



TOTTIGHT ALUMINIUM TEST PLUG

DATA SHEET

Lightweight, mechanically expandable sealing and low-pressure testing solution for large-diameter pipelines.



**0.1 TO 0.5
BAR**

BACK
PRESSURE



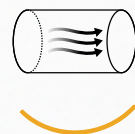
**-20°C TO
+80°C**

OPERATING
TEMPERATURE



**325 MM TO
2000 MM**

NOMINAL
SIZE RANGE



2" BYPASS

STANDARD
CONNECTION



**LIGHTWEIGHT
CONSTRUCTION**



WITH BYPASS



CUSTOMIZABLE



**REDUCED-
SPARKING BODY**



BUILT TO SEAL. TESTED TO TRUST.

WWW.PLUGLINE.NET

TOTTIGHT ALUMINIUM TEST PLUG

LIGHTWEIGHT CONSTRUCTION. LARGE-DIAMETER SEALING.

The Plugline Tottight Aluminium Test Plug is a mechanically expandable solution designed for temporary sealing, pipeline isolation and low-pressure testing of large-diameter pipelines.

Tightening the vertical compression bolts draws the aluminium plates together, compressing the elastomeric sealing element and expanding it radially against the internal pipe wall. The lightweight aluminium construction reduces handling weight compared with the equivalent steel model, while the standard 2-inch bypass supports controlled filling, venting, draining and pressure release.

Available in nominal sizes from 325 mm to 2000 mm, the product provides rated back-pressure resistance from 0.1 bar to 0.5 bar, depending on the selected model.



FEATURES

BACK-PRESSURE RESISTANCE

From 0.1 bar to 0.5 bar, depending on the selected model.

LARGE-DIAMETER RANGE

Nominal sizes from 325 mm to 2000 mm.

MULTI-BOLT COMPRESSION SYSTEM

Vertical compression bolts provide controlled and distributed compression of the elastomeric sealing element.

STANDARD 2" BYPASS

Supports controlled filling, venting, draining and pressure release.

REDUCED-SPARKING ALUMINIUM BODY

The non-ferrous aluminium construction reduces conventional steel-on-steel sparking potential and is suitable for selected oil and gas pipeline applications, subject to an application-specific safety assessment.

SEALING TODAY.
PROTECTING TOMOTTOW

APPLICATIONS

- Large-diameter water and wastewater pipelines
- Sewer and stormwater systems
- Pipeline testing and leak detection
- Temporary pipeline isolation
- Selected oil and gas pipeline applications
- Industrial and municipal pipeline projects

