1125		
		GC1125													
20	QP5125	GC4125		TT5080	WSM20	CP250	VP10RT	AC510U	KC5025				PR915	IC300	
	YP5120			TT9080	WSM21	CP500	VP15TF	AC520U	KC5525					IC808	
30		GC2145		TT8020										IC928	

# MILLING

Insert Grades - Milling (PVD Coating)  
铣刀片牌号对比表-PVD涂层

类别	ISO	德克 DEREK	山特维克 SANDVIK	克洛伊 KORLOY	特固克 TaeguTec	瓦尔特 WELTER	山高 SECO	三菱 MITSUBISHI	住友 SUMITOMO	肯纳 KENNAMETAL	戴杰 DILET	日立 HITACHI	泰珂洛 TUNGALOY	京瓷 KYOCERA	伊斯卡 ISCAR
P	01							ACP100	AC100	JC5003	PTH08M				
												PCA08M			
												PCS08M			
												TB6005			
												JX1005			
													CY9020	PR730	IC250
												PCA12M		PR830	IC903
													TB6005	PR1025	IC950
												JX1020		PR1225	
												PC20M			
M	10														
N	20														
S	30														
H	40														

# MILLING

Insert Grades - Milling (PVD Coating)  
铣刀片牌号对比表-PVD涂层

类别	ISO	德克 DEREK	山特维克 SANDVIK	克洛伊 KORLOY	特固克 TaeguTec	瓦尔特 WELTER	山高 SECO	三菱 MITSUBISHI	住友 SUMITOMO	肯纳 KENNAMETAL	戴杰 DILET	日立 HITACHI	泰珂洛 TUNGALOY	京瓷 KYOCERA	伊斯卡 ISCAR
P	01														
M	10														
N	20														
S	30														
H	40														

# MILLING

Insert Grades - Milling (PVD Coating)  
铣刀片牌号对比表-PVD涂层

类别	ISO	德克 DEREK	山特维克 SANDVIK	克洛伊 KORLOY	特固克 TaeguTec	瓦尔特 WELTER	山高 SECO	三菱 MITSUBISHI	住友 SUMITOMO	肯纳 KENNAMETAL	戴杰 DILET	日立 HITACHI	泰珂洛 TUNGALOY	京瓷 KYOCERA	伊斯卡 ISCAR
K	01										JC5003	PTH08M	AH110	PR510	PR510
												PCA08M		PR905	
												PCS08M			
	10	SP5310	GC1010	PC205K		WXH15			ACZ310	KC510M	JC5003	CY9020	AH110	PR510	IC900
							WXM15		ACK200			TB6005	GH110	PR905	IC910
												CY100H			
	20	QP5125	GC1010	PC205K	TT6030	MK2000	VP15TF	ACZ310	KC520M	JC5015	TB6020	AH120	PR510	IC910	
		SP5330/5430	GC1020				VP20RT	ACK200	KC528M		CY150		PR905	IC950	
		DP5120									PTH13S				
	30	EP/QP5125													
EP/QP5225															
YP5120															
		CP5220													
		SP5330/5430	GC1020		VP15TF	ACZ330	KC725M	JC5015	TB6045					IC908	
		DP5230			VP20RT	ACK300	KC735M		CY250					IC950	
		YP5120							PTH40H					IC928	

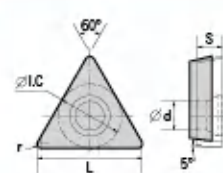
# MILLING

Insert Grades - Milling (PVD Coating)  
铣刀片牌号对比表-PVD涂层

类别	ISO	德克 DEREK	山特维克 SANDVIK	克洛伊 KORLOY	特固克 TaeguTec	瓦尔特 WELTER	山高 SECO	三菱 MITSUBISHI	住友 SUMITOMO	肯纳 KENNAMETAL	戴杰 DILET	日立 HITACHI	泰珂洛 TUNGALOY	京瓷 KYOCERA	伊斯卡 ISCAR
S	01	SP5310									JC5003				
		QP5125	GC1025		TT6030	VP15TF	EH520Z	KC510M	JC5015	PCS08M	AH120	PR660	IC908		
		QP5125	GC1025		TT8020	WXM35	VP15TF	EH520Z	KC522M	CY100H		PR660	IC908		
			SP5330/5430						EH20Z	KC525M					
			EP/QP5225												
			YP5120												
			YP5220												
			SP5330/5430	GC2030		TT8030	F40M	ACK300	KC725M					PR660	IC328
			DP5230	S30T		TT9030									IC928
			YP5120												
		YP5220													
H	01										JC5003				IC903
		QP5125	GC1010		WXH15	MH1000	VP15TF	KC635M	JC5015	PTH08M				IC900	
		SP5310	GC1090			F15M			PCA08M						
			QP5125	GC1010		WXP45	F15M	VP15TF	KC635M						IC1008
			SP5330/5430												IC808
			EP/QP5125												
			YP5120												
			SP5330/5430	GC1030		F30M	KC530M								IC1008
			YP5120				MP3000								IC908

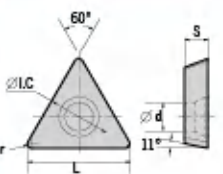
# TBGT/TPGH/TPGX

Insert Grades - Boring  
镗孔刀片牌号一览表



工件材料 Work Piece	P钢	●	●	●	⊛	●	●	●	⊛									●
	M不锈钢					●	●	●	●									●
	K铸铁									●	●	●	●	●	●	●	●	
	N有色金属																	●
	S耐热合金								●	●								
	H高硬度材料										●							

刀片外形 Shape	型号 Specification	尺寸 Size		刀片牌号 Insert Grade															
		L	φ1.C	QC1115	QC1125	QC1225	QC1135	DP5015	QP5125	QP5225	YP5120	DP1230	QC3115	QC3215	NA10	ND10	LMC10	MC215	
精加工 Finish	TBGT060102L	64	3.97	159	23	0.2									●			▲	▲
	TBGT060104L	64	3.97	159	23	0.4									○			▲	▲



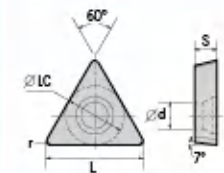
工件材料 Work Piece	P钢	●	●	●	⊛	●	●	●	⊛									●
	M不锈钢					●	●	●	●									●
	K铸铁									●	●	●	●	●	●	●	●	
	N有色金属																	●
	S耐热合金								●	●								
	H高硬度材料										●							

刀片外形 Shape	型号 Specification	尺寸 Size		刀片牌号 Insert Grade															
		L	φ1.C	QC1115	QC1125	QC1225	QC1135	DP5015	QP5125	QP5225	YP5120	DP1230	QC3115	QC3215	NA10	ND10	LMC10	MC215	
精加工 Finish	TPGH080202L	8	4.76	238	23	0.2									●			▲	
	TPGH080204L	8	4.76	238	23	0.4									●			▲	
	TPGH090202L	9.6	5.56	238	3	0.2									●			▲	
	TPGH090204L	9.6	5.56	238	3	0.4									●			▲	
	TPGH10202L	11	6.35	318	3.3	0.2									●			▲	
	TPGH10204L	11	6.35	318	3.3	0.4									●			▲	
精加工 Finish	TPGX080202	8	4.76	238	23	0.2											●		
	TPGX080204	8	4.76	238	23	0.4											●		
	TPGX090202	9.6	5.56	238	3	0.2											●		
	TPGX090204	9.6	5.56	238	3	0.4											●		
	TPGX10304	11	6.35	318	3.3	0.4											●		

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ⊛ 断续加工首选 Interrupted ⊞ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# TCMT/TCGX/CCMT/CCGX

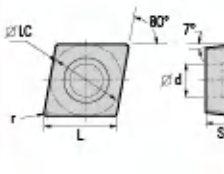
Insert Grades - Boring  
镗孔刀片牌号一览表



工件材料 Work Piece	P钢	●	●	●	⊛	●	●	●	⊛									●
	M不锈钢					●	●	●	●									●
	K铸铁									●	●	●	●	●	●	●	●	
	N有色金属																	●
	S耐热合金								●	●								
	H高硬度材料										●							

刀片外形 Shape	型号 Specification	尺寸 Size		刀片牌号 Insert Grade															
		L	φ1.C	QC1115	QC1125	QC1225	QC1135	DP5015	QP5125	QP5225	YP5120	DP1230	QC3115	QC3215	NA10	ND10	LMC10	MC215	
HF精加工 Finish	TCMT110204-HF	11	6.35	238	28	0.4												▲	●
	TCMT16T304-HF	16.5	9.525	397	4.4	0.4												▲	

刀片外形 Shape	型号 Specification	尺寸 Size		刀片牌号 Insert Grade															
		L	φ1.C	QC1115	QC1125	QC1225	QC1135	DP5015	QP5125	QP5225	YP5120	DP1230	QC3115	QC3215	NA10	ND10	LMC10	MC215	
AL专用 For aluminum	TCGX110204-AL	11	6.35	238	28	0.4												▲	
	TCGX110208-AL	11	6.35	238	28	0.8												○	
	TCGX16T304-AL	16.5	9.525	397	4.4	0.4												●	



工件材料 Work Piece	P钢	●	●	●	⊛	●	●	●	⊛									●
	M不锈钢					●	●	●	●									●
	K铸铁									●	●	●	●	●	●	●	●	
	N有色金属																	●
	S耐热合金								●	●								
	H高硬度材料										●							

刀片外形 Shape	型号 Specification	尺寸 Size		刀片牌号 Insert Grade															
		L	φ1.C	QC1115	QC1125	QC1225	QC1135	DP5015	QP5125	QP5225	YP5120	DP1230	QC3115	QC3215	NA10	ND10	LMC10	MC215	
HM半精加工 Half finish	CCMT060204-HM	6.4	6.35	238	28	0.4												▲	
	CCMT060208-HM	6.4	6.35	238	28	0.8												○	
	CCMT09T304-HM	9.7	9.525	397	4.4	0.4	●	▲										▲	
	CCMT09T308-HM	9.7	9.525	397	4.4	0.8	●	▲										▲	
	CCMT120404-HM	12.9	12.7	476	5.56	0.4												▲	
	CCMT120408-HM	12.9	12.7	476	5.56	0.8												▲	
HF精加工 Rough	CCMT120408-HR	12.9	12.7	476	5.56	0.8												○	
AL专用 For aluminum	CCGX060204-AL	6.4	6.35	238	28	0.4												▲	
	CCGX09T304-AL	9.7	9.525	397	4.4	0.4												▲	
	CCGX09T308-AL	9.7	9.525	397	4.4	0.8												▲	
	CCGX120408-AL	12.9	12.7	476	5.56	0.8												●	

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ⊛ 断续加工首选 Interrupted ⊞ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request







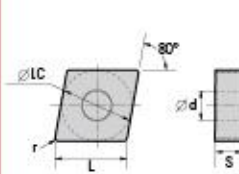






# CNMG/CNMA

Insert Grades - Turning  
车削刀片牌号一览表



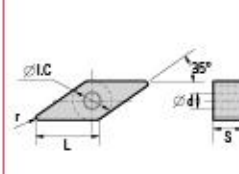
工件材料 Work Piece	P钢	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	M不锈钢	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	K铸铁	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	N有色金属	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	S耐热合金	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	H高硬度材料	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●

刀片外形 Shape	型号 Specification	尺寸 Size						刀片牌号 Insert Grade									
		L	φLC	S	φd	r	QC1115	QC1125	QC1225	QC1135	QP5125	QP5225	QC3115	QC3215	NA10		
半精加工 Half finish	CNMG120404	1129	127	4.76	5.16	0.4							▲				
	CNMG120408	129	127	4.76	5.16	0.8							▲				
	CNMG120412	129	127	4.76	5.16	1.2							●				
	CNMG160608	16.1	15.875	6.35	6.35	0.8							○				
粗精加工 Rough	CNMA120404	129	127	4.76	5.16	0.4							●				
	CNMA120408	129	127	4.76	5.16	0.8							▲				
	CNMA120412	129	127	4.76	5.16	1.2							▲				
	CNMA160612	16.1	15.875	6.35	6.35	1.2							○				
	CNMA190612	19.3	19.05	6.35	7.94	1.2							○				

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ⊛ 断续加工首选 Interrupted ⊞ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# DNMG

Insert Grades - Turning  
车削刀片牌号一览表



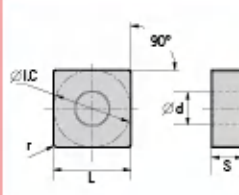
工件材料 Work Piece	P钢	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●
	M不锈钢	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●
	K铸铁	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●
	N有色金属	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●
	S耐热合金	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●
	H高硬度材料	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●

刀片外形 Shape	型号 Specification	尺寸 Size						刀片牌号 Insert Grade									
		L	φLC	S	φd	r	QC1115	QC1125	QC1225	QC1135	QP5125	QP5225	QC3115	QC3215	NA10		
FG精加工 Finish	DNMG150404-FG	155	127	4.76	4.76	0.4		●									
	DNMG150408-FG	155	127	4.76	4.76	0.8											
	DNMG150412-FG	155	127	4.76	4.76	1.2											
MG半精加工 Half finish	DNMG150604-MG	155	127	6.35	6.35	0.4											
	DNMG150608-MG	155	127	6.35	6.35	0.8											
	DNMG150612-MG	155	127	6.35	6.35	1.2											
	DNMG150612-MG	155	127	6.35	6.35	1.2							○				
MI半精加工 Half finish	DNMG150404-MI	155	127	4.76	4.76	0.4						▲					
	DNMG150408-MI	155	127	4.76	4.76	0.8						▲					
	DNMG150604-MI	155	127	6.35	6.35	0.4						●					
半精加工 Half finish	DNMG150608-MI	155	127	6.35	6.35	0.8						●					
	DNMG150404	155	127	4.76	4.76	0.4							▲				
	DNMG150408	155	127	4.76	4.76	0.8							▲				
半精加工 Half finish	DNMG150412	155	127	4.76	4.76	1.2							○				
	DNMG150604	155	127	6.35	6.35	0.4							●				
	DNMG150608	155	127	6.35	6.35	0.8							●				

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ⊛ 断续加工首选 Interrupted ⊞ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# SNMG/SNMA

Insert Grades - Turning  
车削刀片牌号一览表



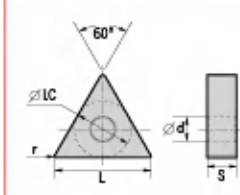
工件材料 Work Piece	P钢	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	M不锈钢	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	K铸铁	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	N有色金属	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	S耐热合金	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	H高硬度材料	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

刀片外形 Shape	型号 Specification	尺寸 Size					刀片牌号 Insert Grade													
		L	φC	S	φd	r	QC1115	QC1125	QC1225	QC1135	QP5125	QP5225	QC3115	QC3215	NA10					
		FG加工 Finish	SNMG120404-FG	127	127	4.76	5.16	0.4		○										
MG半精加工 Half-finish	SNMG120404-MG	127	127	4.76	5.16	0.4		●												
	SNMG120408-MG	127	127	4.76	5.16	0.8		●												
	SNMG120412-MG	127	127	4.76	5.16	1.2		○												
MB半精加工 Half-finish	SNMG150608-MG	15.875	15.875	6.35	6.35	0.8		○												
	SNMG190612-MG	19.05	19.05	6.35	7.94	1.2		○												
	SNMG190616-MG	19.05	19.05	6.35	7.94	1.6		○												
RG粗加工 Rough	SNMG120404-RG	127	127	4.76	5.16	0.4		●												
	SNMG120412-RG	127	127	4.76	5.16	1.2		○		●										
	SNMG150612-RG	15.875	15.875	6.35	6.35	1.2		○		○										
半精加工 Half-finish	SNMG120404	127	127	4.76	5.16	0.4							●							
	SNMG120408	127	127	4.76	5.16	0.8							●							
	SNMG120412	127	127	4.76	5.16	1.2							○							
精粗加工 Rough	SNMA120408	127	127	4.76	5.16	0.8							●							
	SNMA120412	127	127	4.76	5.16	1.2							●							

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ⊛ 断续加工首选 Interrupted ⊞ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# TNMG

Insert Grades - Turning  
车削刀片牌号一览表



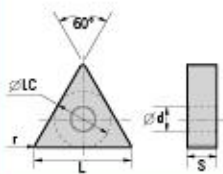
工件材料 Work Piece	P钢	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	M不锈钢	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	K铸铁	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	N有色金属	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	S耐热合金	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	H高硬度材料	●	●	●	⊛	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

刀片外形 Shape	型号 Specification	尺寸 Size					刀片牌号 Insert Grade													
		L	φC	S	φd	r	QC1115	QC1125	QC1225	QC1135	QP5125	QP5225	QC3115	QC3215	NA10					
		FG加工 Finish	TNMG160404-FG	165	9.525	4.76	3.81	0.4		●										
SG半精加工 Half-finish	TNMG160408-FG	165	9.525	4.76	3.81	0.8		●												
	TNMG160404-SG	165	9.525	4.76	3.81	0.4		●												
	TNMG160408-SG	165	9.525	4.76	3.81	0.8		●												
MG半精加工 Half-finish	TNMG220408-SG	22	12.7	4.76	5.16	0.8		●												
	TNMG160404-MG	165	9.525	4.76	3.81	0.4			▲	▲										
	TNMG160408-MG	165	9.525	4.76	3.81	0.8			▲	▲										
MB半精加工 Half-finish	TNMG160412-MG	165	9.525	4.76	3.81	1.2			●											
	TNMG220404-MG	22	12.7	4.76	5.16	0.4			●											
	TNMG220408-MG	22	12.7	4.76	5.16	0.8			●											
MI半精加工 Half-finish	TNMG220412-MG	22	12.7	4.76	5.16	1.2				○										
	TNMG160404-MB	165	9.525	4.76	3.81	0.4														
	TNMG160408-MB	165	9.525	4.76	3.81	0.8														
RG粗加工 Rough	TNMG160404-MI	165	9.525	4.76	3.81	0.4														
	TNMG160408-MI	165	9.525	4.76	3.81	0.8														
	TNMG160412-RG	165	9.525	4.76	3.81	1.2														
精粗加工 Rough	TNMG220416-RG	22	12.7	4.76	5.16	1.6														

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ⊛ 断续加工首选 Interrupted ⊞ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# TNMG/TNMA

Insert Grades - Turning  
车削刀片牌号一览表

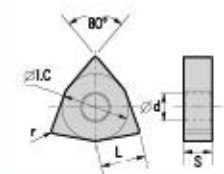


工件材料 Work Piece	P钢	●	●	●	⊛	●					
	M不锈钢					⊙	●				
	K铸铁							●	●		
	N有色金属									●	
	S耐热合金					⊙					
	H高硬度材料										

刀片外形 Shape	型号 Specification	尺寸 Size					刀片牌号 Insert Grade									
		L	φLC	S	φd	r	QC1115	QC1125	QC1225	QC1135	QP5125	QP5225	QC3115	QC3215	NA10	
半精加工 Half-finish	TNMG160404	16.5	9.525	4.76	3.81	0.4							▲			
	TNMG160408	16.5	9.525	4.76	3.81	0.8							▲			
	TNMG160412	16.5	9.525	4.76	3.81	1.2							○			
钢铁粗加工 Rough	TNMA160404	16.5	9.525	4.76	3.81	0.4							●			
	TNMA160408	16.5	9.525	4.76	3.81	0.8							●			
	TNMA160412	16.5	9.525	4.76	3.81	1.2							●			
	TNMA220412	22	12.7	4.76	5.16	1.2							○			
	TNMA220416	22	12.7	4.76	5.16	1.6							○			

# WNMG

Insert Grades - Turning  
车削刀片牌号一览表



工件材料 Work Piece	P钢	●	●	●	⊛	●					
	M不锈钢					⊙	●				
	K铸铁							●	●		
	N有色金属									●	
	S耐热合金					⊙					
	H高硬度材料										

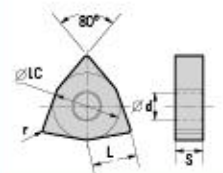
刀片外形 Shape	型号 Specification	尺寸 Size					刀片牌号 Insert Grade									
		L	φLC	S	φd	r	QC1115	QC1125	QC1225	QC1135	QP5125	QP5225	QC3115	QC3215	NA10	
FG精加工 Finish	WNMG080404-FG	8.7	12.7	4.76	5.16	0.4		○								
	WNMG080408-FG	8.7	12.7	4.76	5.16	0.8		○								
SG半精加工 Half-finish	WNMG080404-SG	8.7	12.7	4.76	5.16	0.4		●								
	WNMG080408-SG	8.7	12.7	4.76	5.16	0.8		●								
MG半精加工 Half-finish	WNMG080404-MG	8.7	12.7	4.76	5.16	0.4				▲						
	WNMG080408-MG	8.7	12.7	4.76	5.16	0.8	○	●	▲							
	WNMG080412-MG	8.7	12.7	4.76	5.16	1.2		●	●							
TM半精加工 Half-finish	WNMG080404-TM	8.7	12.7	4.76	5.16	0.4	○	●								
	WNMG080408-TM	8.7	12.7	4.76	5.16	0.8	○	●								
MB半精加工 Half-finish	WNMG080404-MB	8.7	12.7	4.76	5.16	0.4						▲				
	WNMG080408-MB	8.7	12.7	4.76	5.16	0.8						▲				
	WNMG080412-MB	8.7	12.7	4.76	5.16	1.2					○					
MI半精加工 Half-finish	WNMG080404-MI	8.7	12.7	4.76	5.16	0.4						▲				
	WNMG080408-MI	8.7	12.7	4.76	5.16	0.8						▲				
RG粗加工 Rough	WNMG080408-RG	8.7	12.7	4.76	5.16	0.8		●								
	WNMG080412-RG	8.7	12.7	4.76	5.16	1.2		●								

