

# Metallic conduit systems

## Quick selection guide



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Conduit Type	Type S	Type SS	Type SP	Type SN	Type LFH-SP	Type SPL	Type LFH-SPL	Type SPL-EF	Type SPLHC	Type SPUL
Part number	S	SS	SP	SN	LFH-SP	SPL	LFH-SPL	SPL-EF <b>NEW</b>	SPLHC	SPUL
Conduit material	Galvanised steel	Stainless steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel
Covering/overbraid	–	–	PVC	PA (Nylon)	Polyolefin	PVC	Low fire hazard jacket	Thermoplastic jacket	Thermoplastic rubber	PVC

### Conduit colour

Black (BL)	–	–	•	•	•	•	•	•	•	–
Grey (GR)	–	–	•	–	–	•	–	–	–	•

### IP Rating (with appropriate fitting)

IP40	•	•	–	–	–	–	–	–	–	–
IP54	–	–	•	•	•	–	–	–	–	–
IP65	–	–	•	•	•	–	–	–	–	–
IP66	–	–	–	–	–	•	•	•	•	•
IP67	–	–	–	–	–	•	•	•	•	•
IP68	–	–	–	–	–	•	•	•	•	•
IP69k	–	–	–	–	–	•	•	•	•	•

### Characteristics

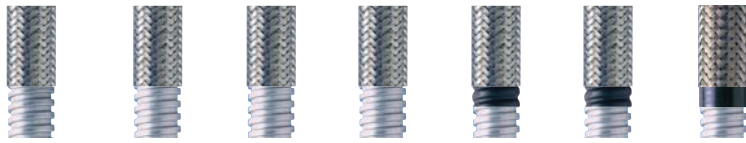
#### Temperature Range

Static applications (°C)	-50 to +300	-50 to +350	-25 to +70	-25 to +90	-25 to +90	-20 to +105	-20 to +90	-40 to +105	-65 to +135	-20 to +75
Moving applications (°C)	-45 to +250	-45 to +250	-5 to +90	-5 to +105	-5 to +105	-5 to +105	-5 to +105	-30 to +105	-45 to +150	-5 to +105
UV resistance	Very high	Very high	Very high	High	High	Very high	High	Very high	Very high	High
Flexibility	High	High	High	Medium	High	Medium	Medium	Very high	Very high	Medium
Fatigue life	High	High	Medium	Medium	Medium	Medium	Medium	High	High	Medium
Low fire hazard	Inherent	Inherent	–	–	Enhanced	–	Enhanced	Enhanced	–	–
Halogen free	•	•	–	•	•	–	•	•	•	–
Self extinguishing	–	–	•	•	•	•	•	•	•	•
EMI screen	–	–	–	–	–	–	–	–	–	–
High mechanical strength	•	•	•	•	•	•	•	•	•	•
High abrasion resistance	–	•	–	–	–	–	–	–	–	–

### Approvals

BSI Kitemark	•	•	•	•	•	•	•	•	•	•
CE	•	•	•	•	•	•	•	•	•	•
UL / CSA	–	–	–	–	–	–	–	–	–	•
UR	–	–	–	–	–	•	–	–	–	–
DB	–	–	–	–	–	–	–	–	–	–
NF F	–	–	–	–	•	–	•	–	–	–
Lloyds Register	–	–	–	–	•	•	–	–	–	–
LUL 1-085	–	–	–	–	•	–	•	–	–	–
UNI CEI 11170	–	–	–	–	–	–	–	–	–	–
EN45545-2 to HL3	–	–	–	–	–	–	•	•	–	–

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Type SB	Type STC	Type SSB	Type SSBGS	Type SPB	Type SPTC	Type SPLHCB
SB	STC	SSB	SSBGS	SPB	SPTC	SPLHCB
Galvanised steel	Galvanised steel	Stainless steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel
Galvanised steel	Tinned copper	Stainless steel	Stainless steel	PVC & Galvanised steel	PVC & tinned copper	Thermoplastic rubber & stainless steel
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-50 to +300	-50 to +300	-50 to +300	-50 to +300	-15 to +70	-15 to +70	-65 to +135
-45 to +250	-45 to +250	-45 to +250	-45 to +250	-5 to +90	-5 to +90	-45 to +150
Very high	Very high	Very high	Very high	Very high	Very high	Very high
High	High	High	High	High	High	High
High	High	High	High	Medium	Medium	Medium
Inherent	Inherent	Inherent	Inherent	-	-	-
•	•	•	•	-	-	•
-	-	-	-	•	•	•
Enhanced	High	Standard	Standard	Enhanced	High	Standard
•	•	•	•	•	•	•
•	•	•	•	•	•	•
•	•	•	•	•	•	-
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# Metallic conduit systems

## Introduction

### Range overview

Adaptaflex have a wide selection of metallic conduits and metallic conduit systems manufactured either in galvanized steel or stainless steel.

A wide range of different conduit types provide a solution for liquid resistant specifications, with further conduit options in liquid tight covered steel conduit for especially demanding environments. Conduit ranges are offered in nominal conduit size from 3mm for CCTV/roller shutter doors and for protecting fibre optics cables right up to 75mm for larger cable carrying capacity.

Overbraided conduits are particularly suitable for installation in abrasive environments. Where applications call for enhanced low fire hazard properties or EMI screening then there is the option of high specification tinned copper overbraided for greater EMI protection levels.

In addition a range of fittings are specifically designed to maintain system integrity including fixed and swivel fittings, straights, 90°, 45°, and a host of accessories including locknuts, enlargers, reducers and converters.



Many of our conduit systems have industry recognised approvals including British Kitemark, CE Approval, UL 1696, NF, LUL, DB, Lloyd's Register amongst others.

Advantages:

- High compression/crush strength
- Tensile strength - pull off load under tension
- Impact resistance
- Inherent fire protection on uncoated versions
- Corrosion resistant - stainless steel options
- Braided - High level EMI screening with tinned copper overbraided



# Metallic conduit systems

## Type S & SS - Adaptasteel



Type S  
Inherent Low Fire Hazard  
Steel Conduit

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### Type S - Adaptasteel

Inherent Low Fire Hazard Steel Conduit / **Materials:** Galvanised Steel - General Purpose

Part No.	Nominal Conduit Size	Outside Diameter	Inside Diameter	Min. Bend Radius	Reel Length
S10	10mm	9.1mm	7.0mm	25mm	25, 50m
S12	12mm	13.0mm	10.3mm	30mm	10, 25, 50m
S16	16mm	16.0mm	13.0mm	35mm	10, 25, 50m
S20	20mm	20.5mm	16.9mm	45mm	10, 25, 50m
S25	25mm	25.0mm	21.4mm	55mm	10, 25, 50m
S32	32mm	32.0mm	28.1mm	60mm	10, 25m
S40	40mm	42.5mm	37.7mm	80mm	10, 25m
S50	50mm	53.0mm	48.4mm	90mm	10, 25m
S63	63mm	62.5mm	57.5mm	115mm	10m
S75	75mm	77.0mm	70.0mm	150mm	10m

