

# THE PERFORMER

## VALUE

THE PERFORMER proves itself as one of the most cost-effective tires in its class. It is a two-stage tire that has good tensile strength and provides a firm but smooth ride. Our creel bead technology ensures secure and safe fitment to all forklift wheels and rims. THE PERFORMER is excellent for light and intermittent use in all material handling applications.



### Features

- Two stage tire
- Square footprint
- Increased lug depth
- Optimized aspect ratio
- Low rolling resistance
- High abrasion resistance tread

### Benefits

- Optimized performance at lower cost
- Even wear and increased stability
- Improved traction with good grip
- Moderate driving comfort due to optimum suspension and absorption
- Low energy consumption and reduced co2 emissions
- Good mileage

Tyre Size	Rim Size	Clip on	Profile	Tire dimensions		Tire dimensions		Tire load capacity on forklifts at Max. Speed				
				Max width ±1% (mm)	OD ± 2% (mm)	Max width ±1% (inch)	OD ± 2% (inch)	12 Miles/h (Lbs)		20 Km/h (Kg)		
								Load wheel	Steer wheel	Load wheel	Steer wheel	
4.00-8		3.00 D-8	•	GS	104	406	4.09	15.98	2095	1610	950	730
5.00-8		3.00 D-8	•	GS	116	446	4.57	17.56	3120	2405	1415	1090
15x4 1/2-8	125/75-8	3.00 D-8	•	GS	103	377	4.06	14.84	2295	1765	1040	800
16x6-8	150/75-8	4.33 R-8	•	GS	139	407	5.47	16.02	3210	2535	1455	1150
18x7-8	180/70-8	4.33 R-8	•	GS	153	451	6.02	17.76	4730	3640	2145	1650
6.00-9		4.00 E-9	•	GS	139	520	5.51	20.47	4155	3195	1885	1450
21x8-9	200/75-9	6.00 E-9	•	GS	174	516	6.85	20.31	6075	4675	2755	2120
6.50-10		5.00 F-10	•	GS	153	565	6.02	22.24	5160	3970	2340	1800
200/50-10		6.50 F-10	•	GS	188	456	7.40	17.95	5445	4190	2470	1900
23x9-10	225/75-10	6.50 F-10	•	GS	188	582	7.52	22.80	7595	5840	3445	2650
7.00-12		5.00 S-12	•	GS	164	647	6.46	25.47	6435	4940	2920	2240
23x10-12		8.00 G-12	•	GS	234	580	9.21	22.83	8310	6390	3770	2900
27x10-12	250/75-12	8.00 G-12	•	GS	232	675	9.13	26.50	8600	6615	3900	3000
7.00-15		5.50-15	•	GS	175	705	7.01	27.76	7815	6005	3545	2725
7.00-15		6.00-15	•	GS	175	705	7.01	27.76	7815	6005	3545	2725
250-15	250/70-15	7.00-15	•	GS	211	712	8.43	28.03	10470	8045	4750	3650
250-15	250/70-15	7.50-15	•	GS	211	712	8.43	28.03	10470	8045	4750	3650
8.15-15 (28x9-15)	225/75-15	7.00-15	•	GS	202	681	8.23	26.81	8310	6390	3770	2900
8.25-15		5.50-15	•	GS	194	809	7.64	31.85	10470	8045	4750	3650
8.25-15		6.50-15	•	GS	193	809	7.60	31.85	10470	8045	4750	3650
300-15	315/70-15	8.00-15	•	GS	243	812	9.57	31.97	12895	9920	5850	4500
355/65-15		9.75-15	•	GS	291	826	11.46	32.52	17190	13230	7800	6000
9.00-20		6.50-20		GS	225	971	8.86	38.23	11770	9810	5340	4450
9.00-20		7.00-20		GS	225	971	8.86	38.23	11770	9810	5340	4450
10.00-20		7.00-20		GS	250	1006	9.84	39.61	13230	11025	6000	5000
10.00-20		7.50-20		GS	250	1006	9.84	39.61	13230	11025	6000	5000
10.00-20		8.00-20		GS	250	1006	9.84	39.61	13230	11025	6000	5000
11.00-20		7.50-20		GS	265	1088	10.43	42.83	14420	12015	6540	5450
11.00-20		8.00-20		GS	265	1088	10.43	42.83	14420	12015	6540	5450
11.00-20		8.50-20		GS	265	1088	10.43	42.83	14420	12015	6540	5450
12.00-20		8.00-20		GS	265	1088	10.43	42.83	16535	13780	7500	6250
12.00-20		8.50-20		GS	265	1088	10.43	42.83	16535	13780	7500	6250

