



These pneumatic plugs are designed for a multitude of applications. Test Balls® can be used to block sewer flow, or as a back plug for a sewer air test. Muni-Ball® plugs can be used to block flow, bypass pump sewage, and as a front or back plug for sewer air tests.

Plug Features:

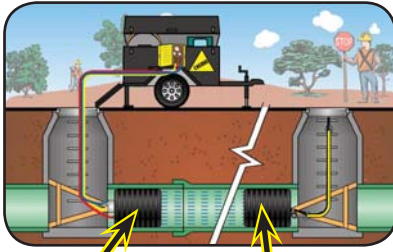
- Cast aluminum ends prevent rusting
- Removable inflation fittings for easy replacement or repair
- Natural rubber for great expansion and memory

NEW • Cross-biased cording helps prevent catastrophic failure in extreme working conditions

NEW • Now with rupture disc - prevents overinflation!

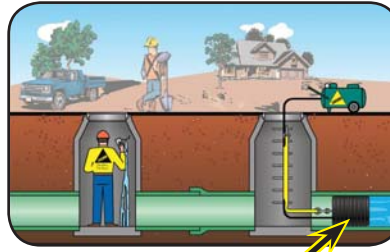
Plug Applications

Sewer Air Test



Muni-Ball® with conversion kit Test-Ball®

Blocking Sewer Flow



Test-Ball® or Muni-Ball®

Bypass Pumping



Muni-Ball®

Rupture Disc Technology

Rupture Disc



The rupture disc* is designed to prevent plug over-inflation, which both safeguards the user and protects the pipe plug from damage. The rupture disc has been incorporated into our 15-30", 24-42", 24-48", and 40-60" plugs presently and will be added to other plugs in the near future.

Rupture Disc Features:

- Increases Plug Life
 - Disc ruptures at 60% over required inflation pressure
 - Helps prevent "non-visible" damage to cording
 - Rupture disc won't burst until well over stated inflation pressure
 - No more catastrophic plug failures due to faulty gauges
 - Discs can be replaced at factory for nominal charge
- Improves User Safety
 - Reduces the possibility of plug explosion due to over-inflation
- Superior components/design
 - Aluminum housing - will not rust
 - Mounted internally - helps prevent tampering and inadvertent damage by user
 - Graphite rupture disc
 - Leak-free design
 - Precision calibrated

* Patent Pending

Part #	Nominal Size	Size Usage Range		Maximum Allowable Back Pressure		Product Specifications					Bypass Diam. (M NPT)	Inflation Valve Thread Size	Eye Bolt
		Minimum Diameter	Maximum Diameter	Air Pressure PSI*	Head Pressure (Feet of Head)	Required Inflation Pressure	Product Weight	Deflated					
								Length	Diameter				
Large Multi-Size Muni-Ball® Plugs with New Rupture Disc													
402308	15" - 30" (375 - 750 mm)	14.5" (368 mm)	30.5" (775 mm)	See chart below*	25 (1,7 bar)	62 lbs (28 kg)	51" (1289 mm)	14" (356 mm)	2½"	¼" & ½"	⅜" (4)		
404308	15" - 30" (375 - 750 mm)	14.5" (368 mm)	30.5" (775 mm)	See chart below*	25 (1,7 bar)	75 lbs (34 kg)	51" (1289 mm)	14" (356 mm)	4"	¼" & ½"	⅜" (4)		
404428	24" - 42" (600 - 1050 mm)	22.5" (570 mm)	42.5" (1080 mm)	See chart below*	25 (1,7 bar)	150 lbs (68 kg)	52" (1320 mm)	22" (560 mm)	4"	¼" & ½"	½" (4)		
404608	40" - 60" (1000 - 1525 mm)	38" (965 mm)	60.5" (1537 mm)	See chart below*	25 (1,7 bar)	350 lbs (159 kg)	73" (1855 mm)	37.25" (946 mm)	4"	¼" & ½"	½" (4)		
Large Multi-Size Test-Ball® Plugs with New Rupture Disc													
400308	15" - 30" (375 - 750 mm)	14.5" (368 mm)	30.5" (775 mm)	See chart below*	25 (1,7 bar)	45 lbs (21 kg)	51" (1289 mm)	14" (356 mm)	N/A	¼" & ½"	⅜" (2)		
400428	24" - 42" (600 - 1050 mm)	22.5" (570 mm)	42.5" (1080 mm)	See chart below*	25 (1,7 bar)	100 lbs (46 kg)	52" (1320 mm)	22" (560 mm)	N/A	¼" & ½"	½" (2)		
400608	40" - 60" (1000 - 1525 mm)	38" (965 mm)	60.5" (1537 mm)	See chart below*	25 (1,7 bar)	235 lbs (106 kg)	73" (1855 mm)	37.25" (946 mm)	N/A	¼" & ½"	½" (2)		

*Pressure Ratings for Large Multi-Size Muni-Ball® & Test-Ball® Plugs

Acutal Pipe Inside Diameter														
Part #	Plug Size	15"	18"	21"	24"	30"	30" DI**	36"	42"	42" DI**	48"	54"	60"	60" DI*
Air Pressure Ratings (PSI) DI** = Ductile iron, all classes														
402308 404308 400308	15" - 30"	17 (1,2 bar)	13 (0,9 bar)	13 (0,9 bar)	11 (0,76 bar)	11 (0,76 bar)								
404428 400428	24" - 42"				15 (1,0 bar)	13 (0,9 bar)	13 (0,9 bar)	11 (0,76 bar)	9 (0,62 bar)					
404608 400608	40" - 60"								15 (1,0 bar)	15 (1,0 bar)	13 (0,9 bar)	11 (0,76 bar)	8.7 (0,6 bar)	8.7 (0,6 bar)
Head Pressure Ratings (Feet of Head) DI** = Ductile iron, all classes														
402308 404308 400308	15" - 30"	40 (12 M)	30 (9 M)	30 (9 M)	25 (7.6 M)	25 (7.6 M)								
404428 400428	24" - 42"				35 (11 M)	30 (9 M)	30 (9 M)	25 (7.6 M)	20 (6.1 M)					
404608 400608	40" - 60"								35 (11 M)	35 (11 M)	30 (9 M)	25 (7.6 M)	20 (6.1 M)	20 (6.1 M)

* Always block plugs when conducting air tests!