

# One-touch fittings

#### Model •

Symbol	Model
Н	Male connector
S	Hexagon socket head male connector
F	Female connector
L	Male elbow
K	45° male elbow
V	Universal male elbow
VS	Hexagon socket head universal male elbow
VF	Universal female elbow
LF	Female elbow
VD	Double universal male elbow
VT	Triple universal male elbow
W	Extended male elbow
Т	Male branch tee
Υ	Male run tee
D	Male delta union
E	Bulkhead union
	Bulkhead connector
LE	Bulkhead male elbow
N	Adapter

Oval type release button

#### Male thread seal method

Symbol	Seal method
Nil	None
S	With thread sealant

#### Thread material/Surface treatment

Symbol	Thread material/Surface treatment
Α	Brass
N	Brass + Electroless nickel plating
G	Stainless steel 303 (Connection thread: Only male thread and M3)

# Port size/Applicable tubing O.D.

	Symbol		Size
	Thread connection	МЗ	M3 x 0.5
		M5	M5 x 0.8
		М6	M6 x 1.0
		01	R1/8, Rc1/8
		02	R1/4, Rc1/4
		03	R3/8, Rc3/8
	Tubing connection 00°		Same dia. tubing

<sup>\*1</sup> Only for "Bulkhead union" and "Bulkhead male elbow".

# Applicable tubing O.D.

Symbol	Size
23	ø3.2
04	ø4
06	ø6

# **Spare Parts**

Use the part number below to order the gasket for M3, M5, and M6 threads.

Gasket for M3 thread: M-3G2 Gasket for M5 thread: M-5G2 Gasket for M6 thread: M-6G

For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.

# Tube - Tube Type KQ2 H 06 - 00 A 1

# One-touch fittings

#### Model •

Symbol	Model
н	Straight union
	Different diameter straight
	Union elbow
L	Plug-in elbow
	Reducer elbow
W Extended plug-in elbow	
т	Union tee
	Different diameter tee
TW	Cross
TX	Different diameter cross
TY	Different diameter cross
D	Delta union
R	Plug-in reducer

Oval type release button

#### ◆Applicable tubing O.D. (Rod O.D.)

Symbol		ol	Size
ection		00	Same diameter tubing
		99	Same diameter rod
ng		23	ø3.2
Tubing (Rod) connection	Different dia. tubing (Reducer)	04	ø4
		06	ø6
	ed in	08	ø8
bin	fere (F	10	ø10
Tu	۵į	12	ø12

#### Applicable tubing O.D.

Applicable tubing O.I		
Symbol	Size	
02	ø2	
23	ø3.2	
04	ø4	
06	ø6	
08	ø8	
10	ø10	

# Accessories Symbol

Symbol	Name	
KQ2N	Nipple	
KQ2N	Reducer nipple	
KQ2C	Tube cap	
KQ2P	Plug	

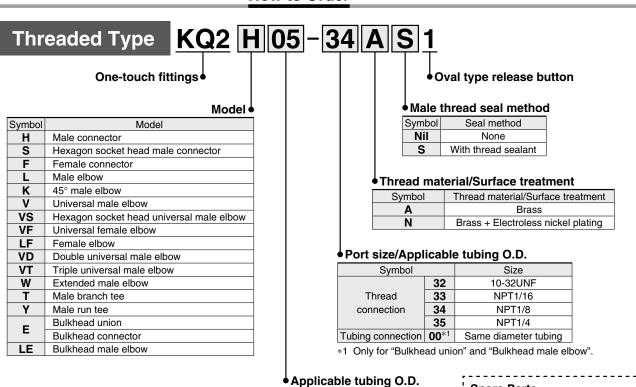
Bc

Face Seal

Gasket Sea

Oval Type | Applicable Tubing: Inch Size, Connection Thread: UNF, NPT

### **How to Order**



Symbol

01

03

05

Size

ø1/8"

ø5/32'

ø3/16"

03

For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.

Plug-in elbow

#### **Spare Parts**

Use the part number below to order the gasket for sealing 10-32UNF thread.

