



US-IR

TYTES



Authorised Dealer USA / CANADA

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# INTRODUCTION

**USR Tires has been revolutionizing the Solid tire and Ground support Equipment tire sector all around for over Two decades. We have made an incredible mark in the industry and together with a team that is focused on success, have taken our business to new heights.**

**Established in 1996 as a member of UNIQUE SYSTEM AND Radials group, USR started its first step in the Equipment division by manufacturing process machines, Tire Molds, Tire Press and Tire Stitching machines with a whole team of first-class professional technicians.**

**Having built a strong reputation and inculcating decades of skills and experience in designing Tire Machinery and Molds to the Colossal Tire industries, USR has embarked to venture into a 100% Export Oriented unit for manufacturing of Industrial Tires recognized by the Indian commerce Ministry with advance technology in processing of high-quality Natural Rubber and Technically Specified Rubber.**

**All tires produced by USR Tires are in full compliance with international manufacturing and management standards and regulations. Our success depends on exceeding the expectations of our customers and standing behind everything we do. Our aim is to build long term relationships with our customers by providing excellent service, quality and delivering our promises.**

**Our expertise includes technical support for our customers, designing product lines and improving tire quality. We use our tremendous resources and facilities to successfully serve all of our customers worldwide.**

## **Our Strength**

**Excellent manufacturing machines with the high-end technology of rubber compounding, forming and Tire design, USR directly supplies Industrial Solid tires to fulfill the needs of customers by providing total solutions for Forklifts, Airport related products, Aerobridge wheels, Ground support equipment, Construction and other material handling equipment.**

**We make consistent developments of tire technology aiming to be the best cost effective Industrial Solid Tire manufacturer. To keep in step with the changing variables, we have with us a specialized team, who are aware of the rising customer's preferences.**

**We are so pleased that our tires can be seen all over the world, having supplied to Delta Airlines USA, ITL Canada, Eni Scissor lift –non mark wheels and solid tires in Europe, Africa middle East and Asia.**

# PRODUCTS OVERVIEW (AIR - LAND - WATER)

## **AIRPORT GSE**

- ❖ **Aerobridge Tires**
- ❖ **Baggage Dolly / Trolley Tires**
- ❖ **Airport GSE Solid Tires**

## **INDUSTRIAL**

- ❖ **Forklifts**
- ❖ **Combi lifts**
- ❖ **Scissor Lifts**
- ❖ **Boom Lifts / Tele Handlers**
- ❖ **Press On Bands**
- ❖ **Bobcat Machines**
- ❖ **BT Machines ( PU wheels)**
- ❖ **Customize Solid tires for all Applications**

## **OTHERS**

- ❖ **Terminal Handling Trailer tires**
- ❖ **Dock Bumpers**
- ❖ **Dock Shelters**
- ❖ **Wheel Choke / Stopper**



# CERTIFICATE

*This is to Certify that*

**M/S USR TYRES & TREADS PVT. LTD.**

25, SIDCO INDUSTRIAL ESTATE, THIRUVERUMBUR,  
TRICHY – 620014, TAMILNADU, INDIA

*has been independently assessed and is compliant with the requirements of:*

**ISO 9001:2015**

(Quality Management System)

*This certificate is applicable to the following product or service ranges:*

MANUFACTURING OF SOLID TYRES, EXPORT & DTA SALES

Certificate No.: SPC21Q5295

Date of Initial Registration: 29-04-2021  
1st Surveillance audit on or before: 28-04-2022  
2nd Surveillance audit on or before: 28-04-2023  
Date of Re-Certification: 29-04-2024

*Michel*

Authorised Signatory

**SP Certification Limited**  
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EC1V9BD, U.K.  
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[www.spcertification.co.uk](http://www.spcertification.co.uk)



Accredited by Accreditation Forum of International Standards [AFIST (UK) LTD.]  
9, Park View Road, Leeds, LS4 2LG, United Kingdom (UK), Email : [info@afist.org](mailto:info@afist.org), Website : [www.afist.org](http://www.afist.org)  
The approval is subject to the company maintaining its system to the required standards, which will be monitored by SPC.  
The Certificate remains the property of SPC and must be returned on request.  
To check validity of this certificate please visit [www.spcertification.co.uk](http://www.spcertification.co.uk) and [www.afist.org](http://www.afist.org)

