



ALUMINIUM TEST PLUG

DATA SHEET

Lightweight mechanically expandable solution for temporary pipeline sealing, isolation and low-pressure testing.



**0.2 TO 2.5
BAR**

BACK
PRESSURE



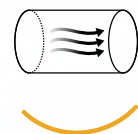
**-20°C TO
+80°C**

OPERATING
TEMPERATURE



**40 MM TO
900 MM**

NOMINAL
SIZE RANGE



**1/2" TO 2"
BYPASS**

MODEL-
DEPENDENT
CONNECTION



**LIGHTWEIGHT
CONSTRUCTION**



WITH BYPASS



CUSTOMIZABLE



REUSABLE



BUILT TO SEAL. TESTED TO TRUST.

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ALUMINIUM TEST PLUG

LIGHTWEIGHT HANDLING. RELIABLE SEALING.

The Plugline Aluminium Test Plug is a mechanically expandable solution designed for temporary pipeline sealing, isolation, low-pressure testing and leak detection.

Rotating the T-handle operates the central threaded spindle, drawing the aluminium plates together. This compresses the elastomeric sealing element and expands it radially against the internal pipe wall. The lightweight aluminium construction reduces handling effort compared with equivalent steel plugs, while the model-dependent bypass connection supports controlled filling, venting, draining and pressure release.

Available in nominal sizes from 40 mm to 900 mm, the range provides rated back-pressure resistance from 0.2 bar to 2.5 bar, depending on the selected model.



FEATURES

LIGHTWEIGHT ALUMINIUM CONSTRUCTION

Reduces handling weight compared with equivalent steel test plugs.

LARGE-DIAMETER RANGE

Nominal sizes from 40 mm to 900 mm.

T-HANDLE EXPANSION SYSTEM

The T-handle operates the central threaded spindle, compressing the elastomeric seal between the aluminium plates for controlled radial expansion.

RATED BACK-PRESSURE RESISTANCE

From 0.2 bar to 2.5 bar, depending on the selected model.

BYPASS CONNECTION OPTIONS

Available with ½-inch, 1-inch or 2-inch bypass connections, depending on model.

SEAL MATERIAL OPTIONS

Available with NR/SBR, CR or EPDM elastomeric sealing elements according to application requirements.

APPLICATIONS

- Water and wastewater pipelines
- Sewer and drainage systems
- Pipeline testing and leak detection
- Temporary pipeline isolation
- Maintenance and repair operations
- Industrial and municipal pipeline projects

TECHNICAL SPECIFICATIONS

Nominal Size Range	40 mm–900 mm
Applicable Pipe I.D. Range	39 mm–930 mm, depending on model
Plug Diameter Range	38 mm–885 mm
Rated Back Pressure	0.2–2.5 bar / 2.9–36.26 psi
Body Material	Aluminium
Expansion Mechanism	Central mechanical screw compression
Bypass Connections	½", 1" or 2", depending on model
Product Length	85–208.75 mm, depending on model
Product Weight	0.17–40.6 kg, depending on model
Customization	Available according to application requirements

