

# TECHNICAL SPECIFICATION

B-101-0500

## Inflatable pipe plug Lansas Ø500/1000 mm

Description	Value	Picture
Article Lansas	B-101-0500	 
<b>Characteristics rubber</b>		
Type rubber	Natural Rubber (NR)	
Colour	Black	
Hardness (Shore A)	45-55	
Tensile (N/mm <sup>2</sup> )	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 <sup>3</sup>	
<b>Characteristics reinforcement</b>		
Type of reinforcement	Aramid/full-body cording Twaron type 1014 6080	
Breaking load (average)	66N	
Weight	0,36 g/m	
<b>Characteristics pipe plug</b>		
Max. inflation pressure	2,5 Bar maximum	
Max. back pressure	Diam. 500 mm → 1,9 bar Diam. 600 mm → 1,6 bar Diam. 700 mm → 1,4 bar Diam. 800 mm → 1,2 bar Diam. 900 mm → 1,0 bar Diam. 1000 mm → 0,8 bar	
<b>Important:</b> 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	> 10 bar	
Safety factor	> 4 times inflation pressure	
Weight	26 kg	
Liters (at maximum inflation pressure)	Diam. 500 mm → 500 liters Diam. 1000 mm → 2250 liters	
Diameter deflated plug	472 mm	
Diameter minimum	500 mm	
Maximum expansion	1000 mm	
Length	1150 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 M10	
Safety devices	<ol style="list-style-type: none"> <li>1. Safety valve (durable and tight) attached directly to the upper end plate of the plug</li> <li>2. Both end plates are tethered in order to prevent the end plates being ejected</li> </ol> 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 1/4"	
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 <b>Sewer Safety &amp; Testing Device (SSTD)</b> for optimal safety and verification and control	