注: ● 连续加工首选 Continuous  
○ 连续加工备选 Continuous  
● 轻断续加工首选 Medium  
⊙ 轻断续加工备选 Medium  
⊛ 断续加工首选 Interrupted  
⊞ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock)  
● 可选牌号 Good (Instock)  
○ 按订单生产 On Request



注: ● 连续加工首选 Continuous  
○ 连续加工备选 Continuous  
● 轻断续加工首选 Medium  
⊙ 轻断续加工备选 Medium  
⊛ 断续加工首选 Interrupted  
⊞ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock)  
● 可选牌号 Good (Instock)  
○ 按订单生产 On Request

# WNMG/WNMA

Insert Grades - Turning  
车削刀片牌号一览表

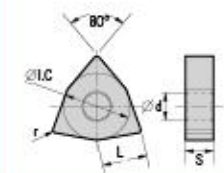


工件材料 Work Piece	P钢	●	●	●	✱	●						
	M不锈钢					⊕	●					
	K铸铁							●	●			
	N有色金属											●
	S耐热合金					⊕						
	H高硬度材料											

刀片外形 Shape	型号 Specification	尺寸 Size					刀片牌号 Insert Grade								
		L	φIC	S	φd	r	QC1115	QC1125	QC1225	QC1135	QP5125	QP5225	QC3115	QC3215	NA10
 半精加工 Half finish	WNMG080404	8.7	12.7	4.76	5.16	0.4							●		
	WNMG080408	8.7	12.7	4.76	5.16	0.8							●		
	WNMG080412	8.7	12.7	4.76	5.16	1.2							○		
 铸铁粗加工 Rough	WNMA080404	8.7	12.7	4.76	5.16	0.4							●		
	WNMA080408	8.7	12.7	4.76	5.16	0.8							●		
	WNMA080412	8.7	12.7	4.76	5.16	1.2							●		

# VNMG

Insert Grades - Turning  
车削刀片牌号一览表



工件材料 Work Piece	P钢	●	●	●	✱	●						
	M不锈钢					⊕	●					
	K铸铁							●	●			
	N有色金属											●
	S耐热合金					⊕						
	H高硬度材料											

刀片外形 Shape	型号 Specification	尺寸 Size					刀片牌号 Insert Grade								
		L	φIC	S	φd	r	QC1115	QC1125	QC1225	QC1135	QP5125	QP5225	QC3115	QC3215	NA10
 FG精加工 Finish	VNMG160404-FG	16.6	9.525	4.76	3.81	0.4		●							
	VNMG160404-MG	16.6	9.525	4.76	3.81	0.4		▲							
	VNMG160408-MG	16.6	9.525	4.76	3.81	0.8		▲							
 MG半精加工 Half finish	VNMG160412-MG	16.6	9.525	4.76	3.81	1.2		○	●						
	VNMG160404	16.6	9.525	4.76	3.81	0.4					●	●			
	VNMG160408	16.6	9.525	4.76	3.81	0.8					●	●			
 半精加工 Half finish	VNMG160412	16.6	9.525	4.76	3.81	1.2						○			

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ✱ 断续加工首选 Interrupted ⚙ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ✱ 断续加工首选 Interrupted ⚙ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# CCMT/CCGX

Insert Grades - Turning  
车削刀片牌号一览表



工件材料 Work Piece	P钢	●	●	●	⊗	●														
	M不锈钢					⊙	●													
	K铸铁								●	●										
	N有色金属																			●
	S耐热合金								⊙											
	H高硬度材料																			

刀片外形 Shape	型号 Specification	尺寸 Size					刀片牌号 Insert Grade													
		L	φIC	S	φd	r	QC1115	QC1125	QC1225	QC1135	QP5125	QP5225	QC3115	QC3215	NA10					
HF精加工 Finish	CCMT060202-HF	6.4	6.35	2.38	2.8	0.2						○								
	CCMT060204-HF	6.4	6.35	2.38	2.8	0.4		●				●	●							
	CCMT09T302-HF	9.7	9.525	3.97	4.4	0.2						○								
	CCMT09T304-HF	9.7	9.525	3.97	4.4	0.4		●												
HM半精加工 Half finish	CCMT060204-HM	6.4	6.35	2.38	2.8	0.4		▲				▲	▲							
	CCMT060208-HM	6.4	6.35	2.38	2.8	0.8		○				○								
	CCMT09T304-HM	9.7	9.525	3.97	4.4	0.4	●	▲				▲	▲							
	CCMT09T308-HM	9.7	9.525	3.97	4.4	0.8	●	▲				▲	▲							
	CCMT120404-HM	12.9	12.7	4.76	5.56	0.4		▲				▲	▲							
	CCMT120408-HM	12.9	12.7	4.76	5.56	0.8		▲				▲	▲							
HR粗加工 Rough	CCMT120408-HR	12.9	12.7	4.76	5.56	0.8								○						
AL专用 For aluminum	CCGX060202-AL	6.4	6.35	2.38	2.8	0.2														○
	CCGX060204-AL	6.4	6.35	2.38	2.8	0.4														▲
	CCGX09T302-AL	9.7	9.525	3.97	4.4	0.2														○
	CCGX09T304-AL	9.7	9.525	3.97	4.4	0.4														▲
	CCGX09T308-AL	9.7	9.525	3.97	4.4	0.8														▲
	CCGX120404-AL	12.9	12.7	4.76	5.56	0.4														▲
CCGX120408-AL	12.9	12.7	4.76	5.56	0.8														●	

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ⊙ 轻断续加工备选 Medium ⊗ 断续加工首选 Interrupted ⊕ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# DCMT/DCGX

Insert Grades - Turning  
车削刀片牌号一览表



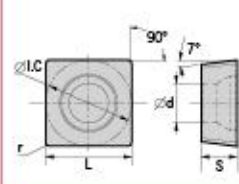
工件材料 Work Piece	P钢	●	●	●	⊗	●														
	M不锈钢					⊙	●													
	K铸铁								●	●										
	N有色金属																			●
	S耐热合金								⊙											
	H高硬度材料																			

刀片外形 Shape	型号 Specification	尺寸 Size					刀片牌号 Insert Grade													
		L	φIC	S	φd	r	QC1115	QC1125	QC1225	QC1135	QP5125	QP5225	QC3115	QC3215	NA10					
HF精加工 Finish	DCMT070202-HF	7.8	6.35	2.38	2.8	0.2		○												
	DCMT070204-HF	7.8	6.35	2.38	2.8	0.4		●				●	●	●						
	DCMT11T304-HF	11.6	9.525	3.97	4.4	0.4		▲				●	●							
HM半精加工 Half finish	DCMT070204-HM	7.8	6.35	2.38	2.8	0.4		●				●								
	DCMT070208-HM	7.8	6.35	2.38	2.8	0.8		○												
	DCMT11T304-HM	11.6	9.525	3.97	4.4	0.4		▲				▲	▲							
	DCMT11T308-HM	11.6	9.525	3.97	4.4	0.8		●				●	●							
AL专用 For aluminum	DCGX070202-AL	7.8	6.35	2.38	2.8	0.2														○
	DCGX070204-AL	7.8	6.35	2.38	2.8	0.4														●
	DCGX11T302-AL	11.6	9.525	3.97	4.4	0.2														●
	DCGX11T304-AL	11.6	9.525	3.97	4.4	0.4														▲
DCGX11T308-AL	11.6	9.525	3.97	4.4	0.8														○	

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ⊙ 轻断续加工备选 Medium ⊗ 断续加工首选 Interrupted ⊕ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# SCMT/SCGX

Insert Grades - Turning  
车削刀片牌号一览表



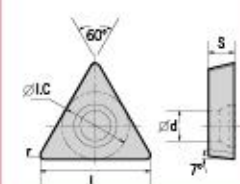
工件材料 Work Piece	P钢	●	●	●	⊛	●					
	M不锈钢					⊙	●				
	K铸铁							●	●		
	N有色金属									●	
	S耐热合金					⊙					
	H高硬度材料										

刀片外形 Shape	型号 Specification	尺寸 Size					刀片牌号 Insert Grade									
		L	ϕC	S	ϕd	r	QC1115	QC1125	QC1225	QC1135	QP5125	QP5225	QC3115	QC3215	NA10	
 HF精加工 Finish	SCMT09T304-HF	9.525	9.525	3.97	4.4	0.4		○								
	SCMT09T304-HM	9.525	9.525	3.97	4.4	0.4		○								
 HM半精加工 Half-finish	SCMT09T308-HM	9.525	9.525	3.97	4.4	0.8		○			○	○				
	SCMT120404-HM	12.7	12.7	4.76	5.56	0.4		▲			●	●				
	SCMT120408-HM	12.7	12.7	4.76	5.56	0.8		▲			●	●				
 AL专用 For aluminum	SCGX09T302-AL	9.525	9.525	3.97	4.4	0.2										○
	SCGX09T304-AL	9.525	9.525	3.97	4.4	0.4										●
	SCGX09T308-AL	9.525	9.525	3.97	4.4	0.8										○
	SCGX120404-AL	12.7	12.7	4.76	5.56	0.4										▲
	SCGX120408-AL	12.7	12.7	4.76	5.56	0.8										●

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ⊛ 断续加工首选 Interrupted ⊚ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# TCMT/TCGX

Insert Grades - Turning  
车削刀片牌号一览表



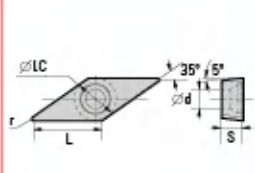
工件材料 Work Piece	P钢	●	●	●	⊛	●					
	M不锈钢					⊙	●				
	K铸铁							●	●		
	N有色金属									●	
	S耐热合金					⊙					
	H高硬度材料										

刀片外形 Shape	型号 Specification	尺寸 Size					刀片牌号 Insert Grade									
		L	ϕC	S	ϕd	r	QC1115	QC1125	QC1225	QC1135	QP5125	QP5225	QC3115	QC3215	NA10	
 HF精加工 Finish	TCMT110204-HF	11	6.35	2.38	2.8	0.4		▲				▲	▲	●		
	TCMT16T304-HF	16.5	9.525	3.97	4.4	0.4		▲								
 HM半精加工 Half-finish	TCMT110204-HM	11	6.35	2.38	2.8	0.4		▲			●	▲	▲			
	TCMT110208-HM	11	6.35	2.38	2.8	0.8		○			○	○				
	TCMT16T304-HM	16.5	9.525	3.97	4.4	0.4		▲				▲	▲			
	TCMT16T308-HM	16.5	9.525	3.97	4.4	0.8		▲				▲	▲			
 AL专用 For aluminum	TCGX110204-AL	11	6.35	2.38	2.8	0.4										▲
	TCGX110208-AL	11	6.35	2.38	2.8	0.8										○
	TCGX16T304-AL	16.5	9.525	3.97	4.4	0.4										●



注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ⊛ 断续加工首选 Interrupted ⊚ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

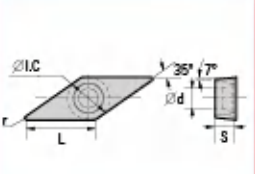
# VBMT

## Insert Grades - Turning 车削刀片牌号一览表




工件材料 Work Piece	P钢	●	●	●	✱	●					
	M不锈钢					ⓐ	●				
	K铸铁							●	●		
	N有色金属										●
	S耐热合金					ⓐ					
	H高硬度材料										

刀片外形 Shape	型号 Specification	尺寸 Size		刀片牌号 Insert Grade										
		L	φLC	QC1115	QC1125	QC1225	QC1135	QP5125	QP5225	QC3115	QC3215	NA10		
	VBMT160404	16.5	9.525	4.76	4.4	0.4		▲			▲			
	VBMT160408	16.5	9.525	4	4.4	0.8		●			●			
	VBMT160404-MI	16.5	9.525	4.76	4.4	0.4					▲			



工件材料 Work Piece	P钢	●	●	●	✱	●					
	M不锈钢					ⓐ	●				
	K铸铁							●	●		
	N有色金属										●
	S耐热合金					ⓐ					
	H高硬度材料										

刀片外形 Shape	型号 Specification	尺寸 Size		刀片牌号 Insert Grade									
		L	φLC	QC1115	QC1125	QC1225	QC1135	QP5125	QP5225	QC3115	QC3215	NA10	
	VCMT160404	16.6	9.525	4.76	4.4	0.4		●			●		


注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ✱ 断续加工首选 Interrupted ⓐ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# MGMN/ZT\*D

## Insert Grades - Grooving 槽刀片牌号一览表




工件材料 Work Piece	P钢	●	●	●	●	✱				
	M不锈钢				✱	ⓐ	●	ⓐ		
	K铸铁						●	✱	●	
	N有色金属									✱
	S耐热合金					ⓐ			ⓐ	
	H高硬度材料									

刀片外形 Shape	型号 Specification	尺寸 Size		刀片牌号 Insert Grade							
		b	r	NC1025	QC1125	NP2125	QP5125	DP5220	DP5125	QC3115	NA20
	MGMN150-G	15	0.15	16	1.2	35	●	●			●
	MGMN200-G	2	0.2	16	1.6	35	●	●			●
	MGMN250-G	25	0.2	18.5	2	38.5	●	●			●



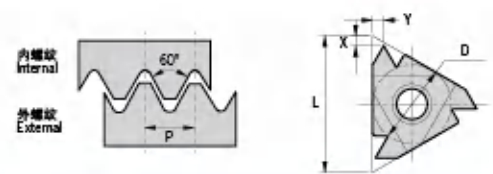
工件材料 Work Piece	P钢	●	●	●	●	✱				
	M不锈钢				✱	ⓐ	●	ⓐ		
	K铸铁						●	✱	●	
	N有色金属									✱
	S耐热合金					ⓐ			ⓐ	
	H高硬度材料									

刀片外形 Shape	型号 Specification	尺寸 Size		刀片牌号 Insert Grade								
		S <sup>+0.1</sup>	R <sub>±0.10</sub>	最大切深 La max	NC1025	QC1125	NP2125	QP5125	DP5220	DP5125	QC3115	NA20
	ZTED02503-MG	25	0.3	17					●	●		
	ZTFD0303-MG	3	0.3	17					●	●		
	ZTGD0404-MG	4	0.4	22					●	●		
	ZTHD0504-MG	5	0.4	22					○	○		
	ZTKD0608-MG	6	0.8	22					○	○		

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ✱ 断续加工首选 Interrupted ⓐ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# 60°通用螺纹刀片

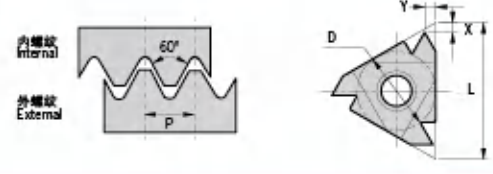
Insert Grades - 60° Threading Insert  
60°通用型螺纹刀片



工件材料 Work Piece	P钢	●	●	●
	M不锈钢	●	●	●
	K铸铁	●	●	⊗
	N有色金属	●	●	●
	S耐热合金	●	●	●
	H高硬度材料	●	●	●

刀片外形 Shape	型号 Specification		内接圆直径D Dia	加工螺纹范围 TPI		刀片尺寸 Size				硬质合金 Solid Carbide			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	L	X	Y	T	QP1120	QP5120	QP7105	QA20
	11ERA60	11ELA60	1/4"	0.5-1.5	48-16	11	0.8	0.9	13.2	●	●	●	●
	16ERA60	16ELA60	3/8"	0.5-1.5	48-16	16	0.8	0.9	3.65	○	○	○	○
	16ERAG60	16ELAG60	3/8"	0.5-3.0	48-8	16	1.2	1.7	3.65	●	●	●	●
	16ERG60	16ELG60	3/8"	1.75-3.0	14-8	16	1.2	1.7	3.65	○	○	○	○
	22ERN60	22ELN60	1/2"	3.5-5.0	7-5	22	1.7	2.5	4.76	●	●	●	●
	27ER060	27EL060	5/8"	5.5-6.0	4-5-4	27	2.1	3.1	6.35	○	○	○	○

注 Notice: 左手刀片均按订单生产。 Inserts for left hand only produced according to order.



工件材料 Work Piece	P钢	●	●	●
	M不锈钢	●	●	●
	K铸铁	●	●	⊗
	N有色金属	●	●	●
	S耐热合金	●	●	●
	H高硬度材料	●	●	●

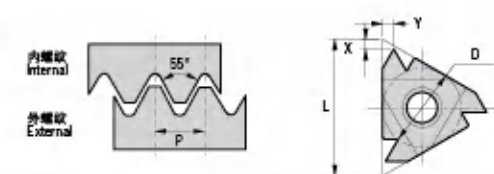
刀片外形 Shape	型号 Specification		内接圆直径D Dia	加工螺纹范围 TPI		刀片尺寸 Size				硬质合金 Solid Carbide			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	L	X	Y	T	QP1120	QP5120	QP7105	QA20
	06IRA60	06ILA60	5/32"	0.5-1.25	48-20	6	0.6	0.6	1.9	○	○	○	○
	08IRA60	08ILA60	3/16"	0.5-1.5	48-16	8	0.6	0.7	2.2	○	○	○	○
	11IRA60	11ILA60	1/4"	0.5-1.5	48-16	11	0.8	0.9	3.2	●	●	●	●
	16IRA60	16ILA60	3/8"	0.5-1.5	48-16	16	0.8	0.9	3.65	●	●	●	●
	16IRAG60	16ILAG60	3/8"	0.5-3.0	48-8	16	1.2	1.7	3.65	●	●	●	●
	16IRG60	16ILG60	3/8"	1.75-3.0	14-8	16	1.2	1.7	3.65	○	○	○	○
	22IRN60	22ILN60	1/2"	3.5-5.0	7-5	22	1.7	2.5	4.76	●	●	●	●
	27IR060	27IL060	5/8"	5.5-6.0	4-5-4	27	2.1	3.1	6.35	○	○	○	○

注 Notice: 左手刀片均按订单生产。 Inserts for left hand only produced according to order.

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ✖ 断续加工首选 Interrupted ⚡ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# 55°通用螺纹刀片

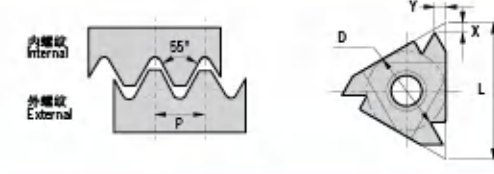
Insert Grades - 55° Threading Insert  
55°通用型螺纹刀片



工件材料 Work Piece	P钢	●	●	●
	M不锈钢	●	●	●
	K铸铁	●	●	⊗
	N有色金属	●	●	●
	S耐热合金	●	●	●
	H高硬度材料	●	●	●

刀片外形 Shape	型号 Specification		内接圆直径D Dia	加工螺纹范围 TPI		刀片尺寸 Size				硬质合金 Solid Carbide			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	L	X	Y	T	QP1120	QP5120	QP7105	QA20
	11ERA55	11ELA55	1/4"	0.5-1.5	48-16	11	0.8	0.9	3.2	○	○	○	○
	16ERA55	16ELA55	3/8"	0.5-1.5	48-16	16	0.8	0.9	3.65	○	○	○	○
	16ERAG55	16ELAG55	3/8"	0.5-3.0	48-8	16	1.2	1.7	3.65	○	○	○	○
	16ERG55	16ELG55	3/8"	1.75-3.0	14-8	16	1.2	1.7	3.65	○	○	○	○
	22ERN55	22ELN55	1/2"	3.5-5.0	7-5	22	1.7	2.5	4.76	○	○	○	○
	27ER055	27EL055	5/8"	5.5-6.0	4-5-4	27	2	2.9	6.35	○	○	○	○

注 Notice: 左手刀片均按订单生产。 Inserts for left hand only produced according to order.



工件材料 Work Piece	P钢	●	●	●
	M不锈钢	●	●	●
	K铸铁	●	●	⊗
	N有色金属	●	●	●
	S耐热合金	●	●	●
	H高硬度材料	●	●	●

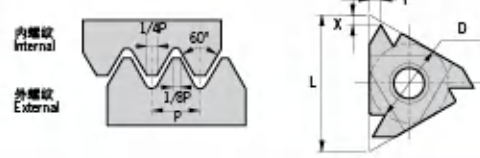
刀片外形 Shape	型号 Specification		内接圆直径D Dia	加工螺纹范围 TPI		刀片尺寸 Size				硬质合金 Solid Carbide			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	L	X	Y	T	QP1120	QP5120	QP7105	QA20
	06IRA55	06ILA55	5/32"	0.5-1.25	48-20	6	0.6	0.6	1.9	○	○	○	○
	08IRA55	08ILA55	3/16"	0.5-1.5	48-16	8	0.6	0.7	2.2	○	○	○	○
	11IRA55	11ILA55	1/4"	0.5-1.5	48-16	11	0.8	0.9	3.2	○	○	○	○
	16IRA55	16ILA55	3/8"	0.5-1.5	48-16	16	0.8	0.9	3.65	○	○	○	○
	16IRAG55	16ILAG55	3/8"	0.5-3.0	48-8	16	1.2	1.7	3.65	○	○	○	○
	16IRG55	16ILG55	3/8"	1.75-3.0	14-8	16	1.2	1.7	3.65	○	○	○	○
	22IRN55	22ILN55	1/2"	3.5-5.0	7-5	22	1.7	2.5	4.76	○	○	○	○
	27IR055	27IL055	5/8"	5.5-6.0	4-5-4	27	1.8	2.7	6.35	○	○	○	○

注 Notice: 左手刀片均按订单生产。 Inserts for left hand only produced according to order.

