



TENSIONER TOTIGHT STEEL TEST PLUG

DATA SHEET

Mechanically expandable sealing and low-pressure testing solution with multi-point stabilization for large-diameter pipelines.



**0.2 TO 1.0
BAR**

BACK
PRESSURE



**-20°C TO
+80°C**

OPERATING
TEMPERATURE



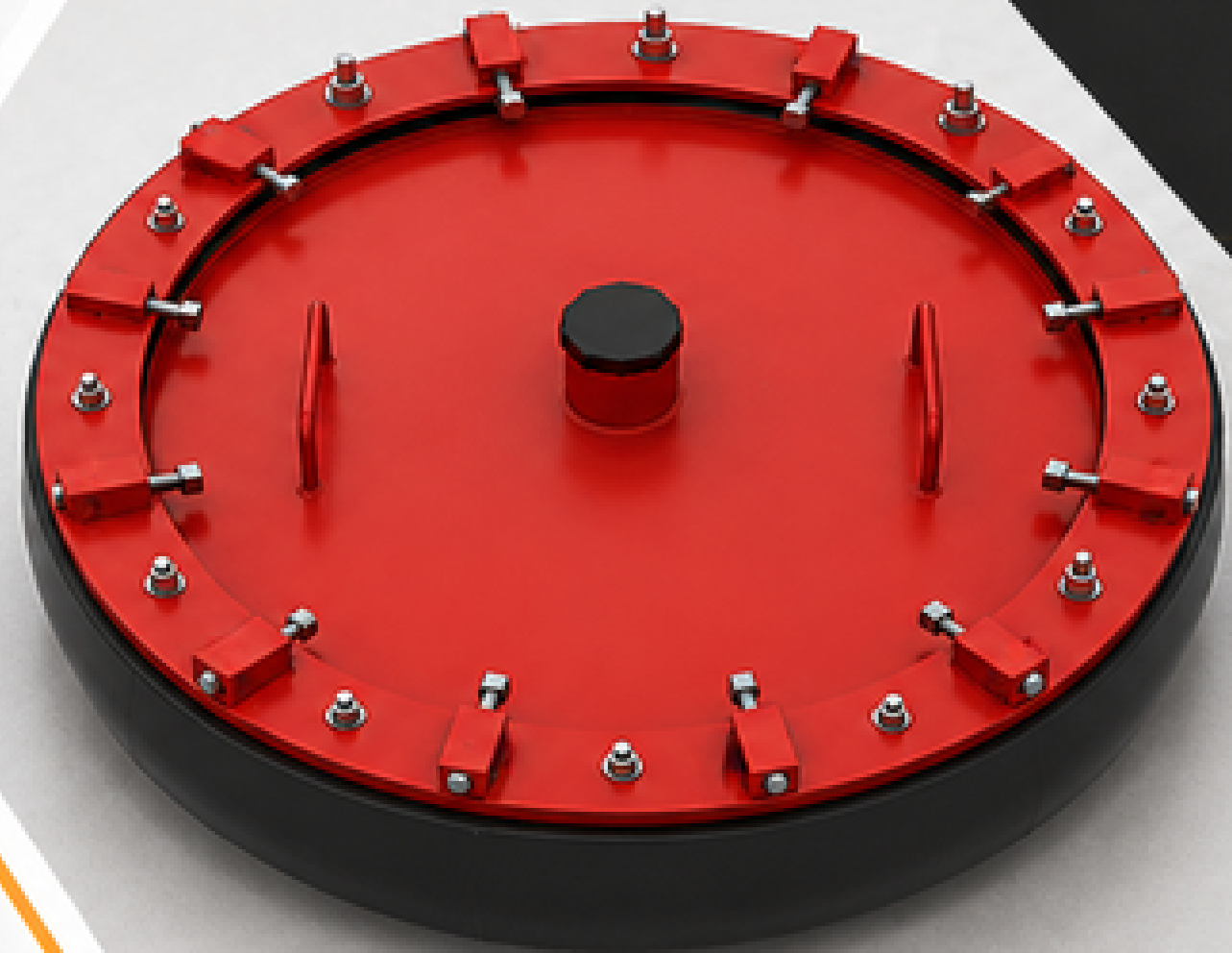
**325 MM TO
2000 MM**

NOMINAL
SIZE RANGE



2" BYPASS

STANDARD
CONNECTION



MULTI-BOLT SEALING



WITH 2" BYPASS



CUSTOMIZABLE



REUSABLE

BUILT TO SEAL. TESTED TO TRUST.