Gasket for 10-32UNF: M-5G2

Tube - Tube Type KQ2 H 05 - 00 A 1 One-touch fittings Oval type release button Model • Applicable tubing O.D. (Rod O.D.) Symbol Symbol Model 00 Same diameter tubing Straight union ing (Rod) connection Н 99 Same diameter rod Different diameter straight erent dia tubing 01 Union elbow ø1/8"

	Reducer elbow		[
R	Plug-in reducer		
т	Union tee	Δnnli	cable tubing O
•	Different diameter tee	Symbol	
TW	Cross	<b>01</b>	Ø1/8"
		03	ø5/32"
		05	ø3/16"

Accessories		
Symbol	Name	
KQ2N	Nipple	
	Reducer nipple	
KQ2C	Tube cap	
KQ2P	Plug	

ø5/32'

ø3/16"

Inch Size UNF, NPT | Metric Size M,

Sealant/Gasket Seal

8 M, R, Size 

Bc Metric Size R,

Metric Size G

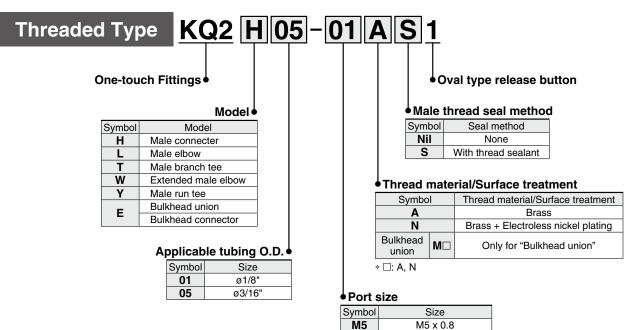
Face Seal

Inch Size

Inch Size NPT

Metric Size Uni

Gasket Seal



For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.

M5 M5 x 0.8 01 R1/8, Rc1/8 02 R1/4, Rc1/4 00\*1 Same diameter tubing

\*1 Only for "Bulkhead union".

#### **Spare Parts**

Use the part number below to order the gasket for M5 thread. Gasket for M5 thread: M-5G2

Inch Size UNF, NPT | Metric Size M,

Sealant/Gasket Seal

Inch Size M, R, Rc G

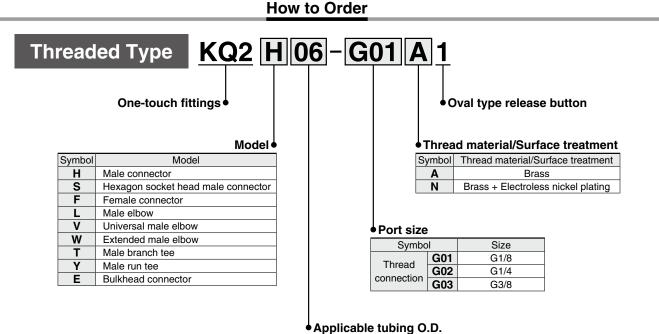
Metric Size

R Metric Size R,

Face Seal Inch Size NPT

Inch Size

Metric Size Uni Gasket Seal



Symbol

04

06

Size

ø4

ø6

For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.

