

I-SERIES TEST-BALL® PLUGS

The Future in Pipe Plugs is Now. I-Series Test-Ball® Plugs.

Features:

- Industry leading quality, consistency and durability
- Mechanical bonding of premium natural rubber and end plates eliminates failures from chemical bonding
- Improved performance and safety through optimized design
- Superior back pressure (15 psi, 1 bar)
- Premium performance and aesthetics
- Lightweight, short and flexible

I-SERIES PLUGS



Protective sleeves available for 12"-18" diameter and larger plugs. See page 23.

PART NUMBER	NOMINAL SIZE	USAGE RANGE	MAXIMUM BACK PRESSURE	INFLATION PRESSURE	PRODUCT WEIGHT	DEFLATED LENGTH
310088	4"-8" (100-200 mm)	3.95"-8.25" (92-210 mm)	15 psi (1 bar)	45 psi (3 bar)	3.8 lbs	23"
210088	6"-10" (152.4-254 mm)	5.5"-10.25" (139.7-260.35 mm)	15 psi (1 bar)	45 psi (3 bar)	4.5 lbs	19.3"
310128	6"-12" (150-300 mm)	5.5"-12.25" (140-310 mm)	15 psi (1 bar)	45 psi (3 bar)	7.1 lbs	25"
210128	8"-12" (200-300 mm)	7.5"-12.25" (186-310 mm)	15 psi (1 bar)	45 psi (3 bar)	11 lbs	19.8"
310168	8"-16" (200-400 mm)	7.5"-16.25" (186-413 mm)	15 psi (1 bar)	45 psi (3 bar)	11.4 lbs	28"
210188	12"-18" (300-450 mm)	10.75"-18.25" (279-464 mm)	15 psi (1 bar)	45 psi (3 bar)	20.7 lbs	25"
610188	12"-18" (300-450 mm) with sleeve	10.75"-18.25" (279-464 mm)	15 psi (1 bar)	45 psi (3 bar)	38 lbs	25"
310248	12"-24" (300-600 mm)	11"-24.25" (279-616 mm)	15 psi (1 bar)	45 psi (3 bar)	26.9 lbs	37"
694248	12"-24" (300-600 mm) with sleeve	11"-24.25" (279-616 mm)	15 psi (1 bar)	45 psi (3 bar)	42.2	37"

BACK PRESSURE DATA: I-SERIES PLUGS

PLUG SIZE	PIPE DIAMETER								
	4"	6"	8"	10"	12"	16"	18"	21"	24"
4"-8"	30.0 psi	23.0 psi	15.0 psi	-	-	-	-	-	-
6"-12"	-	26.0 psi	23.0 psi	22.0 psi	15.0 psi	-	-	-	-
8"-12"	-	-	26.0 psi	23.0 psi	15.0 psi	-	-	-	-
8"-16"	-	-	29.0 psi	27.0 psi	25.0 psi	15.0 psi	-	-	-
12"-18"	-	-	-	-	25.0 psi	22.0 psi	15.0 psi	-	-
12"-24"	-	-	-	-	27.0 psi	25.0 psi	22.0 psi	19.0 psi	15.0 psi

Consult page 69 for back pressure conversion to feet of head pressure.

READ BACK HOSES WITH GAUGE



PART NUMBER	DESCRIPTION
274218	5' Hose with Gauge 3/16" ID
274228	10' Hose with Gauge 3/16" ID
274238	20' Hose with Gauge 3/16" ID
274248	30' Hose with Gauge 3/16" ID
274268	50' Hose with Gauge 3/16" ID
274298	100' Hose with Gauge 3/16" ID

ALWAYS BLOCK PLUGS WHEN CONDUCTING AIR TESTS.



Cherne's I-Series plugs were designed to meet the needs of both the US and International markets in terms of size and expansion range. Our I-Series plugs have full body cording for added durability.

I-Series Plug Features:

- Superior expansion range
- Small deflated diameters
 - All plugs up through our 24-60" size easily fit through a 24" manhole frame
 - 48-72" and 54-96" plugs fit through 36" openings
- Aluminum end plates – minimizes rust/corrosion
- 3/4" eyebolts on plugs 15-32" and larger – better holding strength
- Patented field replaceable pressure relief valves on plugs 15-32" and larger – protects plug from over-inflation