<b>Prüfbericht - Nr.:</b> Test Report No.:	IND/BLR/CH/2012/1768	Seite 1 von 5 Page 1 of 5	
<b>Auftraggeber:</b> Client:	USR Tyres & Treads Pvt Ltd No.25, SIDCO Industrial Estate, Thiruverumbur, Tiruchirapalli-620 014, Tamilnadu, India.		
<b>Gegenstand der Prüfung:</b> Test item:	Tyre Cut Piece		
<b>Bezeichnung:</b> Identification:	'I' Shape		
<b>Anlieferungsstatus:</b> Delivery Condition :	Einwandfrei, prüfgegenstand Getester wie angeliefert	<b>Eingangsdatum:</b> Date of receipt:	10.04.2012
	Apparent good, Samples Tested as received	<b>Order No.:</b>	1403019090
<b>Prüfart:</b> Testing location:	TÜV Rheinland India Pvt.Limited		
<b>Prüfgrundlage:</b> Test specification:	Customer requirement :  73 Substances of Very High Concern (SVHC) as per Authorization List and Candidate List – 01, 02, 03, 04, 05 and 06 Authorization list Proposed by European Chemical Agency ( ECHA) With reference to Corrigendum to Regulation (EC) no.1907/2006, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals( REACH).		
<b>Prüfergebnis:</b> Test Result:	Please refer below pages.		
<b>Prüflaboratorium/ Testing Laboratory:</b>	TÜV Rheinland Hong Kong Ltd		
<b>zusammengestellt/ compiled by:</b>	<b>kontrolliert/ checked by:</b>		
<i>J. Rajam</i> 18.04.2012 Rajesh Jain	<i>P. Shanmugasundaram</i> 18.04.2012 Shanmugasundaram .P		
<b>Datum</b> Date	<b>Name</b> Name	<b>Unterschrift</b> Signature	<b>Datum</b> Date
<b>Sonstiges/ Other Aspects: -</b>			
<b>Abkürzungen:</b> ok / P = entspricht Prüfgrundlage fail / F = entspricht nicht Prüfgrundlage n.a. / N = nicht anwendbar		<b>Abbreviations:</b> ok / P = passed fail / F = failed n.a. / N = not applicable	
<b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b> <i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i>			

## AERO BOARDING BRIDGE TYRE



### FMC AIR SYSTEM

A New wheel carriage for A380 Upper Deck Passenger Boarding Bridge, suitable for FMC Air System, which is a robust and heavy duty design that increases Operational Longevity and Stability.

**WE SUPPLY** \* Press on Band with Wheel  
\* Rubberized Wheel

## NON-MARKING TYRE ON CAST WHEEL

MADE OUT OF 100% NATURAL RUBBER

Hotels  
Offices  
Pharmaceuticals  
Electronic  
Textile Industries



### Scissor Lifts Trolleys

S. NO	WHEEL SIZE	WEIGHT		
		RUBBERIZED WT IN KGS	CARTING WT IN KGS	TOTAL WT IN KGS
1	22"	20.00	31.00	51.00
2	15"	15.50	5.00	20.50
3	12"	10.00	3.00	13.00
4	10"	5.00	1.80	6.80

## WHEEL STOPPER

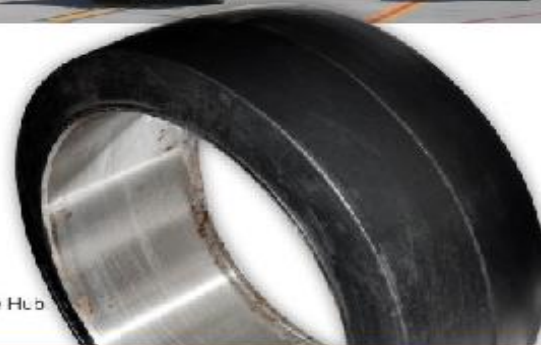


### SIZE

- 40" x 16" x 30"
- 36" x 16" x 30"
- 28" x 16" x 22"

