



PIPE EQUIPMENT SPECIALISTS LTD

PIPE STOPPERS



www.TAG-PIPE.COM

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Tel: +44 (0)1869 324 144
E-mail: sales@tag-pipe.com

Expandable test plugs for purging and general pipe blocking

Pipe stoppers, or drain plugs as they are sometimes known, are used to temporarily seal the end of a pipe or opening for many different testing applications. Pipe stoppers are mainly used to seal off from water, gases and foreign objects in newly laid pipes, or pipework systems that are under repair.

TAG Pipe Purge System range of Pipe stoppers are available in a number of different styles to suit many applications for pipe sizes from ½ - 72". Special Pipe stoppers are also available for pressure testing.

How it works

A central spindle/shaft on which two plates are fitted with a natural rubber tyre (ring) between them, a wing nut on the shaft moving the two plates together compressing the tyre and making the seal in the pipe. These stoppers can also be supplied with a hollow shaft version for screwing on standard hose connections or for using fixed or free nipple caps.

Expandable Pipe Stoppers are available in three different types.

Nylon Plugs



Nylon plugs are the standard 'Drain Plugs' for testing leak tightness of foul water lines at the time of installation.

Furthermore, the range of sizes make these plugs ideal for a number of other applications in the water and gas industries as well as applications in all other industries where pipes are used or where there are holes to be blocked.

Aluminium Plugs



To complement the range of nylon expanding plugs, we offer all sizes of aluminium plugs.

These are provided in sizes from 1.5" upwards and are suitable for more arduous duties such as immersion in chemicals and/or higher temperatures.

Steel Plugs



TAG Pipe Purge System also manufacture a range of Steel plugs from 1.5 - 72" in diameter.

These plugs are typically suitable for more arduous duties such as long immersion in water and use at higher temperatures or for contact with acidic or alkaline environments for which the Nylon and Aluminium plugs may be unsuitable.

All plugs conform to British Standards BS8005 for low pressure testing and sealing of pipes.

PART NO.	PIPE SIZE INTERNAL NOMINAL DIAMETER		WILL FIT PIPES WITH INTERNAL DIAMETER		MINIMUM INSERTION INTO PIPE	OVERALL LENGTH	DIAMETER OF WATERWAY	MAXIMUM ALLOWABLE BACK PRESSURE	APPROX. WEIGHT
	METRIC	IMPERIAL	MINIMUM	MAXIMUM					
NYLON EXPANDING PIPE STOPPERS SPECIFICATION									
NES18	18mm	¾"	18mm	26mm	30mm	58mm	n/a solid	15p.s.i.	0.01kg
NES25	25mm	1"	25mm	32mm	18mm	51mm	n/a solid	15p.s.i.	0.02kg
NES31	31mm	1¼"	31mm	39mm	19mm	56mm	n/a solid	15p.s.i.	0.04kg
NES38	38mm	1½"	38mm	42mm	36mm	58mm	n/a solid	15p.s.i.	0.05kg
NES50	50mm	2"	48.5mm	62.2mm	36mm	110mm	0.5" bsp	15p.s.i.	0.05kg
NES63	63mm	2½"	65mm	77mm	36mm	110mm	0.5" bsp	10p.s.i.	0.10kg
NES75	75mm	3"	74mm	86mm	36mm	110mm	0.5" bsp	10p.s.i.	0.10kg
NES88	88mm	3½"	82mm	96mm	36mm	110mm	0.5" bsp	10p.s.i.	0.10kg
NES100	100mm	4"	95mm	105mm	36mm	110mm	0.5" bsp	5p.s.i.	0.15kg
NES115	115mm	4½"	114mm	124mm	36mm	110mm	0.5" bsp	5p.s.i.	0.2kg
NES125	125mm	5"	117mm	127mm	40mm	110mm	0.5" bsp	5p.s.i.	0.2kg
NES150	150mm	6"	146mm	155mm	42mm	110mm	0.5" bsp	5p.s.i.	0.25kg