I-SERIES PLUGS

PART NUMBER	NOMINAL SIZE	USAGE RANGE	MAXIMUM BACK PRESSURE	INFLATION PRESSURE	PRODUCT WEIGHT	DEFLATED LENGTH	DEFLATED DIAMETER	INFLATION THREAD	CHAIN / EYE BOLTS
310338	15" – 32" (380 – 800 mm)	15" – 32" (380 – 800 mm)	**	25 (1,72 bar)	70 lbs (31.8 kg)	63" (1600 mm)	14.3" (363 mm)	1/4" & 1/2"	3/4" (2)
610338	15" – 32" (380 – 800 mm) with sleeve	15" – 32" (380 – 800 mm)	**	25 (1,72 bar)	98.5 lbs (44.7 kg)	63" (1600 mm)	14.3" (363 mm)	1/4" & 1/2"	3/4" (2)
310428	20" – 40" (500 – 1000 mm)	20" – 40" (508 – 1000 mm)	**	25 psi (1,72 bar)	115 lbs (52.2 kg)	70" (1778 mm)	19.5" (495.3 mm)	1/4" & 1/2"	3/4" (2)
610428	20" – 40" (500 – 1000 mm) with sleeve	20" – 40" (508 – 1000 mm)	**	25 psi (1,72 bar)	128 lbs (58 kg)	70" (1778 mm)	19.5" (495.3 mm)	1/4" & 1/2"	3/4" (2)
310448	24" – 48" (600 – 1200 mm)	20.5" – 50" (521 – 1270 mm)	**	25 psi (1,72 bar)	125 lbs (57 kg)	84.5" (2146 mm)	19.1" (485 mm)	1/4" & 1/2"	3/4" (2)
610448	24" – 48" (600 – 1200 mm) with sleeve	20.5" – 50" (521 – 1270 mm)	**	25 psi (1,72 bar)	188 lbs (85.3 kg)	84.5" (2146 mm)	19.1" (485 mm)	1/4" & 1/2"	3/4" (2)
310600	24" – 60" (600 – 1500 mm)	20.5" – 60.5" (520 – 1537 mm)	**	22 psi (1,5 bar)	140 lbs (63.5 kg)	88" (2235 mm)	19.1" (485 mm)	1/4" & 1/2"	3/4" (2)
610608	24" – 60" (600 – 1500 mm) with sleeve	20.5" – 60.5" (520 – 1537 mm)	**	22 psi (1,5 bar)	253 lbs (115 kg)	88" (2235 mm)	19.1" (485 mm)	1/4" & 1/2"	3/4" (2)
310728	48" – 72" (1200 – 1800 mm)	44" – 72.25" (1118 – 1835 mm)	**	12 psi (0,83 bar)	290 lbs (132 kg)	100" (2540 mm)	43" (1092 mm)	1/2" (2)	3/4" (3)
610728	48" – 72" (1200 – 1800 mm) with sleeve	44" – 72.25" (1118 – 1835 mm)	**	12 psi (0,83 bar)	455 lbs (206 kg)	100" (2540 mm)	43" (1092 mm)	1/2" (2)	3/4" (3)
310968	54" – 96" (1400 – 2400 mm)	54" – 96.25" (1400 – 2450 mm)	**	11 psi (0,75 bar)	500 lbs (227 kg)	128" (3200 mm)	43" (1092.2 mm)	1/2" (2)	3/4" (3)
610968	54" – 96" (1400 – 2400 mm) with sleeve	54" – 96.25" (1400 – 2450 mm)	**	11 psi (0,75 bar)	729 lbs (331 kg)	128" (3200 mm)	43" (1092.2 mm)	1/2" (2)	3/4" (3)

** Consult back pressure table below.

BACK PRESSURE DATA: I-SERIES PLUGS

PLUG SIZE	PIPE DIAMETER																		
	4"	6"	8"	12"	15"	18"	20"	21"	24"	32"	36"	42"	48"	54"	60"	66"	72"	84"	96"
15"-32"	-	-	-	-	18.6 psi	17.6 psi	17.2 psi	16.6 psi	15.4 psi	12.2 psi	-	-	-	-	-	-	-	-	-
20"-40"	-	-	-	-	-	-	-	13.6 psi	12.5 psi	11.2 psi	10.2 psi	8.7 psi	-	-	-	-	-	-	-
24"-48"	-	-	-	-	-	-	-	-	15.2 psi	13.9 psi	12.8 psi	11.4 psi	10.1 psi	-	-	-	-	-	-
24"-60"	-	-	-	-	-	-	-	-	15.6 psi	15.2 psi	14.8 psi	14.0 psi	12.6 psi	9.6 psi	6.0 psi	-	-	-	-
40"-60"	-	-	-	-	-	-	-	-	-	-	-	15.0 psi	13.0 psi	11.0 psi	8.7 psi	-	-	-	-
48"-72"	-	-	-	-	-	-	-	-	-	-	-	-	7.2 psi	6.8 psi	6.4 psi	6.2 psi	6.0 psi	-	-
54"-96"	-	-	-	-	-	-	-	-	-	-	-	-	-	7.3 psi	7.2 psi	6.9 psi	6.8 psi	6.6 psi	6.4 psi

Consult page 70 for back pressure conversion to feet of head pressure.

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