O S

Inch Size UNF, NPT Metric Size M,

Sealant/Gasket Seal

Inch Size M, R, Rc

Metric Size G

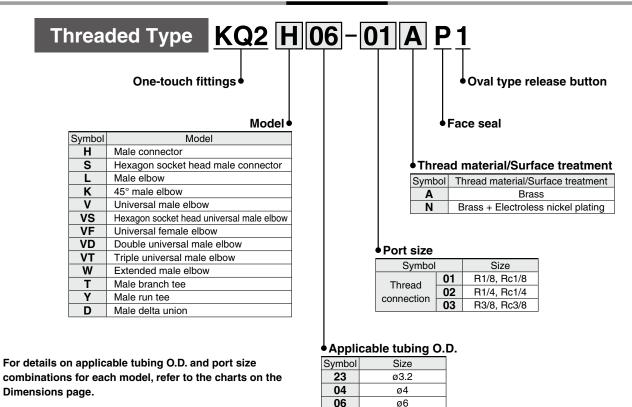
Metric Size R, Rc

Face Seal Inch Size NPT

Metric Size Uni

Inch Size

Inch Size Uni



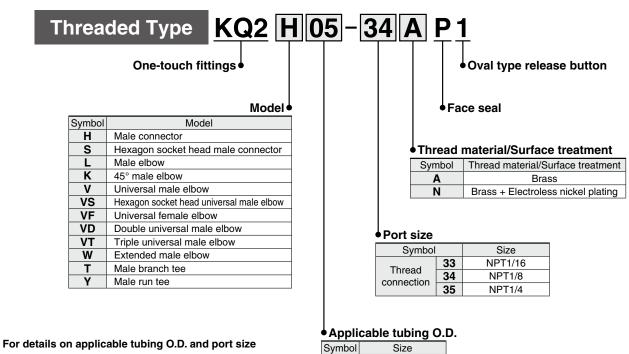
Inch Size UNF, NPT | Metric Size M,

Sealant/Gasket Seal

Face Seal

Inch Size NPT

Gasket Seal



01

03

05

ø1/8"

ø5/32"

ø3/16"

combinations for each model, refer to the charts on the Dimensions page.

Inch Size UNF, NPT | Metric Size M,

Sealant/Gasket Seal

8 M, R, Inch Size

G

Metric Size

R Metric Size R,

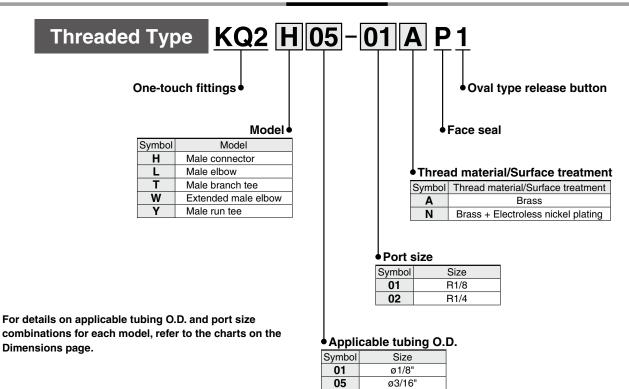
Face Seal

Inch Size

Inch Size NPT

Gasket Seal Inch Size Uni

Metric Size Uni



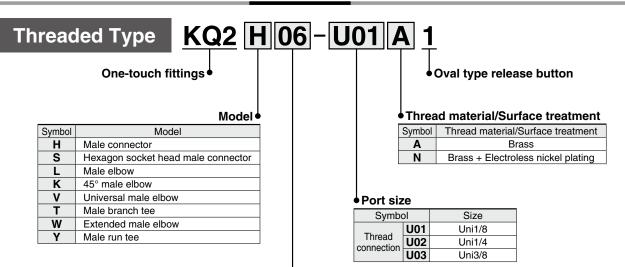
Face Seal

Inch Size R

Oval Type

Applicable Tubing: Metric Size, Connection Thread: Rc, G, NPT, NPTF

# **How to Order**



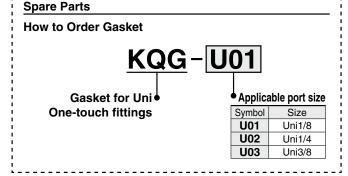
Symbol Size 04

06

Applicable tubing O.D.

ø6

For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.