ALUMINIUM EXPANDING PIPE STOPPERS SPECIFICATION									
AES1.5	40mm	1½"	38mm	50mm	45mm	94mm	½"	30p.s.i.	0.17kg
AES2	50mm	2"	49mm	62mm	43mm	90mm	½"	30p.s.i.	0.22kg
AES2.5	65mm	2½"	62mm	77mm	43mm	92mm	½"	30p.s.i.	0.27kg
AES3	75mm	3"	73mm	89mm	43mm	94mm	½"	20p.s.i.	0.31kg
AES3.5	90mm	3½"	84mm	103mm	53mm	96mm	½"	15p.s.i.	0.36kg
AES4	100mm	4"	94mm	110mm	47mm	94mm	½"	10p.s.i.	0.36kg
AES4.5	114mm	4½"	112mm	130mm	56mm	140mm	½"	10p.s.i.	0.47kg
AES5	125mm	5"	125mm	142mm	60mm	95mm	½"	10p.s.i.	0.79kg
AES6	150mm	6"	146mm	168mm	48mm	96mm	½"	10p.s.i.	0.70kg
AES7	175mm	7"	175mm	200mm	64mm	100mm	1"	7p.s.i.	1.92kg
AES8	200mm	8"	193mm	220mm	64mm	100mm	1"	7p.s.i.	1.59kg
AES9	225mm	9"	220mm	240mm	64mm	170mm	1"	7p.s.i.	2.06kg
AES10	250mm	10"	245mm	270mm	73mm	178mm	1"	7p.s.i.	2.52kg
AES11	275mm	11"	274mm	328mm	100mm	200mm	1"	7p.s.i.	3.45kg
AES12	300mm	12"	295mm	325mm	77mm	200mm	1"	7p.s.i.	3.42kg
AES13	325mm	13"	325mm	360mm	120mm	230mm	1"	5p.s.i.	4.75kg
AES14	350mm	14"	350mm	385mm	110mm	215mm	1"	5p.s.i.	6.95kg
AES15	375mm	15"	370mm	410mm	110mm	225mm	1"	5p.s.i.	5.35kg
AES16	400mm	16"	390mm	435mm	110mm	225mm	1"	5p.s.i.	5.9kg
AES18	450mm	18"	445mm	495mm	110mm	225mm	2"	5p.s.i.	8.75kg
AES20	500mm	20"	495mm	550mm	145mm	255mm	2"	5p.s.i.	11.3kg
AES21	525mm	21"	520mm	575mm	145mm	255mm	2"	3p.s.i.	11.8kg
AES24	600mm	24"	595mm	650mm	145mm	255mm	2"	3p.s.i.	15.85kg

STEEL EXPANDING PIPE STOPPERS SPECIFICATION									
SES1.5	40mm	1½"	37mm	50mm	31mm	81.5mm	½"	30p.s.i.	0.16kg
SES2	50mm	2"	50mm	61mm	32.7mm	82.8mm	½"	30p.s.i.	0.18kg
SES2.5	65mm	2½"	61mm	75mm	33.2mm	80.5mm	½"	30p.s.i.	0.26kg
SES3	75mm	3"	73mm	85mm	34mm	80.5mm	½"	20p.s.i.	0.28kg
SES3.5	89mm	3½"	84mm	100mm	41mm	81mm	½"	15p.s.i.	0.36kg
SES4	100mm	4"	94mm	108mm	37.5mm	83.3mm	½"	10p.s.i.	0.41kg
SES4.5	114mm	4½"	110mm	125mm	40mm	83.3mm	½"	10p.s.i.	0.58kg
SES5	125mm	5"	124mm	139mm	37mm	83.3mm	½"	10p.s.i.	0.60kg
SES6	150mm	6"	145mm	160mm	39.7mm	83.3mm	½"	10p.s.i.	0.75kg
SES7	175mm	7"	175mm	200mm	46mm	130mm	1"	7p.s.i.	1.56kg
SES8	200mm	8"	195mm	215mm	37mm	130mm	1"	7p.s.i.	1.47kg
SES9	225mm	9"	210mm	230mm	58mm	150mm	1"	7p.s.i.	1.93kg
SES10	250mm	10"	245mm	260mm	55mm	150mm	1"	7p.s.i.	2.55kg
SES12	300mm	12"	296mm	320mm	85mm	150mm	1"	7p.s.i.	3.72kg
SES14	350mm	14"	340mm	385mm	85mm	210mm	1"	5p.s.i.	6.54kg
SES15	375mm	15"	370mm	415mm	100mm	210mm	1"	5p.s.i.	7.00kg
SES16	400mm	16"	390mm	430mm	95mm	210mm	1"	5p.s.i.	8.45kg
SES18	450mm	18"	448mm	495mm	100mm	210mm	1"	5p.s.i.	10.6kg
SES20	500mm	20"	495mm	550mm	145mm	255mm	2"	3p.s.i.	11.3kg
SES21	525mm	21"	520mm	575mm	145mm	255mm	2"	3p.s.i.	11.5kg
SES24	600mm	24"	595mm	650mm	145mm	255mm	2"	3p.s.i.	15.85kg