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ✖ 断续加工首选 Interrupted ⚡ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# ISO标准型螺纹刀片

Insert Grades - ISO Threading Insert  
ISO标准型螺纹刀片



工件材料 Work Piece	P钢	●	●	●
	M不锈钢	●	●	●
	K铸铁	●	●	⊗
	N有色金属	●	●	●
	S耐热合金	●	●	●
H高硬度材料	●	●	●	

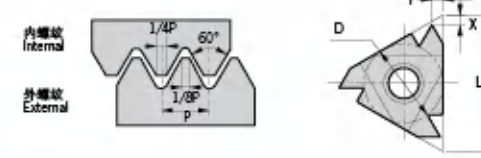
刀片外形 Shape	型号 Specification		内接圆直径 Dia	加工螺纹范围 TPI		刀片尺寸 Size				硬质合金 Solid Carbide			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	L	X	Y	T	QP1120	QP5120	QP7105	QA20
	11ER0.50ISO	11EL0.50ISO	1/4"	0.5	-	11	0.6	0.6	3.2	●	●	●	●
	11ER0.75ISO	11EL0.75ISO	1/4"	0.75	-	11	0.6	0.6	3.2	●	●	●	●
	11ER1.00ISO	11EL1.00ISO	1/4"	1	-	11	0.7	0.7	3.2	●	●	●	●
	11ER1.25ISO	11EL1.25ISO	1/4"	1.25	-	11	0.8	0.9	3.2	●	●	●	●
	11ER1.50ISO	11EL1.50ISO	1/4"	1.5	-	11	0.8	1	3.2	●	●	●	●
	11ER1.75ISO	11EL1.75ISO	1/4"	1.75	-	11	0.8	1.1	3.2	●	●	●	●
	16ER0.50ISO	16EL0.50ISO	3/8"	0.5	-	16	0.6	0.6	3.65	●	●	●	●
	16ER0.75ISO	16EL0.75ISO	3/8"	0.75	-	16	0.6	0.6	3.65	●	●	●	●
	16ER1.00ISO	16EL1.00ISO	3/8"	1	-	16	0.7	0.7	3.65	●	●	●	●
	16ER1.25ISO	16EL1.25ISO	3/8"	1.25	-	16	0.8	0.9	3.65	●	●	●	●
	16ER1.50ISO	16EL1.50ISO	3/8"	1.5	-	16	0.8	1	3.65	●	●	●	●
	16ER1.75ISO	16EL1.75ISO	3/8"	1.75	-	16	0.9	1.2	3.65	●	●	●	●
	16ER2.00ISO	16EL2.00ISO	3/8"	2	-	16	1	1.3	3.65	●	●	●	●
	16ER2.50ISO	16EL2.50ISO	3/8"	2.5	-	16	1.1	1.5	3.65	●	●	●	●
	16ER3.00ISO	16EL3.00ISO	3/8"	3	-	16	1.2	1.6	3.65	●	●	●	●
	22ER3.50ISO	22EL3.50ISO	1/2"	3.5	-	22	1.6	2.3	4.76	●	●	●	●
	22ER4.00ISO	22EL4.00ISO	1/2"	4	-	22	1.6	2.3	4.76	●	●	●	●
	22ER4.50ISO	22EL4.50ISO	1/2"	4.5	-	22	1.7	2.4	4.76	●	●	●	●
	22ER5.00ISO	22EL5.00ISO	1/2"	5	-	22	1.7	2.5	4.76	●	●	●	●
	27ER5.50ISO	27EL5.50ISO	5/8"	5.5	-	27.5	1.9	2.7	6.35	○	○	○	○
	27ER6.00ISO	27EL6.00ISO	5/8"	6	-	27.5	2	2.9	6.35	○	○	○	○

注 Notice: 左手刀片均按订单生产。 Inserts for left hand only produced according to order.

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ✱ 断续加工首选 Interrupted ✨ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# ISO标准型螺纹刀片

Insert Grades - ISO Threading Insert  
ISO标准型螺纹刀片



工件材料 Work Piece	P钢	●	●	●
	M不锈钢	●	●	●
	K铸铁	●	●	⊗
	N有色金属	●	●	●
	S耐热合金	●	●	●
H高硬度材料	●	●	●	

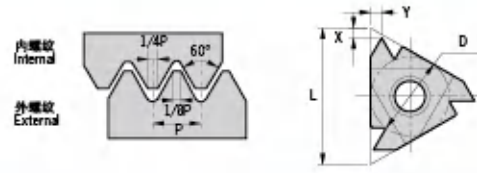
刀片外形 Shape	型号 Specification		内接圆直径 Dia	加工螺纹范围 TPI		刀片尺寸 Size				硬质合金 Solid Carbide			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	L	X	Y	T	QP1120	QP5120	QP7105	QA20
	06IR0.50ISO	06IL0.50ISO	5/32"	0.5	-	6	0.9	0.5	1.9	○	○	○	○
	06IR0.75ISO	06IL0.75ISO	5/32"	0.75	-	6	0.8	0.5	1.9	○	○	○	○
	06IR1.00ISO	06IL1.00ISO	5/32"	1	-	6	0.7	0.6	1.9	○	○	○	○
	06IR1.25ISO	06IL1.25ISO	5/32"	1.25	-	6	0.6	0.6	1.9	○	○	○	○
	08IR0.50ISO	08IL0.50ISO	3/16"	0.5	-	8	0.6	0.5	2.2	○	○	○	○
	08IR0.75ISO	08IL0.75ISO	3/16"	0.75	-	8	0.6	0.5	2.2	○	○	○	○
	08IR1.00ISO	08IL1.00ISO	3/16"	1	-	8	0.6	0.6	2.2	○	○	○	○
	08IR1.25ISO	08IL1.25ISO	3/16"	1.25	-	8	0.6	0.7	2.2	○	○	○	○
	08IR1.50ISO	08IL1.50ISO	3/16"	1.5	-	8	0.6	0.7	2.2	○	○	○	○
	08IR1.75ISO	08IL1.75ISO	3/16"	1.75	-	8	0.6	0.8	2.2	○	○	○	○
	11IR0.50ISO	11IL0.50ISO	1/4"	0.5	-	11	0.6	0.6	3.2	●	●	●	●
	11IR0.75ISO	11IL0.75ISO	1/4"	0.75	-	11	0.6	0.6	3.2	●	●	●	●
	11IR1.00ISO	11IL1.00ISO	1/4"	1	-	11	0.6	0.7	3.2	●	●	●	●
	11IR1.25ISO	11IL1.25ISO	1/4"	1.25	-	11	0.8	0.9	3.2	●	●	●	●
	11IR1.50ISO	11IL1.50ISO	1/4"	1.5	-	11	0.8	1	3.2	●	●	●	●
	11IR1.75ISO	11IL1.75ISO	1/4"	1.75	-	11	0.9	1.1	3.2	●	●	●	●
	11IR2.00ISO	11IL2.00ISO	1/4"	2	-	11	1	1.3	3.2	●	●	●	●
	16IR0.50ISO	16IL0.50ISO	3/8"	0.5	-	16	0.6	0.6	3.65	●	●	●	●
	16IR0.75ISO	16IL0.75ISO	3/8"	0.75	-	16	0.6	0.6	3.65	●	●	●	●
	16IR1.00ISO	16IL1.00ISO	3/8"	1	-	16	0.6	0.7	3.65	●	●	●	●
	16IR1.25ISO	16IL1.25ISO	3/8"	1.25	-	16	0.8	0.9	3.65	●	●	●	●
	16IR1.50ISO	16IL1.50ISO	3/8"	1.5	-	16	0.8	1	3.65	●	●	●	●
	16IR1.75ISO	16IL1.75ISO	3/8"	1.75	-	16	0.9	1.2	3.65	●	●	●	●
	16IR2.00ISO	16IL2.00ISO	3/8"	2	-	16	1	1.3	3.65	●	●	●	●
	16IR2.50ISO	16IL2.50ISO	3/8"	2.5	-	16	1.1	1.5	3.65	●	●	●	●
	16IR3.00ISO	16IL3.00ISO	3/8"	3	-	16	1.1	1.5	3.65	●	●	●	●
	22IR3.50ISO	22IL3.50ISO	1/2"	3.5	-	22	1.6	2.3	4.76	●	●	●	●
	22IR4.00ISO	22IL4.00ISO	1/2"	4	-	22	1.6	2.3	4.76	●	●	●	●
	22IR4.50ISO	22IL4.50ISO	1/2"	4.5	-	22	1.7	2.4	4.76	●	●	●	●
	22IR5.00ISO	22IL5.00ISO	1/2"	5	-	22	1.7	2.5	4.76	●	●	●	●
	27IR5.50ISO	27IL5.50ISO	5/8"	5.5	-	27.5	1.9	2.7	6.35	○	○	○	○
	27IR6.00ISO	27IL6.00ISO	5/8"	6	-	27.5	2	2.9	6.35	○	○	○	○

注 Notice: 左手刀片均按订单生产。 Inserts for left hand only produced according to order.

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ✱ 断续加工首选 Interrupted ✨ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# UN通用螺纹刀片

Insert Grades - UN-60° America UN Threading Insert  
UN-60°美制统一标准螺纹刀片



工件材料 Work Piece	P钢	●	●	●
	M不锈钢	●	●	●
	K铸铁	●	●	⊕
	N有色金属	●	●	●
	S耐热合金	●	●	●
	H高硬度材料	●	●	●

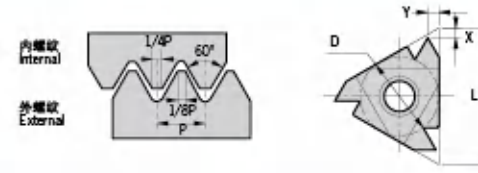
刀片外形 Shape	型号 Specification		内接圆直径D Dia	加工螺纹范围 TPI		刀片尺寸 Size				硬质合金 Solid Carbide			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	L	X	Y	T	QP1120	QP5120	QP7105	QA20
●	16ER28UN	16EL28UN	3/8"	28	-	16	0.6	0.7	3.65	●	●	●	○
●	16ER24UN	16EL24UN	3/8"	24	-	16	0.7	0.8	3.65	●	●	●	○
●	16ER20UN	16EL20UN	3/8"	20	-	16	0.8	0.9	3.65	●	●	●	○
●	16ER18UN	16EL18UN	3/8"	18	-	16	0.8	1	3.65	●	●	●	○
●	16ER16UN	16EL16UN	3/8"	16	-	16	0.9	1.1	3.65	●	●	●	○
●	16ER14UN	16EL14UN	3/8"	14	-	16	1	1.2	3.65	●	●	●	○
●	16ER13UN	16EL13UN	3/8"	13	-	16	1.1	1.3	3.65	○	○	○	○
●	16ER12UN	16EL12UN	3/8"	12	-	16	1.1	1.4	3.65	●	●	●	○
●	16ER11UN	16EL11UN	3/8"	11	-	16	1.1	1.5	3.65	●	●	●	○
●	16ER10UN	16EL10UN	3/8"	10	-	16	1.1	1.5	3.65	●	●	●	○
●	16ER9UN	16EL9UN	3/8"	9	-	16	1.2	1.7	3.65	●	●	●	○
●	16ER8UN	16EL8UN	3/8"	8	-	16	1.2	2	3.65	●	●	●	○
○	22ER7UN	22EL7UN	1/2"	7	-	22	1.6	2.3	4.76	○	○	○	○
○	22ER6UN	22EL6UN	1/2"	6	-	22	1.6	2.3	4.76	○	○	○	○
○	22ER5UN	22EL5UN	1/2"	5	-	22	1.7	2.5	4.76	○	○	○	○

注 Notice: 左手刀片均按订单生产。 Inserts for left hand only produced according to order.

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ✖ 断续加工首选 Interrupted ⚡ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# UN通用螺纹刀片

Insert Grades - UN-60° America UN Threading Insert  
UN-60°美制统一标准螺纹刀片



工件材料 Work Piece	P钢	●	●	●
	M不锈钢	●	●	●
	K铸铁	●	●	⊕
	N有色金属	●	●	●
	S耐热合金	●	●	●
	H高硬度材料	●	●	●

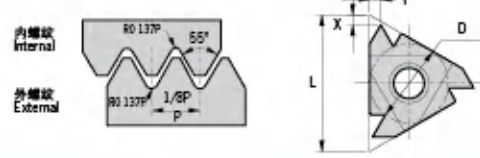
刀片外形 Shape	型号 Specification		内接圆直径D Dia	加工螺纹范围 TPI		刀片尺寸 Size				硬质合金 Solid Carbide			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	L	X	Y	T	QP1120	QP5120	QP7105	QA20
○	06R32UN	06L32UN	5/32"	-32	-	6	0.8	0.5	1.9	○	○	○	○
○	06R28UN	06L28UN	5/32"	28	-	6	0.8	0.6	1.9	○	○	○	○
○	06R24UN	06L24UN	5/32"	24	-	6	0.7	0.6	1.9	○	○	○	○
○	06R20UN	06L20UN	5/32"	20	-	6	0.6	0.6	1.9	○	○	○	○
○	06R18UN	06L18UN	5/32"	18	-	6	0.6	0.7	1.9	○	○	○	○
○	08R32UN	08L32UN	3/16"	32	-	8	0.6	0.5	2.2	○	○	○	○
○	08R28UN	08L28UN	3/16"	28	-	8	0.6	0.6	2.2	○	○	○	○
○	08R24UN	08L24UN	3/16"	24	-	8	0.6	0.6	2.2	○	○	○	○
○	08R20UN	08L20UN	3/16"	20	-	8	0.6	0.7	2.2	○	○	○	○
○	08R18UN	08L18UN	3/16"	18	-	8	0.6	0.7	2.2	○	○	○	○
○	08R16UN	08L16UN	3/16"	16	-	8	0.6	0.7	2.2	○	○	○	○
○	08R14UN	08L14UN	3/16"	14	-	8	0.6	0.8	2.2	○	○	○	○
○	11R32UN	11L32UN	1/4"	32	-	11	0.6	0.6	3.2	○	○	○	○
○	11R28UN	11L28UN	1/4"	28	-	11	0.6	0.7	3.2	○	○	○	○
○	11R24UN	11L24UN	1/4"	24	-	11	0.7	0.8	3.2	○	○	○	○
○	11R20UN	11L20UN	1/4"	20	-	11	0.8	0.9	3.2	○	○	○	○
○	11R18UN	11L18UN	1/4"	18	-	11	0.8	1	3.2	○	○	○	○
○	11R16UN	11L16UN	1/4"	16	-	11	0.9	1.1	3.2	○	○	○	○
○	16R32UN	16L32UN	3/8"	32	-	16	0.6	0.6	3.65	●	●	●	○
○	16R28UN	16L28UN	3/8"	28	-	16	0.6	0.7	3.65	○	○	○	○
○	16R24UN	16L24UN	3/8"	24	-	16	0.7	0.8	3.65	●	●	●	○
○	16R20UN	16L20UN	3/8"	20	-	16	0.8	0.9	3.65	●	●	●	○
○	16R18UN	16L18UN	3/8"	18	-	16	0.8	1	3.65	●	●	●	○
○	16R16UN	16L16UN	3/8"	16	-	16	0.9	1.1	3.65	●	●	●	○
○	16R14UN	16L14UN	3/8"	14	-	16	1	1.2	3.65	●	●	●	○
○	16R13UN	16L13UN	3/8"	13	-	16	1.1	1.3	3.65	○	○	○	○
○	16R12UN	16L12UN	3/8"	12	-	16	1.1	1.4	3.65	●	●	●	○
○	16R11UN	16L11UN	3/8"	11	-	16	1.1	1.5	3.65	●	●	●	○
○	16R10UN	16L10UN	3/8"	10	-	16	1.1	1.5	3.65	●	●	●	○
○	16R9UN	16L9UN	3/8"	9	-	16	1.2	1.7	3.65	●	●	●	○
○	16R8UN	16L8UN	1/2"	8	-	16	1.2	2	3.65	●	●	●	○
○	22R7UN	22L7UN	1/2"	7	-	22	1.6	2.3	4.76	○	○	○	○
○	22R6UN	22L6UN	1/2"	6	-	22	1.6	2.3	4.76	○	○	○	○
○	22R5UN	22L5UN	1/2"	5	-	22	1.7	2.5	4.76	○	○	○	○

注 Notice: 左手刀片均按订单生产。 Inserts for left hand only produced according to order.

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ✖ 断续加工首选 Interrupted ⚡ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# W-55°通用螺纹刀片

Insert Grades -W-55° Whitworth Threading Insert  
W-55°英国惠氏螺纹刀片



工件材料 Work Piece	P钢	●	●	●
	M不锈钢	●	●	●
	K铸铁	●	●	⊕
	N有色金属	●	●	●
	S耐热合金	●	●	●
H高硬度材料	●	●	●	

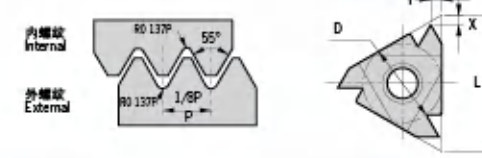
刀片外形 Shape	型号 Specification		内接圆直径D Dia	加工螺纹范围 TPI	刀片尺寸 Size				硬质合金 Solid Carbide			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand			mm	TPI	L	X	Y	T	QP1120	QP5120
	11ER28W	11EL28W	1/4"	28	111	0.6	0.7	3.2	○	○	○	○
	11ER26W	11EL26W	1/4"	26	11	0.7	0.8	3.2	○	○	○	○
	11ER20W	11EL20W	1/4"	20	11	0.8	0.9	3.2	○	○	○	○
	11ER19W	11EL19W	1/4"	19	11	0.8	1	3.2	○	○	○	○
	11ER18W	11EL18W	1/4"	18	11	0.8	1	3.2	○	○	○	○
	11ER16W	11EL16W	1/4"	16	11	0.9	1.1	3.2	○	○	○	○
	11ER14W	11EL14W	1/4"	14	11	1	1.2	3.2	○	○	○	○
	16ER28W	16EL28W	3/8"	28	16	0.6	0.7	3.65	●	○	●	●
	16ER26W	16EL26W	3/8"	26	16	0.7	0.8	3.65	○	○	○	○
	16ER20W	16EL20W	3/8"	20	16	0.8	0.9	3.65	○	○	○	○
	16ER19W	16EL19W	3/8"	19	16	0.8	1	3.65	●	●	●	●
	16ER18W	16EL18W	3/8"	18	16	0.8	0.9	3.65	○	○	○	○
	16ER16W	16EL16W	3/8"	16	16	0.9	1.1	3.65	○	○	○	○
	16ER14W	16EL14W	3/8"	14	16	1	1.2	3.65	●	●	●	●
	16ER12W	16EL12W	3/8"	12	16	1.1	1.4	3.65	○	●	●	●
	16ER11W	16EL11W	3/8"	11	16	1.1	1.5	3.65	●	●	●	●
	16ER10W	16EL10W	3/8"	10	16	1.1	1.5	3.65	○	○	○	○
	16ER9W	16EL9W	3/8"	9	16	1.2	1.5	3.65	○	○	○	○
	16ER8W	16EL8W	3/8"	8	16	1.2	1.7	3.65	○	○	○	○
	22ER7W	22EL7W	1/2"	7	22	1.6	2.3	4.76	○	○	○	○
	22ER6W	22EL6W	1/2"	6	22	1.6	2.3	4.76	○	○	○	○
	22ER5W	22EL5W	1/2"	5	22	1.7	2.4	4.76	○	○	○	○
	27ER4.5W	27EL4.5W	5/8"	4.5	27	1.8	2.6	6.35	○	○	○	○
	27ER4W	27EL4W	5/8"	4	27	2	2.9	6.35	○	○	○	○

注 Notice: 左手刀片均按订单生产。 Inserts for left hand only produced according to order.