Inch Size UNF, NPT | Metric Size M,

Sealant/Gasket Seal 8

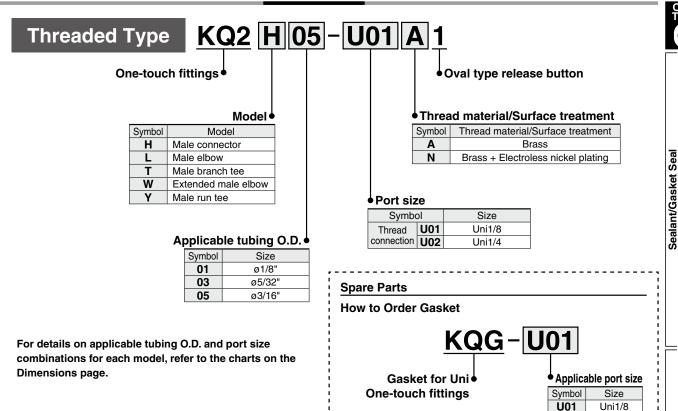
Inch Size M, R, G Metric Size

Bc Metric Size R,

Face Seal Inch Size NPT

Inch Size

Gasket Seal



Inch Size Metric Size G

8

≅, R,

Inch Size UNF, NPT | Metric Size M,

Metric Size R, Rc

Face Seal

U02

Uni1/4

Inch Size

Inch Size NPT

Metric Size Uni

Gasket Seal

# Threaded Type KQ2 H 06 - 01 A S

### One-touch fittings

#### Model •

	IVIOGEI
Symbol	Model
Н	Male connector
S	Hexagon socket head male connector
F	Female connector
L	Male elbow
LU	Branch male elbow
K	45° male elbow
٧	Universal male elbow
VS	Hexagon socket head universal male elbow
VF	Universal female elbow
LF	Female elbow
VD	Double universal male elbow
VT	Triple universal male elbow
Z	Branch universal male elbow
ZF	Branch universal female elbow
ZD	Double branch universal male elbow
ZT	Triple branch universal male elbow
W	Extended male elbow
Т	Male branch tee
Υ	Male run tee
D	Male delta union
U	Branch "Y"
UD	Double branch "Y"
E	Bulkhead union
	Bulkhead connector
LE	Bulkhead male elbow
N	Adapter

For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.

#### Male thread seal method

Symbol	Seal method
Nil	None
S	With thread sealant

#### 

Symbol		Thread material/Surface treatment	
Α		Brass	
N		Brass + Electroless nickel plating	
G		Stainless steel 303 (Connection thread: Only male thread and M3)	
Bulkhead union		Interchangeable with KJE	

\* □: A, N

### Port size/Applicable tubing O.D.

Symbol	Size	
	M3	M3 x 0.5
	M5	M5 x 0.8
Thursday	М6	M6 x 1.0
Thread connection	01	R1/8, Rc1/8
Connection	02	R1/4, Rc1/4
	03	R3/8, Rc3/8
	04	R1/2, Rc1/2
Tubing connection	00*1	Same dia. tubing

\*1 Only for "Bulkhead union" and "Bulkhead male elbow".

#### ♦ Applicable tubing O.D.

Symbol	Size
02	ø2
23	ø3.2
04	ø4
06	ø6
08	ø8
10	ø10
12	ø12
16	ø16

#### **Spare Parts**

Use the part number below to order the gasket for M3, M5, and M6 threads.

Gasket for M3 thread: M-3G2 Gasket for M5 thread: M-5G2 Gasket for M6 thread: M-6G

# Tube - Tube Type KQ2 H 06 - 00 A

# One-touch fittings

#### Model •

Symbol	Model	
Ŧ	Straight union	
п	Different diameter straight	
	Union elbow	
L	Plug-in elbow	
	Reducer elbow	
LU	Branch union elbow	
W	Extended plug-in elbow	
Т	Union tee	
'	Different diameter tee	
TW	Cross	
TX	Different diameter cross	
TY	Different diameter cross	
D	Delta union	
	Union "Y"	
U	Plug-in "Y"	
	Different diameter union "Y"	
UD	Different diameter double union "Y"	
X	Different diameter plug-in "Y"	
R	Plug-in reducer	
XD Double plug-in "Y"		

# → Applicable tubing O.D. (Rod O.D.)

Symbol			Size
'n		00	Same diameter tubing
Ę		99	Same diameter rod
Tubing (Rod) connection	Different dia. tubing (Reducer)	23	ø3.2
		04	ø4
		06	ø6
		80	ø8
		10	ø10
		12	ø12
ĭ		16	ø16