**PRESS ON BAND**  
MATERIAL HANDLING TIRES

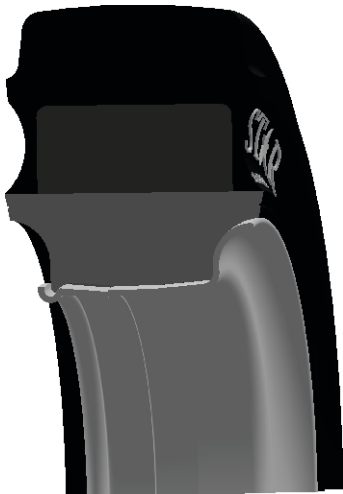
Tyre Size		SM	LUG	Tire load capacity on forklifts at Max. Speed			
				10 Miles/h (Lbs)		16 Km/h (Kg)	
Inch	mm			Load wheel	Steer wheel	Load wheel	Steer wheel
10x4x6 1/2	254/102-165	•		1530	1290	695	585
10x5x6 1/2	254/127-165	•	•	1995	1675	905	760
10 1/2 x5x 6 1/2	267/127-165	•		2113	1772	960	805
10x4 3/4x6 1/2	254/121-165	•		1874	1579	850	716
13 1/2x4 1/2x8	343/114-203	•		2205	1850	1000	840
13 1/2x5 1/2x8	343/140-203	•		2965	2490	1345	1130
13 1/2x6 1/2x8	343/165-203	•		3240	2710	1470	1230
12 x 4 1/2 x8	305/114-203	•	•	2072	1477	940	670
14x4 1/2x8	356/114-203	•	•	2300	1930	1045	875
14x5x10	356x127-254	•		2648	2207	1200	1000
15x5x11 1/4	381/127-286	•		2735	2305	1240	1045
15x6x11 1/4	381/152-286	•		3385	2845	1535	1290
16x5x10 1/2	406/127-267	•	•	2965	2490	1345	1130
16x6x10 1/2	406/152-267	•	•	3770	3165	1710	1435
16x7x10 1/2	406/178-267	•		4563	3836	2070	1740
16 1/4x5x11 1/4	413/127-286	•		3000	2525	1360	1145
16 1/4x6x111/4	413/152-286	•	•	3780	3175	1715	1440
16 1/4x7x111/4	413/178-286	•		4555	3825	2065	1735
18x5x12 1/8	457/127-308	•		3230	2710	1465	1230
18x6x12 1/8	457/152-308	•	•	4120	3470	1870	1575
18x7x12 1/8	457/178-308	•	•	5925	4220	2280	1915
18x8x12 1/8	457/203-308	•	•	5920	4970	2685	2255
18x9x12 1/8	457/229-308	•	•	6810	5720	3090	2595
21x6x15	533/152-381		•	4640	3890	2105	1765
21x7x15	533/178-381	•	•	5645	4740	2560	2150
21x8x15	533/203-381	•	•	6660	5590	3020	2535
22x8x16	559/203-406	•	•	6900	5790	3130	2625
22x9x16	559/229-406	•	•	7950	6670	3605	3025
22x10x16	559/254-406	•		8995	7550	4080	3425
22x12x16	559/305-406	•		11090	9315	5030	4225
	645/200-410	•		9215	7561	4180	3430
	645/250-410	•		10420	8552	4725	3878
28x10x22	711/254-559	•		10285	8290	4665	3760
28x12x22	711/305-559	•		12135	10230	5505	4640
22x16x16	559/406-406	•		13850	11640	6925	5820
40x16x30	1016/406-762	•		21610	17740	10805	8870
40x20x30	1016/508-762	•		30910	25400	14020	11520



## **TECHNICAL INFORMATION**

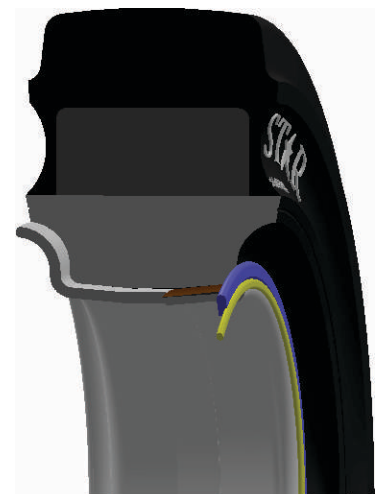
BASIC TIRE AND RIM SPECIFICATIONS

# TIRE TYPES AND RIM MOUNTING TYPES



## Clip Version-Single piece Rim

Fits with the one piece base rim without rim flange or locking rings. Tire inner layer consists of high hardness rubber where it guarantees a perfect rim fit. This type of tire and rim provides quick and easy installation.



