



395 Series Test-Ball®



375 Series Test-Ball®

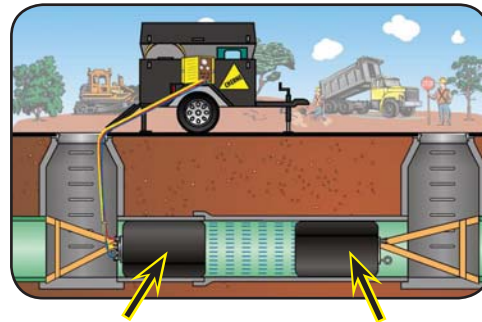


Sized to fit both American and metric pipe sizes, i-series™ plugs have a large expansion range, allowing them to work in many different sizes of pipe. The i-series™ plugs are designed to block/ bypass sewage or conduct a low pressure sewer air test.

Features:

- Full-body, high-strength aramid-reinforced natural rubber
- Plugs are bendable to 90 degrees
- Thick rubber body for added durability and exceptional performance
- i-series™ Muni-Ball® plugs have a bypass with threaded nipples on both ends
- 24"-48" plugs are designed to fit through 24" manholes
- 30"-60" plugs are designed to fit through 30" manholes
- 48"-72" plugs are designed to fit through 36" manholes
- 54"-96" plugs are designed to fit through a 52" opening
- Larger sizes now feature Rupture Disc (see page 14) (effective Jan 2007)

Application - Sewer Air Test



Muni-Ball® as Front Plug

Test-Ball® as Back Plug

Part #	Nominal Size	Size Usage Range		Maximum Allowable Back Pressure		Product Specifications					
		Minimum Diameter	Maximum Diameter	Air Pressure PSI*	Head Pressure (Feet of Head)	Required Inflation Pressure	Product Weight	Deflated		Bypass Diam.	Inflation Valve Thread Size
								Length	Diameter		
i-series™ Test-Ball® Plugs											
395088	4" - 8" (100-200 mm)	3.6" (92 mm)	8.25" (210 mm)	13 (0,9 bar)	30 (9.1 M)	30 (2,1 bar)	2.5 lbs (1.13 kg)	20.6" (469 mm)	3.5" (70 mm)	N/A	¼" removable
395168	8" - 16" (200-400 mm)	7.5" (186 mm)	16.25" (413 mm)	13 (0,9 bar)	30 (9.1 M)	30 (2,1 bar)	14.5 lbs (6.5 kg)	29.5" (750 mm)	7.25" (184 mm)	N/A	¼" removable
395248	12" - 24" (300 - 600 mm)	11" (279 mm)	24.25" (616 mm)	13 (0,9 bar)	30 (9.1 M)	30 (2,1 bar)	28 lbs (12.7 kg)	39.5" (1003 mm)	10.75" (273 mm)	N/A	¼" removable
395488**	24" - 48" (600 - 1200 mm)	20.5" (521 mm)	50" (1270 mm)	SEE CHART pg 13	SEE CHART pg 13	22 (2,5 bar)	125 lbs (57 kg)	74.5" (1892 mm)	20" (508 mm)	N/A	¼" & ½" removable
375608**	30" - 60" (700 - 1500 mm)	26.5" (675 mm)	60.5" (1537 mm)	SEE CHART pg 13	SEE CHART pg 13	22 (2,5 bar)	210 lbs (95.4 kg)	102" (2591 mm)	26" (661 mm)	N/A	½" & ½" removable
375728**	48" - 72" (1200 - 1800 mm)	44" (1118 mm)	72.25" (1835 mm)	6 (0,41 bar)	14 (4.3 M)	12 (0,83 bar)	290 lbs (132 kg)	100" (2540 mm)	43" (1092 mm)	N/A	½" & ½" removable
375968**	54" - 96" (1400 - 2400 mm)	54" (1400 mm)	96.25" (2450 mm)	6 (0,41 bar)	14 (4.3 M)	11 (0,75 bar)	500 lbs (228 kg)	128" (3200 mm)	50" (1270 mm)	N/A	½" & ½" removable
Shorter Length i-series™ Test-Ball® Plugs											
385168	8" - 16" (200-400 mm)	7.5" (186 mm)	16.25" (413 mm)	7.5 (0,5 bar)	16.75 (5.1 M)	30 (2,1 bar)	11lbs (5 kg)	23" (585 mm)	7.25" (184 mm)	N/A	¼" removable
385248	12" - 24" (300 - 600 mm)	11" (279 mm)	24.25" (616 mm)	7.5 (0,5 bar)	16.75 (5.1 M)	30 (2,1 bar)	24 lbs (11 kg)	33" (839 mm)	10.75" (273 mm)	N/A	¼" removable

** Includes new rupture disc feature effective Jan, 2007 (see page 14 for details)

* Always block plugs when conducting air tests!