To order quote part no, & reel length, e.g. S12/25M

#### Approvals



IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type S		Static Applications: -50°C to +300°C	Very High
IP40	Type S - Type A, B, F & C	Moving Applications: -45°C to +250°C	
IP65	N/A	<b>Flexibility &amp; Fatigue Life</b>	
IP66	N/A	High Flexibility - High Fatigue Life	
IP67	N/A	<b>Fire Performance &amp; EMI Screen</b>	
IP68	N/A		
IP69K	N/A		



Type SS  
Inherent Low Fire Hazard  
Stainless Steel Conduit

### Type SS - Adaptasteel

Inherent Low Fire Hazard Steel Conduit / **Materials:** Stainless Steel 316 - Corrosion Resistant

Part No.	Nominal Conduit Size	Outside Diameter	Inside Diameter	Min. Bend Radius	Reel Length
SS10	10mm	9.0mm	6.8mm	25mm	25, 50m
SS12	12mm	13.0mm	10.3mm	30mm	25, 50m
SS16	16mm	16.0mm	13mm	35mm	10, 25, 50m
SS20	20mm	20.5mm	16.9mm	45mm	10, 25, 50m
SS25	25mm	25.0mm	21.4mm	55mm	10, 25, 50m
SS32	32mm	32.0mm	28.1mm	60mm	10, 25m

To order quote part no, & reel length, e.g. SS12/25M

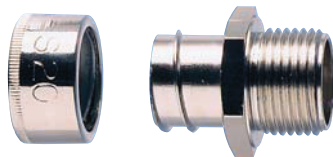
#### Approvals



IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type S		Static Applications: -50°C to +350°C	Very High
IP40	Type S - Type A, B, F & C	Moving Applications: -45°C to +250°C	
IP65	N/A	<b>Flexibility &amp; Fatigue Life</b>	
IP66	N/A	High Flexibility - High Fatigue Life	
IP67	N/A	<b>Fire Performance &amp; EMI Screen</b>	
IP68	N/A		
IP69K	N/A		

# Metallic conduit systems

## Type A & B - Adaptasteel



Type A  
Straight Fitting

### Type A - Adaptasteel

**Straight Fitting - Fixed External Male Thread** / For insertion into knockouts using a locknut (order locknut separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Metric Thread	Part No.	Nominal Conduit Size	PG Thread
S10/M12/A	10mm	M12	S10/PG7/A	10mm	PG7
S12/M16/A	12mm	M16	S12/PG9/A	12mm	PG9
S16/M16/A	16mm	M16	S16/PG11/A	16mm	PG11
S16/M20/A	16mm	M20			
S20/M20/A	20mm	M20	S20/PG16/A	20mm	PG16
S25/M25/A	25mm	M25	S25/PG21/A	25mm	PG21
S32/M32/A	32mm	M32	S32/PG29/A	32mm	PG29
S40/M40/A	40mm	M40	S40/PG36/A	40mm	PG36
S50/M50/A	50mm	M50	S50/PG42/A	50mm	PG42
S63/M63/A	63mm	M63	S63/PG48/A	63mm	PG48
S75/M75/A	75mm	M75			

#### Approvals



#### IP Rating

#### Appropriate Conduit

**For use with:** Type S / SS

IP40	Yes
IP65	N/A
IP66	N/A
IP67	N/A
IP68	N/A
IP69K	N/A

#### Temperature Range

Static Applications: -50°C to +300°C  
Moving Applications: -45°C to +250°C



Type B  
Straight Fitting

### Type B - Adaptasteel

**Straight Fitting - Swivel External Male Thread** / For insertion into threaded entries & knockouts using a locknut (order locknut separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Metric Thread	Part No.	Nominal Conduit Size	PG Thread
S10/M12/B	10mm	M12	S10/PG7/B	10mm	PG7
S12/M16/B	12mm	M16	S12/PG9/B	12mm	PG9
S16/M16/B	16mm	M16	S16/PG11/B	16mm	PG11
S16/M20/B	16mm	M20			
S20/M20/B	20mm	M20	S20/PG16/B	20mm	PG16
S25/M25/B	25mm	M25	S25/PG21/B	25mm	PG21
S32/M32/B	32mm	M32	S32/PG29/B	32mm	PG29
S40/M40/B	40mm	M40	S40/PG36/B	40mm	PG36
S50/M50/B	50mm	M50	S50/PG42/B	50mm	PG42

#### Approvals



#### IP Rating

#### Appropriate Conduit

**For use with:** Type S / SS

IP40	Yes
IP65	N/A
IP66	N/A
IP67	N/A
IP68	N/A
IP69K	N/A

#### Temperature Range

Static Applications: -50°C to +300°C  
Moving Applications: -45°C to +250°C

#### Fitting Characteristics



# Metallic conduit systems

## Type F & C - Adaptasteel



Type F  
Straight Fitting

### Type F - Adaptasteel

**Straight Fitting - Fixed Internal Female Thread** / For attaching to external threads & other fittings

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Metric Thread
S20/M20/F	20mm	M20
S25/M25/F	25mm	M25
S32/M32/F	32mm	M32

#### Approvals



IP Rating	Appropriate Conduit	Temperature Range
<b>For use with:</b> Type S / SS		Static Applications: -50°C to +300°C
IP40	Yes	Moving Applications: -45°C to +250°C
IP65	N/A	
IP66	N/A	
IP67	N/A	
IP68	N/A	
IP69K	N/A	



Type C  
Smooth Entry Bush

### Type C - Adaptasteel

**Smooth Entry Bush** / For locking conduit into plain holes in enclosures

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Hole Size
S10/9/C	10mm	9mm
S12/12/C	12mm	12mm
S16/16/C	16mm	16mm
S20/20/C	20mm	20mm
S25/25/C	25mm	25mm
S32/32/C	32mm	32mm
S40/40/C	40mm	40mm
S50/51/C	50mm	51mm
S63/61/C	63mm	61mm
S75/75/C	75mm	75mm

#### Approvals



IP Rating	Appropriate Conduit	Temperature Range
<b>For use with:</b> Type S / SS		Static Applications: -50°C to +300°C
IP40	Yes	Moving Applications: -45°C to +250°C
IP65	N/A	
IP66	N/A	
IP67	N/A	
IP68	N/A	
IP69K	N/A	

# Metallic conduit systems

## Type SP & SN - Adaptasteel



Type SP  
Liquid Resistant General Purpose  
Covered Steel Flexible Conduit

### Type SP - Adaptasteel

#### Liquid Resistant General Purpose Covered Steel Flexible Conduit

**Materials:** PVC Covered Galvanised Steel / **Colour:** Black (BL), Grey (GR), Orange (OR)

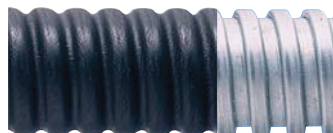
Part No.	Nominal Conduit Size	Outside Diameter	Inside Diameter	Min. Bend Radius	Reel Length
SP10	10mm	10.0mm	6.8mm	25mm	25, 50m
SP12	12mm	14.0mm	10.3mm	30mm	25, 50m
SP16	16mm	17.0mm	13.0mm	35mm	10, 25, 50m
SP20	20mm	21.5mm	16.9mm	45mm	10, 25, 50m
SP25	25mm	26.0mm	21.4mm	55mm	10, 25, 50m
SP32	32mm	34.0mm	28.1mm	60mm	10, 25m
SP40	40mm	44.5mm	37.7mm	80mm	10, 25m
SP50	50mm	55.0mm	48.4mm	90mm	10, 25m
SP63	63mm	64.5mm	57.5mm	115mm	10m
SP75	75mm	79.0mm	70.0mm	150mm	10m