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TENSIONER TOTLIGHT STEEL TEST PLUG

UNIFORM COMPRESSION. ENHANCED STABILITY.

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

Vertical compression bolts draw the steel plates together, compressing the elastomeric sealing element and expanding it radially against the internal pipe wall. Adjustable perimeter bolts help centre and stabilize the plug, improving grip and reducing movement during operation. A standard 2-inch bypass connection allows controlled filling, venting, draining and pressure release.

The product is available in nominal sizes from 325 mm to 2000 mm, with rated back-pressure resistance from 0.2 bar to 1.0 bar, depending on the selected model.



FEATURES

BACK-PRESSURE RESISTANCE

From 0.2 bar to 1.0 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.

PERIPHERAL STABILIZING SYSTEM

Adjustable horizontal bolts assist centring, increase grip and reduce plug movement inside the pipe.

STANDARD 2" BYPASS

Supports controlled filling, venting, draining and pressure release.

SEAL MATERIAL OPTIONS

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

SEALING TODAY.
PROTECTING TOMOTTOW

APPLICATIONS

- Large-diameter water and wastewater pipelines
- Sewer and stormwater systems
- Pipeline testing and leak detection
- Temporary pipeline isolation
- Maintenance and repair operations
- 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
Rated Back Pressure	0.2–1.0 bar / 2.9–14.5 psi
Body Material	Steel
Compression Mechanism	Vertical multi-bolt flange compression system
Stabilizing Mechanism	Adjustable horizontal perimeter bolts
Bypass Connection	2" standard
Product Length	130–215 mm, depending on model
Product Weight	9–362 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)
TTSTP325	325	315mm/12.4"	355mm/13.98"	310mm/12.2"	-	1bar/14.5psi	50,80mm/ 2"	130mm/5,12"	9kg/20,55lbs
TTSTP350	350	337mm/13,27"	380mm/14,96"	335mm/13,19"	336,54mm/13,25"	1bar/14,5psi	50,80mm/ 2"	130mm/5,12"	10kg/22,53lbs
TTSTP375	375	365mm/14,37"	405mm/15,94"	360mm/14,17"	-	1bar/14,5psi	50,80mm/ 2"	130mm/5,12"	11kg/24,91lbs
TTSTP400	400	387mm/15,24"	430mm/16,93"	385mm/15,16"	387,34mm/15,25"	1bar/14,5psi	50,80mm/ 2"	130mm/5,12"	12kg/27,39lbs
TTSTP425	425	415mm/16,34"	455mm/17,91"	410mm/16,14"	-	1bar/14,5psi	50,80mm/ 2"	130mm/5,12"	14kg/30lbs
TTSTP450	450	439mm/17,28"	480mm/18,9"	435mm/17,13"	437,94mm/17,24"	0,6bar/8,7psi	50,80mm/ 2"	130mm/5,12"	15kg/32,71lbs
TTSTP475	475	465mm/18,31"	505mm/19,88"	460mm/18,11"	-	0,6bar/8,7psi	50,80mm/ 2"	130mm/5,12"	16kg/35,54lbs
TTSTP500	500	489mm/19,25"	530mm/20,87"	485mm/19,09"	488,94mm/19,25"	0,6bar/8,7psi	50,80mm/ 2"	130mm/5,12"	17kg/38,47lbs
TTSTP525	525	515mm/20,28"	555mm/21,85"	510mm/20,08"	-	0,6bar/8,7psi	50,80mm/ 2"	130mm/5,12"	19kg/41,76lbs
TTSTP550	550	540mm/21,26"	580mm/22,83"	535mm/21,06"	539,94mm/21,26"	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	20kg/44,92lbs
TTSTP575	575	565mm/22,24"	605mm/23,82"	560mm/22,05"	-	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	22kg/48,21lbs
TTSTP600	600	590mm/23,23"	630mm/24,8"	585mm/23,03"	590,94mm/23,27"	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	23kg/51,65lbs
TTSTP625	625	615mm/24,21"	655mm/25,79"	610mm/24,02"	-	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	25kg/55,11lbs
TTSTP650	650	640mm/25,2"	680mm/26,77"	635mm/25"	640,94mm/25,23"	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	27kg/58,72lbs