TECHNICAL SPECIFICATIONS

Nominal Size Range	325 mm–2000 mm
Applicable Pipe I.D. Range	315 mm–2030 mm, depending on model
Plug Diameter Range	310 mm–1985 mm
Rated Back Pressure	0.1–0.5 bar / 1.45–7.25 psi
Body Material	Aluminium
Compression Mechanism	Vertical multi-bolt flange compression system
Sealing Method	Radial expansion through axial seal compression
Bypass Connection	2" standard
Product Length	126.4–215 mm, depending on model
Product Weight	6.2–145 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)
TATP325	325	315mm/12.4"	355mm/13.98"	310mm/12.2"	-	0,5bar/7,25psi	50,80mm/ 2"	126,4mm/4,98"	6,2kg/13,66lbs
TATP350	350	337mm/13,27"	380mm/14,96"	335mm/13,19"	336,54mm/13,25"	0,5bar/7,25psi	50,80mm/ 2"	126,4mm/4,98"	6,5kg/14,33lbs
TATP375	375	365mm/14,37"	405mm/15,94"	360mm/14,17"	-	0,5bar/7,25psi	50,80mm/ 2"	126,4mm/4,98"	6,6kg/14,55lbs
TATP400	400	387mm/15,24"	430mm/16,93"	385mm/15,16"	387,34mm/15,25"	0,5bar/7,25psi	50,80mm/ 2"	126,4mm/4,98"	6,7kg/14,77lbs
TATP425	425	415mm/16,34"	455mm/17,91"	410mm/16,14"	-	0,5bar/7,25psi	50,80mm/ 2"	126,4mm/4,98"	7,7kg/16,97lbs
TATP450	450	438mm/17,24"	480mm/18,9"	435mm/17,13"	437,94mm/17,24"	0,3bar/4,35psi	50,80mm/ 2"	126,4mm/4,98"	8,5kg/18,73lbs
TATP475	475	465mm/18,31"	505mm/19,88"	460mm/18,11"	-	0,3bar/4,35psi	50,80mm/ 2"	126,4mm/4,98"	9kg/19,84lbs
TATP500	500	489mm/19,25"	530mm/20,87"	485mm/19,09"	488,94mm/19,25"	0,3bar/4,35psi	50,80mm/ 2"	126,4mm/4,98"	9,5kg/20,94lbs
TATP525	525	515mm/20,28"	555mm/21,85"	510mm/20,08"	-	0,3bar/4,35psi	50,80mm/ 2"	126,4mm/4,98"	10kg/22,04lbs
TATP550	550	540mm/21,26"	580mm/22,83"	535mm/21,06"	539,94mm/21,26"	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	10,5kg/23,14lbs
TATP575	575	565mm/22,24"	605mm/23,82"	560mm/22,05"	-	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	12kg/26,45lbs
TATP600	600	590mm/23,23"	630mm/24,8"	585mm/23,03"	590,94mm/23,27"	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	13,5kg/29,75lbs
TATP625	625	615mm/24,21"	655mm/25,79"	610mm/24,02"	-	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	15kg/33,06lbs
TATP650	650	640mm/25,2"	680mm/26,77"	635mm/25"	640,94mm/25,23"	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	16,5kg/36,37lbs
TATP675	675	665mm/26,18"	705mm/27,76"	660mm/25,98"	-	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	18kg/39,67lbs
TATP700	700	690mm/27,17"	730mm/28,74"	685mm/26,97"	691,94mm/27,24"	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	19,5kg/42,98lbs
TATP725	725	715mm/28,15"	755mm/29,72"	710mm/27,95"	-	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	21kg/46,28lbs
TATP750	750	740mm/29,13"	780mm/30,71"	735mm/28,94"	742,94mm/29,25"	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	22,5kg/49,59lbs
TATP775	775	765mm/30,12"	805mm/31,69"	760mm/29,92"	-	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	24kg/52,9lbs
TATP800	800	790mm/31,1"	830mm/32,68"	785mm/30,91"	793,94mm/31,26"	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	25,5kg/56,2lbs
TATP825	825	815mm/32,09"	855mm/33,66"	810mm/31,89"	-	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	27,2kg/59,95lbs
TATP850	850	840mm/33,07"	880mm/34,65"	835mm/32,87"	844,94mm/33,27"	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	28,7kg/63,25lbs
TATP875	875	865mm/34,06"	905mm/35,63"	860mm/33,86"	-	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	30,2kg/66,56lbs
TATP900	900	890mm/35,04"	930mm/36,61"	885mm/34,84"	894,94mm/35,23"	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	31,8kg/70,09lbs
TATP925	925	915mm/36,02"	955mm/37,6"	910mm/35,83"	-	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	33,2kg/73,17lbs
TATP950	950	940mm/37,01"	980mm/38,58"	935mm/36,81"	945,94mm/37,24"	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	34,8kg/76,7lbs
TATP975	975	965mm/37,99"	1005mm/39,57"	960mm/37,8"	-	0,2bar/2,9psi	50,80mm/ 2"	126,4mm/4,98"	36,3kg/80,01lbs
TATP1000	1000	990mm/38,98"	1030mm/40,55"	985mm/38,78"	996,94mm/39,25"	0,2bar/2,9psi	50,80mm/ 2"	160mm/6,3"	37,8kg/83,31lbs
TATP1025	1025	1015mm/39,96"	1055mm/41,54"	1010mm/39,76"	-	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	39,4kg/86,84lbs
TATP1050	1050	1040mm/40,94"	1080mm/42,52"	1035mm/40,75"	1047,94mm/41,26"	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	40,9kg/90,14lbs
TATP1075	1075	1065mm/41,93"	1105mm/43,5"	1060mm/41,73"	-	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	42,4kg/93,45lbs
TATP1100	1100	1090mm/42,91"	1130mm/44,49"	1085mm/42,72"	1098,94mm/43,27"	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	43,9kg/96,76lbs
