

Industrial Solid Tyres

*By Adamas
Tread Tough*



Adamastyres.com

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Mission Statement

Our mission is to offer solid tyres engineered for optimal performance in demanding environments. We offer a wide product range with customisable options to suit diverse material handling requirements while delivering exceptional performance standards. Adamas is committed to customer satisfaction and on-time delivery.



We recognise the need for good quality tyres, no matter your requirement.

At Adamas Solid and Resilient Tyres Pvt. Ltd. we have **more than 30 years of experience** understanding the industry to provide you with only the best.

Through our deep market knowledge, we've adapted to meet the requirements of the industry. We've been inspired and motivated by extensive client feedback to provide a wide range of offerings at the highest quality and always on time.

Customers come first at Adamas. Quick response to customer queries and understanding concerns is of the utmost importance, so we can provide you with the best solutions. Our tyres are also manufactured keeping you in mind—they are **cost efficient, durable, reliable and can be customised as per your requirements.**

Whether it's at the stage of sourcing of raw materials or the final packaging, we continuously **ensure the product you receive surpasses industry standards at every level.**

We know that the market and machine requirements are constantly evolving, so we work to provide tyres that meet those requirements. With two main offerings—**Comfort and Press on Band Tyres**—we cater to a wide range of machines from **forklifts, skid steers, ground support equipment, tipper trucks and port applications.**

Our Offerings

At Adamas, we understand the need for the right tyre to match the usage and intensity of your application. Through our Comfort and Press-On Band Tyres, we have engineered resilient products that offer the maximum lifespan for all applications.

Comfort Tyres

These tyres come in 2- and 3-layer designs made with natural rubber that has a high abrasion resistance compound. Reinforced with steel rings for load bearing and stability. Constructed for comfort with reduced vibrations and available in different grades depending on the applications. All our tyres and tread patterns have been tried and tested for good traction.



Press-on Band Tyres

In the Press-On tyres, the rubber is bonded with a steel rim for high load capacity usage and high stability. The rubber compound in these tyres is also constructed for high mileage. The tread is designed for low rolling resistance and adequate traction in applications.



Grades

Our tyres are available in four grades, depending on your requirements and usage.



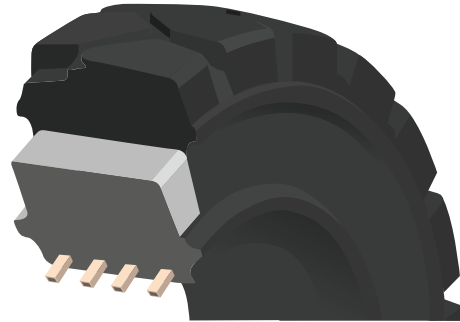
A close-up, slightly blurred photograph of a white tyre. The tyre is the central focus, with its tread pattern visible in the foreground and background. The word 'SOLIDITY' is printed in black on the sidewall of the tyre. The background is dark, and the lighting is soft, highlighting the texture of the rubber.

Tyre Construction

Our tyres are designed specifically for different purposes. The comfort come in two layer & three layer options. While in the press-on band tyres the rubber is bonded with a steel rim

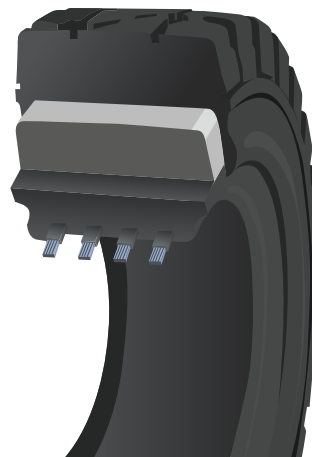
2-Layer Design:

- Used in Eco and Standard grades.
- Nylon strips for added strength and bonding capacity in the base compound.
- Steel rings embedded into the base layer into the base layer using a special adhesive that promotes superior bonding.
- Upper layer of the tread compound has high tensile strength and is also abrasion resistant.