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ✱ 断续加工首选 Interrupted ✷ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# W-55°通用螺纹刀片

Insert Grades -W-55° Whitworth Threading Insert  
W-55°英国惠氏螺纹刀片



工件材料 Work Piece	P钢	●	●	●
	M不锈钢	●	●	●
	K铸铁	●	●	⊕
	N有色金属	●	●	●
	S耐热合金	●	●	●
H高硬度材料	●	●	●	

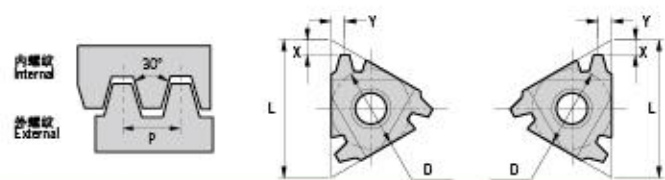
刀片外形 Shape	型号 Specification		内接圆直径D Dia	加工螺纹范围 TPI	刀片尺寸 Size				硬质合金 Solid Carbide			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand			mm	TPI	L	X	Y	T	QP1120	QP5120
	06R26W	06L26W	5/32"	26	6	0.7	0.6	1.9	○	○	○	○
	06R22W	06L22W	5/32"	22	6	0.6	0.6	1.9	○	○	○	○
	06R20W	06L20W	5/32"	20	6	0.6	0.7	1.9	○	○	○	○
	06R18W	06L18W	5/32"	18	6	0.6	0.7	1.9	○	○	○	○
	08R28W	08L28W	3/16"	28	8	0.6	0.6	2.2	○	○	○	○
	08R24W	08L24W	3/16"	24	8	0.6	0.6	2.2	○	○	○	○
	08R20W	08L20W	3/16"	20	8	0.6	0.7	2.2	○	○	○	○
	08R19W	08L19W	3/16"	19	8	0.6	0.7	2.2	○	○	○	○
	08R18W	08L18W	3/16"	18	8	0.6	0.7	2.2	○	○	○	○
	08R16W	08L16W	3/16"	16	8	0.6	0.7	2.2	○	○	○	○
	11R28W	11L28W	1/4"	28	11	0.6	0.6	3.2	○	○	○	○
	11R26W	11L26W	1/4"	26	11	0.6	0.7	3.2	○	○	○	○
	11R20W	11L20W	1/4"	20	11	0.7	0.9	3.2	○	○	○	○
	11R19W	11L19W	1/4"	19	11	0.8	1	3.2	●	●	●	●
	11R18W	11L18W	1/4"	18	11	0.8	1	3.2	○	○	○	○
	11R16W	11L16W	1/4"	16	11	0.9	1.1	3.2	○	○	○	○
	11R14W	11L14W	1/4"	14	11	1	1.2	3.2	●	●	●	●
	16R28W	16L28W	3/8"	28	16	0.6	0.7	3.65	●	○	●	●
	16R26W	16L26W	3/8"	26	16	0.7	0.8	3.65	○	○	○	○
	16R20W	16L20W	3/8"	20	16	0.8	0.9	3.65	○	○	○	○
	16R19W	16L19W	3/8"	19	16	0.8	1	3.65	●	●	●	●
	16R18W	16L18W	3/8"	18	16	0.8	1	3.65	○	○	○	○
	16R16W	16L16W	3/8"	16	16	0.9	1.1	3.65	○	○	○	○
	16R14W	16L14W	3/8"	14	16	1	1.2	3.65	●	●	●	●
	16R12W	16L12W	3/8"	12	16	1.1	1.4	3.65	●	●	●	●
	16R11W	16L11W	3/8"	11	16	1.1	1.5	3.65	●	●	●	●
	16R10W	16L10W	3/8"	10	16	1.1	1.5	3.65	○	○	○	○
	16R9W	16L9W	3/8"	9	16	1.2	1.5	3.65	○	○	○	○
	16R8W	16L8W	3/8"	8	16	1.2	1.7	3.65	○	○	○	○
	22R7W	22L7W	1/2"	7	22	1.6	2.3	4.76	○	○	○	○
	22R6W	22L6W	1/2"	6	22	1.6	2.3	4.76	○	○	○	○
	22R5W	22L5W	1/2"	5	22	1.7	2.4	4.76	○	○	○	○
	27R4.5W	27L4.5W	5/8"	4.5	27	1.8	2.6	6.35	○	○	○	○
	27R4W	27L4W	5/8"	4	27	2	2.9	6.35	○	○	○	○

注 Notice: 左手刀片均按订单生产。 Inserts for left hand only produced according to order.

注: Notice: ● 连续加工首选 Continuous ○ 连续加工备选 Continuous ● 轻断续加工首选 Medium ○ 轻断续加工备选 Medium ✱ 断续加工首选 Interrupted ✷ 断续加工备选 Interrupted  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# TR-30°通用螺纹刀片

Insert Grades -TR-30° Trapezoid Threading Insert  
TR-30°标准梯形螺纹刀片



工件材料 Work Piece	P钢	●	●	●
	M不锈钢	●	●	●
	K铸铁	●	●	⊕
	N有色金属	●	●	●
	S耐热合金	●	●	●
H高硬度材料	●	●	●	

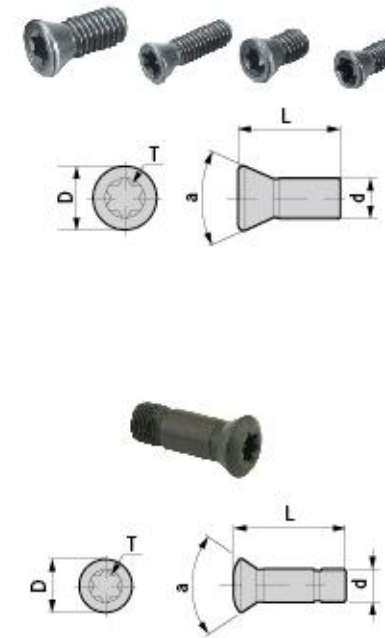
刀片外形 Shape	型号 Specification		内接圆直径D Dia	加工螺纹范围 TPI		刀片尺寸 Size				硬质合金 Solid Carbide			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	L	X	Y	T	QP1120	QF5120	QP7105	QA20
	16ER1.50TR	16EL1.50TR	3/8"	15	-	16	1	1.1	3.65	●	●	●	○
	16ER2.00TR	16EL2.00TR	3/8"	2	-	16	1.1	1.3	3.65	●	●	●	○
	16ER3.00TR	16EL3.00TR	3/8"	3	-	16	1.3	1.5	3.65	●	●	●	○
●	22ER4.00TR	22EL4.00TR	1/2"	4	-	22	1.7	1.9	4.76	●	●	●	○
	22ER5.00TR	22EL5.00TR	1/2"	5	-	22	2.1	2.5	4.76	●	●	●	○
	27ER6.00TR	27EL6.00TR	5/8"	6	-	27	2.2	2.6	6.35	○	○	○	○
	27ER7.00TR	27EL7.00TR	5/8"	7	-	27	2.3	2.7	6.35	○	○	○	○
	16IR1.50TR	16IL1.50TR	3/8"	15	-	16	1	1.1	3.65	●	●	●	○
	16IR2.00TR	16IL2.00TR	3/8"	2	-	16	1.1	1.3	3.65	●	●	●	○
	16IR3.00TR	16IL3.00TR	3/8"	3	-	16	1.3	1.5	3.65	●	●	●	○
●	22IR4.00TR	22IL4.00TR	1/2"	4	-	22	1.7	1.9	4.76	●	●	●	○
	22IR5.00TR	22IL5.00TR	1/2"	5	-	22	2.1	2.5	4.76	●	●	●	○
	27IR6.00TR	27IL6.00TR	5/8"	6	-	27	2.2	2.6	6.35	○	○	○	○
	27IR7.00TR	27IL7.00TR	5/8"	7	-	27	2.3	2.7	6.35	○	○	○	○

注 Notice: 左手刀片均按订单生产。 Inserts for left hand only produced according to order.

注: Notice: ● 连续加工首选 Continuous Preferred ○ 连续加工备选 Continuous Alternative ● 轻断续加工首选 Medium Preferred ⊕ 轻断续加工备选 Medium Alternative ⊛ 断续加工首选 Interrupted Preferred ⊞ 断续加工备选 Interrupted Alternative  
▲ 主推牌号 Excellent (Instock) ● 可选牌号 Good (Instock) ○ 按订单生产 On Request

# DEREK

Insert Screw  
刀片螺钉

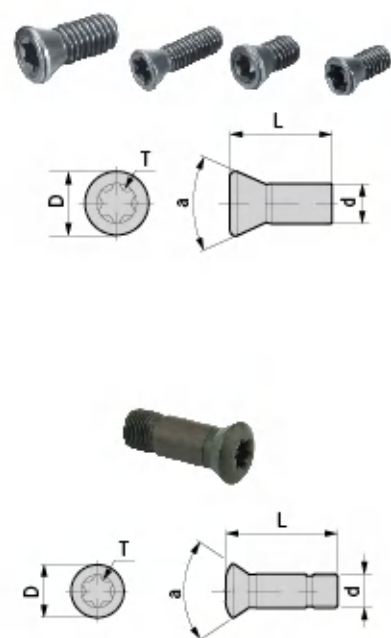


型号 Specification	D	d	L	a	扳手 Wrench
M020D040	2.7	2	4	55	Q06
M020D055	3	2	5.5	60	Q06
M020W040	2.7	2	4	55	Q06
M022D050	3	2.2	5	60	Q08
M022W050	3	2.2	5	60	Q08
M022W060	3	2.2	6	60	Q08
M025D060	3.5	2.5	6	55	Q08
M025F060	3.5	2.5	6	55	Q08
M025L080	3.5	2.5	8	60	Q08
M025W050	3.5	2.5	5	45	Q08
M025W060	3.5	2.5	6	55	Q08
M030W070	4	3	7	55	Q08
M030Y060	4	3	6	50	Q08
M030Y070-1	4	3	7	50	Q08
M030Y070-2	4.5	3	7	50	Q08
M030D075	4.5	3	7.5	60	Q08
M035D095	4.5	3	9.5	60	Q15
M035R080-1	5.2	3.5	8	60	Q15
M035T085	5.2	3.5	8.5	55	Q15
M035W090	5	3.5	9	55	Q15
M040C130	5.7	4	13	60	Q15
M040C150	5.7	4	15	60	Q15
M040D080-3	5.7	4	8	55	Q15
M040D110	5.5	4	11	55	Q15
M040M100	5.7	4	10	60	Q15
M040R080-2	5	4	8	45	Q15
M040R090	5	4	9	38	Q15
M040R100-2	6	4	10	55	Q15
M040S080-1	5.7	4	8	60	Q15
M040S100-1	5.7	4	10	60	Q15
M040S120	5.7	4	12	60	Q15
M040W090	5.5	4	9	55	Q15
M045J120	7	4.5	12	50	Q15
M045Y110	7	4.5	11	50	Q15
M050D110	7	5	11	45	Q20
M050J120	7	5	12	45	Q20
M050M110	7	5	11	45	Q20
M050Y110-1	7	5	11	45	Q20
M050Y110-2	6.5	5	11	40	Q20
M050Y110-4	7.2	5	11	55	Q20

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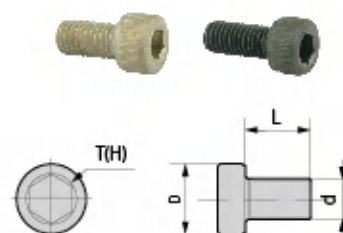
附件  
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Accessories

## Insert Screw 刀片螺钉



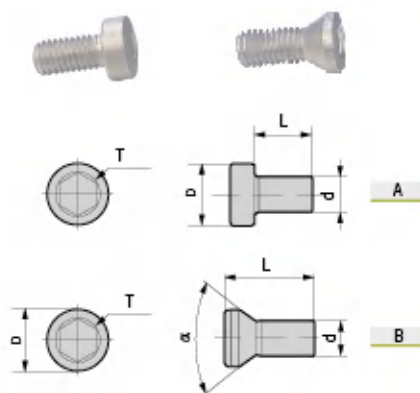
型号 Specification	D	d	L	a	扳手 Wrench
M050Y120-1	7.2	5	12	60	Q20
M050Y120-2	7.2	5	12	55	Q20
M050Y120-3	7.2	5	12	60	Q20
M050W090-6R	6.8	5	9	60	Q20
M050W130-8R	7.4	5	13	60	Q20
M050W170-10R	8	5	17	60	Q20
M060W210-12.5R	9.5	26	21	60	T30M
M030W070-4R	4.2	3	7	60	Q08
M040W090-5R	5.7	4	9	60	Q15
M080W250-15R	12	8	25	60	T30M
M030D035-90	5	3	3.5	90	Q07
M030D043-90	6.2	3	4.3	90	Q07
M040D050-90	6.2	4	5	90	Q15
M040D082-90	6.2	4	8.2	90	Q15
M040D110-90	6.2	4	11	90	Q15

## Locking Screw 内六角螺钉



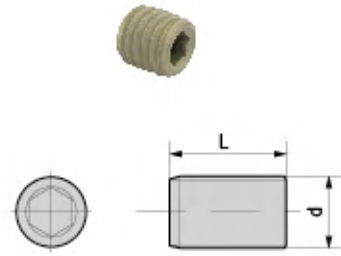
型号 Specification	D	d	L	扳手 Wrench
E040U100	7	4	10	L03
E040U160	7	4	16	L03
E040U700	7	4	70	L03
E040U800	7	4	80	L03
E050U1000	8.5	5	100	L04
E050U1150	8.5	5	115	L04
E050U120	8.5	5	12	L04
E050U1300	8.5	5	130	L04
E050U1500	8.5	5	150	L04
E050U160	8.5	5	16	L04
E050U200	8.5	5	20	L04
E050U250	8.5	5	25	L04
E050U350	8.5	5	35	L04
E050U400	8.5	5	40	L04
E050U450	8.5	5	45	L04
E050U500	8.5	5	50	L04
E050U650	8.5	5	65	L04
E050U800	8.5	5	80	L04
E050U950	8.5	5	95	L04
E060U1200	10	6	120	L05
E060U160	10	6	16	L05
E060U200	10	6	20	L05
E060U250	10	6	25	L05
E060U400	10	6	40	L05
E060U600	10	6	60	L05
E060U800	10	6	80	L05
E060U900	10	6	90	L05
E080U1200	12.5	8	120	L06
E080U1400	12.5	8	140	L06
E080U200	12.5	8	20	L06
E080U250	12.5	8	25	L06
E080U300	12.5	8	30	L06
E080U800	12.5	8	80	L06
E080U850	12.5	8	85	L06
E100U1200	15	10	120	L08
E100U1400	15	10	140	L08
E100U1600	15	10	160	L08
E100U300	15	10	30	L08
E100U350	15	10	35	L08
E120U300	18	12	30	L10
E120U400	18	12	40	L10
E160U350	24	16	35	L14
E160U500	24	16	50	L14
E040U160-D	7	4	16	L03
E050U100-D	8.5	5	10	L04
E050U120-D	8.5	5	12	L04
E050U160-D	8.5	5	16	L04
E050U200-D	8.5	5	20	L04
E060U120-D	10	6	12	L05
E060U160-D	10	6	16	L05
E060U200-D	10	6	20	L05
E060U250-D	10	6	25	L05
E080U160-D	12.5	8	16	L06
E080U250-D	12.5	8	25	L06
E080U300-D	12.5	8	30	L06
E100U160-D	15	10	16	L08
E100U200-D	15	10	20	L08
E100U250-D	15	10	25	L08
E100U300-D	15	10	30	L08
E120U300-D	18	12	30	L10
E120U350-D	18	12	35	L10
E120U450-D	18	12	45	L10
E120U500-D	18	12	50	L10

## Insert Screw for CBH Insert Holder CBH刀片座锁紧螺钉



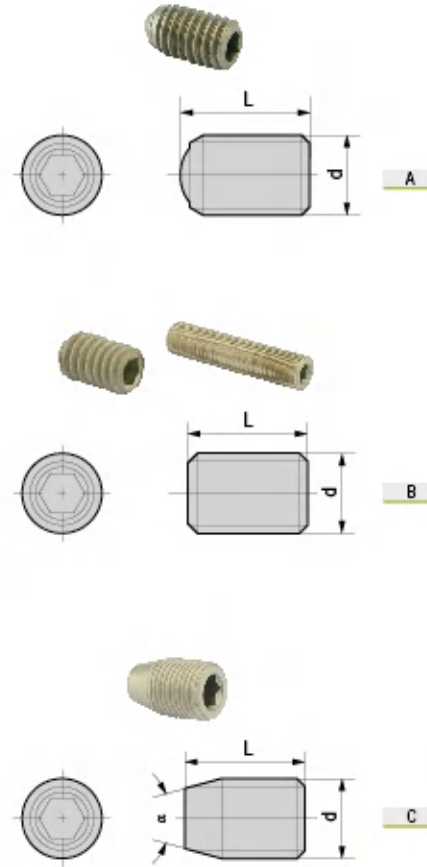
型号 Specification	专用 For	图示 Figure	d	L	$\alpha$	D	扳手 Wrench
M030D045-V1-D	CBH2036-V	A	M3	4.5	-	5	T02
M030D060-V2-D	CBH2547-V	A	M3	6	-	5	T02
M040D080-V3-D	CBH3260-V	A	M4	8	-	7.4	T025
M050D100-V4-D	CBH4174-V	A	M5	10	-	8.6	T03
M050D100-V5-D	CBH5395-V	A	M5	10	-	8.6	T04
M080D160-V6-D	CBH68150-V	A	M8	16	-	13	T05
M030U065-C1-D	CBH2036	B	M3	6.5	60	4.8	T02
M030U075-C2-D	CBH2547	B	M3	7.5	60	4.8	T02
M040U110-C3-D	CBH3260	B	M4	11	60	6.5	T025
M050U140-C4-D	CBH4174	B	M5	14	60	8	T03
M050U140-C5-D	CBH5395	B	M5	14	60	8	T04
M080U205-C6-D	CBH61850	B	M8	20.5	60	13	T05

Locking Screw  
紧定螺钉



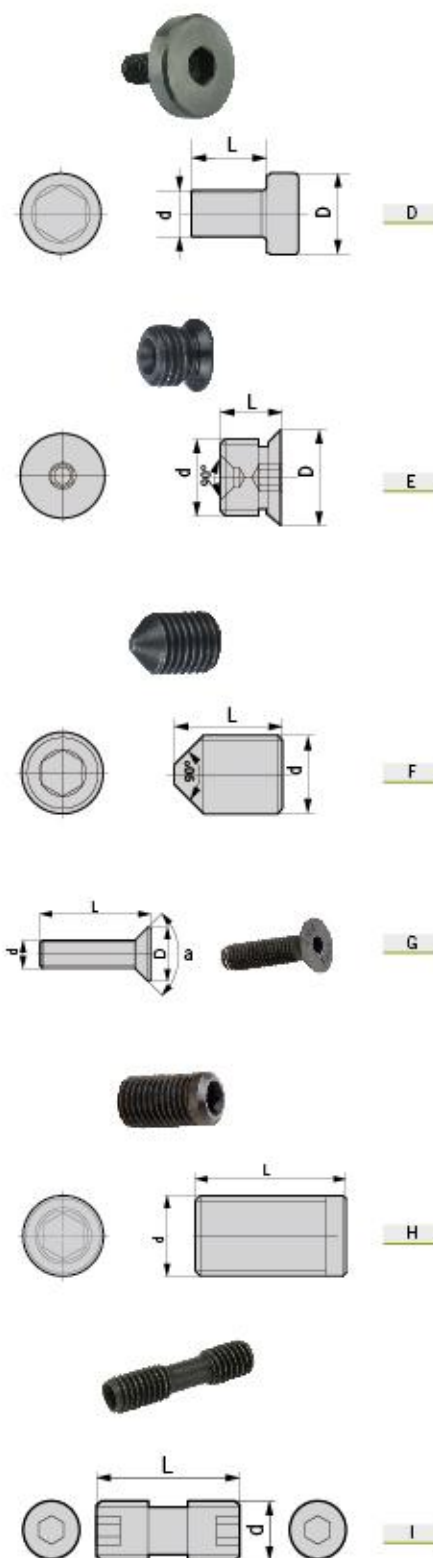
型号 Specification	d	L	扳手 Wrench
M050U050	5	5	L025
M060U050	6	5	L03
M060U060	6	6	L03
M060U080	6	8	L03
M060U100	6	10	L03
M080U060	8	6	L04
M080U080	8	8	L04
M080U100	8	10	L04
M100U070	10	7	L05
M100U120	10	12	L05
M100U140	10	14	L05
M120U140	12	14	L06
M120U160	12	16	L06
M120U200	12	20	L06
M140U160	14	16	L06
M160U160	16	16	L08
M030U060-D	3	6	L015
M040U050-D	4	5	L02
M040U060-D	4	5	L02
M040U080-D	4	8	L02
M040U100-D	4	10	L02
M040U160-D	4	16	L02
M040U200-D	4	20	L02
M050U080-D	5	8	L025
M050U200-D	5	20	L025
M050U300-D	5	30	L025
M060U060-D	6	6	L03
M060U080-D	6	8	L03
M060U100-D	6	10	L03
M060U120-D	6	12	L03
M060U200-D	6	20	L03
M060U400-D	6	40	L03
M060U500-D	6	50	L03
M080U090-D	8	9	L04
M080U100-D	8	10	L04
M080U120-D	8	12	L04
M080U140-D	8	14	L04
M080U160-D	8	16	L04
M100U110-D	10	11	L05
M100U120-D	10	12	L05
M100U160-D	10	16	L05
M100U180-D	10	18	L05
M100U200-D	10	20	L05
M100U250-D	10	25	L05
M120U300-D	12	30	L06

