



Basic Tire Terminology – Industrial Tires



RMA / TRA

- **RMA – Rubber Manufacturer's of America**
- **TRA – Tire & Rim Associates**
- **ETRTO – European T&R Technical Organization**

Establishes standards for tires and wheels for the guidance of manufactures of such products.

SOLID TIRE CONSTRUCTION

3-COMPOUND DESIGN

- Wear resistant tread compound
- Resilient center compound
- Super base compound
- High tensile creel beads

PROPERTIES

- Low Speed / High Load
- Long Operating Life
- Wear, Puncture, & Fatigue Resistant
- Maintenance Free

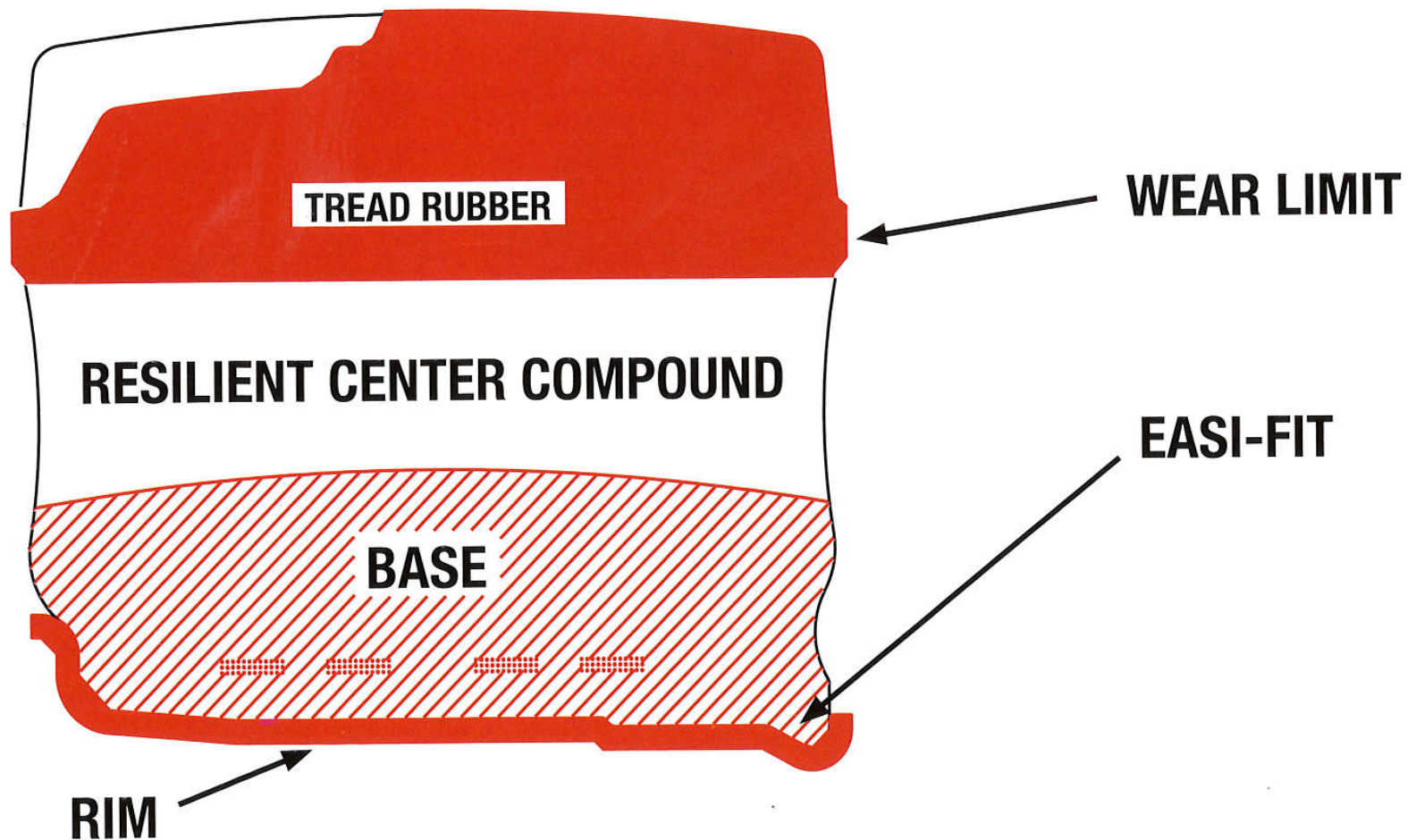
APPLICATIONS

- Industrial Vehicles
- Harbor, Warehouse, Mining, Railways, Airports





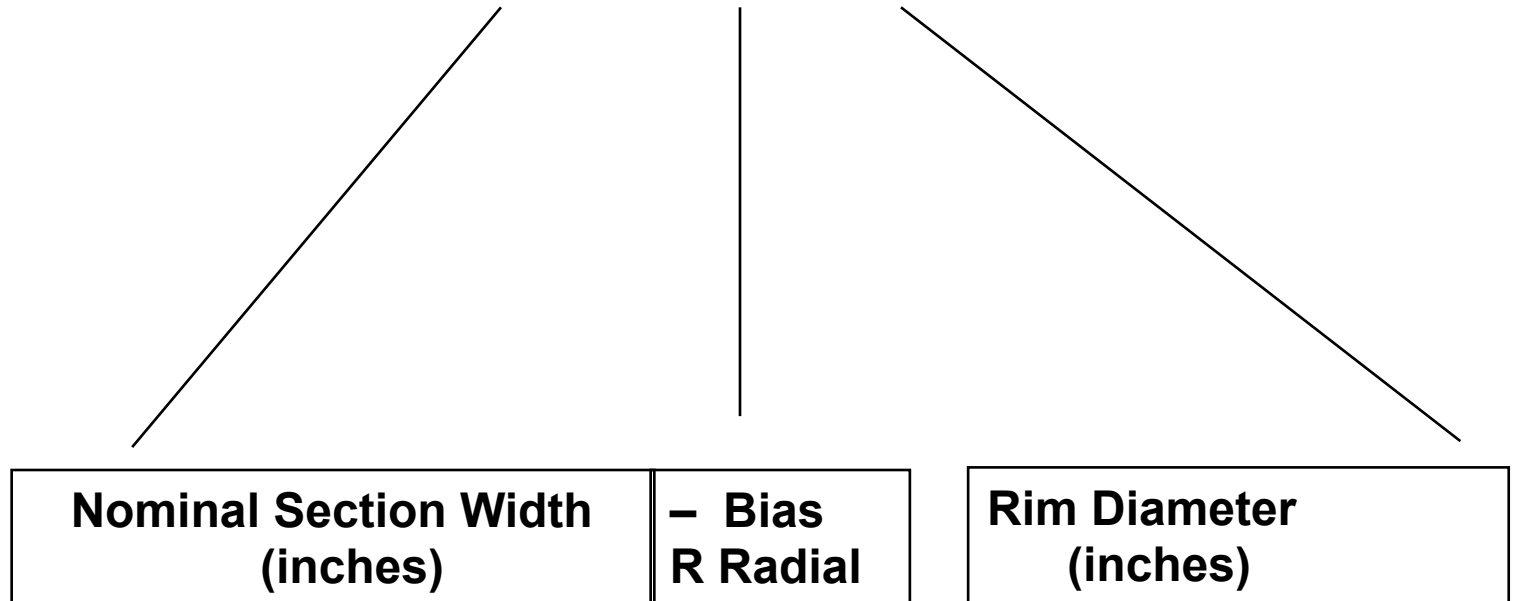
Tire Construction





CONVENTIONAL SIZING

23X10-12





Industrial Tires & Application



LB-033



MB-413



OB-501



OB-502



LB-033



- Pneumatic Industrial tire for use on Forklift applications.
- Entry Level tire for the customer who is on a budget.
- Medium lug pattern for optimum traction.