#### Applicable tubing O.D.

Applicable tubing O.D.			
Symbol	Size		
02	ø2	١:	
23	ø3.2	i	
04	ø4	;	
06	ø6	•	-
08	ø8		
10	ø10		
12	ø12		
16	ø16		

# Accessories

Symbol	Name	
KQ2N	Nipple	
KQ2N	Reducer nipple	
KQ2C	Tube cap	
KQ2P	Plug	

Round Type

Metric Size M. B. I

Sealant/Gasket Seal

Inch Size M, R, Rc

Metric Size G

Bc

Metric Size R,

Face Seal

Inch Size NPT

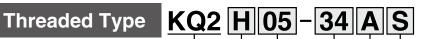
Inch Size R

Metric Size Uni

Gasket Sea

Applicable Tubing: Inch Size, Connection Thread: UNF, NPT

# **How to Order**



### One-touch fittings

#### Model •

	model	
Symbol	Model	
Н	Male connector	
S	Hexagon socket head male connector	
F	Female connector	
L	Male elbow	
K	45° male elbow	
V	Universal male elbow	
VS	Hexagon socket head universal male elbow	
VF	Universal female elbow	
LF	Female elbow	
VD	Double universal male elbow	
VT	Triple universal male elbow	
Z	Branch universal male elbow	
ZD	Double branch universal male elbow	
ZT	Triple branch universal male elbow	
W	Extended male elbow	
Т	Male branch tee	
Υ	Male run tee	
U	Branch "Y"	
E	Bulkhead union	
	Bulkhead connector	
LE	Bulkhead male elbow	

### Male thread seal method

Symbol	Seal method
Nil	None
S	With thread sealant

#### Thread material/Surface treatment

	Symbol A N		Thread material/Surface treatment
			Brass
			Brass + Electroless nickel plating
	Bulkhead union	□J	Interchangeable with KJE

\* □: A, N

Port size/Applicable tubing O.D.

Symbol		Size
	32	10-32UNF
	33	NPT1/16
Thread	34	NPT1/8
connection	35	NPT1/4
	36	NPT3/8
	37	NPT1/2
Tubing connection	00*1	Same diameter tubing

\*1 Only for "Bulkhead union" and "Bulkhead male elbow".

#### ♣Applicable tubing O.D.

	<u> </u>
Symbol	Size
01	ø1/8"
03	ø5/32"
05	ø3/16"
07	ø1/4"
09	ø5/16"
11	ø3/8"
13	ø1/2"

#### **Spare Parts**

Use the part number below to order the gasket for sealing 10-32UNF

Gasket for 10-32UNF: M-5G2

For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.

# Tube - Tube Type KQ2 H 05 - 00 A

# One-touch fittings

	iviodei●	
Symbol	Model	
н	Straight union	
п	Different diameter straight	
	Union elbow	
L	Plug-in elbow	
	Reducer elbow	
R Plug-in reducer		
т	Union tee	
•	Different diameter tee	
TW	Cross	
Union "Y"		
U	Plug-in "Y"	
	Different diameter union "Y"	
X	Different diameter plug-in "Y"	

#### Applicable tubing O.D. (Rod)

Symbol		ol	Size
'n		00	Same diameter tubing
cţi		99	Same diameter rod
une	ng	01	ø1/8"
Tubing (Rod) connection Different dia. tubing	ig _	03	ø5/32"
	dia. ti ducer	05	ø3/16"
		07	ø1/4"
	Be B	09	ø5/16"
	Differ )	11	ø3/8"
		13	ø1/2"

# Applicable tubing O.D.

- 7bb!!	oabic tabilig C.
Symbol	Size
01	ø1/8"
03	ø5/32"
05	ø3/16"
07	ø1/4"
09	ø5/16"
11	ø3/8"
13	ø1/2"

#### **Accessories**

nipple
р
1

Metric Size G

å Metric Size R,

Inch Size NPT

Face Seal

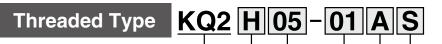
Inch Size

Metric Size Uni

Gasket Seal Inch Size Uni

Applicable Tubing: Inch Size, Connection Thread: M, R, Rc

# **How to Order**



# One-touch Fittings

#### Model •

Symbol	Model		
H	Male connecter		
L	Male elbow		
Т	Male branch tee		
W	Extended male elbow		
Υ	Male run tee		
U	Branch "Y"		
Е	Bulkhead union		
	Bulkhead connector		

# Applicable tubing O.D.

Symbol	Size
01	ø1/8"
05	ø3/16"
07	ø1/4"
09	ø5/16"
11	ø3/8"
13	ø1/2"

For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.