To order quote part no, colour & reel length, e.g. SP12/BL/25M

#### Approvals



IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type SP		Static Applications: -25°C to +70°C	Very High
IP40	Type SP - Type A, B, C, E & F	Moving Applications: -5°C to +90°C	
IP65	Type SP - Type M & C90	<b>Flexibility &amp; Fatigue Life</b>	
IP66	N/A	High Flexibility - Medium Fatigue Life	
IP67	N/A	<b>Fire Performance &amp; EMI Screen</b>	
IP68	N/A	Self Extinguishing	
IP69K	N/A		



Type SN  
Liquid Resistant Abrasion  
& Solvent Resistant Covered  
Steel Flexible Conduit

### Type SN - Adaptasteel

#### Liquid Resistant Abrasion & Solvent Resistant Covered Steel Flexible Conduit

**Materials:** PA (Nylon) Covered Galvanised Steel / **Colour:** Black (BL) Only

Part No.	Nominal Conduit Size	Outside Diameter	Inside Diameter	Min. Bend Radius	Reel Length
SN12	12mm	14.0mm	10.3mm	30mm	25, 50m
SN16	16mm	17.0mm	13.0mm	35mm	25, 50m
SN20	20mm	21.5mm	16.9mm	45mm	25, 50m
SN25	25mm	26.0mm	21.4mm	55mm	25, 50m
SN32	32mm	34.0mm	28.1mm	60mm	25m

To order quote part no, colour & reel length, e.g. SN12/BL/25M

#### Approvals



IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type SP		Static Applications: -40°C to +120°C	High
IP40	Type SP - Type A, B, C, E & F	Moving Applications: -25°C to +150°C	
IP65	Type SP - Type M & C90	<b>Flexibility &amp; Fatigue Life</b>	
IP66	N/A	Medium Flexibility - Medium Fatigue Life	
IP67	N/A	<b>Fire Performance &amp; EMI Screen</b>	
IP68	N/A	Self Extinguishing	
IP69K	N/A	Halogen Free	



# Metallic conduit systems

## Type LFH-SP & A - Adaptasteel



Type LFH-SP  
Liquid Resistant Enhanced  
Low Fire Hazard Covered  
Steel Flexible Conduit

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### Type LFH-SP - Adaptasteel

#### Liquid Resistant Enhanced Low Fire Hazard Covered Steel Flexible Conduit

**Materials:** Polyolefin Covered Galvanised Steel / **Colour:** Black (BL) Only

Part No.	Nominal Conduit Size	Outside Diameter	Inside Diameter	Min. Bend Radius	Reel Length
LFH-SP12	12mm	14.0mm	10.3mm	30mm	25, 50m
LFH-SP16	16mm	17.0mm	13.0mm	35mm	10, 25, 50m
LFH-SP20	20mm	21.5mm	16.9mm	45mm	10, 25, 50m
LFH-SP25	25mm	26.0mm	21.4mm	55mm	10, 25, 50m
LFH-SP32	32mm	34.0mm	28.1mm	60mm	10, 25m
LFH-SP40	40mm	44.5mm	37.7mm	80mm	10, 25m
LFH-SP50	50mm	55.0mm	48.4mm	90mm	10, 25m
LFH-SP63	63mm	64.5mm	57.5mm	115mm	10m
LFH-SP75	75mm	79.0mm	70.0mm	150mm	10m

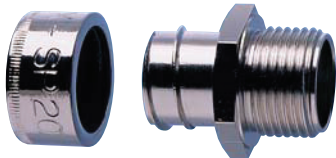
To order quote part number, colour & reel length, e.g. LFH-SP16/BL/50M

#### Approvals



EN45545-2 HL3 - R22 & R23

IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type SP		Static Applications: -25°C to +90°C	High
IP54	Type SP - Type A, B, C, E & F	Moving Applications: -5°C to +105°C	<b>Flexibility &amp; Fatigue Life</b> Medium Flexibility - Medium Fatigue Life  <b>Fire Performance &amp; EMI Screen</b> Self Extinguishing Halogen Free
IP65	Type SP - Type M & C90		
IP66	N/A		
IP67	N/A		
IP68	N/A		
IP69K	N/A		



Type A  
Straight Fitting

### Type A - Adaptasteel

**Straight Fitting - Fixed External Male Thread** / For insertion into knockouts using a locknut (order locknut separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Metric Thread	Part No.	Nominal Conduit Size	PG Thread
SP10/M12/A	10mm	M12	SP10/PG7/A	10mm	PG7
SP12/M16/A	12mm	M16	SP12/PG9/A	12mm	PG9
SP16/M16/A	16mm	M16			
SP16/M20/A	16mm	M20	SP16/PG11/A	16mm	PG11
SP20/M20/A	20mm	M20	SP20/PG16/A	20mm	PG16
SP25/M25/A	25mm	M25	SP25/PG21/A	25mm	PG21
SP32/M32/A	32mm	M32	SP32/PG29/A	32mm	PG29
SP40/M40/A	40mm	M40	SP40/PG36/A	40mm	PG36
SP50/M50/A	50mm	M50	SP50/PG42/A	50mm	PG42
SP63/M63/A	63mm	M63	SP63/PG48/A	63mm	PG48
SP75/M75/A	75mm	M75			

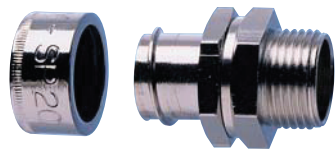
#### Approvals



IP Rating	Appropriate Conduit	Temperature Range
<b>For use with:</b> Type SP / SN / LFH-SP		Static Applications: -50°C to +300°C
IP54	Yes	Moving Applications: -45°C to +250°C
IP65	N/A	
IP66	N/A	
IP67	N/A	
IP68	N/A	
IP69K	N/A	

# Metallic conduit systems

## Type B & C90 - Adaptasteel



Type B  
Straight Fitting

### Type B - Adaptasteel

**Straight Fitting - Swivel External Thread** / For insertion into threaded entries & knockouts using a locknut (order locknut separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Metric Thread	Part No.	Nominal Conduit Size	PG Thread
SP10/M12/B	10mm	M12	SP10/PG7/B	10mm	PG7
SP12/M16/B	12mm	M16	SP12/PG9/B	12mm	PG9
SP16/M16/B	16mm	M16	SP16/PG11/B	16mm	PG11
SP16/M20/B	16mm	M20			
SP20/M20/B	20mm	M20	SP20/PG16/B	20mm	PG16
SP25/M25/B	25mm	M25	SP25/PG21/B	25mm	PG21
SP32/M32/B	32mm	M32	SP32/PG29/B	32mm	PG29
SP40/M40/B	40mm	M40	SP40/PG36/B	40mm	PG36
SP50/M50/B	50mm	M50	SP50/PG42/B	50mm	PG42

