

techhose

QUALITY CONNECTIONS

Hydraulics

Pneumatics
& Vacuum

Industrial

Compressed Air
& Ring Main

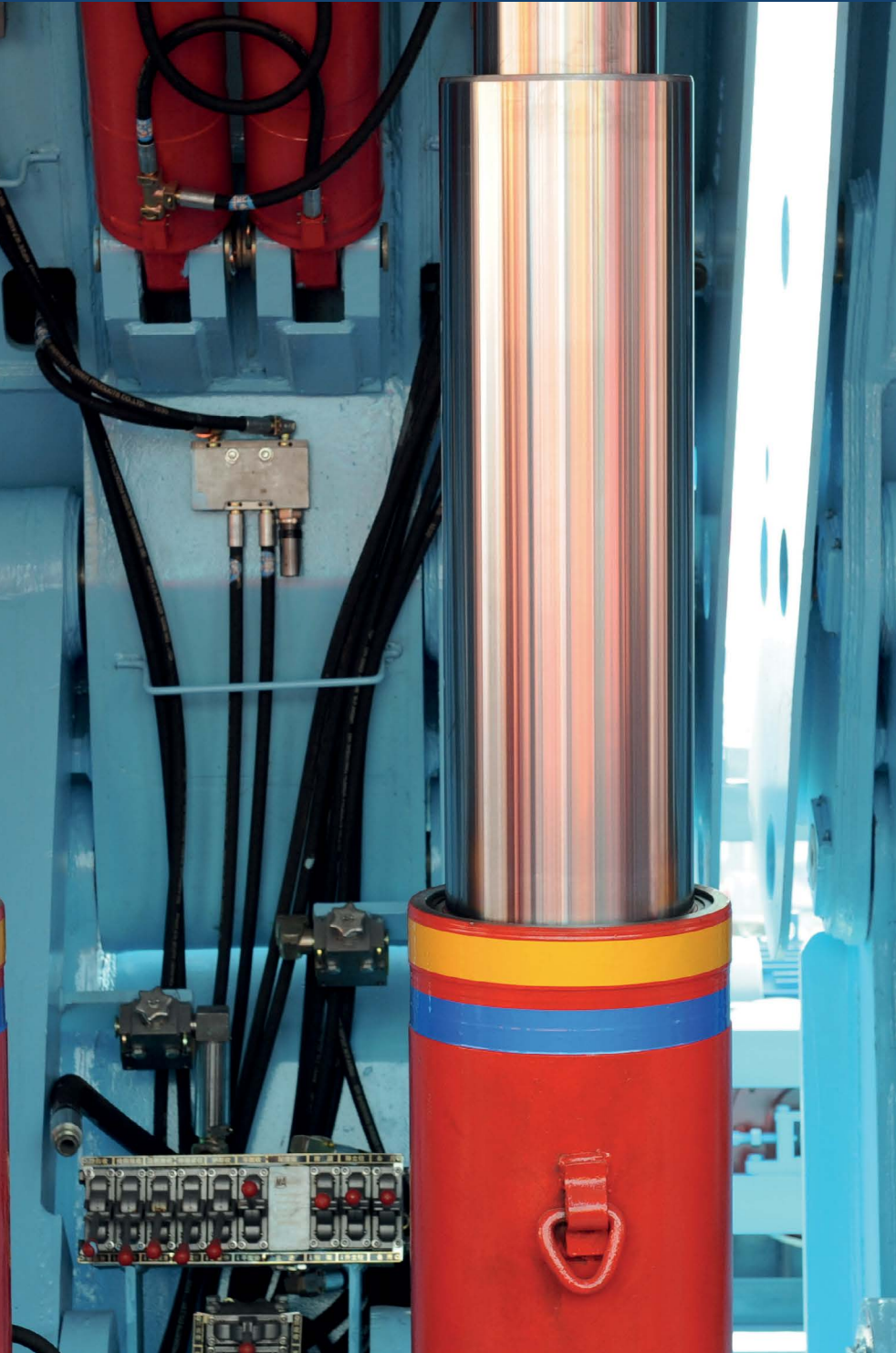
Process &
Instrumentation

Hydraulics

Lifting, Tooling & Spill Equipment

SECTION 6

Lifting, Tooling & Spill Equipment



- Stopflex Hose Retention
- Fire Protection Sleeve
- Hose Protection, Steel
- Hose Protection, Fabric
- Hose Protection, Plastic
- Service Plugs
- Hydraulic Tooling Equipment
- Spill Absorbents
- Spill Prevention
- Hydraulic Oils



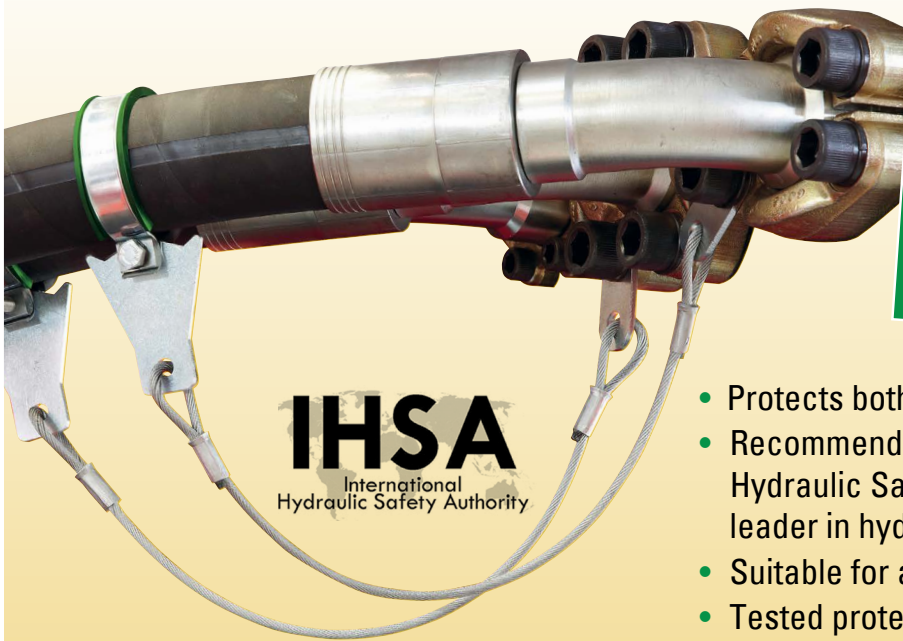


BVA Cylinder Kits	968
BVA General Purpose Single Acting Cylinders	966
BVA Hose Assemblies, Couplings, Bottle Jacks & Toe Jacks	969
BVA Single Acting Air, Universal Motor & Hand Pumps Range	967
Galvanised Steel Spring Hose Guard	961
Hose Fire Sleeve, Self Amalgamating Tape & Heat Shrink	960
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RETENTION SYSTEM FOR PRESSURE HOSES

Prevent whipping of a pressurised hose in the event of the hose separating from its fitting



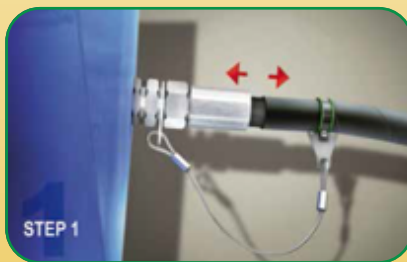
IHSA
International
Hydraulic Safety Authority

Suitable for various applications, including:

- DIN and BSP Fittings
- JIC Fittings
- SAE Flanges

- Protects both the operator and components
- Recommended by the International Hydraulic Safety Authority - the world leader in hydraulic safety training
- Suitable for all kinds of flexible hose
- Tested protection: compliant with EN 853, EN 854, EN 855, EN 856, EN 857, SAE J517

How it works...