TTSTP675	675	665mm/26,18"	705mm/27,76"	660mm/25,98"	-	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	29kg/62,91lbs
TTSTP700	700	690mm/27,17"	730mm/28,74"	685mm/26,97"	691,94mm/27,24"	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	30kg/66,76lbs
TTSTP725	725	715mm/28,15"	755mm/29,72"	710mm/27,95"	-	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	32kg/70,72lbs
TTSTP750	750	740mm/29,13"	780mm/30,71"	735mm/28,94"	742,94mm/29,25"	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	34kg/74,79lbs
TTSTP775	775	765mm/30,12"	805mm/31,69"	760mm/29,92"	-	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	36kg/78,97lbs
TTSTP800	800	790mm/31,1"	830mm/32,68"	785mm/30,91"	793,94mm/31,26"	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	39kg/85,74lbs
TTSTP825	825	815mm/32,09"	855mm/33,66"	810mm/31,89"	-	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	44kg/95,89lbs
TTSTP850	850	840mm/33,07"	880mm/34,65"	835mm/32,87"	844,94mm/33,27"	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	46kg/100,69lbs
TTSTP875	875	865mm/34,06"	905mm/35,63"	860mm/33,86"	-	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	48kg/105,6lbs
TTSTP900	900	890mm/35,04"	930mm/36,61"	885mm/34,84"	894,94mm/35,23"	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	50kg/110,58lbs
TTSTP925	925	915mm/36,02"	955mm/37,6"	910mm/35,83"	-	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	53kg/115,76lbs
TTSTP950	950	940mm/37,01"	980mm/38,58"	935mm/36,81"	945,94mm/37,24"	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	55kg/121,18lbs
TTSTP975	975	965mm/37,99"	1005mm/39,57"	960mm/37,8"	-	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,12"	57kg/126,37lbs
TTSTP1000	1000	990mm/38,98"	1030mm/40,55"	985mm/38,78"	996,94mm/39,25"	0,4bar/5,8psi	50,80mm/ 2"	130mm/5,91"	79kg/173,91lbs
TTSTP1025	1025	1015mm/39,96"	1055mm/41,54"	1010mm/39,76"	-	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	82kg/181,12lbs
TTSTP1050	1050	1040mm/40,94"	1080mm/42,52"	1035mm/40,75"	1047,94mm/41,26"	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	90kg/197,71lbs
TTSTP1075	1075	1065mm/41,93"	1105mm/43,5"	1060mm/41,73"	-	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	93kg/204,73lbs
TTSTP1100	1100	1090mm/42,91"	1130mm/44,49"	1085mm/42,72"	1098,94mm/43,27"	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	96kg/212,07lbs
TTSTP1125	1125	1115mm/43,9"	1155mm/45,47"	1110mm/43,7"	-	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	100kg/219,95lbs
TTSTP1150	1150	1140mm/44,88"	1180mm/46,46"	1135mm/44,69"	1148,94mm/45,23"	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	104kg/230,04lbs
TTSTP1175	1175	1165mm/45,87"	1205mm/47,44"	1160mm/45,67"	-	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	108kg/237,71lbs
TTSTP1200	1200	1190mm/46,85"	1230mm/48,43"	1185mm/46,65"	1199,94mm/47,24"	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	112kg/246,37lbs
TTSTP1225	1225	1215mm/47,83"	1255mm/49,41"	1210mm/47,64"	-	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	115kg/254,28lbs
TTSTP1250	1250	1240mm/48,82"	1280mm/50,39"	1235mm/48,62"	-	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	119kg/262,18lbs
TTSTP1275	1275	1265mm/49,8"	1305mm/51,38"	1260mm/49,61"	-	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	123kg/271,71lbs
