



Cured-on Solid Tires

Cured-on Solid Tires, a specialized solid tire solution, involve vulcanizing the rim and rubber together for a tighter bond, eliminating the possibility of tire detachment from the rim, thus offering greater load capacity and enhanced stability.

They are typically used in high-safety-required machinery and vehicles, industrial vehicles operating on rugged surfaces, and in applications intolerant of downtime, such as passenger boarding bridge, road milling machines, aerial work platforms, mining vehicles both above and below ground, and machinery transporting heavy components on factory assembly lines.

DecaDura offers Cured-on Solid Tire versions of all its standard solid tires, with custom sizes available. These tires provide about a 15% increase in load capacity compared to conventional solid tires of the same size and can be directly installed on vehicles and machinery, offering superior stability, safety, and a longer lifespan. Compared to regular solid tires, they significantly reduce, potentially to zero, downtime.



Mining Solid Tires

We consistently recommend our clients to equip their mining vehicles and machinery with Cured-on Solid Tires as a superior alternative to pneumatic industrial tires. This recommendation is particularly beneficial for mine managers with low tolerance for downtime.



Size of Tire	Rim	Pattern	Outside Diameter (mm) ±5mm	Section Width (mm) ±5mm	Net(Kg) ±1.5%	Max Load(Kg), 16km/H
10x16.5 (30x10-16)	Radiation Plate Type	LMUHBA708	788	250	116	3700
12x16.5 (33x12-20)	Radiation Plate Type	LMUHBA708	840	275	140	4500
38.5x14-20 (14x17.5)	Radiation Plate Type	LMUHBA708	966	350	246	7070
16/70-20	Radiation Plate Type	LMUHBA708	1060	400	329	8830
385/65-24 (385/65-22.5)	Radiation Plate Type	LMUHBA708	1062	356	290	7390
445/65-24 (445/65-22.5)	Radiation Plate Type	LMUHBA708	1152	428	394	10040
1098x500	Radiation Plate Type	LMUZBA711	1098	500	558	12225
16.00-25	Radiation Plate Type	LMUZBA711	1446	390	600	13400
17.5-25	Radiation Plate Type	LMUZBA711	1368	458	568	18795
18.00-25	Radiation Plate Type	LMUZBA711	1620	500	928	17470
20.5-25 (57x20)	Radiation Plate Type	LMUZBA711	1455	500	750	23400
23.5-25	Radiation Plate Type	LMUZBA711	1620	580	1080	29260
26.5-25	Radiation Plate Type	LMUZBA711	1715	642	1460	34390
29.5-25	Radiation Plate Type	LMUZBA711	1840	730	1690	33985
1098x500	Radiation Plate Type	LMUZBA711	1098	500	558	12225
54x26	Radiation Plate Type	LMUZBA715	1370	660	23130	
55x18-34	Radiation Plate Type	LMUZBA715	1410	450	15050	
1510x470	Radiation Plate Type	LMUZBA715	1516	470	16120	
18.00-33	Radiation Plate Type	LMUZBA715	1840	450	18380	