#### Approvals



#### IP Rating

#### Appropriate Conduit

**For use with:** Type SP / SN / LFH-SP

IP54	Yes
IP65	N/A
IP66	N/A
IP67	N/A
IP68	N/A
IP69K	N/A

#### Temperature Range

Static Applications: -50°C to +300°C

Moving Applications: -45°C to +250°C

#### Fitting Characteristics



Type C90  
90° Combined Fitting & Elbow

### Type C90 - Adaptasteel

**90° Combined Fitting & Elbow** / For insertion into threaded entries & knockouts using a locknut (order locknut separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Metric Thread
SP16/M16/C90	16mm	M16
SP16/M20/C90	16mm	M20
SP20/M20/C90	20mm	M20
SP25/M25/C90	25mm	M25
SP32/M32/C90	32mm	M32

#### Approvals



#### IP Rating

#### Appropriate Conduit

**For use with:** Type SP / SN / LFH-SP

IP54	N/A
IP65	Yes
IP66	N/A
IP67	N/A
IP68	N/A
IP69K	N/A

#### Temperature Range

Static Applications: -50°C to +300°C

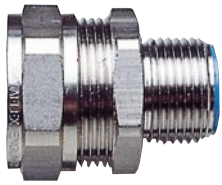
Moving Applications: -45°C to +250°C

#### Fitting Characteristics



# Metallic conduit systems

## Type M & F - Adaptasteel



3

Type M  
Straight Swivel Fitting

### Type M - Adaptasteel

**Straight Swivel Fitting - External Male Thread** / For insertion into threaded entries & knockouts using a locknut (order locknut separately)


**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Metric Thread	Part No.	Nominal Conduit Size	PG Thread
SP12/M16/M	12mm	M16	SP12/PG9/M	12mm	PG9
SP16/M16/M	16mm	M16	SP16/PG11/M	16mm	PG11
SP16/M20/M	16mm	M20	SP16/PG13/M	16mm	PG13,5
SP20/M20/M	20mm	M20	SP20/PG16/M	20mm	PG16
SP25/M25/M	25mm	M25	SP25/PG21/M	25mm	PG21
SP32/M32/M	32mm	M32	SP32/PG29/M	32mm	PG29
SP40/M40/M	40mm	M40			
SP50/M50/M	50mm	M50			

Part No.	Nominal Conduit Size	NPT Thread
SP16/038/M	16mm	3/8"
SP20/050/M	20mm	1/2"
SP25/075/M	25mm	3/4"
SP32/100/M	32mm	1"

#### Approvals



IP Rating	Appropriate Conduit	Temperature Range
<b>For use with:</b> Type SP / SN / LFH-SP		Static Applications: -50°C to +150°C Moving Applications: -45°C to +150°C
IP54	N/A	<b>Fitting Characteristics</b> 
IP65	Yes	
IP66	N/A	
IP67	N/A	
IP68	N/A	
IP69K	N/A	



Type F  
Straight Fitting

### Type F - Adaptasteel


**Straight Fitting - Fixed Internal Female Thread** / For external threads and other fittings

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Metric Thread
SP20/M20/F	20mm	M20
SP25/M25/F	25mm	M25
SP32/M32/F	32mm	M32

#### Approvals



IP Rating	Appropriate Conduit	Temperature Range
<b>For use with:</b> Type SP / SN / LFH-SP		Static Applications: -50°C to +300°C Moving Applications: -45°C to +250°C
IP54	Yes	<b>Fitting Characteristics</b> 
IP65	N/A	
IP66	N/A	
IP67	N/A	
IP68	N/A	
IP69K	N/A	

# Metallic conduit systems

## Type C & E - Adaptasteel



Type C  
Smooth Entry Bush

### Type C - Adaptasteel

**Smooth Entry Bush** / For locking conduit into plain holes in enclosures

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Hole Size
SP10/9/C	10mm	9mm
SP12/12/C	12mm	12mm
SP16/16/C	16mm	16mm
SP20/20/C	20mm	20mm
SP25/25/C	25mm	25mm
SP32/32/C	32mm	32mm
SP40/40/C	40mm	40mm
SP50/51/C	50mm	51mm
SP63/61/C	63mm	61mm
SP75/75/C	75mm	75mm

#### Approvals



IP Rating	Appropriate Conduit	Temperature Range
<b>For use with:</b> Type SP / SN / LFH-SP		
IP54	Yes	Static Applications: -50°C to +300°C Moving Applications: -45°C to +250°C
IP65	N/A	
IP66	N/A	
IP67	N/A	
IP68	N/A	
IP69K	N/A	



Type E  
Conduit Terminator

### Type E - Adaptasteel

**Conduit Terminator** / Cable Protection at exit point

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size
SP12/E	12mm
SP16/E	16mm
SP20/E	20mm
SP25/E	25mm
SP32/E	32mm
SP40/E	40mm
SP50/E	50mm

#### Approvals



IP Rating	Appropriate Conduit	Temperature Range
<b>For use with:</b> Type SP / SN / LFH-SP		
IP54	Yes	Static Applications: -50°C to +300°C Moving Applications: -45°C to +250°C
IP65	N/A	
IP66	N/A	
IP67	N/A	
IP68	N/A	
IP69K	N/A	

# Metallic conduit systems

## Type SPL & LFH-SPL - Adaptasteel



Type SPL  
Liquid Tight Oil Resistant  
Covered Steel Flexible Conduit

### Type SPL - Adaptasteel

#### Liquid Tight Oil Resistant Covered Steel Flexible Conduit

**Materials:** PVC Covered Galvanised Steel / **Colour:** Black (BL), Grey (GR), Orange (OR)

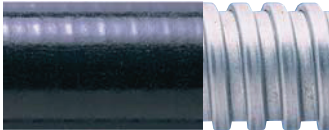
Part No.	Nominal Conduit Size	Outside Diameter	US Conduit Size	Inside Diameter	Min. Bend Radius	Reel Length
SPL10	10mm	11.8mm	1/4"	7.0mm	40mm	10, 25, 50m
SPL12	12mm	14.2mm	5/16"	10.0mm	45mm	10, 25, 50m
SPL16	16mm	17.8mm	3/8"	12.5mm	50mm	10, 25, 50m
SPL20	20mm	21.1mm	1/2"	15.9mm	80mm	10, 25, 50m
SPL25	25mm	26.4mm	3/4"	21.0mm	110mm	10, 25, 50m
SPL32	32mm	33.1mm	1"	26.7mm	145mm	10, 25m
SPL40	40mm	41.8mm	1 1/4"	35.4mm	180mm	10, 25m
SPL50	50mm	47.9mm	1 1/2"	40.4mm	240mm	10, 25m
SPL63	63mm	59.7mm	2"	51.6mm	345mm	10, 25m

To order quote part number, colour & reel length, e.g. SPL12/BL/50M

#### Approvals



IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type SPL		Static Applications: -20°C to +105°C	Very High
IP40	N/A	Moving Applications: -5°C to +105°C	
IP65	N/A	<b>Flexibility &amp; Fatigue Life</b>	
IP66	Type SPL - Type M, C45 & C90	Medium Flexibility - Medium Fatigue Life	
IP67	Type SPL - Type A, B, M, C45 & C90	<b>Fire Performance &amp; EMI Screen</b>	
IP68	Type SPL - Type M, C45 & C90 (10 bar 30 mins)	Self Extinguishing	
IP69K	Type SPL - Type M, C45 & C90		