MB-413

- Low rolling Resistance
- Deep Tread Grooves
- Wide Lugs On Shoulder For Excellent Traction





OB-501

- Tread Compound is Designed For Longer Tread Life
- Reinforced Sidewall
- Rim Guard
- Cut Resistant





OB-502



- **Larger Lugs for Better Surface Contact and Traction**
- **Low Rolling Resistance For Optimum Efficiency on The Installed Equipment**
- **Cut Resistant**
- **Reinforced Sidewall**
- **Rim Guard**



LB-033

Cat	Size	Type	GTC Patter	FET	Max.Speed d (mph)	Infl. Pressure (PSI)	Max. Load (lb)	Standard Rim	Tyre Valve	Tread Depth (32nds)	Tire Weight (Lbs)
Samson Brand Industrial Tires Premium Penumatic Fork-Lift											
44305-2	4.00-8/10	TTF	LB-033	0.00	20	145	2013	3.00D	Z1-02-1	8.8	11.44
44312-2	5.00-8/10	TTF	LB-033	0.00	20	145	3003	3.50D-8	Z1-01-1	12.6	14.41
44318-2	6.00-9/12	TTF	LB-033	0.00	20	145	3993	4.00E	Z1-01-1	13.9	25.04
44325-2	6.50-10/12	TTF	LB-033	0.00	20	131	4543	5.00F	Z1-01-1	13.9	29.72
44330-2	7.00-12/14	TTF	LB-033	0.00	20	131	5830	5.00S-12	Z1-01-1	18.9	41.4
44332-2	7.00-15/12	TTF	LB-033	0.00	20	120	6490	5.5-15	Z1-01-2	17.6	47.28
44338-2	7.50-15/14	TTF	LB-033	0.00	20	94	4950	5.50F	Z1-01-1	18.9	52.21
44342-2	8.25-15/18	TTF	LB-033	0.00	20	134	7700	6.0-15	Z1-01-2	17.6	74.49
44345-2	18x7-8/14	TTF	LB-033	0.00	20	145	10043	6.5	Z1-01-4	18.9	20.75
44348-2	21x8-9/14	TTF	LB-033	0.00	20	131	3993	4.33R-8	Z1-01-1	16.4	28.2
44350-2	23x9-10/16	TTF	LB-033	0.00	20	131	5368	6E-09	Z1-01-4	16.4	40.59
44352-2	27x10-12/14	TTF	LB-033	0.00	20	116	6325	6.50F	Z1-01-4	17.0	51.26
44358-2	28x9-15/14	TTF	LB-033	0.00	20	102	7491	8.00G-12	Z1-01-3	18.9	56.19
44360-2	250-15/16	TTF	LB-033	0.00	20	145	8250	7	Z1-01-6	20.2	68.51
44362-2	300-15/20	TTF	LB-033	0.00	20	120	9218	7.5	TR444	23.9	107.27



MB-413

Cat	Size	Type	Patter	FET	Max. Speed (mph)	Infl. Pressure (PSI)	Max. Load (lb)	Standard Rim	Approved Rim	Tyre Valve	Tread Depth (32nds)	Tire Weight (Lbs)
Samson Brand Industrial Electro-Plus Low Rolling Resistance												
24300-2	5.00-8/8	TTF	MB-413	0.00	15	120	2717			JS2		12.74
24305-2	5.00-8/10	TTF	MB-413	0.00	15	145	3124			JS2		13.11
24308-2	6.00-9/10	TTF	MB-413	0.00	15	123	3773			Z1-01-1		24.55
24316-2	23X9-10/16	TTF	MB-413	0.00	15	116	6578			Z1-01-4		37.88
24318-2	23X9-10/18	TTF	MB-413	0.00	15	145	6470	6.5		TR442	15.1	39.38
24322-2	21X8-9/12	TTF	MB-413	0.00	15			6.00E		TR442	12.0	26.77
24324-2	21X8-9/14	TTF	MB-413	0.00	15	131	5577			Z1-01-3		27.81
24326-2	21X8-9/16	TTF	MB-413	0.00	15	145	5401	6.00E		TR442	12.0	27.98
24328-2	21X8-9/18	TTF	MB-413	0.00	15	155	5798	6.00E		TR442	12.0	27.48
24334-2	18X7-8/14	TTF	MB-413	0.00	15	131	4147			JS2		18.35