* Larger sizes available upon request



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INFLATABLE PIPE STOPPERS

Sizes: 2 - 80" (45 - 2040mm)

Single inflatable dams for blocking and testing

TAG offers a range of shapes and sizes of inflatable stoppers, suitable for all applications. Made from a natural rubber bladder covered in waterproof polyurethane coated nylon to prevent friction and static electricity build up.

There are six different types available:

- **Cylindrical** - These are generally used for blocking pipes where access is restricted
- **Spherical** - These stoppers have less contact area than cylindrical stoppers, and are most suited to applications where access is further limited. Due to its shape the spherical inflatable stopper can be used at any angle
- **Square / Rectangular** - These stoppers have a variety of applications, including in air conditioning ducting and venting.
- **Doughnut** - These stoppers require minimal space and are perfectly suited to larger diameter pipes as there is less inflation required
- **Sausage** - The design of this type gives more contact area between the stopper and the pipe wall enabling these stoppers to hold back more pressure
- **Heat Resistant** - These stoppers are made from a specially designed kevlar and nomex mix material to withstand temperatures up to 500°C for applications involving higher temperatures such as pre heating

Each inflatable stopper comes with an inflation hose fitted with a schraeder valve enabling inflation with a standard airline, bicycle or foot pump.



12"

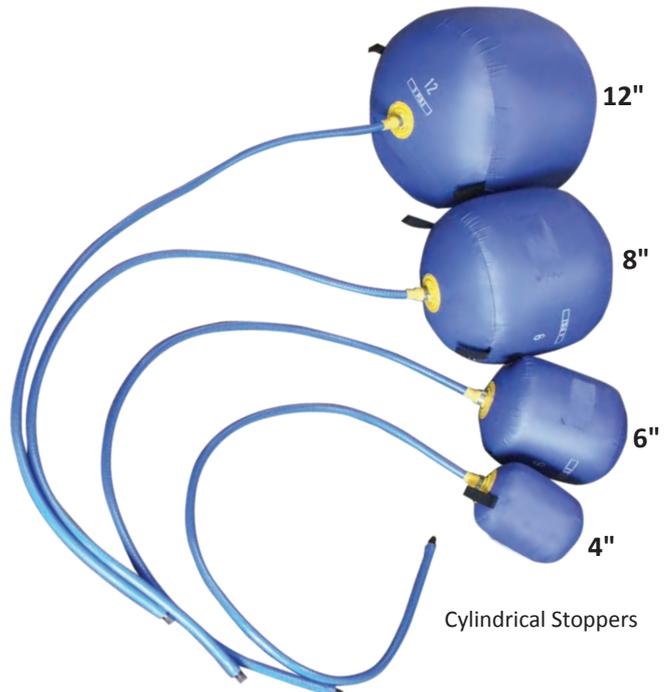


16"

Heat Resistant Stopper



Doughnut Stoppers



Cylindrical Stoppers



TAG Pipe Purge System inflatable stoppers are supplied as standard with no through tube. Through tubes can be supplied when the stoppers are required for weld purging applications.

When deflated, the inflatable stoppers can be inserted and withdrawn with ease.