Locking Screw  
专用内六角螺钉



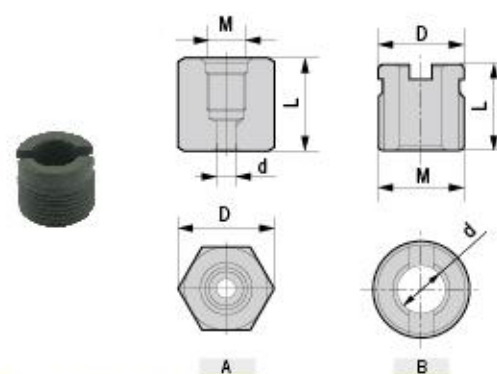
型号 Specification	对应刀具 For	图示 Figure	d	L	$\alpha$	D	扳手 Wrench
M040Z048Q-D	CBH	A	4	4.8	-	-	L02
M040Z060Q-D	CBH	A	4	6	-	-	L02
M050Z080Q-D	CBH	A	5	8	-	-	L025
M060Z100Q-D	CBH	A	6	10	-	-	L03
M080Z145Q-D	CBH	A	8	14.5	-	-	L04
M100Z160Q-D	CBH	A	10	16	-	-	L05
M040U080-90-D	FBH	B	4	8	-	-	T02
M050U100-90-D	FBH	B	5	10	-	-	T025
M050U160-90-D	FBH	B	5	16	-	-	T025
M100U160-90-D	FBH	B	10	16	-	-	T05
M100U200-90-D	FBH	B	10	20	-	-	T05
M100U250-90-D	FBH	B	10	25	-	-	T05
M040Z093P-LH-D	ABH	B	4	9.3	-	-	T02
M060Z128P-LH-D	ABH	B	6	12.8	-	-	T03
M060Z160P-LH-D	ABH	B	6	16	-	-	T03
M080Z195P-LH-D	ABH	B	8	19.5	-	-	T04
M080Z250P-LH-D	ABH	B	8	25	-	-	T04
M080Z350P-LH-D	ABH	B	8	35	-	-	T04
M180Z200P	SLN	B	18	20	-	-	L10
M200Z200P	SLN	B	20	20	-	-	L10
M200Z250P	SLN	B	20	25	-	-	L10
M240Z250P	SLN	B	24	25	-	-	L12
M080Z205P-LH-D	ABH	B	8	20.5	-	-	T04
M060F200	GSK/DSK/ER	B	6	20	-	-	L03
M100F200	GSK/DSK/ER	B	10	20	-	-	L05
M100F350	GSK/DSK/ER	B	10	35	-	-	L06
M120F200	GSK/DSK/ER	B	12	20	-	-	L06
M120F400	GSK/DSK/ER	B	12	40	-	-	L08
M160F200	GSK/DSK/ER	B	16	20	-	-	L08
M160F250	GSK/DSK/ER	B	16	25	-	-	L08
M160F400	GSK/DSK/ER	B	16	40	-	-	L08
M200F200-P2	GSK/DSK/ER	B	20	20	-	-	L10
M200F400-P2	GSK/DSK/ER	B	20	40	-	-	L10
M050Z050-30P-D	DCK刀柄	C	5	5	30	-	L025
M050Z060-30P-D	DCK刀柄	C	5	6	30	-	L025
M060Z090-30P-D	DCK刀柄	C	6	9	30	-	L03
M080Z120-30P-D	DCK刀柄	C	8	12	30	-	L04
M100Z160-30P-D	DCK刀柄	C	10	16	30	-	L05
M120Z200-30P-D	DCK刀柄	C	12	20	30	-	L06
M200Z290-30P-D	DCK刀柄	C	20	29	30	-	L10
M050R050-30P	SLBK	C	4	5	30	-	L025
M060R075-30P	SLBK	C	6	7.5	30	-	L03
M080R075-30P	SLBK	C	8	7.5	30	-	L04
M100R100-30P	SLBK	C	10	10	30	-	L05
M120R100-30P	SLBK	C	12	10	30	-	L06
M080Z100-30P	TPG刀柄	C	8	10	30	-	L04
M100Z120-30P	TPG刀柄	C	10	12	30	-	L05

Locking Screw  
专用内六角螺钉



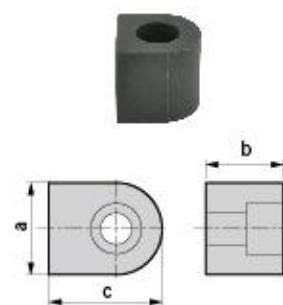
型号 Specification	对应刀具 For	图示 Figure	d	L	$\alpha$	D	扳手 Wrench
E100Z300	DSF	D	10	30	-	14	L08
E100Z300-MTB	MTB	D	10	30	-	13.5	L05
E160Z400-MTB	MTB	D	16	40	-	20	L08
E160Z350-40	FMA/B	D	16	35	-	40	L17
E200Z350-50	FMA/B	D	20	35	-	50	L17
E240Z350-65	FMA	D	24	35	-	65	L17
E040Z160-D	DBH	D	4	16	-	6.4	L03
M060Z085P-W	ABS25	E	6	8.5	-	-	L03
M080Z110P-W	ABS32	E	8	11	-	-	L04
M100Z140P-W	ABS40	E	10	14	-	-	L05
M120Z165P-W	ABS50	E	12	16.5	-	-	L06
M160Z205P-W	ABS63	E	16	20.5	-	-	L08
M200Z260P-W	ABS80	E	20	26	-	-	L10
M060Z050P-N	ABS25	F	6	5	-	8	L02
M080Z065P-N	ABS32	F	8	6.5	-	10	L025
M100Z080P-N	ABS40	F	10	8	-	12.5	L03
M120Z085P-N	ABS50	F	12	8.5	-	15	L04
M160Z120P-N	ABS63	F	16	12	-	20	L05
M200Z138P-N	ABS80	F	20	13.8	-	24.5	L06
M050D160-90	MKT	G	5	16	90	9.8	L03
M050D200-90	MAC	G	5	20	90	9.8	L03
M050Z150-D	DHP	H	5	15	-	-	L025
M060Z150-D	DHP	H	6	15	-	-	L03
M080Z150P-D	DHP/SF	H	8	15	-	-	L04
M160Z150P-D	DHP/SF	H	16	15	-	-	L05
ML0621	FM45,FM90	I	6	21	-	-	L03

For DC Slim Collet Chuck  
止动螺母



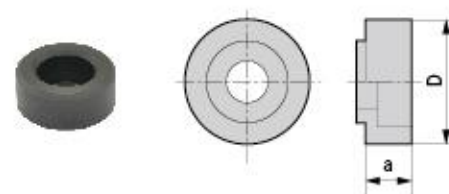
型号 Specification	图示 Figure	对应刀具 For	D	d	L	M
ZD4-1	A	DC	20.5	4	19	M8×1-LH
ZD6-1	B	DC	10	5	13	M10×1-LH
ZD6-2	A	DC	20	5.2	20	M12×1.5-LH
ZD6-4	A	DC	16	5	9.5	M16×1-LH
ZD6-5	A	DC	18	5	11.5	M18×1-LH
ZD8-1	B	DC	12	6.3	12	M12×1-LH
ZD8-2	A	DC	18	6	11	M18×1-LH
ZD10-1	B	DC	14	8.2	126	M14×1-LH
ZD10-2	B	DC	16	8.5	13	M16×1.5-LH
ZD12-1	B	DC	17	10.3	13	M16×1.5-LH

For Face Mill Arbor  
键销



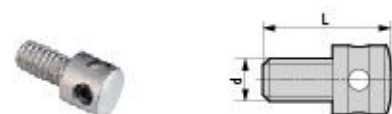
型号 Specification	对应刀具 For	a	b	c
A254-1-9.5*9.5*10.5	FMA	9.5	9.5	10.5
A254-2-9.5*9.5*21	FMA/FMA-BG	9.5	9.5	21
A317-1-12.7*12.7*12.5	FMA	12.7	12.7	12.5
A317-2-12.7*12.7*21	FMA	12.7	12.7	21
A317-3-12.7*12.7*24.7	FMA	12.7	12.7	24.7
A317-4-12.7*12.7*31	FMA	12.7	12.7	31
A381-1-15.87*15.87*18.5	FMA	15.87	15.87	18.5
A381-2-15.87*15.87*15.5	FMA	15.87	15.87	15.5
A508-1-19.05*16.5*19.5	FMA	19.05	19.05	19.5
A508-1-19.05*16.5*19.5	FMA	19.05	19.05	19.5
B220-1-10*10*11.5	FMB	10	10	11.5
B220-2-10*10*20.3	FMB/FMB-BG	10	10	20.3
B270-1-12*12*14.5	FMB	12	12	14.5
B270-2-12*12*20.8	FMB	12	12	20.8
B270-3-12*12*17.9	FMB	12	12	17.9
B270-4-12*12*23.8	FMB	12	12	23.8
B320-1-14*14*21.5	FMB	14	14	21.5
B400-2-16*16*19.5	FMB	16	16	19.5
B600-1-25.4*25.4*25.6	FMA,FMB	25.4	25.4	25.6

Washer For Face Mill Arbor  
垫圈



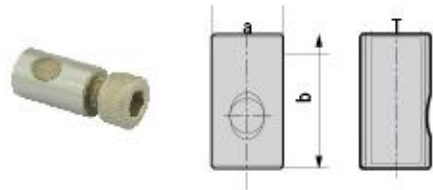
型号 Specification	对应刀具 For	a	D
FM-1	FMB	14.5	33
FM-2	FMA FMB	18.5	40
FM-3	FMA FMB	18.5	50

Adjusting Screw  
调整螺钉



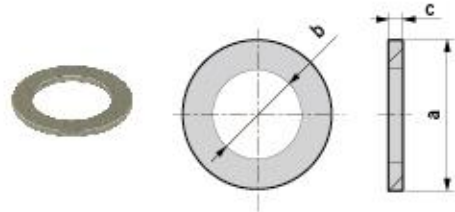
型号 Specification	d	L	扳手 Wrench
M040H120	4	12	L015

For FBH Tools  
过度螺母



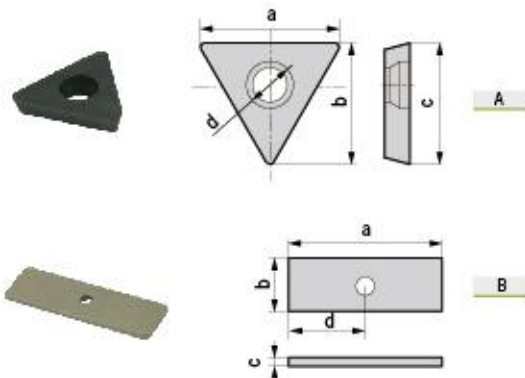
型号 Specification	对应刀具 For	a	b	T
BM6	FBH	6	11	M5
BM7	FBH	8	13	M5
BM8	FBH	16	19	M10

Washer For ABH/DBH Boring Tool  
垫片



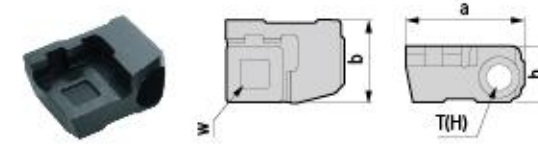
型号 Specification	对应刀具 For	a	b	c
5.8*4.2*0.8	DBH	5.8	4.2	0.8
7.2*4.3*0.8	ABH	7.2	4.3	0.8
8.5*5.3*0.8	ABH/DBH	8.5	5.3	0.8
10.3*6.5*1.2	ABH/DBH	10.3	6.5	1.2
13.2*8.5*1.2	ABH/DBH	13.2	8.5	1.2
16.5*10.5*1.5	DBH	16.5	10.5	1.5
19.5*12.5*1.5	DBH	19.5	12.5	1.5

Shim  
垫片

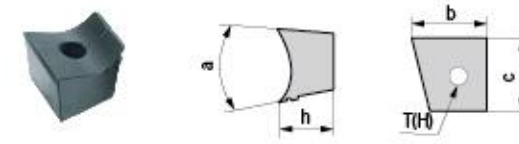


型号 Specification	图示 Figure	对应刀具 For	a	b	c	d
MT2204-B	A	TP90	17	15	-	4.5
DP-3	B	CBH-L	50	15	2.5	35

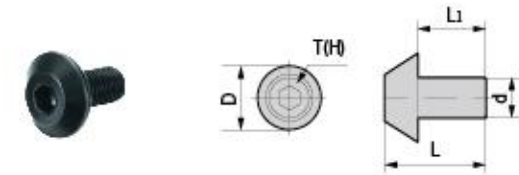
Insert Seat / Clamp  
刀片座/压板



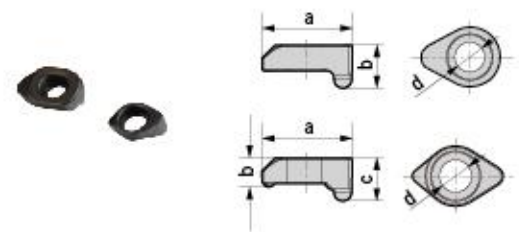
型号 Specification	a	b	h	w	T(H)
FC3050-TP2204-90	30	19	12	TPG2204	4
FC2550-SE1203-45	25	18	12	SEG1203	4
FC2550-SE1504-45	25	18	12	SEG1504	4
FC2550-SP1203-75	25	18	12	SPG1203	4
FC2550-SP1504-75	25	18	12	SPG1504	4



型号 Specification	b	c	h	a	T(H)
SV-128170-15-45	17	12.8	17.5	15°	6
SV-128170-15-75	17	12.8	19.5	15°	8



型号 Specification	d	D	L1	L	T(H)
M050H080-TP	5	12	8	12	L03D
M060H080-TP	6	13.5	8	12	L04D
M060H120-TP	6	13.5	12	16.5	L04D
M080H120-TP	8	18	12	16.5	L05D
M080H160-TP	8	18	16	21	L05D



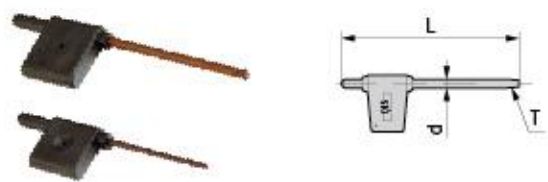
型号 Specification	a	b	c	d
YD-13	13	6	-	35
YD-14	14	6	-	4
YD-16	16	6	-	5
YS-34	10	3.4	3.8	3
YS-39	10.4	3.9	4.7	4
YS-43	12.2	4.3	6	4
YS-52	13.5	5.2	5.7	5

Wrench For MKT Boring Tool  
MKT专用扳手



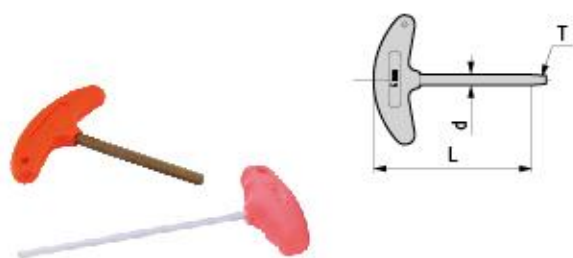
型号 Specification	B	W	L	T
WMKT06	10	2.4	93	2
WMKT09	12	3.4	121	2
WMKT11	15	5.9	139	2
WMKT16	24	9.9	223	2

## Wrench - Flag 旗形星形扳手



型号 Specification	d	L	T
Q06	2.5	84	6
Q07	2.5	84	7
Q08	3	86	8
Q10	3	90	10
Q15	5	94	15
Q20	5	94	20

## Wrench - T T形扳手



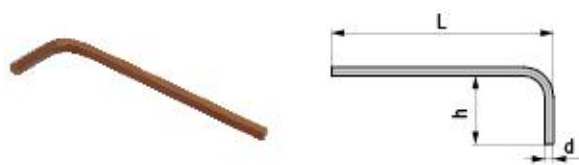
型号 Specification	d	L	T
T02	2	58	2
T025	2.5	66	2.5
T03	3	72	3
T04	4	76	4
T05	5	92	5
T06	6	102	6
T03-L	3	110	3
T04-L	4	120	4
T05-L	5	150	5
T06-L	6	170	6
T08-L	8	190	8
T30M	6	120	30

## Wrench - Star 直柄星形扳手



型号 Specification	d	L	T
T6-Z	2.5	92	6
T8-Z	3	94	8
T10-Z	3	98	10
T15-Z	5	102	15
T20-Z	5	102	20

## Allen Key L形扳手



型号 Specification	d	L	h
L015	1.5	46	14
L02	2	52	12
L025	2.5	60	15
L03	3	65	20
L04	4	70	25
L05	5	78	28
L06	6	85	32
L08	8	97	30
L10	10	118	35
L10T	10	118	30

## O Ring O形圈



型号 Specification	对应刀具 For
Φ8.5*Φ1.5	DBJ筒夹
Φ10*Φ1.5	DBJ筒夹
Φ14*Φ1.5	DBJ筒夹

## Block Nut 限位螺母



型号 Specification	对应刀具 For
MAC-D12	MAC

## Stop Pin 限位销



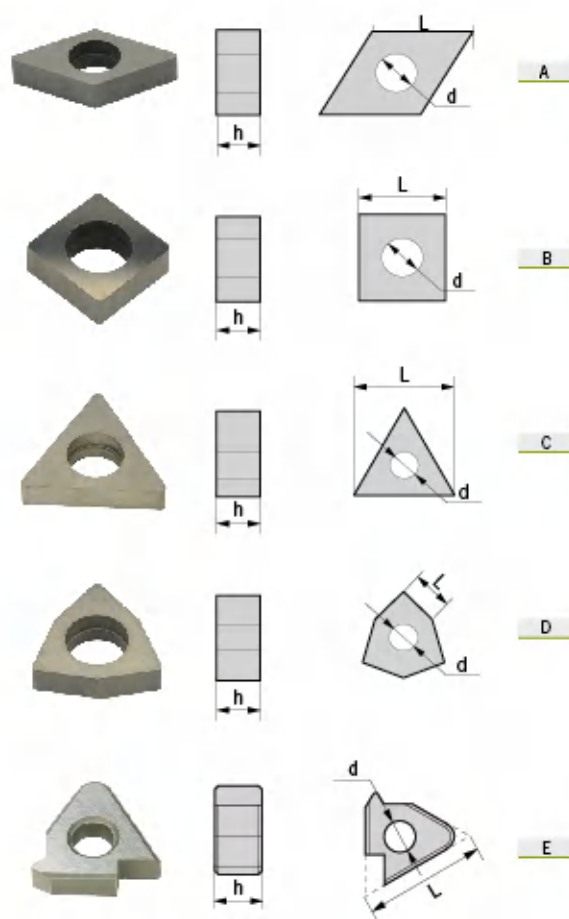
型号 Specification	对应刀具 For
DCK1-XD4	CBH/DBH
DCK2-XD5	FBH/ABH/DBH
DCK3-XD7	FBH/ABH/DBH
DCK4-XD8.5	FBH/ABH/DBH
DCK5-XD11	FBH/ABH/DBH
DCK6-XD14	
DCK7-XD18	CBH/DBH

## Block Pin 挡销



型号 Specification	对应刀具 For
D4-18	DBH
D5-18	FBH/CBH-L/CBH/DBH

## Shim For Turning Tool Holder 车刀刀垫



型号 Specification	图示 Figure	d	h	L
MD1103	A	6	3	11
MD1504	A	6	4	15
MD1506	A	6	6	15
MC1204	A	8	4	12
MC1604	A	8	4	16
MC1904	A	8	4	19
MV1603	A	8	3	16

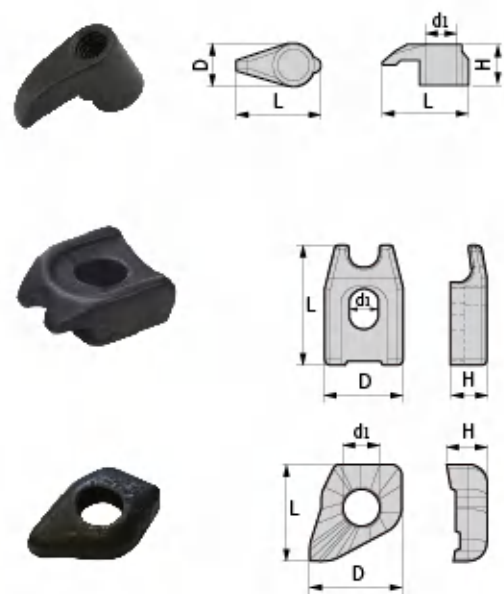
型号 Specification	图示 Figure	d	h	L
MS1204	B	6	4	12
MS1504	B	10	4	15
MS1904	B	11	4	19

型号 Specification	图示 Figure	d	h	L
MT1603	C	6	3	16
MT2204	C	8	4	22

型号 Specification	图示 Figure	d	h	L
MW0603	D	6	3	6
MW0804	D	6	4	8

型号 Specification	图示 Figure	d	h	L
YE(I)16	E	4.3	3.18	16.45
YE22(R)	E	5.2	3.97	21.65
YI22(L)	E	5.2	3.97	21.65
YE27(R)	E	6.1	5.5	27
YI27(L)	E	6.1	5.5	27

## Clamp For Turning Tool Holder 车刀压板

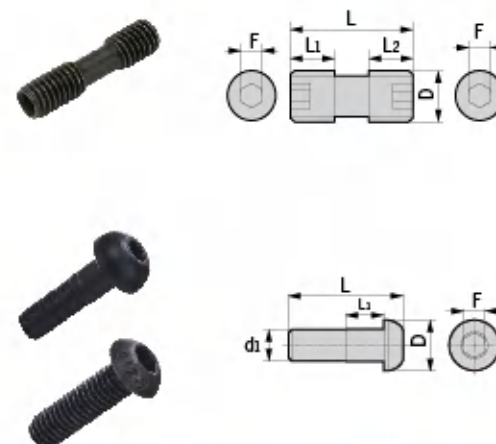


型号 Specification	D	d1	L	H
MY0515-A	7.8	5	14.7	9.6
MY0619	8.6	6	18.15	11.4
MY0621	9.5	6	21.5	13.2
MY0819	11	8	19.1	14.2
MY0823	11	8	22.5	15.8
MY0826	11	8	25.5	16.8

型号 Specification	D	d1	L	H
WYT16	16	6	18.05	6.5
WYW08	17	8	19.66	7.2

型号 Specification	D	d1	L	H
GYR/L	14.5	6.5	18	7.2

## Clamping Screw For Turning Tool Holder 车刀压板螺钉

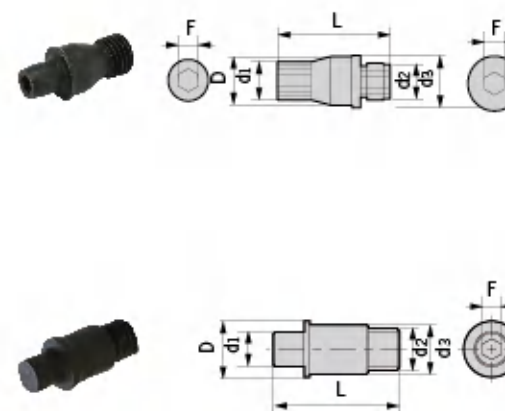


型号 Specification	D	L1	L2	L	H
ML0516	M5*0.8	8	5	16	2.5
ML0520	M5*0.8	7	6	20	2.5
ML0620	M6*1.0	7	7	20	3
ML0625	M6*1.0	8.3	8.3	25	3
ML0828	M8*1.0	12	10	24.7	4