TATP1125	1125	1115mm/43,9"	1155mm/45,47"	1110mm/43,7"	-	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	45,4kg/100,06lbs
TATP1150	1150	1140mm/44,88"	1180mm/46,46"	1135mm/44,69"	1148,94mm/45,23"	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	47kg/103,59lbs
TATP1175	1175	1165mm/45,87"	1205mm/47,44"	1160mm/45,67"	-	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	48,5kg/106,89lbs
TATP1200	1200	1190mm/46,85"	1230mm/48,43"	1185mm/46,65"	1199,94mm/47,24"	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	50kg/110,2lbs
TATP1225	1225	1215mm/47,83"	1255mm/49,41"	1210mm/47,64"	-	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	52,8kg/116,37lbs
TATP1250	1250	1240mm/48,82"	1280mm/50,39"	1235mm/48,62"	-	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	55,5kg/122,32lbs
TATP1275	1275	1265mm/49,8"	1305mm/51,38"	1260mm/49,61"	-	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	58,3kg/128,49lbs
TATP1300	1300	1290mm/50,79"	1330mm/52,36"	1285mm/50,59"	-	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	61kg/134,44lbs
TATP1325	1325	1315mm/51,77"	1355mm/53,35"	1310mm/51,57"	-	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	63,77kg/140,55lbs
TATP1350	1350	1340mm/52,76"	1380mm/54,33"	1335mm/52,56"	-	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	66,52kg/146,61lbs
TATP1375	1375	1365mm/53,74"	1405mm/55,31"	1360mm/53,54"	-	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	69,27kg/152,67lbs
TATP1400	1400	1390mm/54,72"	1430mm/56,3"	1385mm/54,53"	-	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	72,02kg/158,73lbs
TATP1425	1425	1415mm/55,71"	1455mm/57,28"	1410mm/55,51"	-	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	74,77kg/164,79lbs
TATP1450	1450	1440mm/56,69"	1480mm/58,27"	1435mm/56,5"	-	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	77,52kg/170,85lbs
TATP1475	1475	1465mm/57,68"	1505mm/59,25"	1460mm/57,48"	-	0,1bar/1,45psi	50,80mm/ 2"	160mm/6,3"	80,27kg/176,92lbs
TATP1500	1500	1490mm/58,66"	1530mm/60,24"	1485mm/58,46"	-	0,1bar/1,45psi	50,80mm/ 2"	213mm/8,39"	83kg/182,93lbs
TATP1525	1525	1515mm/59,65"	1555mm/61,22"	1510mm/59,45"	-	0,1bar/1,45psi	50,80mm/ 2"	213mm/8,39"	86,1kg/189,76lbs
TATP1550	1550	1540mm/60,63"	1580mm/62,2"	1535mm/60,43"	-	0,1bar/1,45psi	50,80mm/ 2"	213mm/8,39"	89,2kg/196,6lbs
TATP1575	1575	1565mm/61,61"	1605mm/63,19"	1560mm/61,42"	-	0,1bar/1,45psi	50,80mm/ 2"	213mm/8,39"	92,3kg/203,43lbs
TATP1600	1600	1590mm/62,6"	1630mm/64,17"	1585mm/62,4"	-	0,1bar/1,45psi	50,80mm/ 2"	213mm/8,39"	95,4kg/210,26lbs
TATP1625	1625	1615mm/63,58"	1655mm/65,16"	1610mm/63,39"	-	0,1bar/1,45psi	50,80mm/ 2"	213mm/8,39"	98,5kg/217,09lbs
TATP1650	1650	1640mm/64,57"	1680mm/66,14"	1635mm/64,37"	-	0,1bar/1,45psi	50,80mm/ 2"	213mm/8,39"	101,6kg/223,93lbs
TATP1675	1675	1665mm/65,55"	1705mm/67,13"	1660mm/65,35"	-	0,1bar/1,45psi	50,80mm/ 2"	213mm/8,39"	104,7kg/230,76lbs
TATP1700	1700	1690mm/66,54"	1730mm/68,11"	1685mm/66,34"	-	0,1bar/1,45psi	50,80mm/ 2"	213mm/8,39"	107,8kg/237,59lbs
TATP1725	1725	1715mm/67,52"	1755mm/69,09"	1710mm/67,32"	-	0,1bar/1,45psi	50,80mm/ 2"	213mm/8,39"	110,9kg/244,42lbs
TATP1750	1750	1740mm/68,5"	1780mm/70,08"	1735mm/68,31"	-	0,1bar/1,45psi	50,80mm/ 2"	213mm/8,39"	114kg/251,26lbs
TATP1775	1775	1765mm/69,49"	1805mm/71,06"	1760mm/69,29"	-	0,1bar/1,45psi	50,80mm/ 2"	213mm/8,39"	117,1kg/258,09lbs
TATP1800	1800	1790mm/70,47"	1830mm/72,05"	1785mm/70,28"	-	0,1bar/1,45psi	50,80mm/ 2"	215mm/8,46"	120,2kg/264,92lbs
TATP1825	1825	1815mm/71,46"	1855mm/73,03"	1810mm/71,26"	-	0,1bar/1,45psi	50,80mm/ 2"	215mm/8,46"	123,3kg/271,75lbs
TATP1850	1850	1840mm/72,44"	1880mm/74,02"	1835mm/72,24"	-	0,1bar/1,45psi	50,80mm/ 2"	215mm/8,46"	126,4kg/278,59lbs
TATP1875	1875	1865mm/73,43"	1905mm/75"	1860mm/73,23"	-	0,1bar/1,45psi	50,80mm/ 2"	215mm/8,46"	129,5kg/285,42lbs
TATP1900	1900	1890mm/74,41"	1930mm/75,98"	1885mm/74,21"	-	0,1bar/1,45psi	50,80mm/ 2"	215mm/8,46"	132,6kg/292,25lbs
TATP1925	1925	1915mm/75,39"	1955mm/76,97"	1910mm/75,2"	-	0,1bar/1,45psi	50,80mm/ 2"	215mm/8,46"	135,7kg/299,08lbs
TATP1950	1950	1940mm/76,38"	1980mm/77,95"	1935mm/76,18"	-	0,1bar/1,45psi	50,80mm/ 2"	215mm/8,46"	138,8kg/305,92lbs
TATP1975	1975	1965mm/77,36"	2005mm/78,94"	1960mm/77,17"	-	0,1bar/1,45psi	50,80mm/ 2"	215mm/8,46"	141,9kg/312,75lbs
TATP2000	2000	1990mm/78,35"	2030mm/79,92"	1985mm/78,15"	-	0,1bar/1,45psi	50,80mm/ 2"	215mm/8,46"	145kg/319,58lbs

*Other sizes and custom pressure ratings available upon request.