

# **DSI**

**INDUSTRIAL  
TYRES**



INDUSTRIAL TYRE  
CATALOGUE  
**2016 / 2017**

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



Product of Sri Lanka



Samson Rubber Products (Pvt) Ltd., a subsidiary of DSI Samson Group which was established in 1994 has more than 50 years of experience in Moulded Rubber Products Industry.

Samson Rubber Products (Pvt) Ltd. is a leading manufacturer that has expanded its local and overseas market footprint. The indomitable spirit with unflinching perseverance laid the path for its achievement.

The company has ventured into many export markets and caters to a large customer base around the world. Samson Rubber Products is one of the main moulded rubber products exporters in the country which dominates the world market. It is one of the renowned manufacturers of Solid Tyres in Sri Lanka and currently exports to North America, European Union, Australia & New Zealand and Asia.

The company focuses on human capital development, continuous improvement and expansion of capacity to ensure an efficient customer service while investing in product innovation through research & development.

The company's strategic investment in modern machinery and engineering provides a competitive edge over the competitors. The company is a proud recipient of ISO 9001: 2008 quality certificate for quality consistency certified by DNV. Further, our products comply with REACH regulation of EU, especially in respect of substances of very high concern.

With 20 years of experience, the company strives to secure its main corporate values such as social responsibility, respect for customers, transparency, continuous improvement of processes, systems and procedures and professionalism.

Team work, customer relationship and observance of quality standards enabled the company to gain recognition.

DSI Industrial Tyre is a trusted name for Quality Tyres around the world.



## ***SOLID RESILIENT TYRES***



### **TREAD PATTERNS**





## Solid Resilient Range

Resilient – are made with varying compound structures, plain or steel wire reinforced, and offer superior rim fitting characteristics, rolling resistance, heat resistance, wear & abrasion resistance, shock absorption and stability. Both STANDARD and PREMIUM types are available.

PREMIUM **DSI** *XTREME PLUS* represents the excellence of the DSI resilient tires range, many impressive features set PREMIUM at the top of the worldwide market. It is a larger, wider and stronger tire, designed to be employed in the most severe working conditions, where heavy duty applications and pressing shifts stress the tires at remarkable levels.



STANDARD **DSI** *econoMAX* is strong and long lasting, it performs effectively on all modern material handling equipment, fully complying with the most strict industrial application requirements. It meets every customer's needs, providing excellent grip, total traction, and top ride quality, assuring higher durability and cost efficiency.



### Features of **DSI** Resilient

- Larger outside diameter.
- Thicker tread.
- Offering an exceptional robustness.
- Reduces vehicle maintenance needs.
- High performance tire.
- Wider contact area.
- The best net/gross footprint area ratio and more rubber volume.
- A superior load capacity and a longer lifetime with the maximum reliability.
- Non marking - White compound eliminating black tire marks on any surface.

### Technical details of the available compounds.



Compound is designed for maximum wear and cut resistance.



Non-marking compound that doesn't leave tire marks on any surface.



This is electrically conducting compound is designed for use in inflammable areas or areas with danger of explosion.



This is a dual compound specially design for extreme applications where heat buildup is a problem. It gives: very good dynamic performance, low rolling resistance and outstanding durability.

## TYRE CONSTRUCTION



A strong approach to International Quality.

# SOLID RESILIENT TYRES

## STANDARD **DSI** *econoMAX*

Tyre Construction	3 Layers. High quality Natural Rubber formulation. Soft center compound for comfort.
Driving	Driving comfort.
Operating Conditions	Heavy duty, Continuous use.
Advantages	Long operating life. Less vibration. Less rolling resistance.

## PREMIUM **DSI** *Xtreme Plus*

Tyre Construction	3 Layers. Specially developed high quality Natural Rubber formulation. Soft center compound developed for extra comfort.
Driving	Great stability & driving comfort.
Operating Conditions	Extreme operating condition.
Advantages	Superior long operating life. Less vibration. Less rolling resistance. Lateral stability.

## TYRE SPECIFICATIONS

Tyre Size	Rim Size	Tyre Dimension (mm)		Load Capacity (kg)				
				Forklift truck Up to 25km/h (Counter Balanced)		Other Vehicle		
		Max : Width	OD	Load Wheel	Steering Wheel	6 km/h	10 km/h	25 km/h
4.00 - 8	3.00	105	405	950	730	950	860	730
5.00 - 8	3.00	118	455	1415	1090	1415	1285	1090
6.00 - 9	4.00	154	533	1885	1450	1885	1710	1450
6.50 - 10	5.00	170	581	2340	1800	2340	2125	1800
7.00 - 12	5.00	187	664	2920	2240	2920	2645	2240
16 x 6 - 8	4.33	146	406	1270	975	1270	1150	975
18 x 7 - 8	4.33	158	455	2145	1650	2145	1945	1650
21 x 8 - 9	6.00	182	518	2755	2120	2755	2500	2120
23 x 9 - 10	6.50	200	580	3160	2430	3160	2865	2430
28 x 9 - 15	7.00	215	700	3445	2650	3445	3125	2650
7.00 - 15	6.00	194	739	3545	2725	3545	3215	2725
250 - 15	7.00	236	720	4745	3650	4750	4310	3650
300 - 15	8.00	254	813	5850	4500	5850	5310	4500
7.50 - 15	4.50	200	753	3900	3000	3900	3540	3000
8.25 - 15	6.50	203	818	4750	3650	4750	4300	3650
9.00 - 20	7.00	246	1010	5375	4450	5375	4900	4450
10.00 - 20	7.00	246	1010	6000	5000	6000	5350	5000

## ***PRESS ON BAND TYRES***



### **TREAD PATTERNS**





## Press On Band Tyres

DSI Press on Solids – consist of a cylindrical or conical steel band or steel wire on to which rubber is curved. Generally P.O.S. tires consist of a single layer of rubber although special two layer versions are available

DSI press on solid tires are used worldwide for all types of material handling applications. These include: forklift trucks, trailers, dollies, a range of specialized vehicles etc. Their high performance is a result of unique technology that enhances reliability and productivity. Two standard and three special compounds are available, giving end-users a comprehensive choice of compounds to suit every application.