1: Disengagement:

A hose disengages from its ferrule.



2: Release/venting of pressure

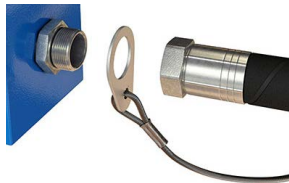
The pressurised oil exits from the hose and the release of energy results in the hose gaining considerable velocity, triggering a hazardous "whip effect" which is very dangerous to anyone or anything in its vicinity.



Step 3: Restraint

This is where the Stopflex system gets into operation: the stainless steel cable is tensioned and restrains the hose, preventing it from 'whipping'. The plate cuts into the rubber of the hose, to ensure that the clamp remains firmly attached. The hose clamp and plate absorb the force released from the travel of the flexible hose. This critical step occurs within just a few seconds.

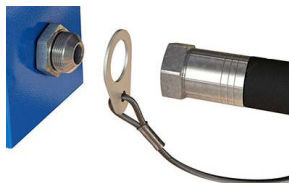
Retention System for Pressure Hoses



To suit DIN & BSP Fittings

0466	To Suit	Diameter mm	Length mm
STOPFUDIN145	8L - 1/4"	14.5	300
STOPFUDIN17	8S - 10L - 3/8"	17	300
STOPFUDIN185	10S - 12L	18.5	300
STOPFUDIN205	12S	20.5	300
STOPFUDIN225	14S - 15L - 1/2"	22.5	300
STOPFUDIN245	16S - 5/8"	24.5	300
STOPFUDIN265	18L - 3/4"	26.5	300
STOPFUDIN305	20S - 22L	30.5	300
STOPFUDIN34	1"	34	450
STOPFUDIN365	25S - 28L	36.5	450
STOPFUDIN425	30S - 1.1/4"	42.5	450
STOPFUDIN455	35L	45.5	450
STOPFUDIN49	1.1/2"	49	450
STOPFUDIN525	38S - 42L	52.5	450
STOPFUDIN60	2"	60	450

Tech Sheet 60137



To suit JIC Fittings

0466	To Suit	Diameter mm	Length mm
STOPFUJIC115	7/16"	11.5	300
STOPFUJIC132	1/2"	13.2	300
STOPFUJIC148	9/16"	14.8	300
STOPFUJIC195	3/4"	19.5	300
STOPFUJIC228	7/8"	22.8	300
STOPFUJIC275	1.1/16"	27.5	300
STOPFUJIC307	1.3/16"	30.7	300
STOPFUJIC34	1.5/16"	34	450
STOPFUJIC415	1.5/8"	41.5	450
STOPFUJIC48	1.7/8"	48	450
STOPFUJIC64	2.1/2"	64	450

Tech Sheet 60137



To suit SAE Flanges

0466	To Suit	Diameter mm	Length mm
STOPFUSAE085	1/2" - 3000 psi	8.5	300
STOPFUSAE105	3/4" - 1.1/4" 3000 psi, 3/4" 6000 psi	10.5	450
STOPFUSAE125	1.1/2" - 2" 3000 psi, 1" 6000 psi	12.5	450
STOPFUSAE145	1.1/4" - 6000 psi	14.5	450
STOPFUSAE165	1.1/2" - 6000 psi	16.5	450
STOPFUSAE205	2" - 6000 psi	20.5	450

Tech Sheet 60137



To suit Various Applications

0466	To Suit	Diameter mm	Length mm
STOPFUVARIE	Large Plate	13	450
STOPFUVARIES	Small Plate	13	450

Tech Sheet 60137



Hose Band

0466	Minimum Diameter mm	Maximum Diameter mm	Thread
STOPFA11115	11	11.5	M6
STOPFA12125	12	12.5	M6
STOPFA13135	13	13.5	M6
STOPFA1415	14	15	M6
STOPFA1617	16	17	M6
STOPFA1718	17	18	M6
STOPFA1819	18	19	M6
STOPFA2021	20	21	M6
STOPFA2122	21	22	M6
STOPFA2223	22	23	M6
STOPFA2425	24	25	M6
STOPFA2526	25	26	M6
STOPFA2627	26	27	M6
STOPFA2728	27	28	M6
STOPFA2829	28	29	M6
STOPFA3031	30	31	M6
STOPFA3233	32	33	M6
STOPFA3435	34	35	M6
STOPFA3637	36	37	M6
STOPFA3839	38	39	M6
STOPFA3940	39	40	M6
STOPFA4041	40	41	M6
STOPFA4243	42	43	M6
STOPFA4344	43	44	M6
STOPFA4445	44	45	M8
STOPFA4547	45	47	M8
STOPFA4850	48	50	M8
STOPFA5153	51	53	M8
STOPFA5354	53	54	M8
STOPFA5456	54	56	M8
STOPFA5759	57	59	M8
STOPFA6062	60	62	M8
STOPFA6365	63	65	M8
STOPFA6668	66	68	M8
STOPFA6971	69	71	M8
STOPFA7274	72	74	M8
STOPFA7577	75	77	M8
STOPFA7880	78	80	M8
STOPFA8183	81	83	M8
STOPFA8486	84	86	M8
STOPFA8789	87	89	M8
STOPFA9092	90	92	M8
STOPFA9395	93	95	M8

Tech Sheet 60137



FIRE SLEEVE

Shield your hoses from extreme temperatures

The tried and tested red oxide silicone coated glass protective sleeving is popular requirement for application in mining, petrochemical process, aerospace and steel works settings.



The protective sleeve is easily installed whilst assembling a hose or can also be retro-fitted during maintenance and repair activities. In addition to defending critical equipment in harsh environmental conditions, the sleeve also mitigates health and safety risks by eliminating temperature extreme hazards so that scorching and burning injuries are avoided.