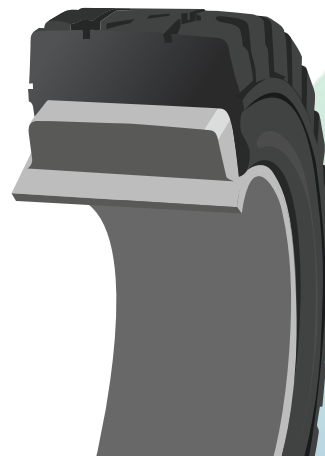
3-Layer Design:

- Used in Heavy Duty and Premium grades.
- Base hard compound with nylon strips for strength and bonding capacity. The steel rings are embedded into this layer.
- Central compound with cushioning and stabilisation properties.
- Upper layer tread compound with high tensile strength, abrasion resistance, low rolling resistance.



Press-on Band Tyres

- The base layer is formed by a steel rim that enables heavy load capacity with smaller tyre sizes.
- Central compound is constructed with bonding capacity and stabilisation properties.
- The upper tread compound comes with high tensile strength, high abrasion resistance and low rolling resistance.



Comfort Tyres

Constructed for comfort and designed for high abrasion resistance. These tyres are available in Non-Marking versions as well, ideal for usage in dust free environments like Pharma, Food & Beverages, Computer and electronics, and chemicals.

Tread Pattern

Y Lug



W Lug



Rib



Plain



Commonly used applications



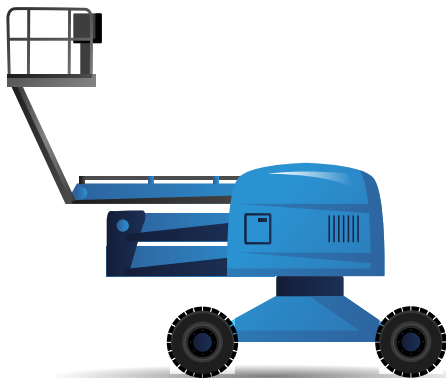
Forklift

6.50 x 10 / 7.00 x 12 / 8.15 x 15 /
8.25 x 15 / 12.00 x 20



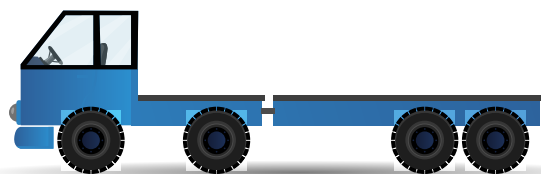
Skid Steer

7.50 x 16 / 8.25 x 16 / 31x10x16
31x10x20 / 33x12x20



Boom Lift

7.50 x 16 / 10.00 x 20 / 12.00x20



Port Vehicles

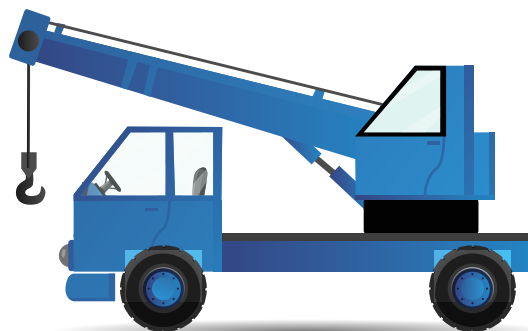
10.00x20 (Lug + Smooth)

