



# THE FUTURE IN PIPE PLUGS IS NOW

## **NEW** I-SERIES TEST-BALL®, I-SERIES MUNI-BALL®, AIR-LOC® & REMO® 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
- Premium performance and safety
- Lightweight, short and flexible



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## I-SERIES TEST-BALL® PLUG

Part Number	Nominal Size	Usage Range	Max Back Pressure	Inflation Pressure	Weight (lbs)	Length (in)
310088	4" – 8"	3.95" – 8.25"	15 psi (1 bar)	45 psi (3 bar)	3.8	23
310128	6" – 12"	5.5" – 12.25"	15 psi (1 bar)	45 psi (3 bar)	7.1	25
210128	8" – 12"	7.5" – 12.25"	15 psi (1 bar)	45 psi (3 bar)	11	18.5
310168	8" – 16"	7.5" – 16.25"	15 psi (1 bar)	45 psi (3 bar)	11.4	28
210188	12" – 18"	10.75" – 18.25"	15 psi (1 bar)	45 psi (3 bar)	20.7	25
610188	12" – 18" with sleeve	10.75" – 18.25"	15 psi (1 bar)	45 psi (3 bar)	38	25
310248	12" – 24"	11" – 24.25"	15 psi (1 bar)	45 psi (3 bar)	26.9	37
694248	12" – 24" with sleeve	11" – 24.25"	15 psi (1 bar)	45 psi (3 bar)	42.4	37
310338	15" – 32"	15" – 32"	12.2 psi (0.8 bar)	25 psi (1.7 bar)	70	63
610338	15" – 32" with sleeve	15" – 32"	12.2 psi (0.8 bar)	25 psi (1.7 bar)	98	63
310428	20" – 40"	20" – 40"	10 psi (0.7 bar)	25 psi (1.7 bar)	115	70
610428	20" – 40" with sleeve	20" – 40"	10 psi (0.7 bar)	25 psi (1.7 bar)	153	70
310448	24" – 48"	20.5" – 50"	10 psi (0.7 bar)	25 psi (1.7 bar)	125	84.5
610448	24" – 48" with sleeve	20.5" – 50"	10 psi (0.7 bar)	25 psi (1.7 bar)	173	84.5
310618	24"-60"	20.5"-60.5"	6 psi (.41 bar)	25 psi (1.7 bar)	137	101
610618	24"-60" with sleeve	20.5"-60.5"	6 psi (.41 bar)	25 psi (1.7 bar)	202	101



## I-SERIES MUNI-BALL® PLUG

Part Number	Nominal Size	Bypass Diameter (NPT)	Usage Range	Max Back Pressure	Inflation Pressure	Weight (lbs)	Length (in)
311088	4" – 8"	1/2" M	3.95" – 8.25"	15 psi (1 bar)	45 psi (3 bar)	4.7	23
311128	6" – 12"	1" M	5.5" – 12.25"	15 psi (1 bar)	45 psi (3 bar)	9.5	25
212128	8" – 12"	2" M	7" – 12.25"	15 psi (1 bar)	45 psi (3 bar)	12.3	18.5
312168	8" – 16"	2" M	7.5" – 16.25"	15 psi (1 bar)	45 psi (3 bar)	15.9	28
214188	12" – 18"	3" M	10.75" – 18.25"	15 psi (1 bar)	45 psi (3 bar)	28.1	25
613188	12" – 18" with sleeve	3" M	10.75" – 18.25"	15 psi (1 bar)	45 psi (3 bar)	43	25
312248	12" – 24"	3" M	11" – 24.25"	15 psi (1 bar)	45 psi (3 bar)	35.2	37
654248	12" – 24" with sleeve	3" M	11" – 24.25"	15 psi (1 bar)	45 psi (3 bar)	50.2	37
312338	15" – 32"	2" M	15" – 32"	12.2 psi (0.8 bar)	25 psi (1.7 bar)	80	63
612338	15" – 32" with sleeve	2" M	15" – 32"	12.2 psi (0.8 bar)	25 psi (1.7 bar)	108	63
314338	15" – 32"	4" M	15" – 32"	12.2 psi (0.8 bar)	25 psi (1.7 bar)	80	63
614338	15" – 32" with sleeve	4" M	15" – 32"	12.2 psi (0.8 bar)	25 psi (1.7 bar)	108	63
314428	20" – 40"	4" M	20" – 40"	10 psi (0.7 bar)	25 psi (1.7 bar)	120	70
614428	20" – 40" with sleeve	4" M	20" – 40"	10 psi (0.7 bar)	25 psi (1.7 bar)	158	70
316428	20" – 40"	6" M	20" – 40"	10 psi (0.7 bar)	25 psi (1.7 bar)	128	70
616428	20" – 40" with sleeve	6" M	20" – 40"	10 psi (0.7 bar)	25 psi (1.7 bar)	166	70
314448	24" – 48"	4" M	20.5" – 50"	10 psi (0.7 bar)	25 psi (1.7 bar)	125	84.5
614448	24" – 48" with sleeve	4" M	20.5" – 50"	10 psi (0.7 bar)	25 psi (1.7 bar)	178	84.5
316448	24" – 48"	6" M	20.5" – 50"	10 psi (0.7 bar)	25 psi (1.7 bar)	135	84.5
616448	24" – 48" with sleeve	6" M	20.5" – 50"	10 psi (0.7 bar)	25 psi (1.7 bar)	173	84.5
314618	24"-60"	4" M	20.5"-60.5"	6 psi (.41 bar)	25 psi (1.7 bar)	154	101
614618	24"-60" with sleeve	4" M	20.5"-60.5"	6 psi (.41 bar)	25 psi (1.7 bar)	219	101
316618	24"-60"	6" M	20.5"-60.5"	6 psi (.41 bar)	25 psi (1.7 bar)	189	101
616618	24"-60" with sleeve	6" M	20.5"-60.5"	6 psi (.41 bar)	25 psi (1.7 bar)	254	101