- Continuous protection at 260°C ambient temperatures
- Withstands molten metal splash at 1200°C
- UL94 flammability V-0
- Worker safety protection against lines that carry hot or volatile fluids
- Resistant to tears and abrasion
- Highly flexible and easily fitted
- MSHA approved
- RoHS 3 compliant



Fire Sleeve MSHA UL 94 V-0

Red Oxide
Per Metre

0319	ID mm	OD mm	SAE Size
FS-06-R	6	11	-04
FS-10-R	10	15	-06
FS-12-R	12	17	-08
FS-14-R	14	19	-09
FS-16-R	16	21	-10
FS-19-R	19	24	-12
FS-22-R	22	27	-14
FS-25-R	25	30	-16
FS-28-R	28	33	-18
FS-32-R	32	37	-20
FS-35-R	35	40	-22
FS-38-R	38	43	-24
FS-41-R	41	46	-26
FS-44-R	44	49	-28
FS-51-R	51	56	-32
FS-57-R	57	62	-
FS-63-R	63	68	-40
FS-70-R	70	75	-
FS-76-R	76	81	-48
FS-83-R	83	88	-
FS-89-R	89	94	-56
FS-95-R	95	100	-60
FS-102-R	102	107	-
FS-114-R	114	119	-72
FS-127-R	127	132	-

Tech Sheet 70055

Red Oxide
15 Metre Coils

0319	ID mm	OD mm	SAE Size
FS-06-R-15	6	11	-04
FS-10-R-15	10	15	-06
FS-12-R-15	12	17	-08
FS-14-R-15	14	19	-09
FS-16-R-15	16	21	-10
FS-19-R-15	19	24	-12
FS-22-R-15	22	27	-14
FS-25-R-15	25	30	-16
FS-28-R-15	28	33	-18
FS-32-R-15	32	37	-20
FS-35-R-15	35	40	-22
FS-38-R-15	38	43	-24
FS-41-R-15	41	46	-26
FS-44-R-15	44	49	-28
FS-51-R-15	51	56	-32
FS-57-R-15	57	62	-
FS-63-R-15	63	68	-40
FS-70-R-15	70	75	-
FS-76-R-15	76	81	-48
FS-83-R-15	83	88	-
FS-89-R-15	89	94	-56
FS-95-R-15	95	100	-60
FS-102-R-15	102	107	-
FS-114-R-15	114	119	-72
FS-127-R-15	127	132	-

Tech Sheet 70055



Self Amalgamating Tape 11 Metre Roll

0319	Colour	Width mm
FS-TAPE-25-N-11	Black	25
FS-TAPE-25-R-11	Red	25

Tech Sheet 70056

HEAT SHRINK

2:1 Ratio (min) Thin Wall UL 224 VW-1



Crosslinked Polyolefin, 50 Metre Reel

0319	Colour	ID mm
HS2T-6-R-50	Red	6.35-12.7
HS2T-8-R-50	Red	8-16
HS2T-10-R-50	Red	9.5-19.1
HS2T-13-R-50	Red	12.7-25.4
HS2T-16-R-50	Red	16-32
HS2T-19-R-50	Red	19.00-38.1
HS2T-6-N-50	Black	6.35-12.7
HS2T-8-N-50	Black	8-16
HS2T-10-N-50	Black	9.5-19.1
HS2T-13-N-50	Black	12.7-25.4
HS2T-16-N-50	Black	16-32
HS2T-19-N-50	Black	19.00-38.1

Tech Sheet 70057



Crosslinked Polyolefin, 30 Metre Reel

0319	Colour	ID mm
HS2T-25-R-30	Red	25.4-50.8
HS2T-38-R-30	Red	38.1-76.2
HS2T-51-R-30	Red	50.8-101.6
HS2T-25-N-30	Black	25.4-50.8
HS2T-38-N-30	Black	38.1-76.2
HS2T-51-N-30	Black	50.8-101.6

Tech Sheet 70057

3:1 Ratio (min)

Black Crosslinked Polyolefin Stick
Length 1.22 Metres

0319	Type	ID mm
HS3MW/160	Medium Wall	50-160
HS3HW/160	Heavy Wall	50-160

Tech Sheet 70058

PROTECTIVE HOSE SLEEVES

These products cannot be ordered online, please contact our sales office.

Galvanised Steel Spring Hose Guard

Open coil spring guard is a very effective and economic means of protecting hoses from expensive abrasive and crush damage. Manufactured from high tensile spring steel wire.

Available in other sizes on request.

10 Metre Coils

0362	ID mm	Wall Thickness mm
SHG-18	18	1.6
SHG-20	20	1.6
SHG-22	22	2.0
SHG-24	24	2.0
SHG-25	25	2.0
SHG-26	26	2.0
SHG-29	29	2.0
SHG-31	31	3.2
SHG-33	33	3.2
SHG-37	37	3.2
SHG-41	41	3.2
SHG-43	43	3.2
SHG-45	45	3.2
SHG-49	49	3.2
SHG-51	51	3.2
SHG-54	54	3.2
SHG-56	56	3.2
SHG-60	60	3.2
SHG-63	63	3.2
SHG-70	70	3.2





PROTECTIVE HOSE SLEEVES

Hose Protection Sleeve

The most economical option for managing, containing and protecting your hose, cables and other equipment.

Applications include protection for hose assemblies, ropes and wire harnesses.

- MSHA approved for underground mines, IC 171/1
- ISO 6945 abrasion standard, minimum 50,000 cycles
- Melting point: +220°C
- Resists mildew and bacterial growth
- Non-toxic
- Excellent resistance to UV ageing
- Very good chemical compatibility



20 Metre Coils

0460	ID mm
LGSLEEVE-18	18
LGSLEEVE-21	21
LGSLEEVE-25	25
LGSLEEVE-31	31
LGSLEEVE-36	36
LGSLEEVE-40	40
LGSLEEVE-45	45
LGSLEEVE-52	52
LGSLEEVE-60	60
LGSLEEVE-73	73
LGSLEEVE-85	85
LGSLEEVE-93	93

Tech Sheet 20377

Nylon Hose Protection Sleeve



This textile sleeve consists of nylon multifilament. Complying with European standards, it has excellent abrasion resistance, and is ideal for protecting people, environment and machinery against any possible hydraulic hose oil leakage or spill.

- Material: nylon (polyamide)
- Thickness: 0.8mm (European standard)
- Melting point: +230°C
- Working temperature: -40°C to +125°C (the sleeve loses 10% of its resistance at +125°C)
- MSHA approved: IC 293-1
- ISO 6945 abrasion standard, minimum 50,000 cycles
- UV solar protected: BS EN 13758-1
- Burst and leakage protected: SAE J343/ISO 3457
- Conductivity requirement: ISO 8031 approved
- Pin hole test approved



Working Temperature:
-40°C to +125°C

20 Metre Coils

0672	ID mm
FPSLEEVE-017	17
FPSLEEVE-020	20
FPSLEEVE-023	23
FPSLEEVE-027	27
FPSLEEVE-031	31
FPSLEEVE-036	36
FPSLEEVE-040	40
FPSLEEVE-044	44
FPSLEEVE-055	55
FPSLEEVE-060	60
FPSLEEVE-066	66
FPSLEEVE-073	73
FPSLEEVE-093	93
FPSLEEVE-112	112

Tech Sheet 68268

Hose Burst Guard

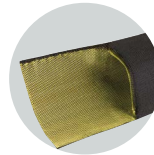
Our highest performance sleeve, designed to control and dissipate fluids from dangerous hose bursts.

For use in line-of-sight applications, to help protect personnel and equipment from the effects of a hose failure.

