



DOUBLE SEAL STEEL TEST PLUG

DATA SHEET

High-performance double-seal solution for pipeline pressure testing, temporary isolation and flow control.



**0.7 TO 3.75
BAR**

BACK
PRESSURE



**-20°C TO
+80°C**

OPERATING
TEMPERATURE



**15 MM TO
300 MM**

NOMINAL
SIZE RANGE



DOUBLE SEAL

SEALING
CONFIGURATION



DOUBLE-SEAL DESIGN



WITH BYPASS



HIGH BACK-PRESSURE



REUSABLE



BUILT TO SEAL. TESTED TO TRUST.

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DOUBLE SEAL STEEL TEST PLUG

RELIABLE SEALING. CONFIDENT TESTING

The Plugline Double Seal Steel Test Plug is a mechanically expandable solution designed for pipeline pressure testing, leak detection, temporary isolation and flow control. Its two elastomeric sealing elements create two separate contact zones against the internal pipe wall, providing enhanced sealing stability compared with a conventional single-seal test plug.

The plug is expanded by tightening the central wing-nut mechanism, which compresses both sealing elements between the steel plates. Depending on the selected model, the product is available with M8, M10, ½-inch or 1-inch bypass connections for controlled filling, venting, draining or pressure monitoring. The product range covers nominal sizes from 15 mm to 300 mm, with rated back-pressure resistance from 0.7 bar to 3.75 bar.



APPLICATIONS

- Sewer and drainage systems
- Water and wastewater pipelines
- Pressure testing and leak detection
- Temporary pipe isolation
- Flow diversion during maintenance
- Industrial and municipal pipelines

TECHNICAL SPECIFICATIONS

Nominal Size Range	15 mm–300 mm
Applicable Pipe I.D. Range	15 mm–335 mm, depending on model
Rated Back Pressure	0.7–3.75 bar / 10.15–54.39 psi, depending on model
Operating Temperature	–20°C to +80°C, subject to approved seal material
Body Material	Steel
Sealing Configuration	Double elastomeric seal
Seal Material Options	NR/SBR, CR or EPDM*
Tightening Mechanism	Central mechanical wing-nut system
Bypass Connections	M8, M10, ½" or 1", depending on model
Product Length	122–311 mm, depending on model

FEATURES

BACK-PRESSURE RESISTANCE

Rated back pressure from 0.7 bar to 3.75 bar, depending on the selected model.

DOUBLE-SEAL CONFIGURATION

Two elastomeric sealing elements provide two sealing contact zones for improved stability and sealing performance.

WIDE SIZE RANGE

Nominal sizes from 15 mm to 300 mm, covering applicable pipe internal diameters up to 335 mm.

MATERIAL OPTIONS

NR/SBR, CR or EPDM sealing materials

BYPASS CONNECTION OPTIONS

Available with M8, M10, ½-inch or 1-inch bypass connections, depending on model.