## Standard Version-Multi Piece Rim

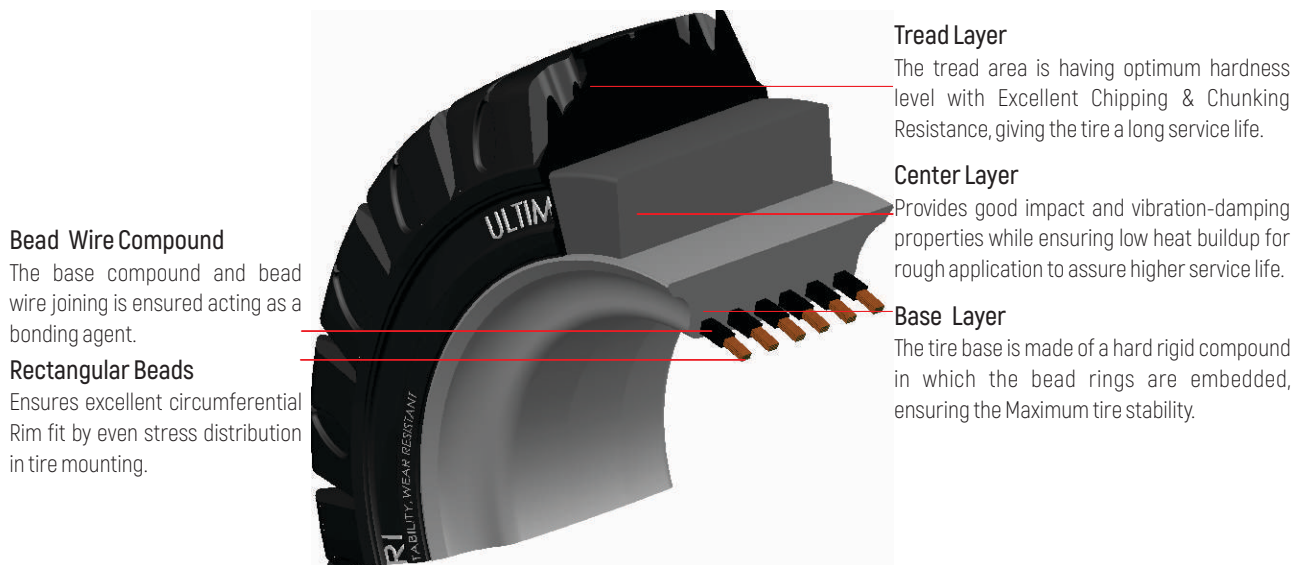
Multi piece rims consist of two or three piece components (Lock ring, Rim Flange, Bead Seat Ring) where standard Tires are mounted. Designed for easy tire installation with Excellent Rim fit.



## Standard Version-Split Rim

Split Rim is divided type of Rim with two parts where standard Tires are mounted. Easy tire mounting and possesses excellent rim Fit. Special feature of this version is there is no need of highly equipped tire mounting presses to mount Tires.

# TIRE CONSTRUCTION - SOLID RESILIENT TIRES



**Bead Wire Compound**  
The base compound and bead wire joining is ensured acting as a bonding agent.

**Rectangular Beads**  
Ensures excellent circumferential Rim fit by even stress distribution in tire mounting.

**Tread Layer**  
The tread area is having optimum hardness level with Excellent Chipping & Chunking Resistance, giving the tire a long service life.

**Center Layer**  
Provides good impact and vibration-damping properties while ensuring low heat buildup for rough application to assure higher service life.

**Base Layer**  
The tire base is made of a hard rigid compound in which the bead rings are embedded, ensuring the Maximum tire stability.

## SPECIAL VERSIONS

**NON MARKER-** This is light yellow color tire specially manufactured not to leave marks on the surface. These tires are specially used in the places like food, beverages, pharmaceutical industries where clean flow is important.