- MSHA approved IC171/1
- Outer layer withstands a minimum 350,000 cycles, abrasion tested using ISO 6945 test method
- Controls bursts up to 13,000 psi
- Two-layer structure with inner yellow layer acting as an abrasion indicator
- Meets ISO 3457, 4413, 6945, 6805, EN 414, MDG 41 and MSHA IC171/2
- Excellent resistance to UV ageing
- 40 metre lengths available on request
- Melting point: +215°C



Maximum Burst Control Pressure:
890 bar



30 Metre Coils

0460	ID mm
BUSLEEVE-31	31
BUSLEEVE-36	36
BUSLEEVE-42	42
BUSLEEVE-46	46
BUSLEEVE-54	54

Tech Sheet 60335

10 Metre Coils

0460	ID mm
BUSLEEVE-31-10	31
BUSLEEVE-36-10	36
BUSLEEVE-42-10	42
BUSLEEVE-46-10	46
BUSLEEVE-54-10	54

Tech Sheet 60335

Hose Wrap Sleeve

Ideal for hose bundling, adding abrasion protection post assembly or replacing damaged existing sleeves.

- Quick assembly
- Lightweight
- Proprietary bonding process allows cutting without fraying
- Meets ISO 6945 abrasion standard
- Excellent UV resistance
- Velcro fastening with shear strength of 22 psi
- Maximum temperature without degradation: +225°C



45 Metre Coils

0460	ID mm
WRSLEEVE-25	25
WRSLEEVE-75	75
WRSLEEVE-100	100
WRSLEEVE-125	125
WRSLEEVE-150	150
WRSLEEVE-175	175
WRSLEEVE-200	200

Tech Sheet 60336

SPIRAL HOSE GUARD FEATURES

- Provides high strength abrasion resistance for most types of hydraulic, pneumatic and industrial hose assemblies across a wide range of industries including: mining, forestry, drill rigs, plant and agricultural machinery, automotive, marine and offshore
- Exceptional anti-crushing performance
- High abrasion resistance
- Good UV resistance
- Easy installation and routing
- Proven in arduous conditions
- Conveniently coiled and packed in cartons for easy storage
- Suitable for wrapping single hoses or multiple hose looms



Hose I.D.	Hose Type								
	R1AT	R2AT	1SC	2SC	4SP	4SH	R13	R15	R17
3/16"	A	A							
1/4"	B	B	B	B	C				B
5/16"	B	C							B
3/8"	C	C	C	C	D			D	C
1/2"	D	D	D	D	E			E	D
5/8"	D	E							E
3/4"	E	E	E	E	E	E	E	E	E
1"	F	F		F	F	F	F	F	F
1.1/4"	G	G			G	G	G	G	
1.1/2"	G	H			H	H	H		
2"	I	I			I	I	I	I	

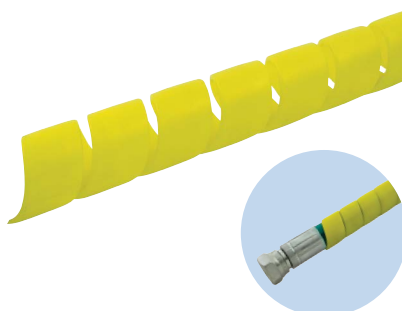
Protective Hose Sleeves



Flat Type Black, Polypropylene

0369	ID mm	Box Quantity	To Suit
FSG-10	10	20 Metres	A
FSG-12	12	20 Metres	B
FSG-14	14	20 Metres	-
FSG-16	16	20 Metres	C
FSG-20	20	20 Metres	D
FSG-25	25	20 Metres	E
FSG-32	32	20 Metres	F
FSG-42	42	10 Metres	G
FSG-50	50	10 Metres	H
FSG-60	60	10 Metres	I
FSG-74	74	10 Metres	-
FSG-80	80	10 Metres	-
FSG-88	88	10 Metres	-
FSG-100	100	10 Metres	-
FSG-130	130	10 Metres	-
FSG-150	150	10 Metres	-
FSG-200	200	2 Metres	-

Tech Sheet 10265



Flat Type Yellow, Polypropylene

0369	ID mm	Box Quantity	To Suit
FYSG-10	10	20 Metres	A
FYSG-12	12	20 Metres	B
FYSG-16	16	20 Metres	C
FYSG-20	20	20 Metres	D
FYSG-25	25	20 Metres	E
FYSG-32	32	20 Metres	F
FYSG-42	42	10 Metres	G
FYSG-50	50	10 Metres	H
FYSG-60	60	10 Metres	I


Tech Sheet 10265



Round Type Black, Polypropylene

0369	ID mm	Box Quantity	To Suit
RSG-10	10	20 Metres	A
RSG-12	12	20 Metres	B
RSG-16	16	20 Metres	C
RSG-20	20	20 Metres	D
RSG-25	25	20 Metres	E
RSG-32	32	20 Metres	F
RSG-42	42	10 Metres	G
RSG-50	50	10 Metres	H
RSG-60	60	10 Metres	I

Tech Sheet 10265

 **Working Temperature:**
-40°C to +90°C

Available in various colours on request.



Plugtite Industrial

Designed and used to prevent the leakage and contamination of various fluids, including hydraulics and chemicals, during the service, maintenance and storage of machinery and equipment. Used in industrial areas such as hydraulic, chemical, processing, MRO, HVAC, mining and heavy equipment.

Made from a special compound in our own factory

The **Plugtite** aperture has been designed and engineered to give the plug greater compression than standard solid plugs, ensuring a perfect seal whilst still being able to be cut to size if needed.

- Greater resistance to most oils within the temperature range of -25°C to +90°C
- Does not shrink, leak or discolour
- Resistant to sunlight for greater shelf life; does not split/crack or deteriorate
- Easy to use; insert, squeeze, press home and release
- The compressed rubber ensures a tight fit

Other Members of the Plugtite Family

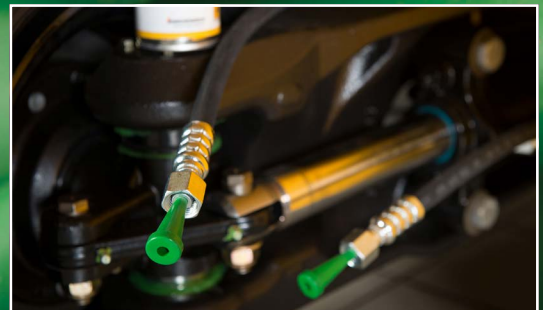
Plugtite - Hygiene FDA Approved

This plug is specifically produced for use in the food and beverage processing industry.

The use of the plugs helps to ensure that sensitive working areas are kept free of contamination from oils and other fluids by preventing leakage when cleaning and servicing machinery and equipment.

Plugtite - Heat Resistant

For use in operations such as electrostatic lines, die casting, etc, where high heat resistance is a requirement.