Type LFH-SPL  
Low Fire Hazard Performance  
Covered Steel Flexible Conduit

### Type LFH-SPL - Adaptasteel

#### Low Fire Hazard Performance Covered Steel Flexible Conduit

**Materials:** Low Fire Hazard Jacket Covered Galvanised Steel / **Colour:** Black (BL) Only

Part No.	Nominal Conduit Size	Outside Diameter	US Conduit Size	Inside Diameter	Min. Bend Radius	Reel Length
LFH-SPL16	16mm	17.0mm	3/8"	13.0mm	50mm	10, 25m
LFH-SPL20	20mm	21.5mm	1/2"	16.9mm	80mm	10, 25m
LFH-SPL25	25mm	26.0mm	3/4"	21.4mm	110mm	10, 25m
LFH-SPL32	32mm	34.0mm	1"	28.1mm	145mm	10, 25m
LFH-SPL40	40mm	44.5mm	1 1/4"	37.7mm	180mm	10m
LFH-SPL50	50mm	55.0mm	1 1/2"	48.4mm	240mm	10m
LFH-SPL63	63mm	64.5mm	2"	57.5mm	345mm	10m

To order quote part number, colour & reel length, e.g. LFH-SPL16/BL/25M

#### Approvals



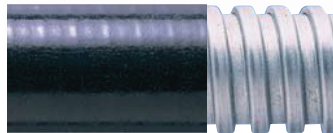
EN45545-2 HL3 - R22 & R23

IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type SPL		Static Applications: -20°C to +90°C	High
IP40	N/A	Moving Applications: -5°C to +105°C	
IP65	N/A	<b>Flexibility &amp; Fatigue Life</b>	
IP66	Type SPL - Type M, C45 & C90	Medium Flexibility - Medium Fatigue Life	
IP67	Type SPL - Type A, B, M, C45 & C90	<b>Fire Performance &amp; EMI Screen</b>	
IP68	Type SPL - Type M, C45 & C90 (10 bar 30 mins)	Self Extinguishing	
IP69K	Type SPL - Type M, C45 & C90	Halogen Free	



# Metallic conduit systems

## Type SPL-EF - Adaptasteel



Type SPL-EF  
Enhanced Fire Performance  
Covered Steel Flexible Conduit

The **NEW SPL-EF** conduit systems are Enhanced Fire Performance rated, highly flexible, liquid tight with a wide temperature operating range.

Designed to meet the demand for 'interoperability' and compliance with stringent local and European fire safety requirements in the rail infrastructure market, the SPL-EF system, is accredited with the EN45545-2 standard achieving the highest HL3 fire performance rating for both interior and exterior locations.

The system provides higher performance levels of flexibility, impact and abrasion resistance, combined with enhanced chemical resistances especially to oils and greases, with a much higher and lower temperature rating (-40°C to +105°C), than any other metallic conduit system with a EN45545-2 HL3 rating.

Advantages include:

- EN45545-2 and BS EN 61386-1 & 23 accreditation
- HL3 - R22 & R23 rating
- Up to IP69K rating
- High flexibility
- Oil and hydrocarbons resistant
- Suitable for wide use underground and in any part of train vehicles and infrastructure

### Type SPL-EF - Adaptasteel **NEW** Enhanced Fire Performance Covered Steel Flexible Conduit

**Materials:** Thermoplastic Jacket Covered Galvanised Steel / **Colour:** Black (BL) Only

Part No.	Nominal Conduit Size	Outside Diameter	US Conduit Size	Inside Diameter	Min. Bend Radius	Reel Length
SPL-EF12	12mm	14.2mm	5/16"	12.0mm	45mm	10, 25, 50m
SPL-EF16	16mm	17.8mm	3/8"	12.5mm	50mm	10, 25, 50m
SPL-EF20	20mm	21.1mm	1/2"	15.9mm	80mm	10, 25, 50m
SPL-EF25	25mm	26.4mm	3/4"	21.0mm	110mm	10, 25, 50m
SPL-EF32	32mm	33.1mm	1"	26.7mm	145mm	10, 25, 50m
SPL-EF40	40mm	41.8mm	1 1/4"	35.4mm	180mm	10, 25m
SPL-EF50	50mm	47.9mm	1 1/2"	40.4mm	240mm	10, 25m

To order quote part number, colour & reel length, e.g. SPL-EF12/BL/50M

#### Approvals



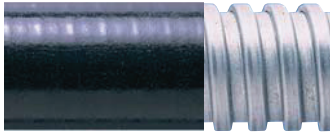
EN45545-2 HL3 - R22 & R23

IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type SPL		Static Applications: -40°C to +105°C	Very High
IP40	N/A	Moving Applications: -30°C to +105°C	
IP65	N/A	<b>Flexibility &amp; Fatigue Life</b>	
IP66	Type SPL - Type M, C45 & C90	Very High Flexibility - High Fatigue Life	
IP67	Type SPL - Type A, B, M, C45 & C90	<b>Fire Performance &amp; EMI Screen</b>	
IP68	Type SPL - Type M, C45 & C90 (10 bar 30 mins)	Self Extinguishing	
IP69K	Type SPL - Type M, C45 & C90	Halogen Free	



# Metallic conduit systems

## Type SPLHC - Adaptasteel



**Type SPLHC**  
Liquid Tight Extreme Temperature  
Covered Steel Flexible Conduit

3

### Type SPLHC - Adaptasteel

#### Liquid Tight Extreme Temperature Covered Steel Flexible Conduit

**Materials:** Thermoplastic Rubber Covered Galvanised Steel / **Colour:** Black (BL) Only

Part No.	Nominal Conduit Size	Outside Diameter	US Conduit Size	Inside Diameter	Min. Bend Radius	Reel Length
SPLHC10	10mm	11.8mm	1/4"	7.0mm	40mm	25, 50m
SPLHC12	12mm	14.2mm	5/16"	10.0mm	40mm	25, 50m
SPLHC16	16mm	17.8mm	3/8"	12.5mm	50mm	25m
SPLHC20	20mm	21.1mm	1/2"	15.9mm	80mm	25m
SPLHC25	25mm	26.4mm	3/4"	21.0mm	110mm	25m
SPLHC32	32mm	33.1mm	1"	26.7mm	145mm	25m
SPLHC40	40mm	41.8mm	1 1/4"	35.4mm	180mm	25m
SPLHC50	50mm	47.9mm	1 1/2"	40.4mm	240mm	25m
SPLHC63	63mm	59.7mm	2"	51.6mm	345mm	25m