**HIGH CAPACITY-** This tire is designed with extremely hard compounds to obtain highly rigid structure in comparison to standard tires. The significant feature of Super-elastic and Cushion tires is their ability to sustain high loads with minimal deformation.

**ANTISTATIC-** Special characteristic of this tire is to release the static electricity accumulated by the vehicle onto the ground. These tire specially used in the environments where accumulation of static electricity can cause damages.

**LOW COST-** special version of tire that manufactured by two compound layers, base and center. Specially used for low continues running time, speed and load. Optimum running time according to the value.

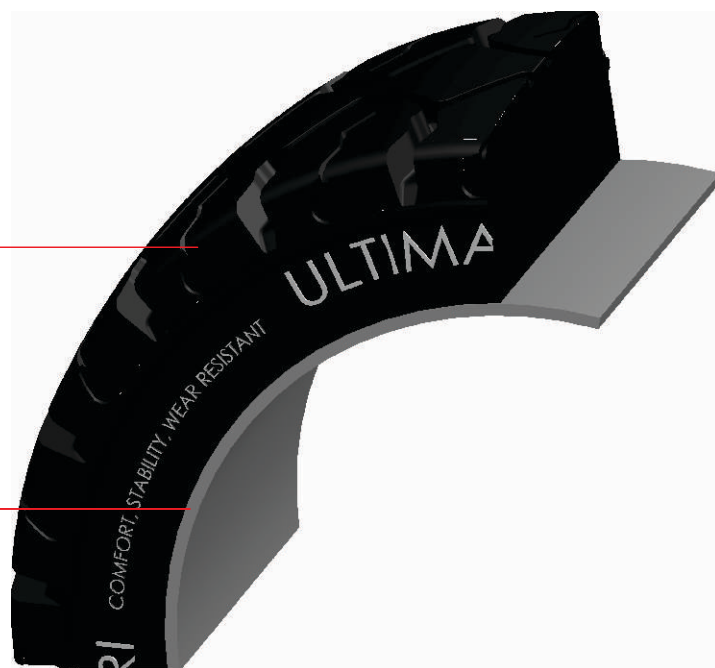
# TYRE CONSTRUCTION – PRESS ON BAND TIRES

## Tread Layer

The tread layer has excellent abrasion resistance and cut Resistance, giving the tire a long service life.

## Press on Band

This Rigid steel band provides good heat dissipation and incorporates the best possible adhesion of rubber to steel. It also enhances the stability of the tire.