OB-501

Cat	Size	Type	Patter	FET	Max. Speed (mph)	Infl. Pressure (PSI)	Max. Load (lb)	Standard Rim	Tyre Valve	Tread Depth (32nds)	Tire Weight (Lbs)
24010-2	5.00-8/10	TTF	OB-501	0.00	15	145	2535	3.00D	TR87	17.0	15.11
24020-2	6.00-9/12	TTF	OB-501	0.00	15	149	3715	4.00E	JS2	19.8	28.84
24030-2	6.50-10/12	TTF	OB-501	0.00	15	141	4266	5.00F	JS2	20.0	35.75
24040-2	7.00-12/16	TTF	OB-501	0.00	15	160	6217	5.00S	TR440	21.4	46.49
24050-2	7.00-15/16	TTF	OB-501	0.00	15	160	7187	5.50F	TR440	24.1	52.51
24060-2	7.50-15/16	TTF	OB-501	0.00	15	149	7981	6.00G	TR440	22.4	59.84
25050-2	8.15-15/16	TTF	OB-501	0.00	15	149	7374	7	TR442	21.8	59.27
24090-2	8.25-15/16	TTF	OB-501	0.00	15	135	9072	6.5	TR442	24.1	81.91
24091-2	9.00-16/16	TTF	OB-501	0.00	15	131	10902	6.50H	Z1-01-4	25.2	85.25
24095-2	9.00-20/14	TTF	OB-501	0.00	15	105	11243	7.00	Z1-01-6	26.5	126.26
24102-2	10.00-20/16	TTF	OB-501	0.00	15	131	14363	7.50	Z1-01-7	27.7	154.66
24104-2	10.00-20/20	TTF	OB-501	0.00	15	145	15322	7.50	Z1-01-7	27.7	157.21
24106-2	12.00-20/16	TTF	OB-501	0.00	15	100	15388	8.5	Z1-01-8	29.0	192.68
24108-2	12.00-20/20	TTF	OB-501	0.00	15	120	17086	8.5	Z1-01-8	29.0	198.31
24109-2	12.00-20/24	TTF	OB-501	0.00	15	140	18739	8.5	Z1-01-8	29.0	206.62
24110-2	12.00-20/28	TTF	OB-501	0.00	15	160	20282	8.50	Z1-01-8	29.0	220.75
24111-2	12.00-20/32	TTF	OB-501	0.00	15						227.26
25021-2	16X6-8/14	TTF	OB-501	0.00	15	123	3119	4.33R	TR87	16.0	17.56
25023-2	15X7-8/14	TTF	OB-501	0.00	15	130	3505	4.33R	TR87	16.0	16.85
25025-2	18x7-8/16	TTF	OB-501	0.00	15	145	4277	4.33R	TR87	18.9	22.15
25040-2	27x10-12/20	TTF	OB-501	0.00	15	155	*	8.00G	TR300	27.8	61.84
25062-2	2.50-15/18	TTF	OB-501	0.00	15	149	9050	7.5	TR444	24.1	73.77
25064-2	2.50-15/22	TTF	OB-501	0.00	10/15	150	6250/*5865	2660	TR444	24.1	75.97
25072-2	28X12.5-15/18	TTF	OB-501	0.00	15		*	9.75BD	TR440	21.8	88
25074-2	28X12.5-15/22	TTF	OB-501	0.00	10/15	145	5730/*5345	2425	TR440	21.8	90.95
25082-2	3.00-15/18	TTF	OB-501	0.00	15	115	12566	8.0	TR444	32.0	109.05
25084-2	3.00-15/22	TTF	OB-501	0.00	15		*	8.0	TR444	32.0	111.72
25092-2	32X12.1-15/18	TTF	OB-501	0.00	15		*	9.75BD	TR440	32.0	120.76
25094-2	32X12.1-15/22	TTF	OB-501	0.00	15	149	*	9.75BD	TR440	32.0	127.36