To order quote part number, colour & reel length, e.g. SPLHC12/BL/50M

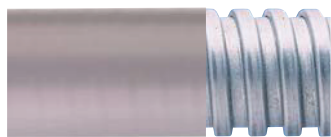
#### Approvals



IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type SPL		Static Applications: -65°C to +135°C	Very High
IP40	N/A	Moving Applications: -45°C to +150°C	
IP65	N/A	<b>Flexibility &amp; Fatigue Life</b>	
IP66	Type SPL - Type M, C45 & C90	Very High Flexibility - High Fatigue Life	
IP67	Type SPL - Type A, B, M, C45 & C90	<b>Fire Performance &amp; EMI Screen</b>	
IP68	Type SPL - Type M, C45 & C90 (10 bar 30 mins)	Self Extinguishing	
IP69K	Type SPL - Type M, C45 & C90	Halogen Free	

# Metallic conduit systems

## Type SPUL & A - Adaptasteel



Type SPUL  
Covered Steel Flexible Conduit

### Type SPUL - Adaptasteel

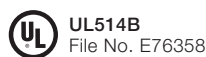
Liquid Tight UL Listed & CSA Approved Covered Steel Flexible Conduit

**Materials:** PVC Covered Galvanised Steel with Copper Packing / **Colour:** Black (BL), Grey (GR)

Part No.	Nominal Conduit Size	Outside Diameter	US Conduit Size	Inside Diameter	Min. Bend Radius	Reel Length
SPUL16	16mm	17.8mm	3/8"	12.5mm	50mm	25, 50m
SPUL20	20mm	21.1mm	1/2"	15.9mm	80mm	50m
SPUL25	25mm	26.4mm	3/4"	21.0mm	110mm	25, 50m
SPUL32	32mm	33.1mm	1"	26.7mm	145mm	25m
SPUL40	40mm	41.8mm	1 1/4"	35.4mm	180mm	25m
SPUL50	50mm	47.9mm	1 1/2"	40.4mm	240mm	25m
SPUL63	63mm	59.7mm	2"	51.6mm	345mm	10, 25m

To order quote part number, colour & reel length, e.g. SPUL16/BL/25M

### Approvals



IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type SPL		Static Applications: -20°C to +75°C	High
IP40	N/A	Moving Applications: -5°C to +105°C	
IP65	N/A	<b>Flexibility &amp; Fatigue Life</b>	
IP66	Type SPL - Type M, C45 & C90	Medium Flexibility - Medium Fatigue Life	
IP67	Type SPL - Type A, B, M, C45 & C90	<b>Fire Performance &amp; EMI Screen</b>	
IP68	Type SPL - Type M, C45 & C90 (10 bar 30 mins)	Self Extinguishing	
IP69K	Type SPL - Type M, C45 & C90		



Type A  
Straight Fitting

### Type A - Adaptasteel

Straight Fitting - Fixed External Male Thread / For insertion into threaded entries & knockouts using a locknut (order locknut separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	US Conduit Size	Metric Thread
SPL16/M16/A	16mm	3/8"	M16
SPL16/M20/A	16mm	3/8"	M20
SPL20/M20/A	20mm	1/2"	M20
SPL25/M25/A	25mm	3/4"	M25
SPL32/M32/A	32mm	1"	M32

### Approvals

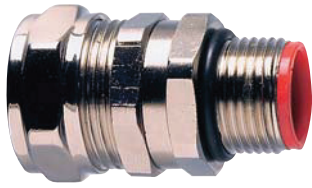


IP Rating	Appropriate Conduit	Temperature Range
<b>For use with:</b> Type SPL / SPLHC / SPUL / SPL-EF / LFH-SPL		Static Applications: -65°C to +150°C
IP40	N/A	Moving Applications: -45°C to +150°C
IP65	N/A	
IP66	N/A	
IP67	Yes	
IP68	N/A	
IP69K	N/A	



# Metallic conduit systems

## Type B & E - Adaptasteel



**3** Type B  
Straight Fitting

### Type B - Adaptasteel

**Straight Fitting - Swivel External Male Thread** / For insertion into threaded entries & knockouts using a locknut (order locknut separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	US Conduit Size	Metric Thread
SPL16/M16/B	16mm	3/8"	M16
SPL16/M20/B	16mm	3/8"	M20
SPL20/M20/B	20mm	1/2"	M20
SPL25/M25/B	25mm	3/4"	M25
SPL32/M32/B	32mm	1"	M32

#### Approvals



#### IP Rating

#### Appropriate Conduit

#### Temperature Range

**For use with:** Type SPL / SPLHC / SPUL / SPL-EF / LFH-SPL

Static Applications: -65°C to +150°C

IP54	N/A
IP65	N/A
IP66	N/A
IP67	Yes
IP68	N/A
IP69K	N/A

Moving Applications: -45°C to +150°C

#### Fitting Characteristics



Type E  
Conduit Terminator

### Type E - Adaptasteel

**Conduit Terminator** / Cable protection at exit point

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	US Conduit Size
SPL10/E	10mm	1/4"
SPL12/E	12mm	5/16"
SPL16/E	16mm	3/8"
SPL20/E	20mm	1/2"
SPL25/E	25mm	3/4"
SPL32/E	32mm	1"
SPL40/E	40mm	1 1/4"
SPL50/E	50mm	1 1/2"
SPL63/E	63mm	2"

#### Approvals



#### IP Rating

#### Appropriate Conduit

#### Temperature Range

**For use with:** Type SPL / SPLHC / SPUL / SPL-EF / LFH-SPL

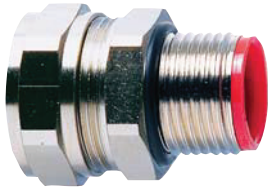
Static Applications: -65°C to +300°C

IP54	Yes
IP65	N/A
IP66	N/A
IP67	N/A
IP68	N/A
IP69K	N/A

Moving Applications: -45°C to +250°C

# Metallic conduit systems

## Type M - Adaptasteel



Type M  
Straight Swivel Fitting

### Type M - Adaptasteel

**Straight Swivel Fitting - External Male Thread** / For insertion into threaded entries & knockouts using a locknut (order locknut separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	US Conduit Size	Metric Thread
SPL10/M12/M	10mm	1/4"	M12
SPL12/M16/M	12mm	5/16"	M16
SPL16/M16/M	16mm	3/8"	M16
SPL16/M20/M	16mm	3/8"	M20
SPL20/M20/M	20mm	1/2"	M20
SPL25/M25/M	25mm	3/4"	M25
SPL32/M32/M	32mm	1"	M32
SPL40/M40/M	40mm	1 1/4"	M40
SPL50/M50/M	50mm	1 1/2"	M50
SPL63/M63/M	63mm	2"	M63

Part No.	Nominal Conduit Size	US Conduit Size	PG Thread
SPL10/PG7/M	10mm	1/4"	PG7
SPL12/PG9/M	12mm	5/16"	PG9
SPL16/PG11/M	16mm	3/8"	PG11
SPL16/PG13/M	16mm	3/8"	PG13,5
SPL20/PG16/M	20mm	1/2"	PG16
SPL25/PG21/M	25mm	3/4"	PG21
SPL32/PG29/M	32mm	1"	PG29
SPL40/PG36/M	40mm	1 1/4"	PG36
SPL50/PG42/M	50mm	1 1/2"	PG42
SPL63/PG48/M	63mm	2"	PG48

