PLUGLINE

STEEL TEST PLUG

DATA SHEET

High performance pressure testing solutions for pipeline integrity.

0.5 TO 2.5 BAR
BACK PRESSURE

-20°C TO +80°C
OPERATING TEMPERATURE

15 MM TO 300 MM
NOMINAL SIZE RANGE

SECURE SEAL
LEAK PROOG PERFORMANCE



- SECURE SEAL
- LEAK-PROOF
- EASY TO USE
- REUSABLE

BUILT TO SEAL. TESTED TO TRUST.

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STEEL TEST PLUG

RELIABLE SEALING. CONFIDENT TESTING

The Plugline Steel Test Plug is a mechanically expandable solution for sealing, blocking, pressure testing, and leak detection in pipelines, sewers, and drainage systems. Available in sizes from 15 mm to 300 mm, it provides back-pressure resistance from 0.5 bar up to 2.5 bar and operates between –20°C and +80°C. Optional bypass connections and NR/SBR, CR, or EPDM seals are available to suit different applications.



FEATURES

BACK-PRESSURE RESISTANCE

From 0.5 bar to 2.5 bar, depending on plug size

CORROSION-RESISTANT CONSTRUCTION

Steel body with interchangeable elastomeric sealing elements

WIDE SIZE RANGE

Nominal sizes from 15 mm to 300 mm

MATERIAL OPTIONS

NR/SBR, CR or EPDM sealing materials

EASY OPERATION

Wing-nut mechanism for quick and secure mechanical expansion

APPLICATIONS

- **Sewer and drainage systems**
- **Pipeline testing and leak detection**
- **Water and wastewater lines**
- **Gullies and drainage outlets**
- **Temporary pipe blocking**
- **Flow diversion during maintenance and repair**

TECHNICAL SPECIFICATIONS

Nominal Size Range	15 mm–300 mm
Back Pressure	0.5–2.5 bar, depending on size
Operating Temperature	−20°C to +80°C
Body Material	Steel
Seal Materials	NR/SBR, CR or EPDM
Tightening Mechanism	Mechanical wing-nut system
Bypass	Optional; size varies according to model
Customization	Available according to application requirements

SEALING TODAY.
PROTECTING TOMOTTOW

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/Ibs)
STP15	15	15mm/0,59"	18mm/0,71"	14mm/0,55"	15,76mm/0,62"	2,5bar/36,26psi	M8	122mm/4,8"	0,07kg/0,15lbs
STP20	20	19mm/0,75"	24mm/0,94"	18mm/0,71"	20,96mm/0,83"	2,5bar/36,26psi	M8	122mm/4,8"	0,1kg/0,22lbs
STP25	25	25mm/0,98"	38mm/1,5"	24mm/0,94"	26,64mm/1,05"	2,5bar/36,26psi	M10	122mm/4,8"	0,11kg/0,24lbs
STP32	32	33mm/1,3"	44mm/1,73"	32mm/1,26"	35,08mm/1,38"	2,5bar/36,26psi	12,70mm/ 1/2"	85mm/3,35"	0,16kg/0,35lbs
STP40	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"	0,22kg/0,48lbs
STP50	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"	0,33kg/0,73lbs
STP65	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"	0,26kg/0,57lbs
STP80	80	76mm/2,99"	89mm/3,5"	75mm/2,95"	77,92mm/3,07"	1,5bar/21,76psi	12,70mm/ 1/2"	82mm/3,23"	0,3kg/0,66lbs
STP90	90	85mm/3,35"	103mm/4,06"	84mm/3,31"	90,12mm/3,55"	1bar/14,5psi	12,70mm/ 1/2"	85mm/3,35"	0,39kg/0,86lbs
STP100	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"	0,41kg/0,9lbs
STP115	115	110mm/4,33"	128mm/5,04"	109mm/4,29"	117mm/4,61"	0,7bar/10,15psi	12,70mm/ 1/2"	85mm/3,35"	0,54kg/1,19lbs
STP125	125	126mm/4,96"	139mm/5,47"	125mm/4,92"	128,2mm/5,05"	0,5bar/7,25psi	12,70mm/ 1/2"	85mm/3,35"	0,55kg/1,21lbs
STP140	140	135mm/5,31"	152mm/5,98"	134mm/5,28"	141mm/5,55"	0,5bar/7,25psi	12,70mm/ 1/2"	85mm/3,35"	0,71kg/1,56lbs
STP150	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"	0,71kg/1,56lbs
STP175	175	171mm/6,73"	196mm/7,72"	170mm/6,69"	178mm/7,01"	0,5bar/7,25psi	25,40mm/ 1"	139mm/5,47"	1,79kg/3,95lbs
STP200	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"	1,96kg/4,32lbs
STP225	225	219mm/8,62"	245mm/9,65"	218mm/8,58"	227mm/8,94"	0,5bar/7,25psi	25,40mm/ 1"	134,5mm/5,3"	2,31kg/5,09lbs
STP250	250	246mm/9,69"	290mm/11,42"	244mm/9,61"	254,46mm/10,02"	0,5bar/7,25psi	25,40mm/ 1"	176mm/6,93"	3,07kg/6,77lbs
STP275	275	272mm/10,71"	305mm/12,01"	270mm/10,63"	279mm/10,98"	0,5bar/7,25psi	25,40mm/ 1"	200,75mm/7,9"	3,62kg/7,98lbs
STP300	300	297mm/11,69"	335mm/13,19"	295mm/11,61"	304,84mm/12"	0,5bar/7,25psi	25,40mm/ 1"	208,75mm/8,22"	4,07kg/8,97lbs

*Other sizes and custom pressure ratings available upon request.

HOW TO USE

Six-step installation and removal sequence - always follow the selected model limits.

01 SELECT
Verify pipe I.D., expansion range and rated back pressure.

02 INSPECT
Check the seal and steel parts; clean the pipe interior.

03 POSITION
Insert centrally, square to the pipe and clear of the opening.

04 EXPAND
Tighten the wing nut evenly until the seal grips securely.

05 PRESSURIZE
Increase pressure gradually; never exceed the model rating.

06 RELEASE
Fully depressurize, loosen, remove, clean and store dry.

SAFETY: KEEP CLEAR OF THE PLUG WHILE PRESSURIZED
Release all pressure before adjustment or removal. Use suitable restraint where required.

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