## KEY BENEFITS OF USING POB TIRES

Low rolling resistance

Long tread wear guarantees maximum hourly output

Tough durable construction designed for severe operating conditions

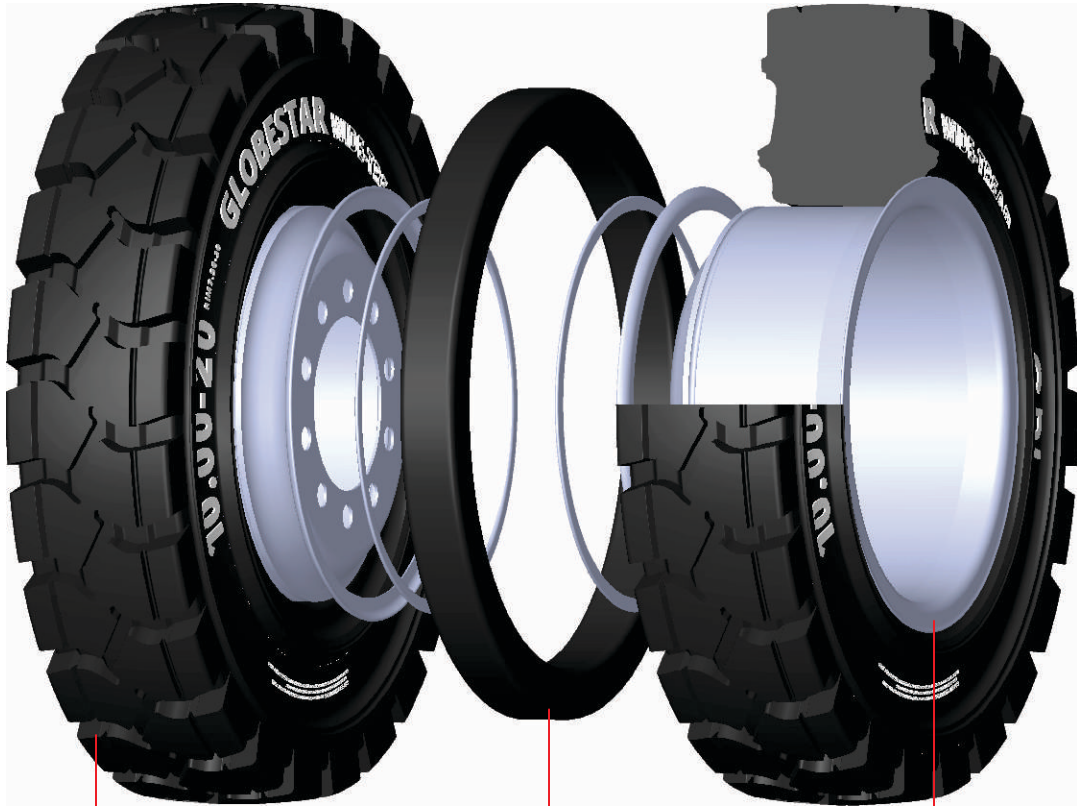
Drive and steer position compatible

Ensures high stability

Premium compounds reduce cuts and chunking



# DUAL TIRE ASSEMBLY



**TYRE**

Square tread pattern  
Optimum aspect ratio  
More stability

**SPACER**

Prevent infiltration of debris

**FLAT BOTTOM RIM**

Increased thickness  
More solidity  
Perfect drip with tire

**COMPOUND**

High resistance to cuts and tears  
Optimum shock absorbing capability

**TREAD**

Long mileage  
Improved traction and grip



# SOLID TIRES USER INSTRUCTIONS, MAINTENANCE & REPLACEMENT

## INTRODUCTION

The physical contact between vehicle and ground is ensured by the tires. It is therefore critical part in the ground transportation system. Maintained in good condition at all times, and that when the time comes to change them, correct replacements have to be done.

The tires fitted to your vehicle as Original Equipment were selected by the vehicle and tire manufacturers concerned taking into account the intended operations of the vehicle. Dealing with vehicle manufacture is recommended in case of changes in tire type, size and load capacity for the feasibility and safety.

## FITTING AND REMOVAL OF TIRES

As this is a more critical part in the vehicle, these operations be entrusted only to specialists who have the necessary equipment and expertise. Unless incorrect fitment may lead to personal injury and also damage to Tires and wheels. In brief, no special equipment is necessary for fitting solid Tires on centrally divided conical rims, but appropriate presses and accessories are required for fitment on off-set divided conical rims, cylindrical rims and pneumatic tire rims. The published instructions of the tire manufacturer must be strictly followed. Only rims recommended by the tire manufacturer must be used. Approved proprietary tire lubricants should be used to avoid damage to the base of the tire and in case of fitting it must be placed on the rim concentrically and parallel to the axis. The tires mounted on same axle must be in same size and same type.

## TIRE LOAD AND SPEED

Tire load capacities are specified per tire. Published Standards or manufacturers' Manuals should be consulted to obtain the actual values applicable to a particular application at the speed specified.

## PURPOSE OF WEAR LIMIT

There is no particular limit for the tread wear of industrial vehicles defined by national or international standards. Several manufacturers provide instructions solely for their products. However, in case no recommendations are provided by manufacturers, please abide by the contents published in this standard. This standard suggests tread wear limits for solid tires used on industrial vehicles that operate under conditions that are not regulated by the Highway Code and are to be used in case no instructions are provided by the manufacturer of the vehicle or tires.

## GENERAL RECOMMENDATION

GRI recommends for tires not to be worn beyond the 60J Line [Tread Wear Indicator] positioned on the tread of the tire. The height of the 60J line was defined according to a study based on safety and cost savings for the user. However, in case there is no 60J line, GRI recommends to replace the tires for safety reasons when 10% of the original tread is worn.



GRI is a leading producer of Specialty Tires from Sri Lanka with offices in six countries and sales in over 50 countries around the world. GRI produces high-performance Agriculture, Construction and Material Handling Tires. GRI's state-of-the-art factory is the largest in Sri Lanka to produce specialty tires and the first to produce radial agriculture tires. Technological innovation, engineering strength and operational excellence have powered GRI through rapid growth to become a leader in specialty tires. GRI is certified in ISO 9001:2015 - Quality Management, ISO 50001:2011 - Energy Management and ISO 14001:2004 Environmental Management.

[WWW.GRITIRES.COM](http://WWW.GRITIRES.COM)

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