Part No.	Nominal Conduit Size	US Conduit Size	NPT Thread
SPL16/038/M	16mm	3/8"	3/8"
SPL20/050/M	20mm	1/2"	1/2"
SPL25/075/M	25mm	3/4"	3/4"
SPL32/100/M	32mm	1"	1"
SPL40/125/M	40mm	1 1/4"	1 1/4"
SPL50/150/M	50mm	1 1/2"	1 1/2"

#### Approvals



UL514B  
File No. E60625

#### IP Rating

**For use with:** Type SPL / SPLHC / SPUL / SPL-EF / LFH-SPL

IP Rating	Appropriate Conduit
IP54	N/A
IP65	N/A
IP66	Yes
IP67	Yes
IP68	Yes (10 bar 30mins)
IP69K	Yes

#### Temperature Range

Static Applications: -65°C to +150°C

Moving Applications: -45°C to +150°C

#### Fitting Characteristics



# Metallic conduit systems

## Type C90 & 45 - Adaptasteel



**3** Type A  
90° Combined  
Fitting & Elbow

### Type C90 - Adaptasteel

**90° Combined Fitting & Elbow - Swivel External Male Thread** / For insertion into threaded entries & knockouts using a locknut

(order locknut separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	US Conduit Size	Metric Thread	Part No.	Nominal Conduit Size	US Conduit Size	NPT Thread
SPL16/M16/C90	16mm	3/8"	M16	SPL16/038/C90	16mm	3/8"	3/8"
SPL16/M20/C90	16mm	3/8"	M20	SPL16/050/C90	16mm	3/8"	3/8"
SPL20/M20/C90	20mm	1/2"	M20	SPL20/050/C90	20mm	1/2"	1/2"
SPL25/M25/C90	25mm	3/4"	M25	SPL25/075/C90	25mm	3/4"	3/4"
SPL32/M32/C90	32mm	1"	M32	SPL32/100/C90	32mm	1"	1"
SPL40/M40/C90	40mm	1 1/4"	M40	SPL40/125/C90	40mm	1 1/4"	1 1/4"
SPL50/M50/C90	50mm	1 1/2"	M50	SPL50/150/C90	50mm	1 1/2"	1 1/2"
SPL63/M63/C90	63mm	2"	M63	SPL63/200/C90	63mm	2"	2"

#### Approvals



**UL** UL514B  
File No. E60625

#### IP Rating

#### Appropriate Conduit

**For use with:** Type SPL / SPLHC / SPUL / SPL-EF / LFH-SPL

IP54	N/A
IP65	N/A
IP66	Yes
IP67	Yes
IP68	Yes (10 bar 30 mins)
IP69K	Yes

#### Temperature Range

Static Applications: -65°C to +150°C

Moving Applications: -45°C to +150°C



Type 45  
45° Elbow

### Type 45 - Adaptasteel

**45° Elbow - Fixed External Male Thread** / For insertion into threaded entries & knockouts using a locknut (order locknut separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	US Conduit Size	Metric Thread	Part No.	Nominal Conduit Size	US Conduit Size	NPT Thread
SPL16/M16/C45	16mm	3/8"	M16	SPL16/038/C45	16mm	3/8"	3/8"
SPL16/M20/C45	16mm	3/8"	M20	SPL16/050/C45	16mm	3/8"	3/8"
SPL20/M20/C45	20mm	1/2"	M20	SPL20/050/C45	20mm	1/2"	1/2"
SPL25/M25/C45	25mm	3/4"	M25	SPL25/075/C45	25mm	3/4"	3/4"
SPL32/M32/C45	32mm	1"	M32	SPL32/100/C45	32mm	1"	1"
SPL40/M40/C45	40mm	1 1/4"	M40	SPL40/125/C45	40mm	1 1/4"	1 1/4"
SPL50/M50/C45	50mm	1 1/2"	M50	SPL50/150/C45	50mm	1 1/2"	1 1/2"
SPL63/M63/C45	63mm	2"	M63	SPL63/200/C45	63mm	2"	2"

#### Approvals



**UL** UL514B  
File No. E60625

#### IP Rating

#### Appropriate Conduit

**For use with:** Type SPL / SPLHC / SPUL / SPL-EF / LFH-SPL

IP54	N/A
IP65	N/A
IP66	Yes
IP67	Yes
IP68	Yes (10 bar 30 mins)
IP69K	Yes

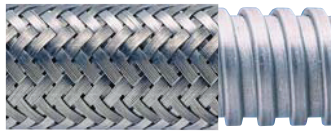
#### Temperature Range

Static Applications: -65°C to +150°C

Moving Applications: -45°C to +150°C

# Metallic conduit systems

## EMI screen Type SB & STC - Adaptasteel



**Type SB**  
Galvanised Steel,  
Overbraided Steel,  
Enhanced EMI Screening,  
Flexible Conduit

### Type SB - Adaptasteel

Galvanised Steel, Overbraided Steel, Enhanced EMI Screening, Flexible Conduit



**Materials:** Galvanised Steel Conduit, Galvanised Steel Overbraid

Part No.	Nominal Conduit Size	Outside Diameter	Inside Diameter	Min. Bend Radius	Reel Length
SB10	10mm	10.0mm	6.8mm	25mm	25m
SB12	12mm	14.0mm	10.3mm	30mm	25m
SB16	16mm	17.5mm	13.0mm	35mm	25m
SB20	20mm	21.5mm	16.9mm	45mm	25m
SB25	25mm	26.0mm	21.4mm	55mm	25m
SB32	32mm	34.0mm	28.1mm	60mm	10m
SB40	40mm	43.6mm	37.7mm	80mm	10m
SB50	50mm	56.0mm	48.4mm	90mm	10m
SB63	63mm	65.0mm	57.5mm	115mm	10m
SB75	75mm	80.0mm	70.0mm	150mm	10m

To order quote part number & reel length, e.g. SB12/25M

### Approvals



IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type SB		Static Applications: -50°C to +300°C	Very High
IP40	Type SB - Type A & B	Moving Applications: -45°C to +250°C	
IP65	N/A	<b>Flexibility &amp; Fatigue Life</b>	 
IP66	N/A	High Flexibility - High Fatigue Life	
IP67	N/A	<b>Fire Performance &amp; EMI Screen</b>	
IP68	N/A		
IP69K	N/A		



**Type STC**  
Galvanised Steel,  
Overbraided Tinned Copper,  
High EMI Screening,  
Flexible Conduit

### Type STC - Adaptasteel

Galvanised Steel, Overbraided Tinned Copper, High EMI Screening, Flexible Conduit



**Materials:** Galvanised Steel Conduit, Tinned Copper Overbraid

Part No.	Nominal Conduit Size	Outside Diameter	Inside Diameter	Min. Bend Radius	Reel Length
STC10	10mm	10.0mm	6.8mm	25mm	25m
STC12	12mm	14.0mm	10.3mm	30mm	25m
STC16	16mm	17.5mm	13.0mm	35mm	25m
STC20	20mm	21.5mm	16.9mm	45mm	25m
STC25	25mm	26.0mm	21.4mm	55mm	25m
STC32	32mm	34.0mm	28.1mm	60mm	10m
STC40	40mm	43.6mm	37.7mm	80mm	10m
STC50	50mm	56.0mm	48.4mm	90mm	10m