3 Standard Apertures

Plugtite Small 2mm to 14mm

Plugtite Medium 6mm to 24mm

Plugtite Large 15mm to 45mm




The new generation of service and maintenance plugs

SERVICE PLUGS

Spill Prevention

- Stop contamination
- Plugtite products are used to prevent contamination of all sorts of chemical compounds into the surrounding environment

 **Working Temperature:**
-25°C to +90°C



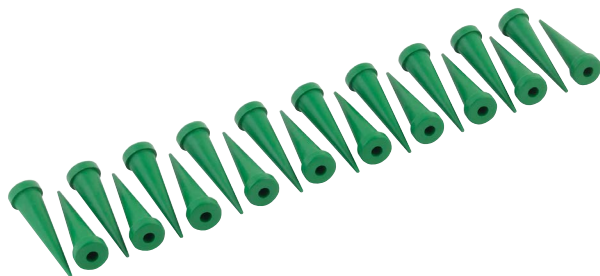
Standard Pack

0709	Size mm	Box Quantity
PLUGTITE-STD-10	6-24	10
Tech Sheet 68083		



XL Pack

0709	Size mm	Box Quantity
PLUGTITE-MAX-4	15-45	4
Tech Sheet 68083		



Micro Pack

0709	Size mm	Box Quantity
PLUGTITE-MINI-20	2-14	20
Tech Sheet 68083		



Mix Pack

0709	Size mm	Box Quantity
PLUGTITE-MIX-9	2-45	9
Tech Sheet 68083		



HYDRAULIC TOOLING & LIFTING EQUIPMENT



- Collar threads and base
- Hard chrome-plated piston plunger protects against corrosion and damage

- Polyurethane U cup seals provide a sure seal and long life
- Solid one-piece alloy steel body

- One-piece aluminium alloy bearing protects against cylinder wall damage
- Dust cap is standard on all cylinders



Maximum Working Pressure:
700 bar

Cylinders



5 Ton General Purpose, Single Acting

Q481	Stroke mm	Min Height mm	Max Height mm
H0503	78	169	247
H0505	129	221	350
H0507	180	272	452
H0509	229	324	552

Tech Sheet 60403



10 Ton General Purpose, Single Acting

Q481	Stroke mm	Min Height mm	Max Height mm
H1001	25	92	117
H1002	51	123	174
H1004	102	174	276
H1006	151	250	401
H1008	202	301	503
H1010	253	352	605
H1012	304	403	707
H1014	356	450	806

Tech Sheet 60403



15 Ton General Purpose, Single Acting

Q481	Stroke mm	Min Height mm	Max Height mm
H1501	25	124	149
H1502	51	149	200
H1504	101	200	301
H1506	152	270	422
H1508	203	321	524
H1510	245	372	626
H1512	305	423	728
H1514	356	474	830

Tech Sheet 60403



25 Ton General Purpose, Single Acting

Q481	Stroke mm	Min Height mm	Max Height mm
H2501	26	143	169
H2502	51	168	219
H2504	102	219	321
H2506	155	272	427
H2508	206	323	529
H2510	257	374	631
H2512	310	426	736
H2514	362	476	838

Tech Sheet 60403



55 Ton General Purpose, Single Acting

Q481	Stroke mm	Min Height mm	Max Height mm
H5502	51	176	227
H5504	103	227	330
H5506	159	283	442
H5510	260	385	645
H5513	337	461	798

Tech Sheet 60403



Maximum Working Pressure:
700 bar

Pumps

- Metal reservoirs resist cracking
- Built-in bypass device protects the hydraulic system from over-pumping damage (US Patent No. 5,946,912)
- Compact yet powerful air turbo motor (US Patent No. 5,341,723)
- Suggested air inlet range: 110-175 psi (7.6-12.1 bar)



Air Pump, Single Acting

0481	Thread	Oil Capacity Litres	Material
PA1500	3/8"	346.4	Aluminium
Tech Sheet 60403			

- Portable, lightweight and compact design
- Universal motor starts under full load
- 3m 24V AC pendant control for safety
- Weighs only 17kg with oil
- External pressure adjustment is available
- Designed for intermittent duty operation
- Gauge port on control valve



Universal Motor Pump

0481	Thread	LPM	HP	Voltage
PU20M4N01B	3/8"	0.46	1	110V AC
Tech Sheet 60406				

- Metal reservoirs resist cracking
- Internal pressure relief valve for overload protection
- Perfect for use with cylinders and hydraulic tools or OEM applications
- Two-speed pumps reduce user fatigue and increase productivity



Single Speed Hand Pump, Single Acting

0481	Thread	Oil Capacity cm ³	Material
P601S	3/8"	600	Steel
Tech Sheet 60403			



Two-speed Hand Pumps, Single Acting

0481	Thread	Oil Capacity cm ³	Material
P350	3/8"	350	Aluminium
P1000	3/8"	1000	Aluminium
Tech Sheet 60403			



Hand Pump, Double Acting

0481	Thread	Oil Capacity cm ³	Material
P2301M	3/8"	2200	Steel
Tech Sheet 60403			



- Stackable magnetic adaptors, various heights
- Eliminates dangerous cribbing

- Convenient carrying case
- US Patent No. 7,237,762 B2



Maximum Working Pressure:
700 bar

Cylinder Kits

Adaptor sizes: 4, 11, 23 and 30mm.



5 Ton Flat Body Cylinder Kit, Single Acting

0481	Stroke mm	Min Height mm	Max Height mm
HF0503B	6	32	38
Tech Sheet 60405			

Adaptor sizes: 10, 20 and 40mm.



10 Ton Flat Body Cylinder Kit, Single Acting

0481	Stroke mm	Min Height mm	Max Height mm
HF1005B	11	43	54
Tech Sheet 60405			

Adaptor sizes: 10, 20 and 40mm.



20 Ton Flat Body Cylinder Kit, Single Acting

0481	Stroke mm	Min Height mm	Max Height mm
HF2005B	11	51	62
Tech Sheet 60405			

Adaptor sizes: 10, 20 and 40mm.



30 Ton Flat Body Cylinder Kit, Single Acting

0481	Stroke mm	Min Height mm	Max Height mm
HF3005B	13	59	72
Tech Sheet 60405			

Adaptor sizes: 10, 20 and 40mm.