### THYSSENKRUPP AIR System

Heavy Duty Design with no Flange Hub



## SOLID RUBBER RINGS BLACK

TROLLEY | TRAILER | WELDING PLANT | EQUIPMENT STAND  
MOBILE EQUIPMENT MOVEMENT STAND



ALSO WITH NON MARK COMPOUND FOR AIRPORT TROLLEY

### RUBBER RINGS

S. NO	SIZE	Hardness 82 +/- 2 Ehs	
		DESIGN	
1	50 x 20	0.102	
2	75 x 20	0.170	
3	100 x 20	0.300	
4	125 x 20	0.400	
5	150 x 25	0.530	
6	80 x 25 - 50	0.240	
7	100 x 25 - 50	0.360	
8	100 x 25 - 50	0.508	
9	125 / 32 - 5 - 50	0.855	
10	140 / 32 - 5 - 50	0.890	
11	150 / 40 - 80	0.800	
12	180 / 45 - 90	1.250	
13	200 / 50 - 100	0.035	
14	210 / 40 - 125	2.250	
15	225 / 55 - 100	4.000	
16	250 / 50 - 150	2.570	
17	250 - 80	3.250	
18	280 / 50 - 130	4.800	
19	300 / 50 - 200	6.100	

## BUFFER RINGS

DESIGN APPROVED WORLDWIDE

We supply Tyre Rim Assembly with Buffer Ring.

Protects the Disc, Bearing and Brake System from Damage.

For  
 \* Agricultural Trailers  
 \* Trucks  
 \* Road Laying Equipment



S.No	SIZE	WT. IN KGS
1	1200 x 20	52.50
2	1200 x 24	62.50
3	1000 x 20	41.50
4	900 x 20	41.50

## CONTAINER TRAILER

- Designed, Fabricated and engineered in-house.
- Manufacture and export of Container Trailers.
- Useful at limited spaces like Cargo Areas and Baggage Ramps.
- Quick one-man loading and unloading.

DESCRIPTION	WEIGHT IN KGS
Load Bearing Capacity	23,000 Kgs
Dimensions (L x W x H)	2500 mm x 6200 mm
Max Speed	Upto 16 Km / Hr
Tyres	16 Tyres, Press on Band



## AIRPORT GSE-TROLLEY TYRE



### 3 LAYER TYRES

Consisting of Tread, Core and Base Compounds, and an additional core compound giving excellent cushioning effect and driving comfort, like a pneumatic tyre.

### 2 LAYER TYRES

Also consisting of Tread and Base Compounds, and are used in rough applications in industrial shop floors. They are also used in ground support equipment like Airport Trolleys and Trailers.

DESCRIPTION	400 x 8		500 x 8		15 x 4.5 x 8		16 x 6.5 x 8	
	Disc (wt. in kg)	Rubber (wt. in kg)	Disc (wt. in kg)	Rubber (wt. in kg)	Disc (wt. in kg)	Rubber (wt. in kg)	Disc (wt. in kg)	Rubber (wt. in kg)
2 STAGE (With Disc)	3.00	12.10	3.50	15.40	3.2	14.2	4.00	16.7
3 STAGE (With Disc)	3.00	12.00	3.50	15.20	3.2	13.9	4.00	16.00



## SOLID TYRES

FOR MATERIAL HANDLING APPLICATIONS  
 Excellent Driving Comfort | Low Heat Build-up  
 High Load Bearing | Stability  
 Less Rolling Resistance