PRODUCT RANGE

Product Code	Nominal Size (mm)	Min. Pipe Inner Dia. to be tested (mm/inch)	Max. Pipe Inner Dia. to be tested (mm/inch)	Product Diameter (mm/inch)	SCH STD Pipe Inner Diameter (mm/inch)	Back Pressure (bar/psi)	Bypass Diameter (inch)	Product Length (mm/inch)	Product Weight (kg/lbs)
ATP40	40	39mm/1,54"	53mm/2,09"	38mm/1,5"	40,94mm/1,61"	2,5bar/36,26psi	12,70mm/1/2"	85mm/3,35"	0,17kg/0,37lbs
ATP50	50	51mm/2,01"	66mm/2,6"	50mm/1,97"	52,48mm/2,07"	2,5bar/36,26psi	12,70mm/ 1/2"	85mm/3,35"	0,22kg/0,48lbs
ATP65	65	61mm/2,4"	79mm/3,11"	60mm/2,36"	62,68mm/2,47"	2,5bar/36,26psi	12,70mm/ 1/2"	85mm/3,35"	0,27kg/0,6lbs
ATP80	80	76mm/2,99"	89mm/3,5"	75mm/2,95"	77,92mm/3,07"	1,5bar/21,76psi	12,70mm/ 1/2"	85mm/3,35"	0,4kg/0,88lbs
ATP90	90	85mm/3,35"	103mm/4,06"	84mm/3,31"	90,12mm/3,55"	1bar/14,5psi	12,70mm/ 1/2"	85mm/3,35"	0,5kg/1,1lbs
ATP100	100	99mm/3,9"	112mm/4,41"	98mm/3,86"	102,26mm/4,03"	0,7bar/10,15psi	12,70mm/ 1/2"	85mm/3,35"	0,8kg/1,76lbs
ATP115	115	110mm/4,33"	128mm/5,04"	109mm/4,29"	117mm/4,61"	0,7bar/10,15psi	12,70mm/ 1/2"	85mm/3,35"	1,2kg/2,64lbs
ATP125	125	126mm/4,96"	139mm/5,47"	125mm/4,92"	128,2mm/5,05"	0,7bar/10,15psi	12,70mm/ 1/2"	85mm/3,35"	1,3kg/2,87lbs
ATP140	140	135mm/5,31"	152mm/5,98"	134mm/5,28"	141mm/5,55"	0,7bar/10,15psi	12,70mm/ 1/2"	85mm/3,35"	1,5kg/3,31lbs
ATP150	150	149mm/5,87"	164mm/6,46"	148mm/5,83"	154,08mm/6,07"	0,5bar/7,25psi	12,70mm/ 1/2"	85mm/3,35"	1,5kg/3,31lbs
ATP175	175	171mm/6,73"	196mm/7,72"	170mm/6,69"	178mm/7,01"	0,5bar/7,25psi	25,40mm/ 1"	139mm/5,47"	2,2kg/4,85lbs
ATP200	200	195mm/7,68"	218mm/8,58"	194mm/7,64"	202,64mm/7,98"	0,5bar/7,25psi	25,40mm/ 1"	134,5mm/5,3"	2,6kg/5,73lbs
ATP225	225	219mm/8,62"	245mm/9,65"	218mm/8,58"	227mm/8,94"	0,5bar/7,25psi	25,40mm/ 1"	134,5mm/5,3"	3,2kg/7,05lbs
ATP250	250	246mm/9,69"	290mm/11,42"	244mm/9,61"	254,46mm/10,02"	0,5bar/7,25psi	25,40mm/ 1"	176mm/6,93"	3,6kg/7,93lbs
ATP275	275	272mm/10,71"	305mm/12,01"	270mm/10,63"	279mm/10,98"	0,5bar/7,25psi	25,40mm/ 1"	200,75mm/7,9"	4kg/8,82lbs
ATP300	300	297mm/11,69"	335mm/13,19"	295mm/11,61"	304,84mm/12"	0,5bar/7,25psi	25,40mm/ 1"	208,75mm/8,22"	4,5kg/9,92lbs
ATP325	325	315mm/12,4"	355mm/13,98"	310mm/12,2"	-	0,5bar/7,25psi	25,40mm/ 1"	130mm/5,12"	5kg/11,02lbs
ATP350	350	337mm/13,27"	380mm/14,96"	335mm/13,19"	336,54mm/13,25"	0,5bar/7,25psi	25,40mm/ 1"	130mm/5,12"	5,5kg/12,12lbs
ATP375	375	365mm/14,37"	405mm/15,94"	360mm/14,17"	-	0,3bar/4,35psi	25,40mm/ 1"	130mm/5,12"	6kg/13,22lbs
