



TR-900 RADIAL SOLUTION



TRELLEBORG

TR-900

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Trelleborg is underway with its TOTAL SOLUTION concept and is proud to introduce a top performance product, the TR-900, to the radial tire market. The TR-900 Industrial Radial Tire is the perfect combination of Trelleborg's industrial know-how and advanced radial technology. Designed to withstand industrial application stresses, the TR-900 product line offers stability, traction and security with its unique tread pattern and reinforced sidewalls. These tube-type tires offer good traction, are wear resistant and help to protect equipment, payload and driver. For all these reasons TR-900 can be considered the best industrial pneumatic tire for its longevity and comfort. The solid construction permits maximum performance and reduces downtime caused by punctures and tire damage.

TR-900 is built on a radial casing that runs perpendicular from bead to bead, up over the face of the tire and down to each sidewall. The crown is stabilized by a belt made of several plies, that makes it particularly suitable to run on aggressive and abrasive surfaces, preserving the operator's safety and comfort. Through intensive indoor and outdoor testing and in comparison with other competitors the TR-900 performance has been tested with very positive results. Its features make it suitable for all environments where the machine has to run long distances. The stability permits a higher speed and the absence of heat build-up extends the working time. It has been designed for use on material handling equipment such as forklift trucks, tow tractors and RO-RO trailers.

BETTER STABILITY

The reinforced sidewall offers better stability and assures safe operations, particularly during sudden manoeuvres such as sharp turns and hard braking.

This preserves the load and avoids accidents involving human operators. The TR-900 radial tire is not only safe but also comfortable thanks to optimised vibration absorption.

Stability has been measured during tests of the sidewall deformation. Both the torsional deflection and the lateral deformation are lower than the competitors' products.

ENERGY SAVINGS

Energy saving has been measured as liters of fuel used per 1000 working hours. The low fuel consumption depends on the exceptionally low rolling resistance which results in savings of battery power, gas and diesel. Energy saving also means better efficiency.

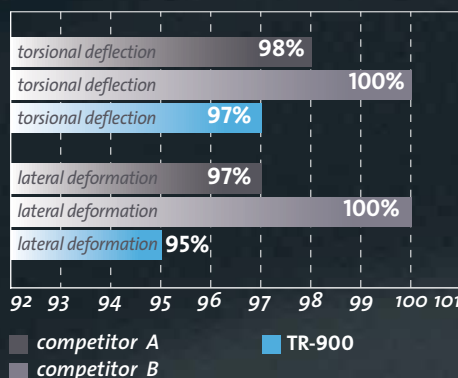
Efficiency of an investment in equipment is measured by the availability of the equipment (the number of hours worked by the machine divided by the total number of available working hours). A reduced number of stops for battery charging or refuelling will bring a great advantage in terms of efficiency to the end-user.

LONGER TIRE LIFE

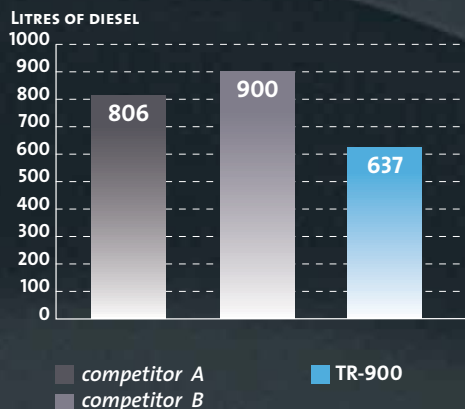
The extraordinary long life, measured as the distance covered by the tire during its lifetime, originates from the solid structure of the carcass that makes it resistant to punctures and is highly durable.

All these aspects can be translated into time and cost-savings for the end user, because the TR-900 reduces the down time of the forklift truck for tire replacement and maintenance.

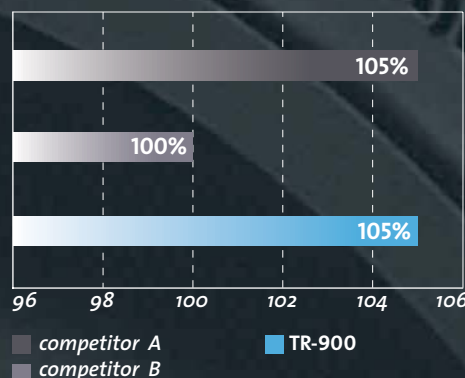
Sidewall deformation



Fuel consumption for 1000 working hours



Tire Life



AVAILABLE SIZES

Size	LI + SSY	Recommended rim	Inflated dimensions (mm)		Tread depth mm	Inflation pressure (±15%)		Load capacity (kg)				
			Width	O.D.		PSI	Bar	Forklift up to 25 km/h		Other vehicles		
					Front			Rear	10 km/h	25 km/h	40 km/h	
6.00R9	121A5	4.00	163	541	25	145	10	1885	1450	1885	1450	1295
6.50R10	128A5	5.00	183	584	27	145	10	2340	1800	2340	1800	1605
7.00R12	136A5	5.00	191	668	28	145	10	2915	2240	2915	2240	1995
7.00R15	143A5	5.50	193	734	28	145	10	3250	2500	3250	2500	2225
7.50R15	146A5	6.00	211	770	30	145	10	3900	3000	3900	3000	2670
28x9R15	149A5	7.00	221	706	23	145	10	4225	3250	4225	3250	2895
8.25R15	153A5	6.50	239	836	32	145	10	4745	3650	4745	3650	3250
250R15	153A5	7.50	251	734	26	145	10	4745	3650	4745	3650	3250
300R15	165A5	8.00	312	833	36	145	10	6695	5150	6695	5150	4585
10.00R20	166A5	7.50	292	1059	33	145	10	6890	5300	6890	5300	4720
12.00R20	176A5	8.50	318	1135	41	145	10	9230	7100	9230	7100	6320

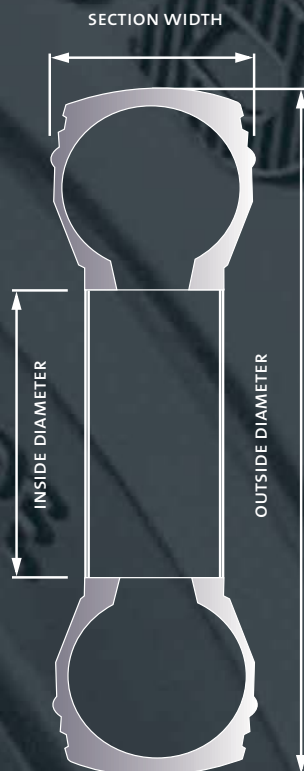
LI Load index is a numerical code associated with the maximum load a tire can carry at the speed indicated by its speed symbol, under service conditions specified by the tire manufacturer.

SSY The speed symbol indicates the maximum speed at which the tire can carry a load corresponding to its Load Index, under service conditions specified by the tire manufacturer. A5 corresponds to 25 km/h.

AVAILABLE TREAD PATTERN



RADIAL TIRE SIZES AND DIMENSIONS



28	x	9	R	15	149	A5
Outside diameter		Section width	Construction code	Nominal wheel diameter	Load index	Speed symbol
inch		inch				

6.00	R	9	121	A5
Section width	Construction code	Nominal wheel diameter	Load index	Speed symbol
inch				

250	R	15	153	A5
Section width	Construction code	Nominal wheel diameter	Load index	Speed symbol
inch				



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