TREAD COMPOUND | CORE COMPOUND | BASE COMPOUND | LIP COMPOUND

## PRESS ON BAND TYRES

RUBBER BONDED TO MILD STEEL STRIP

NON-MARKING | OIL RESISTANT | FIBER GLASS | ON REQUEST ORDERS

WEIGHTS OF THREE STAGE TYRES							
S. NO	SIZE	RIM	WEIGHT (KGS)	DIMENSION (MM)		LOAD CAPACITY (KG)	
				WIDTH	TYRE CD	LOAD WHEEL 10 KMPH	STEER WHEEL 16 KMPH
1	4.00 - 8	3.75	11.50	112	303	0	955
2	5.00 - 8	3	16.10	102	450	0	877
3	16 x 41 J 2.75	3	10.30	80	100	1140	800
4	16 x 8 - 4	4.00	15.50	113.5	100	1400	1150
5	18 x 7 - 8	4.33	21.60	137	450	2145	1350
6	6.00 - 9	4	26.60	123	500	1685	1300
7	21 x 9 - 9	6	35.00	174	501	2755	2000
8	6.50 x 10	5	37.30	144	562	2040	1300
9	23 x 9 - 10	6.5	52.25	194	570	3160	2430
10	7.00 x 12	5	47.50	157	647	2620	2182
11	23 x 10 - 12	6.5	46.60	194	570	3160	2430
12	27 x 10 - 12	8	70.60	196	620	2560	2830
13	750 - 15	6.5	65.10	188	736	3685	2585
14	700 - 15	6	48.50	190	693	3545	2597
15	28 x 9 - 15	6.5	57.00	198	510	2680	3100
16	250 - 15	7	74.75	205	726	4362	3157
17	300 - 15	8	111.20	248	809	5735	4333
18	8.25 - 15	6.5	80.50	212	761	4000	3000
19	9.00 - 20	6.5	119.00	215	790	3180	4000
20	10.00 - 20	8	156.50	222	860	5340	4450
21	12.00 - 20	8	194.40	270	1020	5640	4995

Advisable for fragile and sensitive applications like electrical, electronic and glasswares.

Tread is designed for good grip and longevity, while core is used for maximum comfort and reduced rolling resistance.



PRESS ON BAND TYRES										
S.NO	SIZE	DESIGN	WEIGHT (KGS)	10 Km/h		16 Km/h		20 Km/h		
				LOAD WHEEL	STEER WHEEL	LOAD WHEEL	STEER WHEEL	LOAD WHEEL	STEER WHEEL	
1	300 x 130 x 203	Smooth	9	1044	858	930	780	757	620	
2	305 x 114 x 203	Smooth	11.2	1040	855	930	780	780	620	
3	360 x 80 x 270	Smooth	8.5	550	450	490	410	395	327	
4	405 x 130 x 304	Smooth	14.3	1510	1240	1350	1135	1064	867	
5	415 x 100	Smooth	13.5	1800	1470	1590	1230	1160	1050	
6	425 x 100	Lug	21	1910	1570	1705	1435	1360	1195	
7	425 x 300	Smooth	42	1910	1570	1705	1435	1360	1195	
8	475 x 75	Smooth	10.5	910	730	800	670	650	533	
9	14 x 41/2 x 8	Smooth	11.3	1185	955	1000	875	875	695	
10	16 x 8 x 10.5	Smooth	19.4	1905	1565	1700	1430	1430	1185	
11	17 1/4 x 5 x 11 1/4	Smooth	20	1525	1250	1360	1145	1145	905	
12	18 x 8 x 12 1/3	Lug	22	2090	1745	1895	1595	1500	1245	
13	18 x 7 x 12 1/3	Smooth	24.3	3000	2450	2600	2250	2200	1785	
14	18 x 7 x 12 1/3	Smooth	23.5	3000	2450	2600	2200	2200	1785	
15	21 x 7 x 10.5	Smooth	30.8	2870	2360	2535	2150	2100	1710	
16	22 x 8 x 16	Smooth	29	2400	1980	2170	1820	1820	1440	
17	22 x 12 x 16	Lug	53.8	5640	4635	5005	4230	4230	3355	
18	22 x 16 x 16	Lug	29.8	2750	2275	2435	2020	2020	1610	
19	27 x 8 x 12 1/3	Lug	39	2755	2260	2440	2035	2035	1640	

### ADVANTAGES

- \* Maximum surface to surface contact area.
- \* Excellent cut and chunk resistance
- \* Excellent ride quality | Very low rolling resistance
- \* Cool Running
- \* High Speed - Long Distance Solution
- \* High Stability | Drum drive applications





