



Tubeless Sealing Ring

For Continental Industrial Tubeless Tires
Improved Safety And Mobility

TSR Sizes

Tire Size	Rim	TSR Article description	TSR Article No.
5.00R8	3.00 D-8	TSR 5.00R8 TL (3.00)	0793017
125/75R8	3.00 D-8	TSR 125/75R8 TL (3.00)	0793002
150/75R8	4.33 R-8	TSR 150/75 -180/70R8 TL (4.33)	0793003
180/70R8			
6.00R9	4.00 E-9	TSR 6.00R9 TL (4.00)	0793004
6.50R10	5.00 F-10	TSR 6.50R10 TL (5.00)	0793005
225/75R10	6.50 F-10	TSR 225/75R10 TL (6.50)	0793007
7.00R12	5.00 S-12	TSR 7.00R12 TL (5.00)	0793001
250/75R12	8.0G-12	TSR 250/75R12 TL (8.00)	0793011
7.00R15	5.5-15	TSR 7.00R15 TL (5.50)	0793006
7.50 R15	6.0-15 / 6.5-15	TSR 7.50R15 TL (6.00/6.50)	0793008
8.25R15	6.5-15	TSR 8.25R15 TL (6.50)	0793000
225/75R15	7.0-15	TSR 225/75R15 TL (7.00) REINF.	0793029
250/70R15	7.0-15 / 7.5-15	TSR 250/70R15 TL (7.00/7.50) REINF.	0793031
315/70R15	8.0-15	TSR 315/70R15 TL (8.00) REINF.	0793030
355/65R15	9.75-15	TSR 355/65 R/- 15 TL (9.75) REINF.	0793026
355/65-15			
10.00R20	7.5-20 / 8.0-20	TSR 20"RadialTL (7.5/8.0/8.5) REINF.	0793027
11.00R20	7.5-20 / 8.0-20 / 8.5-20		
12.00R20	8.0-20 / 8.5-20		
10.00-20	7.5-20 / 8.0-20	TSR 20"x-ply TL (7.5/8.0/8.5) REINF.	0793028
12.00-20	8.5-20		

Accessories

Used for	Article description	Article No.	Picture
For rims with wide valve slot.	Valve slot cover plate	1732501	
If valve access is difficult due to wheel offset (recommended for most TSR 6.00R9 and TSR 225/75R10 applications).	VALVE EXTENSION 34 MM	1732054	
If valve access is difficult due to wheel offset.	VALVE EXTENSION 24 MM	1732055	
In case of low clearance to brake drum.	SPECIAL FLAT-BASE VALVE	1732056	
For use with 15" and 20" TSRs for rim widths from 7.0" to 9.75". Supplied along with the TSR. If necessary, the cover plate must be adapted to match the rim width.	Valve slot cover plate 15"/20" TSR	1732069	

Important notes

TSRs can only be used with Continental industrial tires marked "This tire is compatible with the Continental TSR system" on the sidewall. Tires with this designation can also be mounted without the TSR system, just with a tube and flap. The TSR system is not suitable for use with center split rims and (semi)drop center rims.



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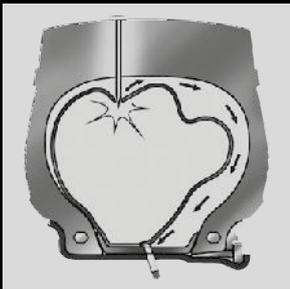
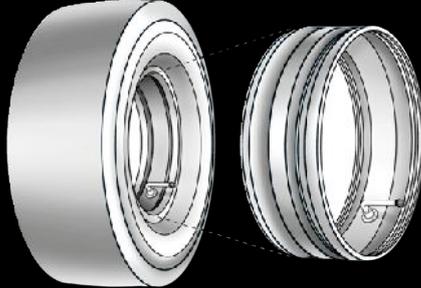
The TSR is a product which enables the mounting of tubeless industrial tires on standard industrial vehicle rims, which, because of their construction, must normally be mounted with a tube and a flap. The TSR consists of a rubber ring with an integrated tire inflation valve. The rubber ring sits on the cylindrical part of the rim between the beads of the tire, and ensures an airtight interface sealing the tire chamber without the use of a tube and flap.