Sizing and Specification

PART NO.	INFLATABLE STOPPER SIZE (MM / INCH)	MIN ID (MM)	MAX ID (MM)
IPS2	50mm / 2"	45mm	55mm
IPS3	75mm / 3"	70mm	80mm
IPS4	100mm / 4"	95mm	105mm
IPS5	125mm / 5"	120mm	130mm
IPS6	150mm / 6"	145mm	155mm
IPS7	175mm / 7"	170mm	180mm
IPS8	200mm / 8"	195mm	205mm
IPS9	225mm / 9"	220mm	230mm
IPS10	250mm / 10"	245mm	255mm
IPS11	275mm / 11"	270mm	280mm
IPS12	300mm / 12"	295mm	305mm
IPS13	325mm / 13"	320mm	330mm
IPS14	350mm / 14"	345mm	355mm
IPS15	375mm / 15"	370mm	380mm
IPS16	400mm / 16"	395mm	405mm
IPS17	425mm / 17"	420mm	430mm
IPS18	450mm / 18"	445mm	455mm
IPS19	475mm / 19"	470mm	480mm
IPS20	500mm / 20"	495mm	505mm
IPS21	525mm / 21"	520mm	530mm
IPS22	550mm / 22"	545mm	555mm
IPS23	575mm / 23"	570mm	580mm
IPS24	600mm / 24"	595mm	605mm
IPS26	650mm / 26"	645mm	655mm
IPS27	675mm / 27"	670mm	680mm
IPS28	700mm / 28"	695mm	705mm
IPS30	750mm / 30"	745mm	755mm
IPS32	800mm / 32"	795mm	805mm
IPS34	850mm / 34"	845mm	855mm
IPS36	900mm / 36"	895mm	905mm
IPS39	1000mm / 39"	995mm	1005mm
IPS44	1100mm / 44"	1095mm	1105mm
IPS48	1200mm / 48"	1195mm	1205mm
IPS51	1300mm / 51"	1295mm	1305mm
IPS55	1400mm / 55"	1395mm	1405mm
IPS60	1500mm / 60"	1495mm	1505mm
IPS63	1600mm / 63"	1595mm	1605mm
IPS67	1700mm / 67"	1695mm	1705mm
IPS71	1800mm / 71"	1795mm	1805mm
IPS75	1900mm / 75"	1895mm	1905mm
IPS79	2000mm / 79"	1995mm	2005mm
IPS80	2035mm / 80"	2030mm	2040mm

* Larger sizes available upon request



TAG CUSTOM STOPPERS

Any inflatable stopper we can make

TAG can manufacture to any size, shape and material dependant on the clients requirements any style or inflatable stopper, bag or system.

Please see examples below:





PIPE EQUIPMENT SPECIALISTS LTD PRODUCTS INCLUDE:

PIPE BEVELLING MACHINES



PIPE CUTTING MACHINES



PIPE ALIGNMENT CLAMPS



PIPE STANDS AND ROLLERS



PIPE PURGING EQUIPMENT



PLATE BEVELLERS



North America

Europe

Asia

Middle East

India

Africa

South America

Australia



TAG Head Office

TAG PIPE EQUIPMENT SPECIALISTS LTD
Unit 15 & 16 Grendon Industrial Estate, Grendon Underwood,
Aylesbury, Buckinghamshire, HP18 0QX England
Tel: +44 (0)1869 324 144 E-mail: sales@tag-pipe.com
www.TAG-PIPE.com

Your Local Distributor

Overseas Branches



USA Branch

TAG PIPE EQUIPMENT SPECIALISTS INC
527 Michigan Street, South Houston
Houston, Texas 77587, USA
Tel: +1 713 660 1427
E-mail: sales-usa@tag-pipe.com



Europe Branch

TAG PIPE EQUIPMENT SPECIALISTS BVBA
Mosten 13, 9160 Lokeren
Belgium
Tel: +32 486 46 62 93
E-mail: sales-europe@tag-pipe.com



Middle East Branch

TAG PIPE EQUIPMENT SPECIALISTS FZE
Al Ittihad Street, P.O. Box 3763
Dubai, United Arab Emirates
Tel: +971 (0)50 680 3107
E-mail: sales-me@tag-pipe.com



India Branch

TAG PIPE EQUIPMENT SPECIALISTS PVT
Plot No. PAP 3, D 3 Block,
Chinchwad, Pune 411 019
Tel: +91 20 6573 4333
E-mail: sales-india@tag-pipe.com



Asia Branch

TAG PIPE EQUIPMENT SPECIALISTS PTE
Yinhe Bridge West, Beichen District
Tianjin, China
Tel: +86 139 2001 5417
E-mail: sales-asia@tag-pipe.com

Our company policy is one of continuous improvement. Products may change or vary from those illustrated.

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