

# I-SERIES MUNI BALL® PLUGS



The future in pipe plugs is now.

## 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
- Premium performance and aesthetics
- Lightweight, short, and flexible

Cherne's I-Series Muni-Ball 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 plugs feature:

- 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
- Flexible bypass hoses – plugs can be bent to 90 degrees

## Plugs 15-32" and larger:

- Aluminum end plates – minimizes rust/corrosion
- 3/4" eyebolts on plugs 15–32" and larger – better holding strength
- Patented field replaceable rupture discs or pressure relief valves on plugs 15–32" and larger – protects plug from over-inflation

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



## I-SERIES MUNI BALL® PLUGS



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

PART NUMBER	NOMINAL SIZE	BYPASS DIAMETER (NPT)	USAGE RANGE	MAXIMUM BACK PRESSURE	INFLATION PRESSURE	PRODUCT WEIGHT	DEFLATED LENGTH
311088	4"-8" (100-200 mm)	1/2" M	3.95"-8.25" (92-210 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	4.7 lbs	23"
311128	6"-12" (150-300 mm)	1" M	5.5"-12.25" (140-310 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	9.5 lbs	25"
212128	8"-12" (200-300 mm)	2" M	7"-12.25" (178-311 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	12.3 lbs	18.5"
312168	8"-16" (200-400 mm)	2" M	7.5"-16.25" (186-413 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	15.9 lbs	28"
214188	12"-18" (300-450 mm)	3" M	10.75"-18.25" (273-464 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	28.1 lbs	25"
613188	12"-18" (300-450 mm) with sleeve	3" M	10.75"-18.25" (273-464 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	43 lbs	25"
312248	12"-24" (300-600 mm)	3" M	11"-24.25" (279-616 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	35.2 lbs	37"
654248	12"-24" (300-600 mm) with sleeve	3" M	11"-24.25" (279-616 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	50.2 lbs	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.