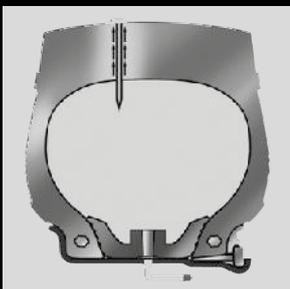
The Principle

A rubber sealing ring is mounted inside the tire between its beads.



Disadvantages of a Tube Tire

- Rapid deflation upon puncture
- Risk of valve rip-out
- Instant failure and increased downtime
- Risk of load and equipment damage

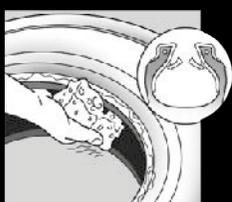


Advantages of tubeless tires

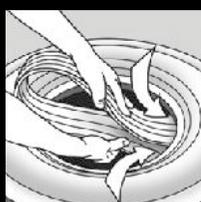
- No sudden airloss upon puncture
- Equipment remains safe, mobile and productive
- Elimination of sudden weight transfer results in improved vehicle stability and safety
- Turning on the rim is not critical
- Low profile tires have increased durability
- Simplified and quicker mounting
- Fewer parts than a tubed tire



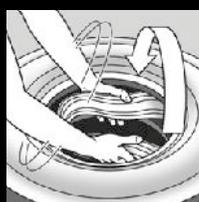
Mounting Steps



Lubricate bead area of the tire as well as the tire interior up to the middle of sidewall.



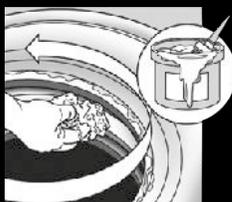
Fold the TSR in half to create a figure '8', and insert one loop into tire as far as possible.



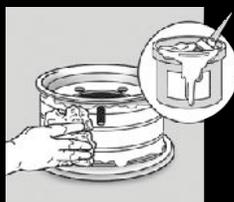
Rotate TSR to match the axis of the tire.



Working around the tire, press the TSR fully into position by pushing the TSR wings into the tire. It is very important to ensure that the TSR lies symmetrically inside the tire.



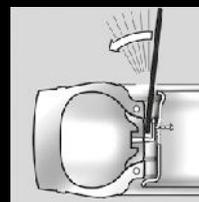
When the TSR is positioned in the tire, lubricate the visible surface of the TSR and the bead area.



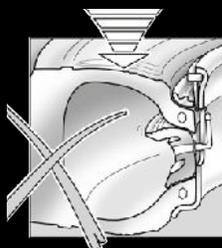
Lubricate the rim.



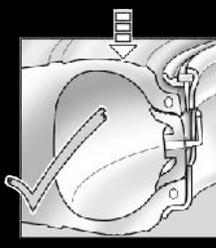
Align rim such that valve slot is in line with TSR valve as shown, and let tire fall into position, whilst ensuring that valve remains centered in the slot.



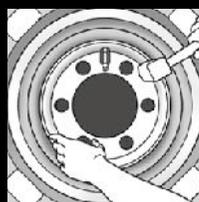
Using a lever, push valve through valve slot. Be careful not to decentralise the TSR.



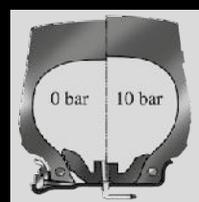
Wrong mounting with dislocated TSR: Don't compress the beads too far because the TSR will be dislocated and the valve may be damaged.



Correct ring mounting: Push the bead only as far as necessary to mount the rim rings.



Continue to assemble the rim with all the standard rim parts.



Inflate tire to 1 bar and check positioning of all components, before continuing to inflate to 10 bar within an inflation cage using a remote tire pressure gauge. Insert the valve core and reinflate to 10 bar.



Attach the wheel to the vehicle according to the vehicle manufacturer's specifications.

New valve slot cover plate (article no. 1732069)

This plate is designed for use with 15" and 20" TSRs for rim widths of 7.0" to 9.75" and is supplied along with these TSRs. The plate prevents buckling at the valve slot.

If necessary, the plate must be shortened at the predetermined break-off points to match the rim width before mounting the TSR. The conventional cover plate (article no. 1732501) can still be used for any other applications.

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