#### Male thread seal method

Symbol	Seal method
Nil	None
S	With thread sealant

#### 

	Symbol A N		Thread material/Surface treatment
			Brass
			Brass + Electroless nickel plating
	Bulkhead union	M□	Only for "Bulkhead union"

\* □: A, N

### Port size/Applicable tubing O.D.

Symbol	Size	
M5	M5 x 0.8	
01	R1/8, Rc1/8	
02	R1/4, Rc1/4	
03	R3/8, Rc3/8	
04	R1/2, Rc1/2	
00*1	Same diameter tubing	

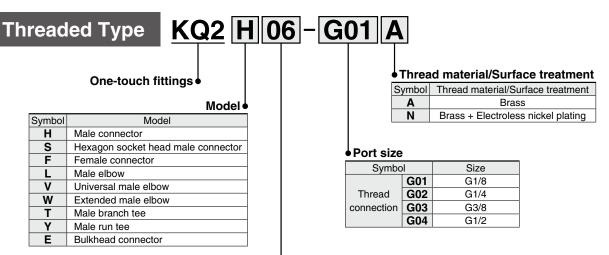
\*1 Only for "Bulkhead union".

### **Spare Parts**

Use the part number below to order the gasket for M5 thread. Gasket for M5 thread: M-5G2

R

Gasket Seal



♦ Applicable tubing O.D.

Symbol	Size
04	ø4
06	ø6
08	ø8
10	ø10
12	ø12
16	ø16

For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.

Inch Size UNF, NPT | Metric Size M, Sealant/Gasket Seal

8 Inch Size M, R,

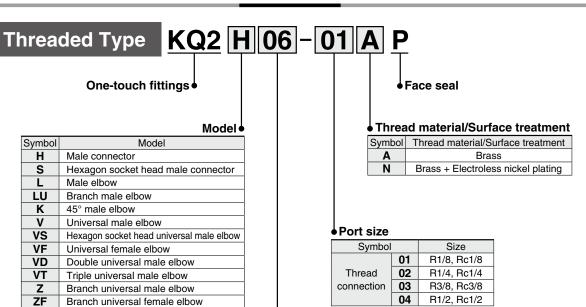
> Metric Size G Metric Size R, Rc

Face Seal

Inch Size

Inch Size NPT

Metric Size Uni Gasket Seal



ZD

ZT

W

т

Υ

D

U

UD

Ν

Double branch universal male elbow

Triple branch universal male elbow

Extended male elbow

Male branch tee

Male delta union

Double branch "Y"

Male run tee

Branch "Y"

Adapter

Applicable tubing O.D.

-	
Symbol	Size
23	ø3.2
04	ø4
06	ø6
08	ø8
10	ø10
12	ø12
16	ø16

For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.

Metric Size R, Rc

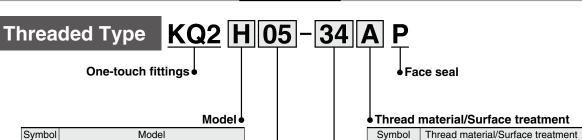
Inch Size NPT

Gasket Seal

Brass

Brass + Electroless nickel plating

# **How to Order**



Symbol	Model	
Н	Male connector	
S	Hexagon socket head male connector	
L	L Male elbow	
K	K 45° male elbow	
V	Universal male elbow	
VS	Hexagon socket head universal male elbow	
VF	Universal female elbow	
VD	Double universal male elbow	
VT	Triple universal male elbow	
Z	Branch universal male elbow	
ZD	Double branch universal male elbow	
ZT	Triple branch universal male elbow	
W	Extended male elbow	
Т	Male branch tee	
Υ	Y Male run tee	
U	Branch "Y"	

Port size Symbol Size 33 NPT1/16 34 NPT1/8 Thread NPT1/4 35 connection NPT3/8 36 37 NPT1/2

Applicable tubing O.D.