50 Ton Flat Body Cylinder Kit, Single Acting

0481	Stroke mm	Min Height mm	Max Height mm
HF5006B	16	67	83
Tech Sheet 60405			

- Compact design for use in small spaces
- Ideal for pushing applications
- Plunger wiper helps seal out dirt and contamination
- Return spring ensures a quick retraction and extends the life of the spring
- Industrial hard chrome-plated plunger helps prevent scratching and corrosion
- Includes stackable 1", 2" and 3" aluminium adaptors that conveniently snap into the base of the plunger
- Includes high flow CH38F coupler and dust cap
- Convenient storage case
- Bolt-on tilt saddles available




10 Ton Low Profile Cylinder Kit

0481	Stroke mm	Min Height mm	Max Height mm
HL-1001-D	38	88	126
Tech Sheet 60404			



Accessories

- Rubber bend restrictors
- High working pressure
- Optimum flexibility
- Lightweight

 **Working Temperature:**
-40°C to +100°C

 **Maximum Working Pressure:**
700 bar



Hose Assembly, Male NPT

0481	Thread	Length Metres
CS3814-1	3/8"	1
CS3814-2	3/8"	2
CS3814-3	3/8"	3
CS3814-4	3/8"	4
CS3814-6	3/8"	6

Tech Sheet 60403



High Flow Quick Release Coupling, NPT

0481	Thread
CH38	3/8"

Tech Sheet 60403

Bottle Jacks

- Easily adjustable extension screw (2-20 tons)
- Removable rubber carry ring for easy storage of pump handle (2-20 tons)
- Safety valve against over-loading
- Supplied with a carry grip (8 tons and over)



Manual

0481	Stroke mm	Min Height mm	Max Height mm
1412000	228	241	469
1420000	226	249	475
1430000	212	268	480
10500	178	305	483
10990	156	305	461

Tech Sheet 60403

Toe Jacks

- Low height
- Heat-treated and chrome-plated medium carbon steel cylinder
- Chrome-plated plunger improves seal life and optimises performance
- By-pass device protects hydraulic system from over-travel damage (US Patented)
- Hydraulic system is protected from internal damage by a patented by-pass mechanism (US Patent No. 5946912)

 **Maximum Working Pressure:**
700 bar



Manual

0481	Stroke mm	Min Height mm	Max Height mm
J13060	130	15	147
J13120	130	23	152
J13200	130	28	160
J13300	130	28	168

Tech Sheet 68802



Spill Absorbents... Perforated for High absorbency

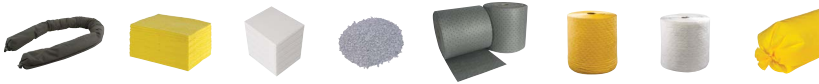
The unique
perforated design
of the dimple roll
allows the material
to be used in the
most efficient way



All 18m dimple rolls supplied in convenient dispenser box
Great space saver



Hy-fitt Spill Absorbents are a superior
range of spill solutions designed for
ultimate versatility and economical usage



Standard
For larger spills



Folded as a boom
For increased absorbency



Tear-off pieces
Use only what you need



**Spill Kits available in
reusable carry bags**

Includes barrier tape, gloves
and safety goggles



SPILL ABSORBENTS & SPILL PREVENTION



Oil Only Heavy-duty Spill Pads

Oil only absorbents are best used outdoors to recover oil-based spills such as petroleum, diesel and solvents.



100 Pads Per Pack

0365	Size	Absorbency Per Pack
HDOP-100	40cm x 50cm	108 Litres

Oil Only Spill Dimple Pads

Oil only absorbents are best used outdoors to recover oil-based spills such as petroleum, diesel and solvents.



200 Pads Per Pack

0365	Size	Absorbency Per Pack
SOP-200	40cm x 50cm	128 Litres

Oil Spill Perforated Dimple Rolls

Oil only absorbents are best used outdoors to recover oil-based spills such as petroleum, diesel and solvents.



2 x 40 Metre Rolls Per Pack

0365	Size	Absorbency Per Pack
OR-2-40	40cm x 40m	113 Litres

Oil Only Folded Perforated Dimple Rolls

Oil only absorbents are best used outdoors to recover oil-based spills such as petroleum, diesel and solvents.



18 Metre Rolls Per Pack

0365	Size	Absorbency Per Pack	Contents
FOR-3-18	11cm x 18m	105 Litres	3
FOR-1-18	11cm x 18m	35 Litres	1

Oil Only Spill Socks

Oil only absorbents are best used outdoors to recover oil-based spills such as petroleum, diesel and solvents.



12 Socks Per Pack

0365	Size	Absorbency Per Pack
SOS-12	7.6cm x 120cm	51 Litres

General Purpose Spill Dimple Pads

As a general rule of thumb, if the spill happens indoors use a general purpose product to absorb both oil and water-based substances.



200 Pads Per Pack

0365	Size	Absorbency Per Pack
SGP-200	40cm x 50cm	128 Litres

General Purpose Spill Perforated Dimple Rolls

As a general rule of thumb, if the spill happens indoors use a general purpose product to absorb both oil and water-based substances.



2 x 40 Metre Rolls Per Pack

0365	Size	Absorbency Per Pack
SGR-2-40	40cm x 40m	153 Litres

General Purpose Spill Folded Perforated Dimple Rolls

As a general rule of thumb, if the spill happens indoors use a general purpose product to absorb both oil and water-based substances.



18 Metre Rolls Per Pack

0365	Size	Absorbency Per Pack	Contents
FGR-3-18	11cm x 18m	105 Litres	3
FGR-1-18	11cm x 18m	35 Litres	1

General Purpose Spill Socks

As a general rule of thumb, if the spill happens indoors use a general purpose product to absorb both oil and water-based substances.



12 Socks Per Pack

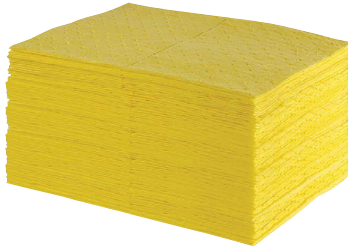
0365	Size	Absorbency Per Pack
SGS-12	7.6cm x 120cm	35 Litres





Chemical Spill Pads

- Suitable for toxic, flammable, corrosive and aggressive liquids
- Fire retardant as per ASTM 726
- Low slip base layer, great for foot traffic



100 Pads Per Pack

0365	Size	Absorbency Per Pack
COP-100	40cm x 50cm	78 Litres
Tech Sheet 67960		

Chemical Spill Perforated Dimple Rolls

- Suitable for toxic, flammable, corrosive and aggressive liquids
- Fire retardant as per ASTM 726
- Low slip base layer, great for foot traffic



2 x 40 Metre Rolls Per Pack

0365	Size	Absorbency Per Pack
CSR-2-40	40cm x 40m	114 Litres

Chemical Spill Socks

- Suitable for small hazardous, toxic or unknown based spills
- Absorbs both oil and water based fluids
- Once saturated, will not become slippery



12 Socks Per Pack

0365	Size	Absorbency Per Pack
CSS-12	8cm x 120cm	39.6 Litres
Tech Sheet 67961		

Loose Absorbents



16kg Bag

0751
CG16

SPILL ABSORBENTS & SPILL PREVENTION



Shoulder Bag Spill Kit

Kit includes:

- 1 x reusable carry bag.
- 50 metres of barrier tape.
- 2 x cable ties.
- 2 x disposal sacks.
- 2 x pairs of disposable Dura-Touch gloves.
- 1 x vented safety goggles.
- 55 x oil only dimple pads.
- 6 x 1.2 metre oil only socks.



Oil Only

0365	Absorbency Per Pack
SOK-50	50 Litres

Kit includes:

- 1 x reusable carry bag.
- 50 metres of barrier tape.
- 2 x cable ties.
- 2 x disposal sacks.
- 2 x pairs of disposable Dura-Touch gloves.
- 1 x vented safety goggles.
- 55 x general purpose dimple pads.
- 6 x 1.2 metre general purpose socks.