SEALING TODAY.
PROTECTING TOMORROW

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)
DSTP15	15	15mm/0,59"	18mm/0,71"	14mm/0,55"	15,76mm/0,62"	3,75bar/54,39psi	M8	122mm/4,8"	0,09kg/0,19lbs
DSTP20	20	19mm/0,75"	24mm/0,94"	18mm/0,71"	20,96mm/0,83"	3,75bar/54,39psi	M8	122mm/4,8"	0,11kg/0,24lbs
DSTP25	25	25mm/0,98"	38mm/1,5"	24mm/0,94"	26,64mm/1,05"	3,75bar/54,39psi	M10	122mm/4,8"	0,12kg/0,27lbs
DSTP32	32	33mm/1,3"	44mm/1,73"	32mm/1,26"	35,08mm/1,38"	3,75bar/54,39psi	12,70mm/ 1/2"	125mm/4,92"	0,27kg/0,6lbs
DSTP40	40	39mm/1,54"	53mm/2,09"	38mm/1,5"	40,94mm/1,61"	3,75bar/54,39psi	12,70mm/ 1/2"	125mm/4,92"	0,35kg/0,77lbs
DSTP50	50	51mm/2,01"	66mm/2,6"	50mm/1,97"	52,48mm/2,07"	3,75bar/54,39psi	12,70mm/ 1/2"	125mm/4,92"	0,54kg/1,19lbs
DSTP65	65	61mm/2,4"	79mm/3,11"	60mm/2,36"	62,68mm/2,47"	3,75bar/54,39psi	12,70mm/ 1/2"	125mm/4,92"	0,43kg/0,96lbs
DSTP80	80	76mm/2,99"	89mm/3,5"	75mm/2,95"	77,92mm/3,07"	2,25bar/32,63psi	12,70mm/ 1/2"	159mm/6,26"	0,54kg/1,18lbs
DSTP90	90	85mm/3,35"	103mm/4,06"	84mm/3,31"	90,12mm/3,55"	1,25bar/18,13psi	12,70mm/ 1/2"	159mm/6,26"	0,7kg/1,53lbs
DSTP100	100	99mm/3,9"	112mm/4,41"	98mm/3,86"	102,26mm/4,03"	0,9bar/13,05psi	12,70mm/ 1/2"	125mm/4,92"	0,71kg/1,56lbs
DSTP115	115	110mm/4,33"	128mm/5,04"	109mm/4,29"	117mm/4,61"	0,9bar/13,05psi	12,70mm/ 1/2"	125mm/4,92"	0,97kg/2,14lbs
DSTP125	125	126mm/4,96"	139mm/5,47"	125mm/4,92"	128,2mm/5,05"	0,9bar/13,05psi	12,70mm/ 1/2"	125mm/4,92"	0,99kg/2,18lbs
DSTP140	140	135mm/5,31"	152mm/5,98"	134mm/5,28"	141mm/5,55"	0,9bar/13,05psi	12,70mm/ 1/2"	125mm/4,92"	1,31kg/2,88lbs
DSTP150	150	149mm/5,87"	164mm/6,46"	148mm/5,83"	154,08mm/6,07"	0,7bar/10,15psi	12,70mm/ 1/2"	125mm/4,92"	1,31kg/2,88lbs
DSTP175	175	171mm/6,73"	196mm/7,72"	170mm/6,69"	178mm/7,01"	0,7bar/10,15psi	25,40mm/ 1"	250mm/9,84"	3,07kg/6,77lbs
DSTP200	200	195mm/7,68"	218mm/8,58"	194mm/7,64"	202,64mm/7,98"	0,7bar/10,15psi	25,40mm/ 1"	170mm/6,69"	3,26kg/7,19lbs
DSTP225	225	219mm/8,62"	245mm/9,65"	218mm/8,58"	227mm/8,94"	0,7bar/10,15psi	25,40mm/ 1"	149mm/5,87"	3,92kg/8,64lbs
DSTP250	250	246mm/9,69"	290mm/11,42"	244mm/9,61"	254,46mm/10,02"	0,7bar/10,15psi	25,40mm/ 1"	250mm/9,84"	5,51kg/12,15lbs
DSTP275	275	272mm/10,71"	305mm/12,01"	270mm/10,63"	279mm/10,98"	0,7bar/10,15psi	25,40mm/ 1"	295mm/11,61"	6,71kg/14,78lbs
DSTP300	300	297mm/11,69"	335mm/13,19"	295mm/11,61"	304,84mm/12"	0,7bar/10,15psi	25,40mm/ 1"	311mm/12,24"	7,54kg/16,62lbs

*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 the pipe internal diameter, selected plug expansion range, rated back-pressure and bypass connection.

02

INSPECT

Inspect both sealing elements, steel plates, wing nut and bypass connection. Clean the internal pipe surface and remove sharp debris.

03

POSITION

Insert the plug centrally and squarely into the pipe. Position it fully inside the pipe and clear of the pipe opening.

04

EXPAND

Tighten the central wing nut gradually until both sealing elements expand uniformly and grip the internal pipe wall securely.

05

PRESSURIZE

Close or connect the bypass as required and increase the pressure gradually. Never exceed the rated back pressure of the selected model.

06

RELEASE

Fully depressurize the pipeline through the bypass. Loosen the wing nut, remove the plug and clean, inspect and store it in a dry location.



SAFETY: KEEP CLEAR OF THE PLUG WHILE PRESSURIZED

Release all pressure before adjustment or removal. Use suitable restraint where required.