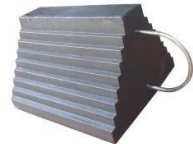


# USR Tyres & Treads Pvt. Ltd.

PIONEERS IN INDUSTRIAL TYRES & RIMS



## WHEEL STOPPER



## DOCK BUMPER



## BOBCAT SOLID TYRE



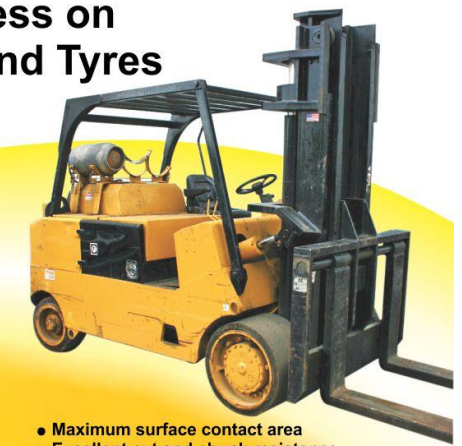
## Solid Tyre

- Excellent Driving Comfort
- Low Heat Build-up
- High Load Bearing
- Stability
- Less Rolling Resistance

SIZE	RIM	WIDTH	TYRE OD	LOAD WHEEL	STEER WHEEL
4.00 - 8	3.75	112	393	0	955 kg
5.00 - 8	3.00	102	450	0	877 kg
15 x 41/2-8	3.00	80	381	1040 kg	800 kg
16 x 6 - 8	4.33	113.5	406	1490 kg	1150 kg
18 x 7 - 8	4.33	137	450	2145 kg	1650 kg
6.00 - 9	4.00	123	520	1885 kg	1390 kg
21 x 8 - 9	6.00	174	521	2755 kg	2032 kg
6.50 - 10	6.00	144	562	2340 kg	1800 kg
23 x 8 - 10	6.50	194	570	3160 kg	2430 kg
7.00 - 12	5.00	157	647	2920 kg	2182 kg
23 x 10 - 12	6.50	194	570	3160 kg	2430 kg
27 x 10 - 12	8.00	196	520	2890 kg	2560 kg
7.50 - 15	6.50	188	736	3686 kg	2568 kg
7.00 - 15	6.00	190	693	3545 kg	2597 kg
28 x 9 - 15	6.50	198	510	3100 kg	2980 kg
2.50 - 15	7.00	205	726	4362 kg	3157 kg
3.00 - 15	8.00	246	809	5735 kg	4333 kg
8.25 - 15	6.50	212	761	4000 kg	3000 kg
9.00 - 20	6.50	215	790	4000 kg	3180 kg
10.00 - 20	7.50	222	990	5340 kg	4450 kg
12.00 - 20	8.00	270	1020	5804 kg	4865 kg

SIZE	RIM	LOAD CAPACITY IN 16 KM/H	
		LOAD WHEEL	STEER WHEEL
300 x 120 x 203	S / L	930 kg	780 kg
305 x 114 x 203	S / L	930 kg	780 kg
360 x 60 x 270	S / L	410 kg	390 kg
405 x 130 x 304	S / L	1350 kg	1135 kg
415 x 100	S / L	1590 kg	1230 kg
425 x 150	S / L	1705 kg	1435 kg
475 x 75	S / L	800 kg	670 kg
14 x 41/2 - 8	S / L	1000 kg	875 kg
16 x 6 - 10.5	S / L	1700 kg	1430 kg
17 1/4 x 5 - 11 1/4	S / L	1360 kg	1145 kg
18 x 6 - 12 1/8	S / L	1865 kg	1565 kg
18 x 7 - 12 1/8	S / L	2680 kg	2250 kg
21 x 7 - 10.5	S / L	2565 kg	2155 kg
22 x 6 - 16	S / L	2170 kg	1825 kg
22 x 12 - 16	S / L	5035 kg	4230 kg
22 x 16 - 16	S / L	6925 kg	5825 kg
27 - 6 - 12 1/8	L	2460 kg	2065 kg
SIZE	L	LOAD WHEEL	STEER WHEEL
SIZE	L	LOAD WHEEL	STEER WHEEL

## Press on Band Tyres



- Maximum surface contact area
- Excellent cut and chunk resistance
- High Speed, Long Distance Solution
- High Stability / Drum drive applications
- Low Heat Building



SIZE	RIM	TYRE OD	WIDTH	LOAD CAPACITY
31 x 10 - 16	6.00 - 16	780	255	3000 kg
31 x 10 - 20	7.50 - 20	780	255	3100 kg
33 x 12 - 16	6.00 - 16	840	280	3900 kg
33 x 12 - 20	7.50 - 20	840	280	4100 kg

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