### Technical details of the available compounds.



Compound is designed for maximum wear and cut resistance.



Non-marking compound that doesn't leave tire marks on any surface.



Compound combining low rolling resistance with good wearing characteristics and excellent thermal properties. This is suitable for electrically powered vehicles.



This is a dual compound specially design for extreme applications where heat buildup is a problem. It gives: very good dynamic performance, low rolling resistance and outstanding durability.



This is electrically conducting compound is designed for use in inflammable areas or areas with danger of explosion.



A strong approach to International Quality.



# PRESS ON BAND TYRES

	STANDARD	PREMIUM
Tyre Construction	High quality Natural Rubber formulation. Soft center compound for comfort.	Specially developed high quality Natural Rubber formulation. Soft center compound developed for extra comfort.
Operating Conditions	Heavy duty, Continuous use.	Extreme operating condition.
Advantages	Long operating life. Less vibration. Less rolling resistance.	Superior long operating life. Less vibration. Less rolling resistance. Lateral stability.

## TYRE SPECIFICATIONS

Tyre Designation		Tread Design	Load Capacity (Kg)					
Tyre Size			Up to 10 km/h		Up to 16 km/h		Up to 25 km/h	
inch	mm		Smooth (S) Traction (TR)	Load Wheels	Steering Wheels	Load Wheels	Steering Wheels	Load Wheels
14 x 4 1/2 - 8	356 x 114 - 203.2	S	1170	960	1045	875	850	695
15 x 5 -11 1/4	381 x 127 - 285.8	S	1390	1140	1240	1040	1010	830
15 x 6 - 11 1/4	381 x 152 - 285.8	S	1700	1540	1540	1240	1340	940
16 x 5 - 10 1/2	406 x 127 - 266.7	S/TR	1510	1240	1345	1130	1095	895
16 x 6 - 10 1/2	406 x 152 - 266.7	S/Semi Track	1910	1570	1710	1435	1390	1140
16 1/4 x 5 - 11 1/4	413 x 127 - 285.8	S/TR	1530	1250	1360	1145	1105	905
16 1/4 x 6 - 11 1/4	413 x 152 - 285.8	S/Semi Track	1920	1580	1715	1440	1395	1140
18 x 5 - 12 1/8	457 x 127 - 308	S	1640	1350	1470	1230	1195	980
18 x 6 - 12 1/8	457 x 152 - 308	S/TR	2110	1720	1870	1575	1525	1250
18 x 7 - 12 1/8	457 x 178 - 308	S/TR	2550	2100	2280	1910	1855	1520
21 x 7 - 15	533 x 178 - 381	S/TR	2875	2350	2560	2150	2085	1710
21 x 8 -15	533 x 203 - 381	S/TR	3375	2775	3025	2540	2455	2015
22 x 8 - 16	559 x 203 - 406.4	S	3500	2875	3130	2625	2545	2085
22 x 9 -16	559 x 229 - 406.4	S/TR	4050	3325	3600	3025	2930	2400
22 x 10 - 16	559 x 254 - 406.4	S	4575	3750	4080	3425	3315	2720
22 x 12 - 16	559 x 305 - 406.4	S	5625	4625	5030	4225	4090	3350



## ***AWP WHEELS***



### **TREAD PATTERNS**



## AWP Wheels

DSI manufactures a select range of Access Platform Vehicle wheels for Scissor Lifts, Boom lifts, Aerial Work Platforms etc.

Available as demountable tyres or mould-on wheels, in black or non marking treads.

- |                      |   |
|----------------------|---|
| Design               | - Nonmarking Natural Rubber tread moulded on to cast or fabricated wheel. |
| Operating conditions | - For use in clean environments, slow moving vehicles.                    |
| Advantages           | - Excellent traction for all ramp conditions and higher stability.        |

### Technical details of the available compounds.



Non-marking compound that doesn't leave tire marks on any surface.



Compound combining low rolling resistance with good wearing characteristics and excellent thermal properties. This is suitable for electrically powered vehicles.



A strong approach to International Quality.



# AWP WHEELS

All Tyres are Non Making, Natural Rubber, Moulded on to Cast/Fabricated Wheels.

## TYRE SPECIFICATIONS

Tyre Size	Rim Size	Width (inch)	Inner Diameter (inch)	Tread	Type De-mountable/ Mold-on)	Brake Brand (With/Without)
2.00 x 8	2.50 - 8	2.50	8.00	Smooth	DM	With/Without
4.00 x 8	3.75 - 8	3.75	8.00	Smooth	DM	With/Without
12 x 4	3.00 - 8	3.00	8.00	Rib	MO	With/Without
16 x 5 x 12	3.75 - 12	3.75	12.00	Rib	MO	With/Without







**DSI**  
**INDUSTRIAL**  
**TYRES**

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