Commonly used applications



Tipper Trucks

9.00x 20 / 10.00 x 20 / 11.00 x 20
12.00 x 24



Graders and Cranes

10.00x20 / 11.00 x 20 / 14.00 x 20
13.00 x 24 / 14.00 x 24



Ground Support Equipment

4.00 x 8 / 5.00 x 8 / 6.00 x 9 /
10.00 x 20

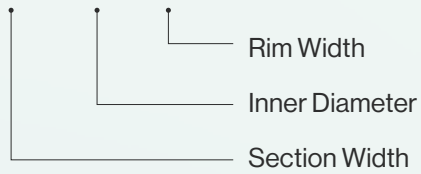
Technical Size Chart

Type Size	Rim Width	Thread Pattern	Dimensions		Load capacity (Upto 25 Kmph)	
			Tyre OD (in Inches)	Tyre Width (in Inches)	Load Wheel (in Kgs)	Steer Wheel (in Kgs)
4.00x4	2.5	Lug/Plain	12	4	650	500
3.50x5	3	Lug/Plain	12	4	450	340
4.00x8	2.75	Lug/Rib	16	4	930	720
4.00x8	3	Lug/Rib	16	4	930	720
4.00x8	3.75	Rib	16	4.7	1010	775
15x4.5-8	3	Lug	15	4.5	1040	800
15x4.5-8	3.25	Lug	15	4.5	1040	800
5.00x8	3	Lug/Plain	18	5	1390	1070
5.00x8	3.25	Lug/Plain	18	5	1390	1070
16x6-8	4.33	Lug	16	6	1270	975
18x7-8	4.33	Lug	18	6	2000	1750
6.00x9	4	Lug	21	6	1840	1420
21x8-9	6	Lug	21	8	2800	2400
6.50x10	5	Lug	23	6.5	2310	1780
6.50x10	5.5	Lug	23	6.5	2310	1780
23x9-10	6.5	Lug	23	8.15	3420	2900
7.00x12	5	Lug	26	7	2920	2240
27x10-12	8	Lug	27		3450	3000
5.50/6.00x15	4.5	Lug	27	6	2000	1800
7.00x15	5	Lug	29	7.4	3500	2690
7.00x15	5.5	Lug	29	7.4	3500	2690

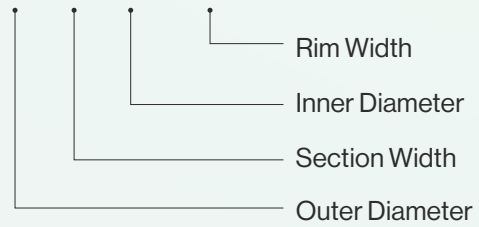
Type Size	Rim Width	Tread Pattern	Dimensions		Load capacity (Upto 25 Kmph)	
			Tyre OD (in Inches)	Tyre Width (in Inches)	Load Wheel (in Kgs)	Steer Wheel (in Kgs)
7.50x15	5	Lug	29	7.4	3880	2980
7.50x15	5.5	Lug	29	7.4	3880	2980
7.50x16	6	Lug/Tread	29	7.4	3880	2980
8.15x15	7	Lug	28	9	3450	2425
8.25x15	5	Lug	32	8.3	4750	3650
8.25x15	5.5	Lug	32	8.3	4750	3650
8.25x15	6	Lug	32	8.3	4750	3650
8.25x15	6.5	Lug	32	8.3	4960	3720
250x15	7	Lug	28	9	4600	3500
300x15	8	Lug	32	10	5725	4400
8.00x16	6	Lug	32	8.3	3900	2800
8.25x16	6	Lug	32	8.3	3900	2800
7.50x20	6	Lug	34.5	7.7	4200	3475
9.00x20	6.5	Lug	39	9.2	5375	4450
9.00x20	7	Lug	39	9.2	5375	4450
10.00x20	7	Lug/Plain	40	10	6000	5000
10.00x20	7.5	Lug/Plain	40	10	6000	5000
10.00x20	8	Lug/Plain	40	10	6000	5000
200/50-10	6.50	Lug	17.8	6.3	650	500
140/55-9	4.00	Lug	14.8	4.3	1170	900
23x10-12	8.00	Lug	22.8	7.8	3770	2900

Technical Size Reading Chart

6.50 x 10 / 5



23 x 9 - 10 / 6.5



Wheel Rim Types



Two piece split rim



Taper - Base rim for Lip tyre.



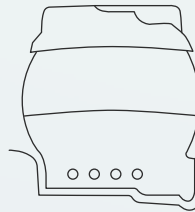
Flat based rim for Lip tyre



Three piece rim - End ring, Lock ring



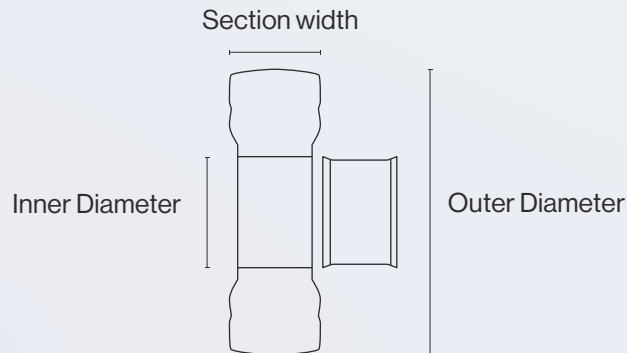
Four piece taper-Base Rim - End ring, Lock ring, Band



Lip tyre also called Click, Clip or Easy fit tyre eliminates the use of end ring & rock ring

Lip tyre base is profiled for firm seating on the circumferential ridge of the rim

Lip and regular base tyre are not inter changeable



Press-On Band Tyres

Constructed for high mileage and designed for high load capacity use and high stability. These tyres are available in Non-Marking versions as well, ideal for usage in dust free environments.