TTSTP1300	1300	1290mm/50,79"	1330mm/52,36"	1285mm/50,59"	-	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	127kg/279,23lbs
TTSTP1325	1325	1315mm/51,77"	1355mm/53,35"	1310mm/51,57"	-	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	131kg/289,58lbs
TTSTP1350	1350	1340mm/52,76"	1380mm/54,33"	1335mm/52,56"	-	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	135kg/297,31lbs
TTSTP1375	1375	1365mm/53,74"	1405mm/55,31"	1360mm/53,54"	-	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	139kg/305,39lbs
TTSTP1400	1400	1390mm/54,72"	1430mm/56,3"	1385mm/54,53"	-	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	147kg/323,41lbs
TTSTP1425	1425	1415mm/55,71"	1455mm/57,28"	1410mm/55,51"	-	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	151kg/332,94lbs
TTSTP1450	1450	1440mm/56,69"	1480mm/58,27"	1435mm/56,5"	-	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	155kg/341,62lbs
TTSTP1475	1475	1465mm/57,68"	1505mm/59,25"	1460mm/57,48"	-	0,2bar/2,9psi	50,80mm/ 2"	150mm/5,91"	159kg/351,21lbs
TTSTP1500	1500	1490mm/58,66"	1530mm/60,24"	1485mm/58,46"	-	0,2bar/2,9psi	50,80mm/ 2"	195mm/7,68"	191kg/420,39lbs
TTSTP1525	1525	1515mm/59,65"	1555mm/61,22"	1510mm/59,45"	-	0,2bar/2,9psi	50,80mm/ 2"	195mm/7,68"	191kg/420,79lbs
TTSTP1550	1550	1540mm/60,63"	1580mm/62,2"	1535mm/60,43"	-	0,2bar/2,9psi	50,80mm/ 2"	195mm/7,68"	201kg/443,93lbs
TTSTP1575	1575	1565mm/61,61"	1605mm/63,19"	1560mm/61,42"	-	0,2bar/2,9psi	50,80mm/ 2"	195mm/7,68"	205kg/452,59lbs
TTSTP1600	1600	1590mm/62,6"	1630mm/64,17"	1585mm/62,4"	-	0,2bar/2,9psi	50,80mm/ 2"	195mm/7,68"	210kg/463,86lbs
TTSTP1625	1625	1615mm/63,58"	1655mm/65,16"	1610mm/63,39"	-	0,2bar/2,9psi	50,80mm/ 2"	195mm/7,68"	216kg/477,06lbs
TTSTP1650	1650	1640mm/64,57"	1680mm/66,14"	1635mm/64,37"	-	0,2bar/2,9psi	50,80mm/ 2"	195mm/7,68"	220kg/485,13lbs
TTSTP1675	1675	1665mm/65,55"	1705mm/67,13"	1660mm/65,35"	-	0,2bar/2,9psi	50,80mm/ 2"	195mm/7,68"	222kg/489,29lbs
TTSTP1700	1700	1690mm/66,54"	1730mm/68,11"	1685mm/66,34"	-	0,2bar/2,9psi	50,80mm/ 2"	195mm/7,68"	224kg/494,39lbs
TTSTP1725	1725	1715mm/67,52"	1755mm/69,09"	1710mm/67,32"	-	0,2bar/2,9psi	50,80mm/ 2"	195mm/7,68"	233kg/513,75lbs
TTSTP1750	1750	1740mm/68,5"	1780mm/70,08"	1735mm/68,31"	-	0,2bar/2,9psi	50,80mm/ 2"	195mm/7,68"	241kg/530,15lbs
TTSTP1775	1775	1765mm/69,49"	1805mm/71,06"	1760mm/69,29"	-	0,2bar/2,9psi	50,80mm/ 2"	195mm/7,68"	244kg/538,22lbs
TTSTP1800	1800	1790mm/70,47"	1830mm/72,05"	1785mm/70,28"	-	0,2bar/2,9psi	50,80mm/ 2"	215mm/8,46"	300kg/660,58lbs
TTSTP1825	1825	1815mm/71,46"	1855mm/73,03"	1810mm/71,26"	-	0,2bar/2,9psi	50,80mm/ 2"	215mm/8,46"	309kg/680,11lbs
TTSTP1850	1850	1840mm/72,44"	1880mm/74,02"	1835mm/72,24"	-	0,2bar/2,9psi	50,80mm/ 2"	215mm/8,46"	319kg/702lbs
TTSTP1875	1875	1865mm/73,43"	1905mm/75"	1860mm/73,23"	-	0,2bar/2,9psi	50,80mm/ 2"	215mm/8,46"	326kg/719,25lbs
TTSTP1900	1900	1890mm/74,41"	1930mm/75,98"	1885mm/74,21"	-	0,2bar/2,9psi	50,80mm/ 2"	215mm/8,46"	334kg/736,4lbs
TTSTP1925	1925	1915mm/75,39"	1955mm/76,97"	1910mm/75,2"	-	0,2bar/2,9psi	50,80mm/ 2"	215mm/8,46"	337kg/743,72lbs
TTSTP1950	1950	1940mm/76,38"	1980mm/77,95"	1935mm/76,18"	-	0,2bar/2,9psi	50,80mm/ 2"	215mm/8,46"	345kg/759,69lbs
TTSTP1975	1975	1965mm/77,36"	2005mm/78,94"	1960mm/77,17"	-	0,2bar/2,9psi	50,80mm/ 2"	215mm/8,46"	353kg/777,97lbs
TTSTP2000	2000	1990mm/78,35"	2030mm/79,92"	1985mm/78,15"	-	0,2bar/2,9psi	50,80mm/ 2"	215mm/8,46"	362kg/798,5lbs

*Other sizes and custom pressure ratings available upon request.