型号 Specification	D	L1	L2	L	H
WL0625	11	6.8	M6*1.0	25	3
WL0825	12.5	7	M8*1.25	28	4

型号 Specification	D	L1	L2	L	H
B0620	10	20	M6*1.0	24	4

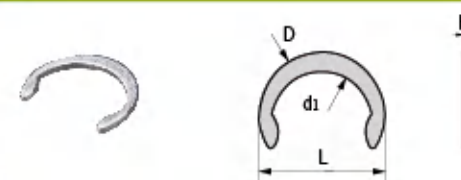
## Center Screw For Turning Tool Holder 车刀中心螺钉



型号 Specification	d3	d1	d2	D	L	F
MX0510	4	3.65	M5*0.8	5.6	10.1	2
MX0513	5.46	3.65	M5*0.8	6.2	12.88	2
MX0611	5.15	5	M6*1.0	6.86	11.2	2.5
MX0613	7.07	5	M6*1.0	7.83	15.5	2.5
MX0617	7.17	5	M6*1.0	7.76	17.2	2.5
MX0619	7.1	5	M6*1.0	7.8	18.4	2.5
MX0822	9.45	6.17	M8*1.0	10.2	21.8	3
MX1022	11	7.95	M10*1	11.95	22.1	4

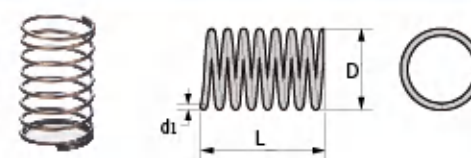
型号 Specification	d3	d1	d2	D	L	F
WX0515	6.2	3.6	M5*0.8	5.5	15.5	2.5
WX0618	7.8	5	M6*1.0	7.2	18	3
WX0822	10.2	6.2	M8*1.0	9.5	22	4

## C Ring For W-type Turning Tool Holders C形环



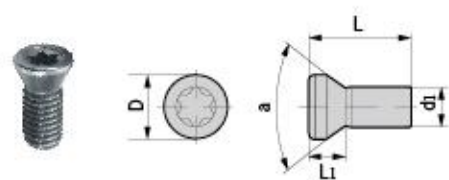
型号 Specification	D	d1	L	H
C6	8	6.5	8	0.5
C8	10	8.5	10	0.5

## Spring For GTBR Grooving Tools 弹簧



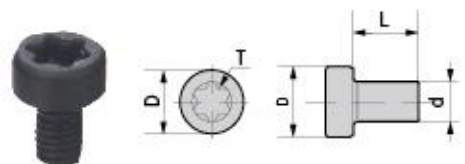
型号 Specification	D	d1	L
SP-0612	7.7	12	0.6

## Clamping Screw For Turning Tool Holder 车刀刀片螺钉



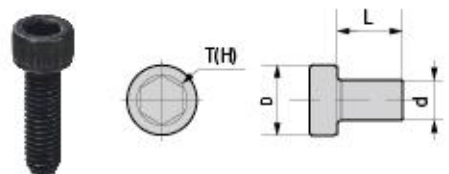
型号 Specification	D	L	L1	d1	a
M2*4	2.7	3.7	1.2	M2*0.4	60°
M2*5	2.7	4.7	1.2	M2*0.4	60°
M2.2*5	3.2	5	1.7	M2.2*0.45	60°
M2.2*6	3.4	6	1.7	M2.2*0.45	60°
M2.2*7	3.4	7	1.7	M2.2*0.45	60°
M2.5*5	3.7	5	2	M2.5*0.45	44°
M2.5*6	3.7	6	2	M2.5*0.45	44°
M2.5*7	3.7	7	2	M2.5*0.45	44°
M2.5*9	3.7	9	2	M2.5*0.45	44°
M3*6	4.1	6	2	M3*0.5	60°
M3*7	4.1	7	2	M3*0.5	60°
M3.5*7	5.5	7	3	M3.5*0.6	60°
M3.5*8	5.5	8	3	M3.5*0.6	60°
M3.5*9	5.5	9	3	M3.5*0.6	60°
M3.5*12	5.5	12	3	M3.5*0.6	60°
M4*9	5.6	9	2.5	M4*0.7	60°
M4*14	5.7	14.2	3	M4*0.7	60°
M5*10	6.3	10	2.8	M5*0.8	44°
M5*12	6.3	12	2.8	M5*0.8	44°
M5*16	6.3	16	2.8	M5*0.8	44°
M5*20	6.3	20	2.8	M5*0.8	60°

## Side Screw For Threading Holders 侧螺钉



型号 Specification	D	L	L1	d1
SA3007	5.5	7	2.6	M3*0.5

## Clamping Screw For Grooving Holders 槽刀螺钉



型号 Specification	D	L	L1	d1
GS030100	5.5	10	3	M3*0.5
GS050120	8.5	12	5	M5*0.8
GS050160	8.5	16	5	M5*0.8
GS060160	10	16	6	M6*1.0
GS060200	10	20	6	M6*1.0
GS060250	10	25	6	M6*1.0

## Z-Axial Zero-Setter Z-量表式Z轴设定器



型号 Specification	形式 Type	总高度 Chief height	伸缩距离 Flex distance
EDS-50	量表式	50	3

### 特点 / Feature

- 将平行规置于标准面。转动百分表，使长针归零。将平行规移开。
- 将Z轴设定器置于工件上，刀具接触操作面，慢速进刀到秒针指在“0”，则刀具与工件的距离是50mm。
- Have the central measuring portion of the zero setter presetter against a plain surface and aligned if with the outer reference surface. Turn the dial gauge for zero setting.
- Have the cutter touched against the Z zero setter. Once the indicator position at zero the distance between the tool tip to workpiece is 50mm.

## Z-Axial Zero Setter (Magnetic) Z-量表式Z轴设定器附磁性



型号 Specification	形式 Type	总高度 Chief height	伸缩距离 Flex distance
ZDI-100	量表式	100	3

## 3D Master 三轴 (3D) 设定器



型号 Specification	柄部直径 Shank diameter	针头直径 Needle diameter
3D-D	20	4

Titanium Coated Edge Finder  
镀钛寻边器



型号  
Specification

ME-1020-Y  
ME-420-Y

Ceramic Edge Finder  
陶瓷寻边器



型号  
Specification

ME-1020-C  
ME-420-C

Electronic Edge Sensor  
光电式寻边器



型号 Specification	柄部直径 Shank diameter	总长度 Total length	测头 Probe
PM20	20	147	10
PM32	32	147	10

特点 / Feature

- 电池: 1.2V
- 红灯指示
- Battery voltage: 1.2V
- With red LED light

Spindle Cleaner  
清洁棒



型号  
Specification

STC30  
STC40  
STC50  
STC40-HSK  
STC50-HSK  
STC63-HSK  
STC100-HSK

Tool Lock (Fixed)  
立卧式锁刀座



型号 Specification	型号 Specification	型号 Specification
TL-HSK50	TL-SK30	TL-BT30
TL-HSK63	TL-SK40	TL-BT40
TL-HSK100	TL-SK50	TL-BT50

Tool Lock (Multi-direction)  
万向式锁刀座



型号  
Specification

TLW-BT30  
TLW-BT40  
TLW-BT50

Trolley For Tool Holder  
刀库车



型号 Specification	装刀数 Amount
TTH-30	36
TTH-40	35
TTH-50	25

Holder Sheath  
刀柄座



型号  
Specification

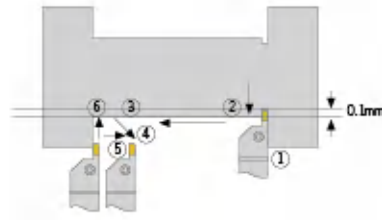
TS-30  
TS-40  
TS-50

故障	原因	措施
刀具破损	有关于被加工材料时	<ul style="list-style-type: none"> <li>减少进给量</li> <li>减少突出量</li> <li>最大限度的减少切削刃刃总的长部</li> </ul>
	正常作业时	<ul style="list-style-type: none"> <li>减少进给量</li> <li>初期更换刀具(调整磨量)</li> <li>更换夹头与套筒</li> <li>减少突出量</li> <li>研磨刀刃使用刃数少的立铣刀(4刃→2刃)</li> </ul>
	变更进给方向时	<ul style="list-style-type: none"> <li>改变进给方向之前减少进给量</li> <li>更换夹头和套筒</li> </ul>
切削刃刃破损	Cornet部损坏	<ul style="list-style-type: none"> <li>使用手用丝锥画切角</li> <li>将逆铣变更为顺铣</li> </ul>
	切削深度的末端部位破损	<ul style="list-style-type: none"> <li>将逆铣变更为顺铣</li> <li>降低切削速度</li> </ul>
	刃口损坏	<ul style="list-style-type: none"> <li>向刃口增加珩磨量</li> <li>降低切削速度</li> <li>如果作业过程中发出了“哐”声,请增加进给量</li> </ul>
	严重的缺口现象	<ul style="list-style-type: none"> <li>降低进给速度</li> <li>使用刃数少的立端铣刀</li> <li>向刃口增加珩磨量</li> <li>(solid endmill的情况下)将干式作业变更为湿式作业</li> <li>(brazed endmill的情况下)将湿式作业变更为吹气的干式作业</li> <li>保持合理的切削速度</li> </ul>
发生突发性地磨损现象	<ul style="list-style-type: none"> <li>发生突发性地磨损现象</li> <li>降低进给速度</li> <li>将逆铣变更为顺铣</li> <li>增加进给速度</li> </ul>	
加工面的粗糙度不良	表面粗糙时	<ul style="list-style-type: none"> <li>降低进给速度</li> <li>使用刃数多的立端铣刀(2刃→4刃)</li> </ul>
	形成积屑刃口	<ul style="list-style-type: none"> <li>增加切削速度</li> <li>采用湿式切削方式</li> <li>向刃口增加微细的珩磨量</li> <li>将逆铣变更为顺铣</li> </ul>
	加工面上形成横向条纹	<ul style="list-style-type: none"> <li>向刃口增加微细的珩磨量</li> <li>使用不溶性切削油</li> <li>将逆铣变更为顺铣</li> </ul>
发生振动	<ul style="list-style-type: none"> <li>增加进给量</li> <li>变更切削速度</li> <li>减少突出量</li> <li>粗削作业时采用双刃立铣刀</li> <li>正常作业时采用4刃立端铣刀,将逆铣变更为顺铣</li> </ul>	

损伤类型	工具材料及材质的选择	工具形状的选择	切削条件的选择	相关被加工材料	
磨损	机械性磨损	选择属于同一个系列,且耐磨性高的材料	增加刃后角,增加副切削角,增加刃口半径减少珩磨量	降低切削速度,调为便利的进给速度,使用适宜的切削油	硬质材料
	热磨损	选择属于同一个系列,且耐磨性高的材料	适当地调整刃后角,副切削角,刃口半径	降低切削速度,减少切削量使用适宜的切削油(可以使用切削油)	硬质材料
	溶着扩散磨损	选择属于同一个系列,且耐磨性高的材料	增加倾斜角	降低切削速度,减少切削量使用适宜的切削油	钢系材料
	压缩物分离磨损	选择属于同一个系列,且耐磨性高的材料	倾斜角选择最适合的材质的角度增加副切削角,减少珩磨量	降低切削速度,减少切削量使用适宜的切削油	N系耐热合金Co系耐热合金不锈钢高强度钢
	化学性磨损	使用陶瓷,金属陶瓷材料	适当地增加刃后角	降低切削速度,减少进给量,使用干式或含少极压添加剂的切削油	一般材料
热龟裂	使用高韧性材料	采用刃口部位角度及刃口半径的热发生较少的形状	降低切削速度,减少进给量,使用干式切削方式	钢系材料	
烧成变形	采用抗压能力强的材料	增加刃后角,倾斜角,刃口半径,减少主切削角,珩磨量	降低切削速度,进给幅度以及切削量,采用沧桑却效果好的切削油	硬质ROLL	
缺口	使用高韧性材料	减少刃口部位角,增加刃口半径增加珩磨量	选择适宜的切削速度,减少进给量	一般材料	
发黑	采用磨蚀性好的材料	减少倾斜角,增加锥角,增加珩磨量	减少进给量,减少切削量,使用切削油(可以使用的切削油)	一般材料,硬质材料	
缺损	机械性重复引起的冲撞缺损	使用高韧性材料	减少刃口部位角,增加刃口半径增加珩磨量	选择适宜的切削速度,减少进给量,选择适宜的切削量	一般材料
	热冲撞缺损	使用高韧性材料	采用刃口部位角度及刃口半径的热发生较少的形状,减少珩磨量	降低切削速度,减少进给量,减少切削量,采用干式切削方式	一般材料
	热缺损	使用耐磨性好的材料	采用刃口部位角度及刃口半径的热发生较少的形状,减少珩磨量	降低切削速度,减少进给量,减少切削量,使用适宜的切削油	一般材料,硬质材料
	压榨分离缺损	使用高韧性材料	减少倾斜角,增加刃口半径,增加珩磨量	提高切削速度,增加进给量,使用润滑性能高的切削油	N系耐热合金Co系耐热合金不锈钢高强度钢
	烧成变形缺损	使用耐磨性好的材料,金属陶瓷材料不适合	调整为适宜的刃后角,倾斜角,减少主切削角,减少刃口半径,减少珩磨量	降低切削速度,减少进给量,使用适宜的切削油,对陶瓷材料不使用	一般材料,硬质材料
	切削刃的粗糙度引起的缺损	使用高韧性材料	谨慎进行刀具研磨,降低磨石的颗粒度,注意刃口的研磨方向	降低切削速度,减少进给量,减少切削量	一般材料
	研磨变形及铜焊接变化引起的缺损	使用高韧性材料,不行使用陶瓷,金属陶瓷材料	考虑丝锥的柄部的厚度比谨慎进行研磨操作,铜焊接时缓慢退火	降低切削速度,减少进给量,减少切削量	一般材料

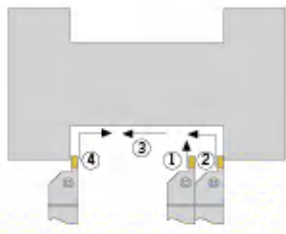
### 切断/Parting-off Tool

- 1.当刀片接近工件中心，应降低切削速度30%，有利于提高刀片寿命和表面质量。
  - 2.在允许的情况下，尽可能选用悬伸小的刀柄，以保证良好的稳定性。
1. When the insert was close to the workpiece, should reduce 30% of cutting speed to improve the insert lifetime and surface quality.
2. In Perm, if allowed, in order to keep stability, please choose the holder as short as we can.



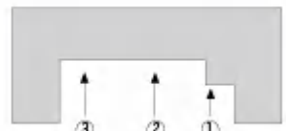
### 外圆切槽和车削,仿形车削 External grooving turning, and profiling

- 走刀顺序：切削深度 > 0.5mm 时，径向进刀（最大切深可 0.75 \* 刀片刃宽 S）→ 径向退刀 0.1mm 左右 → 轴向走刀 → 斜向退刀 → 轴向走刀 → 径向加工到所需深度。
- 切削底经或倒角（精加工）时，采用如图所示操作顺序，可减小刀具与切屑的摩擦而引起的小振动。
- The sequence of feed: during depth of cut > 0.5mm, radial direction feeding (deepest depth of cut can reach 0.75 \* insert blade width S) → radial direction retract around 0.1mm → axial direction feeding → slant direction retract axial direction feeding → radial direction processing till to reach the required depth.
- During cutting or chamfering (finish machining), operate as the sequence shown in this figure will reduce the small vibration generated from the cutting tools and the friction during cutting.

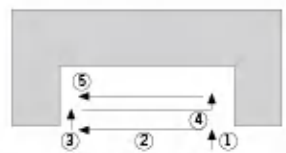


### 端面切槽和车削 Face Grooving and Turning

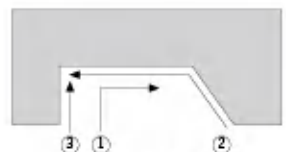
- 粗加工（多槽切削）Rough machining (multiple-grooved cutting)  
从最大直径向内切削，退刀时，刀片稍向内边缘偏移。如图示（1）  
During retract after cutting from the biggest diameter to inner, shift the insert to the inner edge a little. As shown in figure(1)
- 凹槽车削/Recessing  
轴向车削深度不超过 0.75 \* S（刀片刃宽）  
槽宽大于槽深，建议使用凹槽车削，如图示（2）  
槽深大于槽宽，建议使用采用多槽切削。  
Axial direction turning depth not exceeding 0.75 \* S (insert blade width);  
when groove width is bigger than groove depth, it is suggested to use recessing tool, as shown in figure(2);  
when groove depth is bigger than groove width, it is suggested to use multiple-grooving turning.
- 精加工/Finishing  
先精加工底部和外径边缘，再将内径精加工到所需尺寸。如图示（3）  
First to finish machine the bottom and outer diameter edge, and then finish machine the inner diameter to the required dimensions. As shown in figure(3)



图示（1）  
Figure1



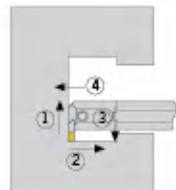
图示（2）  
Figure2



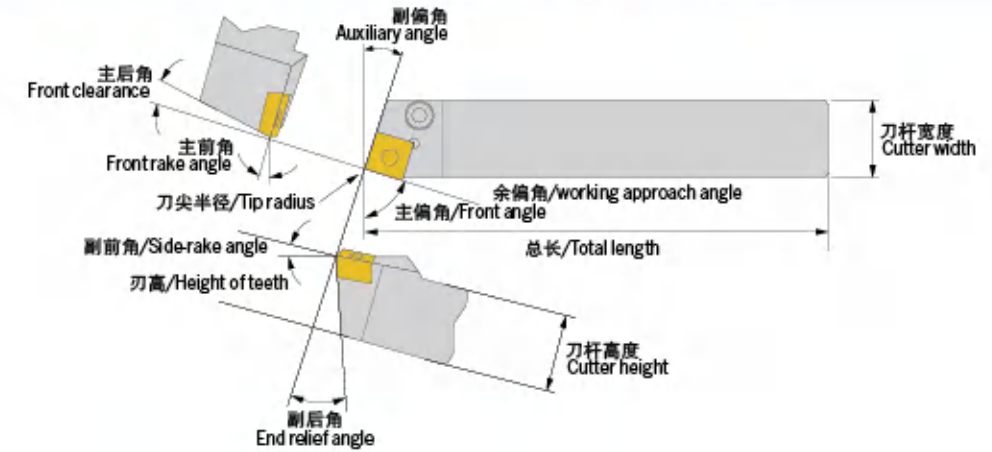
图示（3）  
Figure3

### 内孔切槽车削/Internal Grooving and Turning

- 采用图示的加工顺序/Internal grooving tools  
便于切削流出，总是从远离孔端面的方向开始向外进给。  
Using the processing sequence as shown in this figure  
For better cutting outflow, always feed outward from the direction that far from the hole end face.