ATP400	400	387mm/15,24"	430mm/16,93"	385mm/15,16"	387,34mm/15,25"	0,3bar/4,35psi	25,40mm/ 1"	130mm/5,12"	6,6kg/14,55lbs
ATP425	425	415mm/16,34"	455mm/17,91"	410mm/16,14"	-	0,3bar/4,35psi	25,40mm/ 1"	130mm/5,12"	7,5kg/16,53lbs
ATP450	450	438mm/17,24"	480mm/18,9"	435mm/17,13"	437,94mm/17,24"	0,3bar/4,35psi	25,40mm/ 1"	130mm/5,12"	8,2kg/18,07lbs
ATP475	475	465mm/18,31"	505mm/19,88"	460mm/18,11"	-	0,3bar/4,35psi	25,40mm/ 1"	130mm/5,12"	10kg/22,04lbs
ATP500	500	489mm/19,25"	530mm/20,87"	485mm/19,09"	488,94mm/19,25"	0,3bar/4,35psi	50,80mm/ 2"	130mm/5,12"	11,8kg/26,01lbs
ATP525	525	515mm/20,28"	555mm/21,85"	510mm/20,08"	-	0,3bar/4,35psi	50,80mm/ 2"	130mm/5,12"	12,5kg/27,55lbs
ATP550	550	540mm/21,26"	580mm/22,83"	535mm/21,06"	539,94mm/21,26"	0,2bar/2,9psi	50,80mm/ 2"	130mm/5,12"	13,1kg/28,87lbs
ATP575	575	565mm/22,24"	605mm/23,82"	560mm/22,05"	-	0,2bar/2,9psi	50,80mm/ 2"	130mm/5,12"	15kg/33,06lbs
ATP600	600	590mm/23,23"	630mm/24,8"	585mm/23,03"	590,94mm/23,27"	0,2bar/2,9psi	50,80mm/ 2"	130mm/5,12"	16,6kg/36,59lbs
ATP625	625	615mm/24,21"	655mm/25,79"	610mm/24,02"	-	0,2bar/2,9psi	50,80mm/ 2"	130mm/5,12"	19kg/41,88lbs
ATP650	650	640mm/25,2"	680mm/26,77"	635mm/25"	640,94mm/25,23"	0,2bar/2,9psi	50,80mm/ 2"	130mm/5,12"	21kg/46,28lbs
ATP675	675	665mm/26,18"	705mm/27,76"	660mm/25,98"	-	0,2bar/2,9psi	50,80mm/ 2"	130mm/5,12"	25kg/55,1lbs
ATP700	700	690mm/27,17"	730mm/28,74"	685mm/26,97"	691,94mm/27,24"	0,2bar/2,9psi	50,80mm/ 2"	130mm/5,12"	29kg/63,92lbs
ATP725	725	715mm/28,15"	755mm/29,72"	710mm/27,95"	-	0,2bar/2,9psi	50,80mm/ 2"	130mm/5,12"	30,5kg/67,22lbs
ATP750	750	740mm/29,13"	780mm/30,71"	735mm/28,94"	742,94mm/29,25"	0,2bar/2,9psi	50,80mm/ 2"	130mm/5,12"	32kg/70,53lbs
ATP775	775	765mm/30,12"	805mm/31,69"	760mm/29,92"	-	0,2bar/2,9psi	50,80mm/ 2"	130mm/5,12"	33,5kg/73,83lbs
ATP800	800	790mm/31,1"	830mm/32,68"	785mm/30,91"	793,94mm/31,26"	0,2bar/2,9psi	50,80mm/ 2"	130mm/5,12"	35kg/77,14lbs
ATP825	825	815mm/32,09"	855mm/33,66"	810mm/31,89"	-	0,2bar/2,9psi	50,80mm/ 2"	130mm/5,12"	36,5kg/80,45lbs
ATP850	850	840mm/33,07"	880mm/34,65"	835mm/32,87"	844,94mm/33,27"	0,2bar/2,9psi	50,80mm/ 2"	130mm/5,12"	38kg/83,75lbs
ATP875	875	865mm/34,06"	905mm/35,63"	860mm/33,86"	-	0,2bar/2,9psi	50,80mm/ 2"	130mm/5,12"	39,5kg/87,06lbs
ATP900	900	890mm/35,04"	930mm/36,61"	885mm/34,84"	894,94mm/35,23"	0,2bar/2,9psi	50,80mm/ 2"	130mm/5,12"	40,6kg/89,48lbs

*Other sizes and custom pressure ratings available upon request.