## REMO® PLUG

Part Number	Nominal Size	Usage Range	Max Back Pressure	Inflation Pressure	Weight (lbs)	Length (in)
319128	6" – 12"	5.5" – 12.25"	15 psi (1 bar)	45 psi (3 bar)	8.5	25
219128	8" – 12"	7" – 12.25"	15 psi (1 bar)	45 psi (3 bar)	11	18.5
219188	12" – 18"	10.75" – 18.25"	15 psi (1 bar)	45 psi (3 bar)	25	25



# AIR-LOC® PLUG

Part Number	Nominal Size	Usage Range	Max Back Pressure	Inflation Pressure	Weight (lbs)	Length (in)
317128	6" – 12"	5.5" – 12.25"	15 psi (1 bar)	45 psi (3 bar)	8	25
217128	8" – 12"	7" – 12.25"	15 psi (1 bar)	45 psi (3 bar)	10.4	18.5
217168	8" – 16"	7.5" – 16.25"	15 psi (1 bar)	45 psi (3 bar)	15	28
217188	12" – 18"	10.75" – 18.25"	15 psi (1 bar)	45 psi (3 bar)	23	25
617188	12" – 18" with sleeve	10.75" – 18.25"	15 psi (1 bar)	45 psi (3 bar)	38	25
217288	12" – 24"	11" – 24.25"	15 psi (1 bar)	45 psi (3 bar)	31	37
617248	12" – 24" with sleeve	11" – 24.25"	15 psi (1 bar)	45 psi (3 bar)	43	37
317338	15" – 32"	15" – 32"	12.2 psi (0.8 bar)	25 psi (1.7 bar)	75	63
617338	15" – 32" with sleeve	15" – 32"	12.2 psi (0.8 bar)	25 psi (1.7 bar)	103	63
317428	20" – 40"	20" – 40"	10 psi (0.7 bar)	25 psi (1.7 bar)	120	70
617428	20" – 40" with sleeve	20" – 40"	10 psi (0.7 bar)	25 psi (1.7 bar)	158	70
317448	24" – 48"	20.5" – 50"	10 psi (0.7 bar)	25 psi (1.7 bar)	130	84
617448	24" – 48" with sleeve	20.5" – 50"	10 psi (0.7 bar)	25 psi (1.7 bar)	183	84
317618	24"-60"	20.5"-60.5"	6 psi (.41 bar)	25 psi (1.7 bar)	137	101
617618	24"-60" with sleeve	20.5"-60.5"	6 psi (.41 bar)	25 psi (1.7 bar)	157	101



## 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

## PROTECTIVE SLEEVES

Part Number	Description
300968	12" – 18" Protective Sleeve
300978	12" – 24" Protective Sleeve
300338	15" – 32" Protective Sleeve
300428	20" – 40" Protective Sleeve
300448	24" – 48" Protective Sleeve
301059	24" – 60" Protective Sleeve

## BACK PRESSURE DATA

Pipe Diameter	Plug Size												
	4" – 8"	6" – 12"	8" – 12"	8" – 16"	12" – 18"	12" – 24"	15" – 32"	20" – 40"	24" – 48"	24" – 60"	40" – 60"	48" – 72"	54" – 96"
4"	30.0 psi												
6"	23.0 psi	26.0 psi											
8"	15.0 psi	23.0 psi	26.0 psi	29.0 psi									
10"		22.0 psi	23.0 psi	27.0 psi									
12"		15.0 psi	15.0 psi	25.0 psi	25.0 psi	27.0 psi							
15"				18.0 psi	23.0 psi	25.5 psi	21.3 psi						
16"				15.0 psi	22.0 psi	25.0 psi	20.7 psi						
18"					15.0 psi	22.0 psi	20.0 psi						
20"						20.0 psi	18.6 psi	17.5 psi					
24"						15.0 psi	16.7 psi	15.1 psi	17.2 psi	15.6 psi			
30"							12.7 psi	14.0 psi	15.7 psi	15.2 psi			
32"							12.2 psi	13.4 psi	15.2 psi	14.8 psi			
36"								12.4 psi	14.0 psi	14.8 psi			
40"								10.0 psi	12.9 psi	14.0 psi			
48"									10.0 psi	12.6 psi	13.0 psi	7.2 psi	
54"										9.6 psi	11.0 psi	6.8 psi	7.3 psi
60"										6.0 psi	8.7 psi	6.4 psi	7.2 psi
66"												6.2 psi	6.9 psi
72"												6.0 psi	6.8 psi
84"													6.6 psi
96"													6.4 psi