General Purpose

0365	Absorbency Per Pack
SGK-50	50 Litres

Carry Bag Spill Kit

Kit includes:

- 1 x reusable carry bag.
- 50 metres of barrier tape.
- 2 x cable ties.
- 2 x disposal sacks.
- 2 x pairs of disposable Dura-Touch gloves.
- 1 x vented safety goggles.
- 30 x oil only dimple pads.
- 4 x 1.2 metre oil only socks.



Oil Only

0365	Absorbency Per Pack
SOK-30	30 Litres

Kit includes:

- 1 x reusable carry bag.
- 50 metres of barrier tape.
- 2 x cable ties.
- 2 x disposal sacks.
- 2 x pairs of disposable Dura-Touch gloves.
- 1 x vented safety goggles.
- 30 x general purpose dimple pads.
- 4 x 1.2 metre general purpose socks.



General Purpose

0365	Absorbency Per Pack
SGK-30	30 Litres

Refill Kit

Kit includes:

- 50 metres of barrier tape.
- 2 x cable ties.
- 2 x disposal sacks.
- 2 x pairs of disposable Dura-Touch gloves.
- 1 x vented safety goggles.
- 55 x oil only dimple pads.
- 6 x 1.2 metre oil only socks.



Oil Only

0365	Absorbency Per Pack
SOK-50-REFILL	50 Litres

Kit Includes:

- 50 metres of barrier tape.
- 2 x cable ties.
- 2 x disposal sacks.
- 2 x pairs of disposable Dura-Touch gloves.
- 1 x vented safety goggles.
- 55 x general purpose dimple pads.
- 6 x 1.2 metre general purpose socks.



General Purpose

0365	Absorbency Per Pack
SGK-50-REFILL	50 Litres

Kit includes:

- 50 metres of barrier tape.
- 2 x cable ties.
- 2 x disposal sacks.
- 2 x pairs of disposable Dura-Touch gloves.
- 1 x vented safety goggles.
- 30 x oil only dimple pads.
- 4 x 1.2 metre oil only socks.



Oil Only

0365	Absorbency Per Pack
SOK-30-REFILL	30 Litres

Kit includes:

- 50 metres of barrier tape.
- 2 x cable ties.
- 2 x disposal sacks.
- 2 x pairs of disposable Dura-Touch gloves.
- 1 x vented safety goggles.
- 30 x general purpose dimple pads.
- 4 x 1.2 metre general purpose socks.



General Purpose

0365	Absorbency Per Pack
SGK-30-REFILL	30 Litres



SPILL ABSORBENTS & SPILL PREVENTION



Trays

Made from 100% polyethylene, these spill trays come with a removable grid and are ideal for ensuring drips and spills are contained correctly.

Applications: Truck and machinery leaks, machine part cleaning, ink solvent storage, battery storage and chemical dosing points.



Bunded Spill Trays

0480	Capacity Litres	Weight Kg	Height mm	Length mm	Width mm	Max Working Load Kg
ST20	22	3.5	175	595	395	55
ST30	31	4.5	170	805	405	55
ST40	43	7	170	800	605	105
ST60	63	10	200	1000	605	205
ST100	104	14	185	1195	795	205

Tech Sheet 67968

Drain Cover

An integral part of any spill response plan, drain covers go hand in hand with spill response kits. They can also be used proactively, to seal off drains prior to deliveries or refuelling taking place, to ensure leaks and spills are kept out of the drainage system.



Magnetic Drain Cover

0480	Height mm	Length mm	Thickness mm
MDC03	600	600	0.9

Tech Sheet 67970

Drum Spill Containment

Manufactured from medium density polyethylene, these pallets comply with the guidelines issued by environment agencies. They are robust, resistant to most chemicals and come with a removable grid.



Bunded Drum Pallets

0480	Capacity Litres	Weight Kg	Height mm	Length mm	Width mm	Max Working Load Kg
BP2-205	240	24	330	1220	820	650
BP4-205	410	40	370	1310	1310	1250

Tech Sheet 67969

Absorbent Dispensing Stations

Ideal for day-to-day housekeeping or responding to minor spills, these polyethylene cabinets are specifically designed for dispensing absorbents. Accepts rolls up to 550mm diameter x 520mm wide.

Weight: 20kg.

Absorbents not included.



Open Front Absorbent Centre, Polyethylene

0480	Size
POLY-STATION	64cm x 58cm x 118cm

Floor standing with single roll holder and workstation cabinet. Welded together to provide a safe and secure fixing.

Weight: 29kg.

Absorbents not included.



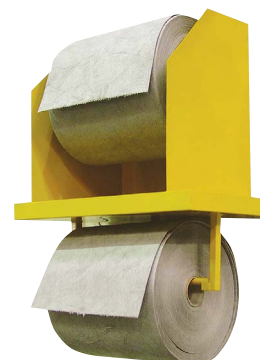
Combined Absorbent Centre, Steel

0480	Size
WSHOP-STATION	66cm x 42cm x 150.5cm

Twin wall mounted absorbent roll holders.

Weight: 10.5kg.

Absorbents not included.



Wall Mountable Twin Roll Holder, Steel

0480	Size
WALL-STATION	66cm x 42cm x 89cm

HYDRAULIC OILS

ISO 32 Hydraulic Oil

Quality mineral hydraulic oil with good anti-wear performance, oxidation resistance, corrosion protection, low pour, air release and anti-foam properties.
Conforms to DIN 51524 11.



25 Litre Drum

0026	Volume Litres
2020-0333	25
Tech Sheet 544	

ISO 46 Hydraulic Oil

Hydraulic oil 46 is blended to ISO 46 viscosity grade requirements and is suitable for use in a wide range of mobile and static hydraulic equipment.
Benefits include: Excellent anti-wear, anti-corrosion, anti-rust performance, low air retention/air entrainment, low foaming and good thermal stability and resistance to oxidation.
Conforms to DIN 51524, Part 2 (HLP).



25 Litre Drum

0026	Volume Litres
ISO 46	25
Tech Sheet 10318	

10W Hydraulic Oil

Hydraulic Oil 10W is a high performance hydraulic oil formulated from solvent refined paraffinic base oils and high performance additives designed to meet a wide range of heavy-duty hydraulic equipment requirements.
Benefits include: Good deposit control, good anti-sludge and varnish resistance, excellent anti-wear and corrosion protection. Oxidation stability, dispersant/detergent properties and wide temperature range. High viscosity index promotes high oil pressure.
Conforms to API: SF/CD and MIL-L-2104C.



25 Litre Drum

0026	Volume Litres
10W OIL	25
Tech Sheet 3147	

ATF Dexron II

ATF Dexron II is a high performance multi-application fluid. The high viscosity index and low pour point makes this product ideal for use in hydraulic systems and power steering.
Conforms to GM Dexron II D and GM 6137-M.



