

TECHNICAL SPECIFICATION

B-101-0510

Inflatable pipe plug Lansas Ø500/1400 mm

Description	Value	Picture
Article Lansas	B-101-0510	 
Characteristics rubber		
Type rubber	Natural Rubber (NR)	
Colour	Black	
Hardness (Shore A)	45-55	
Tensile (N/mm ²)	18-30	
Chemical resistance	Good: water Sufficient: acetic acid, hydrocarbon	
Temperature resistance	From -25°C tot +80°C	
Density	1.10-1.16 g/cm ³	
Characteristics reinforcement		
Type of reinforcement	Aramid/full-body cording Twaron type 1014 6080	
Breaking load (average)	66N	
Weight	0,36 g/m	
Characteristics pipe plug		
Max. inflation pressure	1,5 Bar maximum	
Max. back pressure	Diam. 500 mm → 1,4 bar Diam. 700 mm → 1,3 bar Diam. 800 mm → 1,3 bar Diam. 900 mm → 1,2 bar Diam. 1000 mm → 1,1 bar Diam. 1200 mm → 1,0 bar Diam. 1400 mm → 0,9 bar	
Important: Values are only valid for testing with water in clean, concrete pipes at normal operating temperatures		
Test pressure	2 x maximum inflation pressure during 24 hours at maximum operational diameter	
Break pressure	> 6 bar	
Safety factor	> 4 times inflation pressure	
Weight	55 kg	
Liters (at maximum inflation pressure)	Diam. 500 mm → 1150 liters Diam. 1400 mm → 8450 liters	
Diameter deflated plug	472 mm	
Diameter minimum	500 mm	
Maximum expansion	1400 mm	
Length	2200 mm	
Thickness of rubber	9,5 - 10 mm	
Identification	RFID-chip integrated in plug	
Surface plug	Surface with circular rubber profile	
End plates	Aluminum plates – optional: stainless steel 316	
Fixation cord or chain	2 x Eye bolt size M12	
Safety devices	<ol style="list-style-type: none"> 1. Safety valve (durable and tight) attached directly to the upper end plate of the plug 2. Both end plates are tethered in order to prevent the end plates being ejected These safety devices are standard installed in our factory.	
Inflation hose	Delivered with 3 meters inflation hose, fixed to the plug by means of a clamp and delivered with 3 meters rope or chain, fixed to the plug on the eye bolt	
Valve	Choice between a car-type valve (on request we can deliver a reducer from car-valve to bike-valve) or a quick-release valve. Thread-size is 1/2"	
Accessoires	Set consisting of a pressure gauge (filled with glycerine) with high-impact resistance cover, T-shaped element and deflation-tap Set of pressure gauge (as mentioned above) but with expansion/escape valve Fit for the Sewer Safety & Testing Device (SSTD) for optimal safety and verification and control	