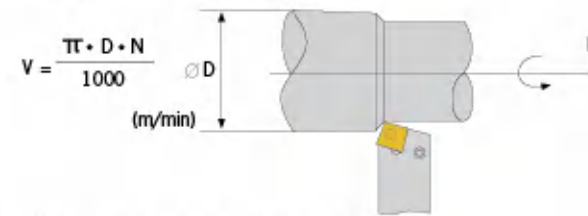


### 车削刀杆技术资料/Technical Guide of Turning tools



### 常用切削公式/Common Formulas of Cutting

#### ■切削速度/Cutting Speed



V: 切削速度 (m/min)  
D: 工作直径 (mm)  
N: 转速 (rpm)  
π: 圆周率 (3.14)

#### ■进给/Feed

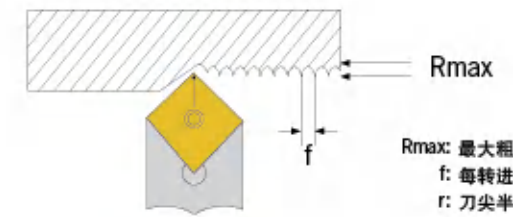
$$f = \frac{F}{N} \text{ (m/min)}$$

f: 每转进给 (m/rev)  
F: 每分钟进给 (m/min)  
N: 转速 (rpm)

#### ■表面粗糙度/Surface Roughness

理论表面粗糙度/Theory surface roughness

$$R_{max} = \frac{f^2}{8r} \cdot 1000 \text{ (}\mu\text{m)}$$



Rmax: 最大粗糙度 (μm)  
f: 每转进给 (mm/rev)  
r: 刀尖半径

#### ■刀尖半径和进给对粗糙的影响

Effects on Roughness from Cutting Feed and Nose Radius

进给量/Cutting Feed	刀尖半径/Insert Radius		
	0.4	0.8	1.2
0.15			
0.26			
0.46			

**R P M T 10 T3 MO S**  
1 2 3 4 5 6 7 8

1	刀片形状 Shape	2	后角 Clearance Angle	3	公差 Tolerance (mm)																																						
A		M		<table border="1"> <thead> <tr> <th>d</th> <th>m</th> <th>s</th> </tr> </thead> <tbody> <tr> <td>A ±0.025</td> <td>±0.005</td> <td>±0.025</td> </tr> <tr> <td>C ±0.025</td> <td>±0.013</td> <td>±0.025</td> </tr> <tr> <td>E ±0.025</td> <td>±0.025</td> <td>±0.025</td> </tr> <tr> <td>F ±0.013</td> <td>±0.005</td> <td>±0.025</td> </tr> <tr> <td>G ±0.025</td> <td>±0.025</td> <td>±0.130</td> </tr> <tr> <td>H ±0.013</td> <td>±0.013</td> <td>±0.025</td> </tr> <tr> <td>J<sup>1</sup> ±0.05-0.15<sup>2</sup></td> <td>±0.005</td> <td>±0.025</td> </tr> <tr> <td>K<sup>1</sup> ±0.05-0.15<sup>2</sup></td> <td>±0.013</td> <td>±0.025</td> </tr> <tr> <td>L<sup>1</sup> ±0.05-0.15<sup>2</sup></td> <td>±0.025</td> <td>±0.025</td> </tr> <tr> <td>M ±0.05-0.15<sup>2</sup></td> <td>±0.08-0.20<sup>2</sup></td> <td>±0.130</td> </tr> <tr> <td>N ±0.05-0.15<sup>2</sup></td> <td>±0.05-0.20<sup>2</sup></td> <td>±0.025</td> </tr> <tr> <td>U ±0.08-0.25<sup>2</sup></td> <td>±0.13-0.38<sup>2</sup></td> <td>±0.130</td> </tr> </tbody> </table>	d	m	s	A ±0.025	±0.005	±0.025	C ±0.025	±0.013	±0.025	E ±0.025	±0.025	±0.025	F ±0.013	±0.005	±0.025	G ±0.025	±0.025	±0.130	H ±0.013	±0.013	±0.025	J <sup>1</sup> ±0.05-0.15 <sup>2</sup>	±0.005	±0.025	K <sup>1</sup> ±0.05-0.15 <sup>2</sup>	±0.013	±0.025	L <sup>1</sup> ±0.05-0.15 <sup>2</sup>	±0.025	±0.025	M ±0.05-0.15 <sup>2</sup>	±0.08-0.20 <sup>2</sup>	±0.130	N ±0.05-0.15 <sup>2</sup>	±0.05-0.20 <sup>2</sup>	±0.025	U ±0.08-0.25 <sup>2</sup>	±0.13-0.38 <sup>2</sup>	±0.130
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A		J	
B		M	
C		N	
F		Q	
G		R	
H		T	
		U	
		W	
		X	Special 必须提供图纸和 精确说明

6	刀片厚度 Thickness	7	刀尖圆角 Radius	8	切削刃形状 Shape Of Cutting Edge
	 01 s=1.59 T1 s=1.98 02 s=2.38 T2 s=2.78 03 s=3.18 T3 s=3.97 04 s=4.76 05 s=5.56 06 s=6.35 07 s=7.94 09 s=9.52	 01 r=0.1 02 r=0.2 04 r=0.4 08 r=0.8 12 r=1.2 16 r=1.6 24 r=2.4			

**T N M G 22 04 08 -DM**

1 2 3 4 5 6 7 8

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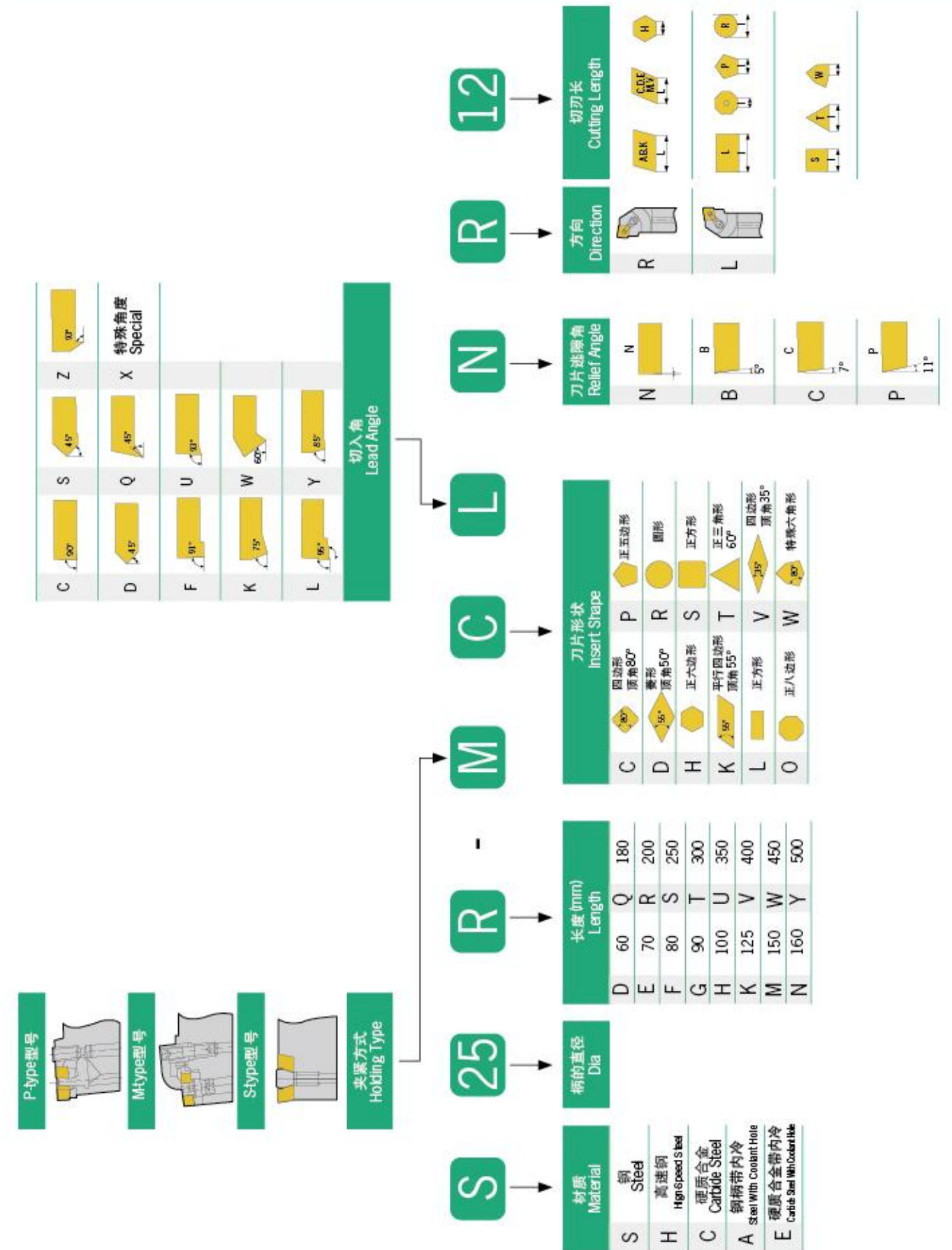
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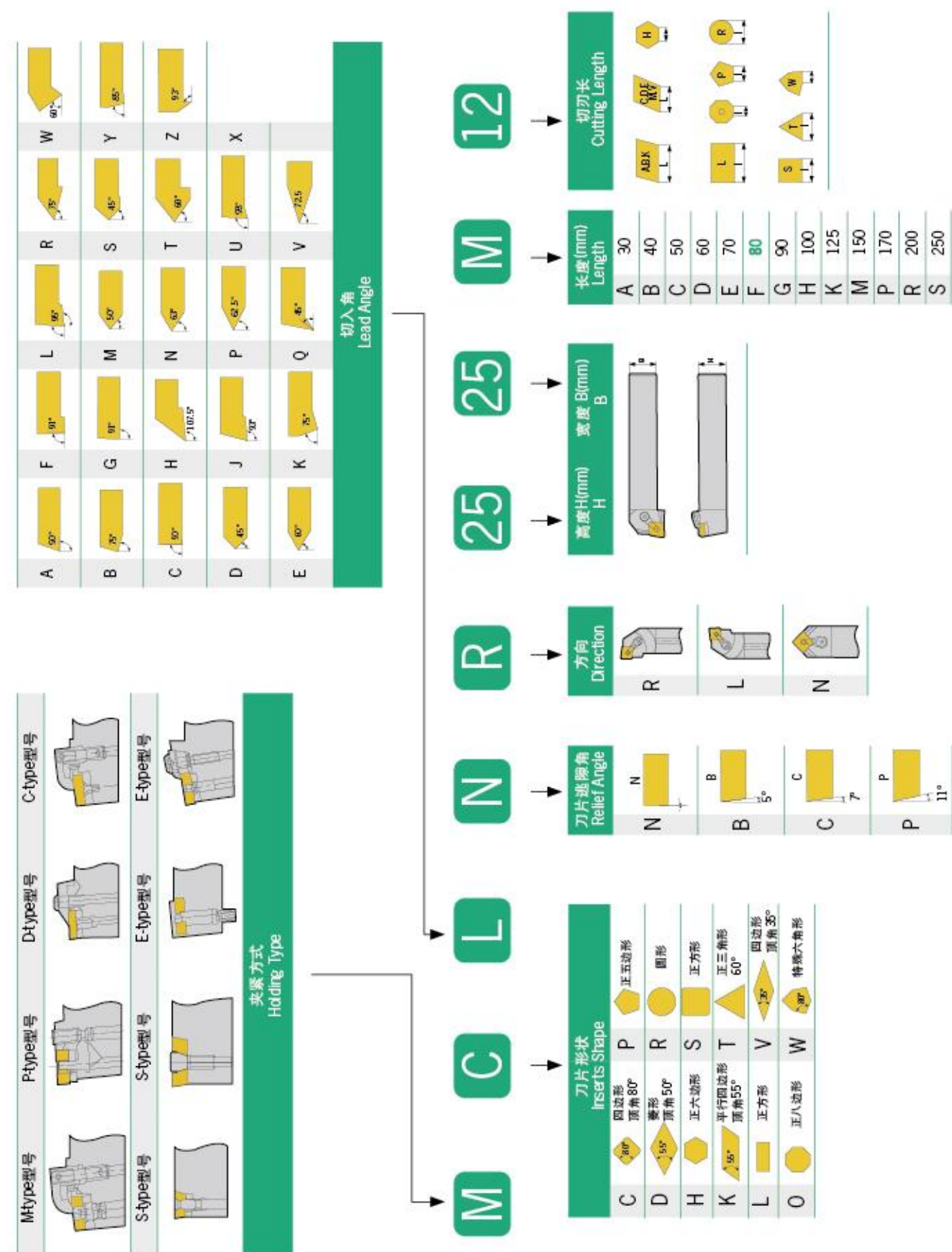


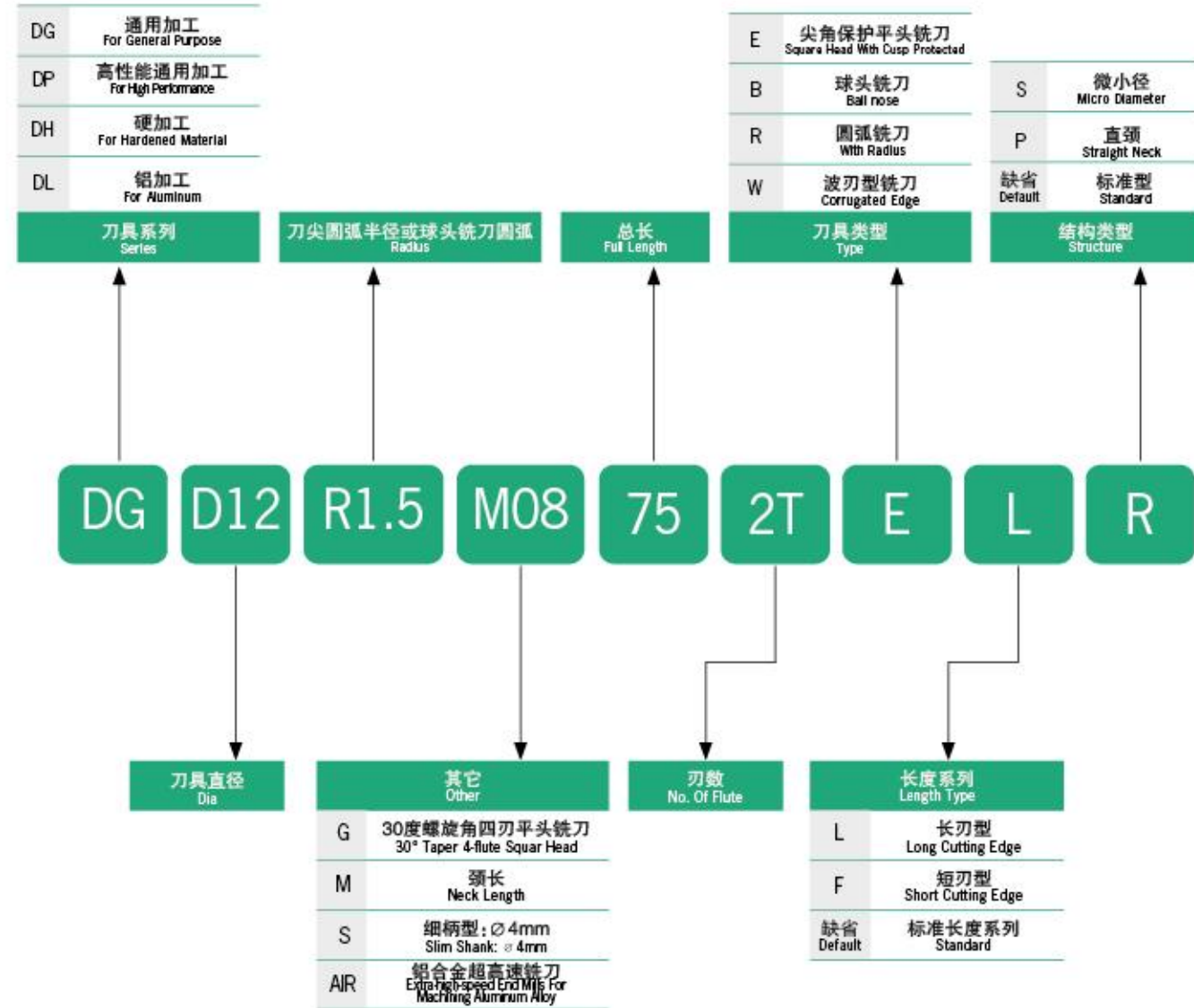
Inserts Codes System - Threading  
螺纹车刀片牌号说明

1 刀片尺寸 Size		2 刀片形式 Shape		3 刀片类型 Type		4 螺纹旋向 Direction			
L (mm)	D	标准型 Standard		E 外螺纹 External	R 右旋螺纹 Right Hand Insert				
06	5/32"	U型 U Style		I 内螺纹 Internal	L 左旋螺纹 Left Hand Insert				
08	3/16"	立装型 V Style		E					
11	1/4"			I					
16	3/8"								
22	1/2"								
27	5/8"								
16		E	R	1.5	ISO				
16	X	E	R	1.5	ISO				
22		N	R	1.5	ISO	3	M		
27	V	N	R	3.0	ISO				
27	U	E		8.0	TR				
1	2	3	4	5	6	7	8		
5 螺距 Pitch		6 螺纹标准 Thread Profile		7 齿数 (梳齿型M) Multitooth		8 梳齿刀片形式 Shape			
完全形 Full Profile		60° —— 60°通用型螺纹 Partial profile 60° 55° —— 55°通用型螺纹 Partial profile 55° ISO —— ISO标准型螺纹 ISO Metric UN —— 60°美制统一标准型螺纹 UN UNJ —— 60°美制航空天螺纹 UNJ W —— 55°美国惠氏螺纹 Whitworth NPT —— 60°美国标准锥管螺纹 NPT NPTF —— 60°美制干密封螺纹 NPTF BSPT —— 55°英制标准锥管螺纹 BSPT ACME —— 美制29°梯形螺纹 ACME STACME —— 美制29°短齿梯形螺纹 Stub ACME TR —— 30°标准梯形螺纹 Trapez DIN 103 ABUT —— 美制锯齿形螺纹 American Buttress BBUT —— 英制锯齿形螺纹 British Buttress RD —— 消防食品机械圆螺纹 Round DIN 405 RD20400 —— 消防食品机械圆螺纹 Round DIN 20400 APIRD —— API圆螺纹 API Round BUT —— API偏梯和螺纹 BUT Casing Pg —— PG		2 3 5 6 8		M			
螺距 mm	牙距 TPI	局部面截顶形 Partial Profile							
0.5-6	48-4	A	0.5-1.5 48-16						
		AG	0.5-3.0 48-8						
		G	1.75-3.0 14-8						
		N	3.5-5.0 7-5						
		Q	5.5-6.0 4.5-4						
		V	6.0-10 4-2.5						

Internal Turning Tools-Code System  
内孔车刀型号说明示范







$$V = \frac{3.14 \times D \times N}{1000} \text{ (m/min)}$$

V: 切削速度(m/min) D: 铣刀直径(mm)

$$F = F_z \times Z \times N \text{ (mm/min)}$$

$$F_z = \frac{F}{Z \times N} \text{ (mm/tooth)}$$

N: 转速(r.p.m) F: 工作台进给(mm/min)  
Fz: 每刃进给量(mm/tooth) Z: 刃数

$$W = \frac{Q \times K_s}{60 \times 102 \times \eta} \text{ (Km)}$$

W: 所需动力 HP: 所需马力

$$H_p = \frac{W}{0.75} \text{ (Km)}$$

Q: 排出量 L: 切削速度

$$Q = \frac{L \times F \times d}{1000} \text{ (Km)} = \frac{d \times f \times V \times L \times z}{3.14 \times D}$$

F: 工作台进给(mm/min) d: 切削深度(mm)  
Ks: 非切削阻栏 η: 机械效率

Surface Roughness Formula  
表面粗糙度的理论值Rmax的计算公式

$$R_{max} = \frac{f_n^2}{8r} \times 1000, \mu\text{m}$$

Rmax: 残留面积高度, μm  
Vertical deviations of the roughness from the mean line

r: 刀尖半径Insert Radius (mm)

f<sub>n</sub>: 每转进给Feed Rate (mm/rev)

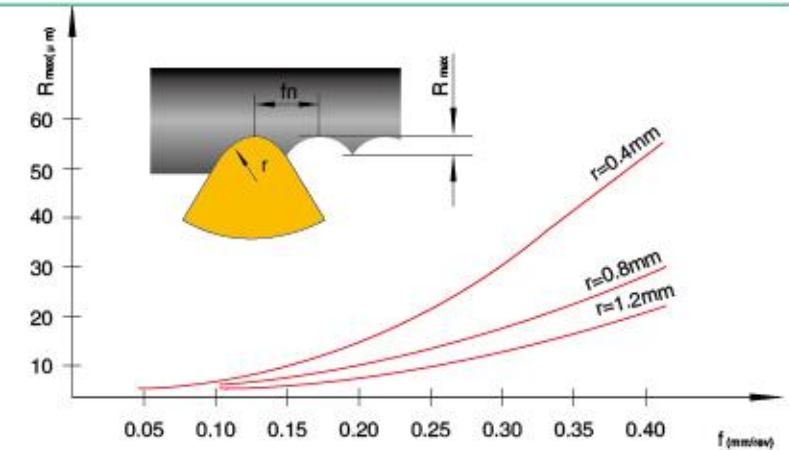


Table of Surface Roughness, Insert Radius & Feed Rate  
表面粗糙度与刀尖半径, 进给量的关系表

Rt	Ra	ISO1302	刀尖半径及进给量 (mm/rev) Insert Radius (r) / Feed Rate (mm/rev)			
			r=0.4	r=0.8	r=1.2	r=1.6
√Rt100	12.5-25	25/	-	0.51	0.69	0.88
√Rt63	6.3-25	12.5/	0.27	0.43	0.56	0.68
√Rt40	4.9-6.3	6.3/	0.25	0.37	0.49	0.57
√Rt31.5	4.0-4.9		0.22	0.32	0.41	0.47
√Rt25	2.5-4.0	3.2/	0.20	0.28	0.36	0.39
√Rt16	1.6-2.5		0.15	0.22	0.29	0.31
√Rt10	1.0-1.6	1.6/	0.10	0.13	0.18	0.20

Cutting Table For Taps (Straight Shank)  
转速表与丝锥标准切削参数 (带直槽丝锥)