355 Series Muni-Ball®



Bendable to 90 degrees

365 Series Muni-Ball®



Bendable to 90 degrees

Part #	Nominal Size	Size Usage Range		Maximum Allowable Back Pressure		Product Specifications					
		Minimum Diameter	Maximum Diameter	Air Pressure PSI*	Head Pressure (Feet of Head)	Required Inflation Pressure	Product Weight	Deflated		Bypass Diam. (F NPT)	Inflation Valve Thread Size
								Length	Diameter		
i-series™ Muni-Ball® Plugs											
355088	4" - 8" (100 - 200 mm)	3.75" (95 mm)	8.25" (210 mm)	13 (0,9 bar)	30 (9.1 M)	30 (2,1 bar)	5.9 lbs (2.7 kg)	22" (559 mm)	3.65" (93 mm)	¾"	¼" removable
355168	8" - 16" (200 - 400 mm)	7.7" (196 mm)	16.25" (413 mm)	13 (0,9 bar)	30 (9.1 M)	30 (2,1 bar)	23 lbs (10.5 kg)	32" (813 mm)	7.6" (194 mm)	2"	¼" removable
355248	12" - 24" (300 - 600 mm)	11.25" (286 mm)	24.25" (616 mm)	13 (0,9 bar)	30 (9.1 M)	30 (2,1 bar)	41 lbs (18.6 kg)	40" (1016 mm)	11.1" (282 mm)	2"	¼" removable
355488**	24" - 48" (600 - 1200 mm)	20.5" (521 mm)	50" (1270 mm)	SEE CHART BELOW	SEE CHART BELOW	22 (1,5 bar)	165 lbs (75 kg)	76" (1930 mm)	20" (508 mm)	4"	½" removable
365608**	30" - 60" (700 - 1500 mm)	26.5" (675 mm)	60.5" (1537 mm)	SEE CHART BELOW	SEE CHART BELOW	22 (1,5 bar)	210 lbs (95.4 kg)	102" (2590.5 mm)	26" (661 mm)	4"	½" & ½" removable
365728**	48" - 72" (1200 - 1800 mm)	44" (1118 mm)	72.25" (1835 mm)	6 (0,41 bar)	14 (4.3 M)	12 (0,83 bar)	310 lbs (141 kg)	100" (2540 mm)	43" (1092 mm)	4"	½" & ½" removable
365968**	54" - 96" (1400 - 2400 mm)	54" (1400 mm)	96.25" (2450 mm)	6 (0,41 bar)	14 (4.3 M)	11 (0,75 bar)	500 lbs (228 kg)	128" (3200 mm)	50" (1270 mm)	4"	½" & ½" removable

Back Pressure Ratings for i-series™ Test-Ball and Muni-Ball Plugs

	Actual Pipe Diameter								
	24" - 48"	24"	30"	36"	42"	48"	48" DI*	54"	60" DI*
Air Pressure Ratings	15 PSI (1,0 bar)	13 PSI (0,9 bar)	12 PSI (0,83 bar)	11 PSI (0,76 bar)	10 PSI (0,7 bar)	10 PSI (0,7 bar)			
Head Pressure Ratings	35 ft (11 M)	30 ft (9.1 M)	28 ft (8.4 M)	25 ft (7.6 M)	23 ft (7 M)	23 ft (7 M)			
	30" - 60"								
Air Pressure Ratings		15 PSI (1,0 bar)	15 PSI (1,0 bar)	15 PSI (1,0 bar)	13 PSI (0,9 bar)	13 PSI (0,9 bar)	12 PSI (0,83 bar)	10 PSI (0,7 bar)	
Head Pressure Ratings		35 ft (11 M)	35 ft (11 M)	35 ft (11 M)	30 ft (9.1 M)	30 ft (9.1 M)	28 ft (8.4 M)	23 ft (7 M)	

* Ductile iron: All classes

** Includes new rupture disc feature effective Jan, 2007 (see page 14 for details)

*Always block plugs when conducting air tests!