25 Litre Drum

0026	Volume Litres
ATF II	25
Tech Sheet 3148	



TECHNICAL INFORMATION

How to identify BSPP & BSPT threads

British Standard Pipe (BSP) is a family of technical standards for threads that has been adopted internationally for interconnecting hoses and fittings by mating an external (male) thread with an internal (female) thread. British Standard Pipe threads are similar in function to NPT threads, but are generally not interchangeable.

There are two types of BSP threads:

- British Standard Pipe Taper (BSPT)
- British Standard Pipe Parallel (BSPP)

BSPT Pipe Threads can be combined into two types of joints:

1. **Jointing Threads:** These are pipe threads where pressure-tightness is made through the mating of two threads together. They always use a taper male thread but can have either parallel or taper female threads. (International standards require all female threads to be parallel.)
2. **Long Screw threads:** These are parallel pipe threads used where a pressure-tight joint is achieved by the compression of a soft material (such as an o-ring seal or a washer) between the end face of the male thread and a socket or nipple face, with the tightening of a back nut.

BSPT & BSPP Size & Pitch	Dash Size	BSPT Male Thread OD		BSPP Male Thread OD		BSPT Female Thread ID		BSPP Female Thread ID	
		mm	inch	mm	inch	mm	inch	mm	inch
1/8 – 28	-02	9,5	0.37	9,6	0.38	8,4	0.33	8,6	0.34
1/4 – 19	-04	12,8	0.50	13,0	0.51	11,2	0.44	11,9	0.47
3/8 – 19	-06	16,3	0.64	16,5	0.65	14,7	0.59	15,2	0.60
1/2 – 14	-08	20,4	0.80	20,8	0.82	18,3	0.72	19,1	0.75
5/8 – 14	-10	22,5	0.89	22,8	0.90	20,6	0.81	20,8	0.82
3/4 – 14	-12	25,9	1.02	26,3	1.04	23,9	0.94	24,6	0.97
1 – 11	-16	32,6	1.28	33,1	1.30	29,7	1.17	30,7	1.21
1.1/4 – 11	-20	41,1	1.62	41,8	1.64	38,6	1.52	39,4	1.55
1.1/2 – 11	-24	47,0	1.85	47,7	1.88	44,5	1.75	45,5	1.79
2 – 11	-32	58,6	2.31	59,5	2.34	56,4	2.22	57,4	2.26
2.1/2 – 11	-40	74,1	2.92	75,1	2.95	71,9	2.83	72,6	2.86
3 – 11	-48	86,6	3.41	87,9	3.46	84,6	3.33	85,4	3.36

Thread size refers to the nominal bore of the pipe. Subtract approx. 1/4" (6mm) from thread diameter measurement for nominal pipe size.

Pitch is Threads Per Inch (TPI). "Gas", "R" & "G" also refer to BSP. "Male Iron (Pipe)" may be BSP or NPT.

How to identify NPT & NPS threads

National Pipe Thread (NPT) is a family of technical standards for threads that has been adopted internationally for interconnecting hoses and fittings by mating an external (male) thread with an internal (female) thread.

National Pipe Threads are similar in function to BSP threads, but are not generally interchangeable. They include both tapered and straight thread series for various purposes including rigidity, pressure-tight sealing, or both. The various types include NPT, NPS, NPTF and NPSM.

NPT Thread Size & Pitch	Dash Size	Male Thread Minor OD		Female Thread ID		NPSM Thread Size	Dash Size	Female Thread ID	
		mm	inch	mm	inch			mm	inch
1/8 – 27	-02	9,9	0.39	8,4	0.33	1/8 – 27	-02	8,6	0.34
1/4 – 18	-04	13,2	0.52	11,2	0.44	1/4 – 18	-04	11,9	0.47
3/8 – 18	-06	16,6	0.65	14,7	0.58	3/8 – 18	-06	15,0	0.59
1/2 – 14	-08	20,6	0.81	17,8	0.70	1/2 – 14	-08	19,1	0.75
3/4 – 14	-12	26,0	1.02	23,4	0.92	3/4 – 14	-12	24,6	0.97
1 – 11.1/2	-16	32,5	1.28	29,5	1.16	1 – 11.1/2	-16	30,5	1.20
1.1/4 – 11.1/2	-20	41,2	1.62	38,1	1.50	1.1/4 – 11.1/2	-20	39,4	1.55
1.1/2 – 11.1/2	-24	47,3	1.86	43,9	1.73	1.1/2 – 11.1/2	-24	45,5	1.79
2 – 11.1/2	-32	59,3	2.33	56,4	2.22	2 – 11.1/2	-32	57,4	2.26
2.1/2 – 8	-40	71,5	2.82	69,1	2.72	2.1/2 – 8	-40	68,8	2.71
3 – 8	-48	87,3	3.44	84,8	3.34	3 – 8	-48	84,6	3.33
3 – 11	-48	86,6	3.41	87,9	3.46	3 – 11	-48	87,9	3.46

Thread size refers to the nominal bore of the pipe.

Subtract approximately 1/4" (6 mm) from thread measurement for nominal pipe size.

Pitch is Threads Per Inch (TPI).

How to Identify JIC & UNO threads

JIC stands for Joint Industries Council and is also known as Whitworth 55° thread form.

UN stands for Unified National or SAE J1926, ISO 11926-2

JIC Thread is normally used for flared pipework and is very common on mobile machines and American machines due to its metal to metal sealing capabilities. The male fitting have a 37° external flare which seals against a convex flare of 37° of the steel tubing or hose fitting.

UN Thread is normally found in manifolds where the fitting has a recess for a rubber O-Ring seal. This option is mainly on mobile machines and American equipment. The UNO threads have a flat bottom and a collar on the Hex to allow for an O-Ring seal to be fitted in place to stop leaks.

Male Thread OD & Pitch	Dash Size	Male Thread OD		Female Thread ID		Tube Size
		mm	inch	mm	inch	
5/16 – 24 UNF	-05	7,9	0.31	6,9	0.27	1/8
3/8 – 24 UNF	-06	9,5	0.38	8,5	0.33	3/16
7/16 – 20 UNF	-07	11,1	0.44	9,9	0.39	1/4
1/2 – 20 UNF	-08	12,7	0.50	11,4	0.45	5/16
9/16 – 18 UNF	-09	14,3	0.56	13,0	0.51	3/8
3/4 – 16 UNF	-12	19,1	0.75	17,5	0.69	1/2
7/8 – 14 UNF	-14	22,2	0.88	20,3	0.80	5/8
1.1/16 – 12 UN	-17	27,0	1.06	24,9	0.98	3/4
1.3/16 – 12 UN	-19	30,2	1.19	28,2	1.11	7/8
1.5/16 – 12 UN	-21	33,3	1.31	31,2	1.23	1
1.5/8 – 12 UN	-26	41,3	1.63	39,1	1.54	1.1/4
1.7/8 – 12 UN	-30	47,6	1.88	45,5	1.79	1.1/2
2.1/2 – 12 UN	-40	63,5	2.50	61,5	2.42	2

Thread size is actual measurement of male thread and pitch is Threads Per Inch (TPI).