Tread Pattern

Thread



Plain

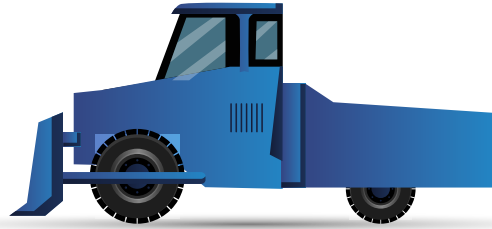


Commonly used applications



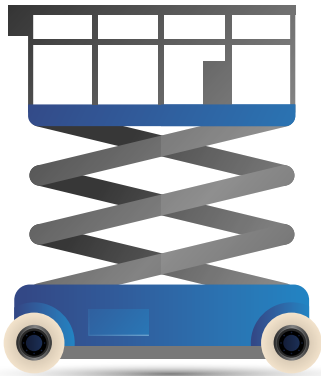
Battery operated Forklift

21 x 7 x 15 / 22 x 6 x 16 / 16¼ x 5 x 11¼
/ 18 x 5 x 12½



Paver/ Milling Machine

415 x 348 x 150 / 630 x 230 x 475 /
630 x 250 x 475 / 660 x 280 x 480



Scissor Lift

15 x 5 / 16 x 5

Technical Size Chart

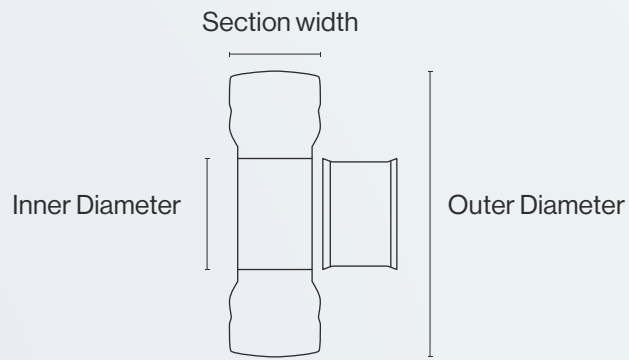
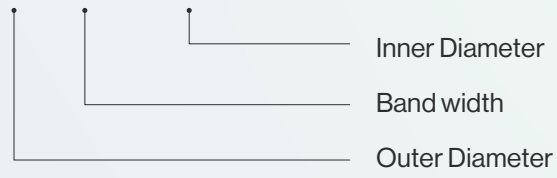
Tyre Size (Inches)	Type Size (mm)	Tread Pattern	Load Capacity (Kgs) Load Wheel	Load Capacity (up to 10 Kmph) Steer Wheel (kg)
10x5-6 1/4	254 X 127-158	Smooth	780	630
10x6x6 1/4	254 X 152-158	Smooth	860	680
10x5-6 1/2	254 x 127-165	Smooth	780	630
10x6x6 1/2	254 X 152-165	Smooth	860	680
12x4-6	305 X 101-152	Lug	700	580
12x4 1/2-6	305 X 114-152	Lug	740	610
12x5-6	305 X 127-152	Lug	780	630
12x5 1/2-6	305 X 140-152	Lug	820	650
12x6-6	305 X 152-152	Lug	860	680
12x4-6 1/2	305 X 101-165	Lug	700	580
12x4 1/2-6 1/2	305 X 114-165	Lug	740	610
12x5-6 1/2	305 X 127-165	Lug	780	630
12x5 1/2-6 1/2	305 X 140-165	Lug	820	650
12x6-6 1/2	305 X 152-165	Lug	860	680
12x4-8	305 X 101-203	Lug	920	760
12x4 1/2-8	305 X 114-203	Lug	960	780
12x5-8	305 X 127-203	Lug	990	800
12x5 1/2 -8	305 X 140-203	Lug	1030	820
12x6-8	305 X 152-203	Lug	1070	840
13x3-8	330 X 76-203	Lug	710	590
13x3 1/2 -8	330 X 88-203	Lug	720	600
13x4-8	330 X 101-203	Lug	1020	900
13x4 1/2 -8	330 x 114-203	Lug	1060	920