OB-502

Cat <input type="text"/>	Size <input type="text"/>	Type <input type="text"/>	Patter <input type="text"/>	FET <input type="text"/>	Max. Speed (mph) <input type="text"/>	Infl. Pressure (PSI) <input type="text"/>	Max. Load (lb) <input type="text"/>	Tyre Valve <input type="text"/>	Tire Weight (Lbs) <input type="text"/>
24205-2	5.00-8/10	TTF	OB-502	0.00	15	145	3124	TR87	16.28
24210-2	6.00-9/10	TTF	OB-502	0.00	15	123	3773	JS2	24.75
24220-2	6.50-10/10	TTF	OB-502	0.00	15	112	4290	JS2	29.68
24230-2	7.00-9/10	TTF	OB-502	0.00					31.24
24242-2	7.00-12/12	TTF	OB-502	0.00	15	123	5896	TR440	43.67
24244-2	7.00-12/14	TTF	OB-502	0.00	15	131	6061	TR440	43.12
24246-2	7.00-15/14	TTF	OB-502	0.00	15	131	7370	TR440	52.8
24248-2	7.50-15/16	TTF	OB-502	0.00	15	145	8580	TR440	66.81
24252-2	8.25-12/12	TTF	OB-502	0.00					53.42
24258-2	21X8-9/16	TTF	OB-502	0.00	15	145	6061	TR440	30.51
24264-2	8.25-15/14	TTF	OB-502	0.00	15	116	9295	TR442	71.48
24266-2	18x7-8/16	TTF	OB-502	0.00	15	145	4719	TR87	23.54
24270-2	2.50-15/20	TTF	OB-502	0.00	15	145	11088	TR444	89.76
24274-2	28X9-15/14	TTF	OB-502	0.00	15	145	8580	TR442	62.79
24276-2	28X9-15/16	TTF	OB-502	0.00	15	149	9009	TR442	63.89
24284-2	27x10-12/14	TTF	OB-502	0.00	15	102	7799	TR300	63.71
24290-2	3.00-15/20	TTF	OB-502	0.00	15	131	14300	TR444	110.88



Advance Press On Band Tires



SMOOTH POB



TRACTION POB



Advance Press On Band Tires

- The factory takes pride in developing a smooth and traction Press On with a wide foot print.
- The factory uses the latest technology to provide accurate and precise bands for the Press On line
- Tires are designed with a square tread profile for added stability
- Both smooth and traction tires are
 - Puncture proof
 - High Load Carrying Capacity
 - Low Rolling Resistance



Solid Skid Steer





Solid Skid Steer

- ***Available in 10-16.5 and 12-16.5 sizes***
- ***Very Deep and Aggressive Tread***
- ***Press On Design For Use On Rims With a Lock Bead Design***
- ***No Downtime Due To Flats, and Lower Replacement Cost to The User***





Solid Skid Steer Offered by GTCNA

Cat	Size	Type	Design	GTC Pattern	FET	Mini Q'TY	D40 Loading	Rim	Outer-dia (mm) ±1.0%	Width (inch) ±1.0%		Tire Weight (Lbs)
											15 mph	
SST001G	31X10-20/7.5	SSL	Advance Solid Skid steer	SSL	0.00	20	245	7.5-20	31.1	9.9	6028	147
SST005G	33X12-20/7.5	SSL	Advance Solid Skid steer	SSL	0.00	20	180	7.5-20	32.8	11.3	7139	190



PLY RATING

- Does not mean number of plies in tire. Ratings vs. actual plies
- Applies to bias tires
- Each tire manufacturer determines number of plies so tire will perform at its maximum load and inflation.
- Max load and inflation is based on tire size.



NACOM TRAINING

SAMSON

ADVANCE