D螺纹加工	加工材料 Work Piece							
	低碳钢 (C≦0.20%)	中碳钢 (0.25~C) 铸钢 (41xx钢) 球墨铸铁 (FCD)	高碳钢 (0.45%≦C) 合金工具钢 (SKD11钢 (Cu))	硬化钢 (HRC25~45)	不锈钢 (SUS)	铸钢 (SG)	灰铸铁 (FC) 黄铜/青铜零件 (C20xx/CAC2xx) 铝合金压铸件 (ADC)	铝压铸 (Al)塑料 (树脂树脂、聚苯乙烯)
	标准切削速度 Cutting Speed							
	8~13m/min	7~12m/min	6~9m/min	3~5m/min	4~7m/min	6~11m/min	10~15m/min	10~20m/min
M 2	1270~2070	1110~1910	960~1430	480~800	640~1110	960~1750	1590~2390	1590~3180
M 2.2	1160~1880	1010~1740	870~1300	430~720	580~1010	870~1590	1450~2170	1450~2890
M 2.3	1110~1800	970~1660	830~1250	420~670	550~970	830~1520	1380~2080	1380~2770
M 2.5	1020~1660	890~1530	760~1150	380~640	510~890	760~1400	1270~1910	1270~2550
M 2.6	980~1590	860~1470	740~1100	370~610	490~860	740~1350	1220~1840	1220~3560
M 3	850~1380	740~1270	640~960	320~530	420~740	640~1170	1060~1590	1060~2120
M 3.5	730~1180	640~1090	550~820	270~460	360~640	550~1000	910~1360	910~1820
M 4	640~1040	560~960	480~720	240~400	320~560	480~880	800~1190	800~1590
M 4.5	570~920	500~850	420~640	210~350	280~500	420~780	710~1060	710~1420
M 5	510~830	450~760	380~570	190~320	260~450	380~700	640~960	640~1270
M 5.5	460~750	410~690	350~520	170~290	230~410	350~640	580~870	580~1160
M 6	420~390	370~640	320~480	160~270	210~370	320~580	530~800	530~1060
M 7	360~590	320~550	270~410	140~230	180~320	270~500	460~680	460~910
M 8	320~520	280~480	240~360	120~200	160~280	240~440	400~600	400~800
M 9	280~460	250~420	210~320	110~180	140~250	210~390	350~530	350~710
M 10	260~410	230~380	190~290	95~160	130~220	190~350	320~480	320~640
M 11	230~380	200~350	170~260	87~150	120~200	170~320	290~430	290~580
M 12	210~350	190~320	160~240	80~130	110~190	160~290	270~400	270~530
M 14	180~300	160~270	140~210	68~110	91~160	140~250	230~340	230~460
M 15	170~280	150~260	130~190	64~110	85~150	130~230	210~320	210~420
M 16	160~260	140~240	120~180	60~99	80~140	120~220	200~300	200~400
M 18	140~230	120~210	110~160	53~98	71~120	110~200	180~270	180~350
M 20	130~210	110~190	95~140	48~80	64~110	95~180	160~240	160~320
M 22	120~190	110~170	87~130	43~72	58~100	87~160	150~220	150~290
M 24	110~170	93~160	80~120	40~66	53~93	80~150	130~200	130~270
M 25	100~170	89~150	76~120	38~64	51~89	76~140	130~190	130~260
M 26	98~160	86~150	73~110	37~61	49~86	73~140	120~180	120~250
M 27	94~150	83~140	71~110	35~59	47~93	71~130	120~180	120~240
M 28	91~150	80~140	68~100	34~57	45~80	68~130	110~170	110~230
M 30	85~140	74~130	64~95	32~53	42~74	64~120	110~160	110~210
M 32	80~130	70~120	60~90	60~50	40~70	60~110	99~150	99~200

Cutting Table For Taps (Straight Shank)  
转速表与丝锥标准切削参数 (带直槽丝锥)

D螺纹加工	加工材料							
	低碳钢 (C≦0.20%)	中碳钢 (0.25~C) 铸钢 (41xx钢) 球墨铸铁 (FCD)	高碳钢 (0.45%≦C) 合金工具钢 (SKD11钢 (Cu))	硬化钢 (HRC25~45)	不锈钢 (SUS)	铸钢 (SG)	灰铸铁 (FC) 黄铜/青铜零件 (C20xx/CAC2xx) 铝合金压铸件 (ADC)	铝压铸 (Al)塑料 (树脂树脂、聚苯乙烯)
	标准切削速度							
	8~13m/min	7~12m/min	6~9m/min	3~5m/min	4~7m/min	6~11m/min	10~15m/min	10~20m/min
M 33	77~130	68~120	58~87	29~48	39~68	58~110	96~150	96~190
M 35	73~120	64~110	55~82	27~45	36~64	55~100	91~140	91~180
M 36	71~120	61~110	53~80	27~44	35~62	53~98	88~130	88~180
M 38	67~110	59~100	50~75	25~42	34~59	50~92	84~130	84~170
M 39	65~110	57~98	49~73	24~41	33~57	49~90	82~120	82~160
M 40	64~100	56~95	48~72	24~40	32~56	48~88	80~120	80~160
M 42	61~99	53~91	45~68	23~38	30~53	45~83	76~110	76~150
M 45	57~92	50~85	42~64	21~35	28~50	42~78	71~110	71~140
M 48	53~86	46~80	40~60	20~33	27~46	40~73	66~99	66~130
M 50	51~83	45~76	38~57	19~32	25~45	38~70	64~95	64~130
M 52	50~80	43~73	37~55	18~31	24~43	37~67	61~92	61~120
M 55	46~75	41~69	35~52	17~29	23~41	35~64	58~87	58~120
M 56	45~74	40~68	34~51	17~28	23~40	34~63	57~85	57~110
M 58	44~71	38~66	33~50	16~27	22~38	33~60	55~82	55~110
M 60	42~69	37~64	32~48	16~27	21~37	32~58	53~80	53~110
M 62	41~67	36~62	31~46	15~26	21~36	31~56	51~77	51~100
M 64	40~65	35~60	30~45	15~25	20~35	30~55	50~75	50~99
M 65	39~64	34~59	29~44	15~24	20~34	30~54	50~73	50~98
M 68	37~61	33~56	28~42	14~23	19~33	28~51	47~70	47~94
M 70	36~59	32~55	27~41	14~23	18~32	27~50	45~68	45~91
M 72	35~57	31~53	27~40	13~22	18~31	27~49	44~66	44~88
M 75	34~55	30~51	25~38	13~21	17~30	25~47	42~64	42~85
M 76	34~54	29~50	25~38	13~21	17~29	25~46	42~63	42~84
M 78	33~53	29~49	24~37	12~20	16~29	24~45	41~61	41~82
M 80	32~52	28~48	24~36	12~20	16~28	24~44	40~60	40~80
M 82	31~50	27~47	23~35	12~19	16~27	23~42	39~58	39~78
M 85	30~49	26~45	22~34	11~19	15~26	22~41	37~56	37~75
M 90	28~46	25~42	21~32	11~18	14~25	21~39	35~53	35~71
M 95	27~44	23~40	20~30	10~17	13~23	20~37	34~50	34~67
M 100	25~41	22~38	19~29	10~16	13~22	19~35	32~48	32~64

## Cutting Conditions - Boring 镗刀切削条件

被加工材料 Work Piece	镗孔直径 Dia	精加工 Finishing			粗加工工作 Roughing		
		线速度 V <sub>m</sub> (min)	进给 (mm/rev)	切削深度 (mm)	线速度 V <sub>m</sub> (min)	进给 (mm/rev)	切削深度 (mm)
碳钢 Carbon Steel (S45C, S50C)	25-33	110-140	0.050.15	0.050.30	100-130	0.150.25	4.2
	32-42	115-150	0.050.15	0.050.30	105-140	0.150.30	5.7
	40-55	115-150	0.050.15	0.060.35	105-150	0.150.30	5.7
	52-70	115-150	0.150.2	0.060.35	105-150	0.250.35	6.3
	120-164	115-150	0.150.2	0.070.50	105-150	0.300.40	6.3
合金钢 Alloy Steel (SCM, SNCM)	25-33	100-130	0.050.15	0.050.30	90-120	0.150.25	4.2
	32-42	110-140	0.050.15	0.050.30	100-130	0.150.30	5.7
	40-55	110-150	0.050.15	0.060.35	100-130	0.200.30	5.7
	52-70	110-150	0.150.2	0.060.35	100-130	0.250.35	6.3
	120-164	110-150	0.150.2	0.070.50	100-130	0.300.40	6.3
不锈钢 Stainless Steel (SUS)	25-33	70-100	0.070.15	0.120.35	60-90	0.120.20	4.2
	32-42	80-110	0.070.15	0.120.35	70-100	0.150.25	5.7
	40-55	80-110	0.070.15	0.200.50	70-100	0.150.25	5.7
	52-70	80-110	0.10.20	0.200.50	70-100	0.200.30	6.3
	120-164	80-110	0.10.20	0.250.75	70-100	0.250.35	6.3
铸钢 Cast Iron (FC)	25-33	70-100	0.070.15	0.120.35	60-110	0.200.30	4.2
	32-42	80-110	0.070.15	0.120.35	60-110	0.250.35	5.7
	40-55	80-110	0.070.15	0.200.50	60-110	0.250.35	5.7
	52-70	80-110	0.120.2	0.200.50	60-110	0.300.40	6.3
	120-164	80-110	0.120.2	0.250.75	60-110	0.300.45	6.3
铝合金 Aluminium Alloy (AC)	25-33	150-300	0.050.15	0.120.35	120-300	0.200.30	4.2
	32-42	150-360	0.100.20	0.120.35	150-370	0.250.35	5.7
	40-55	150-360	0.100.20	0.200.50	150-370	0.250.35	5.7
	52-70	150-360	0.100.20	0.200.50	150-370	0.300.40	6.3
	120-164	150-360	0.100.25	0.250.75	150-370	0.300.45	6.3
特殊钢 Special Steel (SKD61)	25-33	3040	0.070.15	0.120.35	2535	0.120.20	4.2
	32-42	4045	0.070.15	0.120.35	3040	0.150.25	5.7
	40-55	4045	0.070.15	0.200.50	3040	0.150.25	5.7
	52-70	4045	0.100.2	0.200.50	3040	0.200.30	6.3
	120-164	4045	0.100.2	0.250.75	3040	0.250.35	6.3
160-204	4045	0.100.2	0.250.75	3040	0.250.35	6.3	

## Cutting Parameters - U-drills 快速钻头切削数据参考

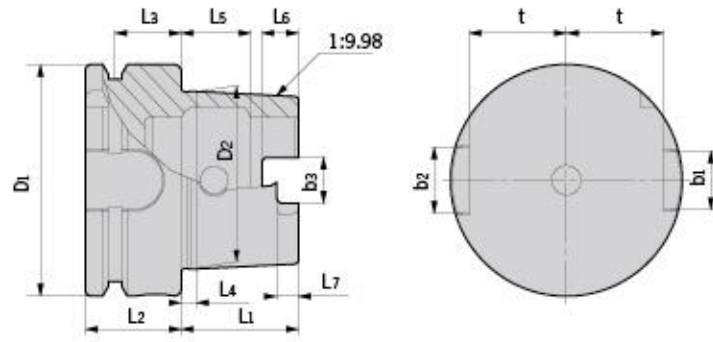
快镗直径 Diameter	材质 Material	转速 RPM	3D切削速度 3XD Feeding	4D切削速度 4XD Feeding
15-17	一般钢 Carbon Steel	2700-2400	Lathe f0.06-0.08 Machine F160-220	Lathe f0.05-0.07 Machine F130-160
18-20		2300-2100	Lathe f0.09-0.11 Machine F200-230	Lathe f0.07-0.09 Machine F160-190
21-23		2000-1900	Lathe f0.1-0.12 Machine F200-220	Lathe f0.09-0.11 Machine F180-200
24-26		1800-1700	Lathe f0.1-0.13 Machine F180-220	Lathe f0.1-0.12 Machine F180-210
27-29		1600-1500	Lathe f0.1-0.13 Machine F160-200	Lathe f0.1-0.12 Machine F160-180
30-32		1500-1400	Lathe f0.1-0.13 Machine F150-180	Lathe f0.1-0.12 Machine F140-170
33-35		1400-1300	Lathe f0.1-0.13 Machine F140-170	Lathe f0.1-0.12 Machine F130-160
36-38		1200-1100	Lathe f0.1-0.13 Machine F130-150	Lathe f0.1-0.12 Machine F120-150
39-41		1100-1000	Lathe f0.1-0.13 Machine F110-140	Lathe f0.1-0.12 Machine F110-130
42-44		950-900	Lathe f0.1-0.13 Machine F105-135	Lathe f0.1-0.12 Machine F95-120
45-47		900-850	Lathe f0.1-0.13 Machine F100-120	Lathe f0.1-0.12 Machine F90-110
48-50		850-800	Lathe f0.1-0.13 Machine F90-110	Lathe f0.1-0.12 Machine F85-105
51-53		800-750	Lathe f0.1-0.13 Machine F80-100	Lathe f0.1-0.12 Machine F80-100
54-56		750-700	Lathe f0.1-0.13 Machine F75-95	Lathe f0.1-0.12 Machine F75-95
57-60		700-650	Lathe f0.1-0.13 Machine F70-90	Lathe f0.1-0.12 Machine F70-90
61-63		650-600	Lathe f0.1-0.13 Machine F65-85	Lathe f0.1-0.12 Machine F65-85
64-66		600-550	Lathe f0.1-0.13 Machine F60-80	Lathe f0.1-0.12 Machine F60-80
67-70	550-500	Lathe f0.1-0.13 Machine F55-75	Lathe f0.1-0.12 Machine F55-75	

### 注意事项 / Operating Instructions

- 使用快速镗头尽量由高压中心出水，以增加刀片寿命及排屑良好。
- 使用CNC车床时刀具中心点及机械主轴中心尽量平行。
- CNC车床使用如须扩孔，刀片外刃必须和刀塔移动角度平行。
- 随时注意刀片磨损状况，如有异响立即停止检查。

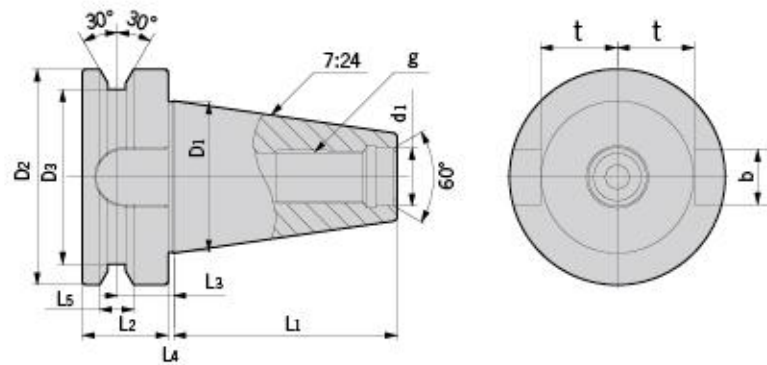
- Use the High speed Drill the best to drain water from the high pressure center to extending inserts life, and good for removing the metal chips .
- Using CNC Lathe the cutting center point with spindle center of Machine best to be parallel.
- If you need to expend hole when using CNC Lathe , the outer insert must parallel with the remove angle of cutter tower .
- The inserts have to be checked regularly for wear , and stop immediately once noise occurred.

HSK Tool Holder Specification - DIN69893  
HSK柄详细图



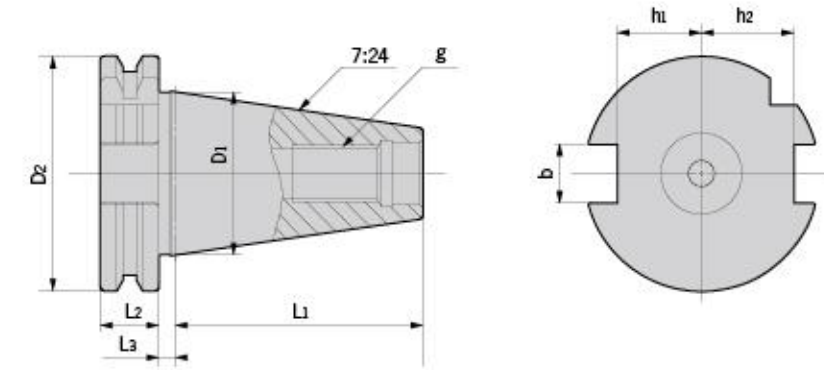
型号 Specification	D1	D2	L1	L2	L3	L4	L5	L6	L7	b1	b2	b3	t
HSK40A	40	30.007	20	20	16	4	11.42	6	3.5	11	9	8.05	17
HSK50A	50	38.009	25	26	18	5	14.13	7.5	4.5	14	12	10.54	21
HSK63A	63	48.010	32	26	18	6.3	18.13	10	6	18	16	12.5	26.5
HSK100A	100	75.013	50	29	20	10	28.56	15	10	22	20	20	44

BT Tool Holder Specification - JIS MAS403  
BT柄详细图



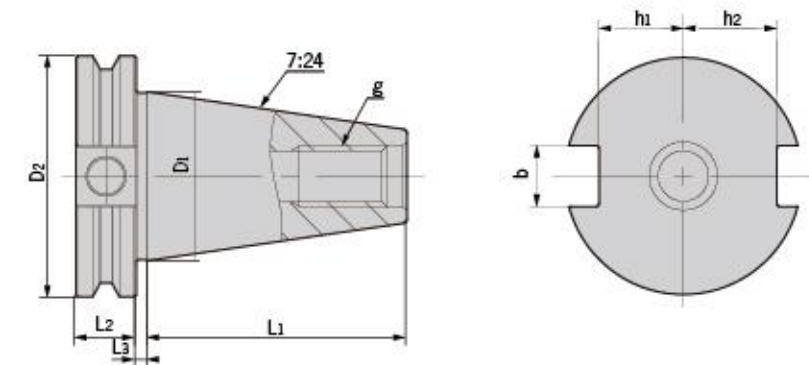
型号 Specification	D1	D2	D3	d1	L1	L2	L3	L4	L5	b	t	g
BT30	31.75	46	38	12.5	48.4	20	13.6	2	8	16.1	16.3	M12
BT40	44.45	63	53	17	65.4	25	16.6	2	10	16.1	22.6	M16
BT50	69.85	100	85	25	101.8	35	23.2	3	15	25.7	35.4	M24

SK Tool Holder Specification - DIN69871  
SK柄详细图



型号 Specification	D1	D2	L1	L2	L3	b	h1	h2	g
SK30	31.75	50	47.8	15.9	3.2	16.1	16.4	19	M12
SK40	44.45	63.55	68.4	15.9	3.2	16.1	22.8	25	M16
SK50	69.85	97.50	101.75	15.9	3.2	25.7	35.5	37.7	M24

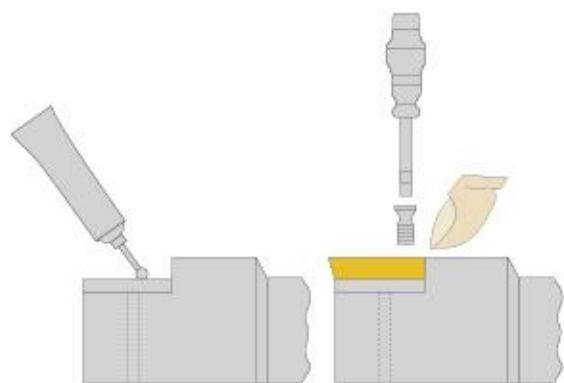
CAT Tool Holder Specification - ANSI/AMSE B5.50  
CAT柄详细图



型号 Specification	D1	D2	L1	L2	L3	b	h1	h2	g
CAT30	31.75	46.02	47.63	15.88	3.18	16.38	16.26	18.67	1/2-13UNC
CAT40	44.45	63.5	68.25	15.88	3.18	16.38	22.61	25.02	5/8-11UNC
CAT50	69.85	98.42	101.6	15.88	3.18	25.91	35.31	37.72	1-8UNC

## 螺丝安装刀片说明

- 1.在刀片安装时，必须用螺丝防卡剂按常规涂到刀具本体螺孔的螺纹上。
- 2.在扭紧螺丝之前，应以手指压住后端以确保刀片的下表面和垫片相靠合。
- 3.刀片决不能靠紧固螺丝将它拖到位置上，这样会使它提升到错误的位置并使拧紧失效。
- 4.在拧紧螺丝时，建议采用我们的扳手或扭矩扳手以使螺丝不被拧坏并确保安装正确。
- 5.上述安装方法适用于所有用中心螺丝固定刀片的刀具上。



## Installation Instructions Of Screw And Insert

- 1.Before assembling inserts, please oil the screw hole of tool holder with lubrication oil.
- 2.Make sure the insert and shim connects well before fastening.
- 3.Don't fit insert with screw only, or the insert will be misplaced, which will result in a bad fastening.
- 4.Suitable wrench is suggested.
- 5.The aforementioned assembling method is suitable for all the cutting tools with insert and screw.

## 注意事项/CAUTIONS



### 安装刀具，拆卸刀具时注意事项 Assembling / Disassembling Of Tooling

- ① 请将刀柄牢固的固定在卸刀夹具上，然后再进行刀具的安装与拆卸操作。  
A locking device for tool holders is required.
- ② 在安装刀具时请勿将手直接与刀刃接触，防止将手划伤。  
No Hand touch on the cutting edge.
- ③ 为了保证刀具的安全安装，请务必使用我公司提供的紧固扳手。  
Derek wrench is required.
- ④ 在将刀具安装上机床上时，请务必确认刀具上所有的紧固件已被锁紧。  
Fasten the tool holder properly before being used on machine.



### 加工时注意事项 Processing

- ① 请勿接触旋转中的刀柄或刀具。  
No touch tools under working.
- ② 加工时请穿戴防护服与目镜，防止飞溅的高温切屑的伤害。  
Wear protective clothing and safety glasses.
- ③ 加工时为了防止意外事故的发生，在刀具旋转时请勿打开机床的防护门。  
The protection door of machines shall be closed when it is under working.



### 刀具长期保养注意事项 Maintenance

- ① 刀具长期不使用时，请将刀具从刀柄上拆卸下来，否则会导致刀柄的夹持力和夹持精度的下降及联接面的锈蚀。  
Please remove the cutting tools from tool holder when it is not used for a long time, otherwise the clamping force and precision of the tool holder will be declined and the connecting surface will be rusted.
- ② 保存前请将刀具，刀柄上的切屑切削液清理干净，并进行适当的防锈处理，如涂覆防锈油等。  
Please clean cutting tools and tool holders before storing, and also perform rust-proof treatment properly.