Tyre Size (Inches)	Type Size (mm)	Tread Pattern	Load Capacity (Kgs) Load Wheel	Load Capacity (up to 10 Kmph) Steer Wheel (kg)
13x5-8	330 X 127-203	Lug	1100	940
13x5 1/2-8	330 X 140-203	Lug	1140	960
13x6-8	330 X 152-203	Lug	1180	980
14x4 1/2 -8	356 X 114-203	Lug	1060	920
15x5-10	381 X 127-254	Lug	1180	940
15x5-10 1/2	381 X 127-267	Lug	1160	920
15x5x11 1/4	381 X 127-286	Lug	1120	900
16x5x9 1/2	407 X 127-241	Lug	1510	1240
16x6-9 1/2	407 X 152-241	Lug	1760	1480
16x7-9 1/2	407 X 177-241	Lug	1900	1720
16x5-10 1/2	407 X 127-267	Lug	1510	1240
16x6-10 1/2	407 X 152-267	Lug	1760	1480
16x7-10 1/2	407 X 177-267	Lug	1900	1720
16 1/4x5x11 1/4	413 X 127-286	Lug	1530	1250
16 1/4x6x11 1/4	413 X 152-286	Lug	1920	1580
1/4x7x11 1/4	413 X 177-286	Lug	2325	1900
17 1/4x5x11 1/4	438 X 127-286	Lug	1600	1300
18x5x12 1/8	458 X 127-308	Lug	1640	1350
18x6x12 1/8	458 X 152-308	Lug	2100	1720
18x7x12 1/8	458 X 177-308	Lug	2550	2100
18x8x12 1/8	458 X 203-308	Lug	3000	2475
18x9x12 1/8	458 X 228-308	Lug	3450	2850
21x5x15	534 X 127-381	Lug	2175	1850
21x6x15	534 X 152-381	Lug	2350	1930

Tyre Size (Inches)	Type Size (mm)	Thread Pattern	Load Capacity (Kgs) Load Wheel	Load Capacity (up to 10 Kmph) Steer Wheel (kg)
21x7x15	534 X 177-381	Lug	2875	2350
21x8x15	534 X 203-381	Lug	3375	2775
21x9x15	534 X 228-381	Lug	3550	2975
22x6x16	559 X 152-406	Lug	2450	2000
22x7x16	559 X 177-406	Lug	2600	2350
22x8x16	559 X 203-406	Lug	2875	2475
22x9x16	559 X 228-406	Lug	3300	2875
22x10x16	559 X 254-406	Lug	3800	3350
22x12x16	559 X 305-406	Lug	5200	4150
22x14x16	559 X 356-406	Lug	6150	5130
22x16x16	559 X 406-406	Lug	7100	5850
26x6x20	660 X 152-508	Lug	2775	2275
26x7x20	660 X 177-508	Lug	2850	2400
26x10x20	660 X 254-508	Lug	3400	2900
28x10x22	711 X 254-559	Lug	5470	4490
28x12x22	711 X 305-559	Lug	6700	5500
	645x200-410	Plain	3900	3200
	645x300-410	Plain	6060	4960
	280x75-220	Lug	620	510

Technical Size Reading Chart

18 x 8 x 12 1/8



About Adamas

For **over 3 decades**, Adamas Solid and Resilient Tyres Pvt. Ltd. has been one of India's top manufacturers of solid tyres. Our parent company was founded in 1992 and then rebranded in 2009 as Load Star Solid and Resilient Tyres, making us one of the preferred suppliers for major OEMs across the country, including Ashok Leyland, Lucas TVS, Tata Motors, Jindal Ltd., Aditya Birla Group, Sundaram Clayton.

In 2022, with an aim to strengthen our presence in the export market, with premium tyres to our portfolio and to feature alongside other global products, we rebranded again to Adamas Solid and Resilient Tyres. Our commitment to providing high quality production, on time delivery and a wide range of offerings has never wavered.

Some of our export locations include India, UAE/ Middle east, Nigeria, Bulgaria, Bangladesh, USA, Singapore, Nepal, Belgium





Write to us on LinkedIn



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Our tyre never tires

SOLID LIFT

6.50 x 10

Made in India

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