Symbol	Size
01	ø1/8"
03	ø5/32"
05	ø3/16"
07	ø1/4"
09	ø5/16"
11	ø3/8"
13	ø1/2"

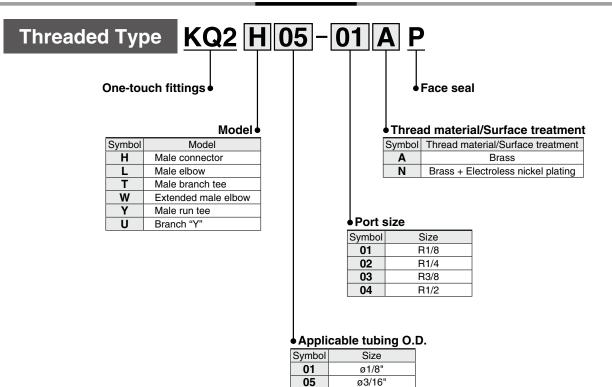
For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.

Face Seal

Gasket Seal

Applicable Tubing: Inch Size, Connection Thread: R

# **How to Order**



07

09

11

13

ø1/4"

ø5/16"

ø3/8"

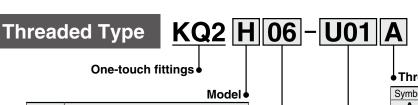
ø1/2"

For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.

Bc

Face Seal

Inch Size Uni



Symbol	Model	
Н	Male connector	
S	Hexagon socket head male connector	
L	Male elbow	
K	45° male elbow	
٧	Universal male elbow	
Т	Male branch tee	
W	Extended male elbow	
Υ	Male run tee	
U	Branch "Y"	

Applicable t	ubina O.D.

Symbol	Size
04	ø4
06	ø6
08	ø8
10	ø10
12	ø12
16	ø16

For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.



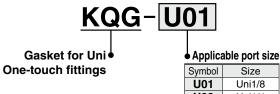
Symbol	Thread material/Surface treatment
Α	Brass
N	Brass + Electroless nickel plating

#### • Port size

	Symbol		Size
	Thread connection	U01	Uni1/8
		U02	Uni1/4
		U03	Uni3/8
		U04	Uni1/2



**How to Order Gasket** 



Symbol	Size
U01	Uni1/8
U02	Uni1/4
U03	Uni3/8
U04	Uni1/2

Metric Size R, Rc

Inch Size UNF, NPT | Metric Size M, R, Rc

Inch Size M, R, Rc

Metric Size G

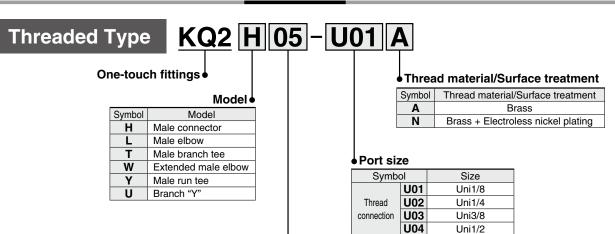
Sealant/Gasket Seal

Face Seal

Inch Size R

Inch Size NPT

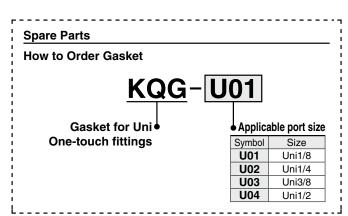
Gasket Seal



Applicable tubing O.D.

Symbol	Size
01	ø1/8"
03	ø5/32"
05	ø3/16"
07	ø1/4"
09	ø5/16"
11	ø3/8"
13	ø1/2"

For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.



Bc

Face Seal