To order quote part number & reel length, e.g. STC12/25M

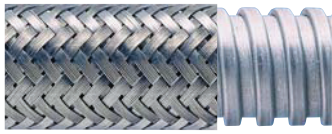
### Approvals



IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type SB		Static Applications: -50°C to +300°C	Very High
IP40	Type SB - Type A & B	Moving Applications: -45°C to +250°C	
IP65	N/A	<b>Flexibility &amp; Fatigue Life</b>	 
IP66	N/A	High Flexibility - High Fatigue Life	
IP67	N/A	<b>Fire Performance &amp; EMI Screen</b>	
IP68	N/A		
IP69K	N/A		

# Metallic conduit systems

## EMI screen Type SSB & SSBGS - Adaptasteel



Type SSB  
Overbraided,  
Standard EMI Screening,  
Flexible Conduit

### Type SSB - Adaptasteel

Overbraided, Standard EMI Screening, Flexible Conduit

**Materials:** Stainless Steel Conduit, Stainless Steel Overbraid

Part No.	Nominal Conduit Size	Outside Diameter	Inside Diameter	Min. Bend Radius	Reel Length
SSB12	12mm	14.0mm	10.3mm	30mm	25m
SSB16	16mm	17.5mm	13.0mm	35mm	25m
SSB20	20mm	21.5mm	16.9mm	45mm	25m
SSB25	25mm	26.0mm	21.4mm	55mm	25m
SSB32	32mm	34.0mm	28.1mm	60mm	10m

To order quote part number & reel length, e.g. SSB12/25M

#### Approvals



IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type SB		Static Applications: -50°C to +300°C	Very High
IP40	Type SB - Type A & B	Moving Applications: -45°C to +250°C	
IP65	N/A	<b>Flexibility &amp; Fatigue Life</b>	
IP66	N/A	High Flexibility - High Fatigue Life	
IP67	N/A	<b>Fire Performance &amp; EMI Screen</b>	
IP68	N/A		
IP69K	N/A		



Type SSBGS  
Overbraided,  
Standard EMI Screening,  
Flexible Conduit

### Type SSBGS - Adaptasteel

Overbraided, Standard EMI Screening, Flexible Conduit

**Materials:** Galvanised Steel Conduit, Stainless Steel Overbraid

Part No.	Nominal Conduit Size	Outside Diameter	Inside Diameter	Min. Bend Radius	Reel Length
SSBGS12	12mm	14.0mm	10.3mm	30mm	25m
SSBGS16	16mm	17.5mm	13.0mm	35mm	25m
SSBGS20	20mm	21.5mm	16.9mm	45mm	25m
SSBGS25	25mm	26.0mm	21.4mm	55mm	25m
SSBGS32	32mm	34.0mm	28.1mm	60mm	10m

To order quote part number & reel length, e.g. SSBGS12/25M

#### Approvals



IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type SB		Static Applications: -50°C to +300°C	Very High
IP40	Type SB - Type A & B	Moving Applications: -45°C to +250°C	
IP65	N/A	<b>Flexibility &amp; Fatigue Life</b>	
IP66	N/A	High Flexibility - High Fatigue Life	
IP67	N/A	<b>Fire Performance &amp; EMI Screen</b>	
IP68	N/A		
IP69K	N/A		



# Metallic conduit systems

## EMI screen Type A & B - Adaptasteel



Type A  
Straight Fitting

### Type A - Adaptasteel

**Straight Fitting - Fixed External Male Thread** / For insertion into knockouts using a locknut (order locknuts separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Metric Thread
SB10/M12/A	10mm	M12
SB12/M16/A	12mm	M16
SB16/M16/A	16mm	M16
SB20/M20/A	20mm	M20
SB25/M25/A	25mm	M25
SB32/M32/A	32mm	M32
SB40/M40/A	40mm	M40
SB50/M50/A	50mm	M50
SB63/M63/A	63mm	M63
SB75/M75/A	75mm	M75

#### Approvals



IP Rating	Appropriate Conduit	Temperature Range
<b>For use with:</b> Type SB / STC / SSB / SSBGS		
IP40	Yes	Static Applications: -50°C to +300°C Moving Applications: -45°C to +250°C
IP65	N/A	
IP66	N/A	
IP67	N/A	
IP68	N/A	
IP69K	N/A	



Type B  
Straight Fitting

### Type B - Adaptasteel

**Straight Fitting - Swivel External Male Thread** / For insertion into threaded entries & knockouts using a locknut (order locknut separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Metric Thread
SB10/M12/B	10mm	M12
SB12/M16/B	12mm	M16
SB16/M16/B	16mm	M16
SB20/M20/B	20mm	M20
SB25/M25/B	25mm	M25
SB32/M32/B	32mm	M32
SB40/M40/B	40mm	M40
SB50/M50/B	50mm	M50

#### Approvals



IP Rating	Appropriate Conduit	Temperature Range
<b>For use with:</b> Type SB / STC / SSB / SSBGS		
IP40	Yes	Static Applications: -50°C to +300°C Moving Applications: -45°C to +250°C
IP65	N/A	
IP66	N/A	
IP67	N/A	
IP68	N/A	
IP69K	N/A	

#### Fitting Characteristics



# Metallic conduit systems

## EMI screen, liquid resistant Type SPB & SPTC - Adaptasteel

3



Type SPB  
Overbraided,  
Enhanced EMI Screening,  
Flexible Conduit

### Type SPB - Adaptasteel

Overbraided, Enhanced EMI Screening, Flexible Conduit


**Materials:** Galvanised Steel Conduit with PVC Covering, Galvanised Steel Overbraid

Part No.	Nominal Conduit Size	Outside Diameter	Inside Diameter	Min. Bend Radius	Reel Length
SPB10	10mm	11.5mm	6.8mm	25mm	25m
SPB12	12mm	15.5mm	10.3mm	25mm	25m
SPB16	16mm	18.5mm	13.0mm	30mm	25m
SPB20	20mm	23.0mm	16.9mm	35mm	25m
SPB25	25mm	27.5mm	21.4mm	55mm	25m
SPB32	32mm	35.5mm	28.1mm	60mm	10m
SPB40	40mm	45.1mm	37.7mm	80mm	10m
SPB50	50mm	57.5mm	48.4mm	90mm	10m

To order quote part number & reel length, e.g. SPB12/25M

#### Approvals



IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type SPB		Static Applications: -15°C to +70°C	Very High
IP54	Type SB - Type A & B	Moving Applications: -5°C to +90°C	
IP65	N/A	<b>Flexibility &amp; Fatigue Life</b>	
IP66	N/A	High Flexibility - Medium Fatigue Life	
IP67	N/A	<b>Fire Performance &amp; EMI Screen</b>	
IP68	N/A	Self Extinguishing	
IP69K	N/A		



Type SPTC  
Overbraided Tinned Copper,  
High EMI Screening,  
Flexible Conduit

### Type SPTC - Adaptasteel

Overbraided Tinned Copper, High EMI Screening, Flexible Conduit


**Materials:** Galvanised Steel Conduit with PVC Covering, Tinned Copper Overbraid

Part No.	Nominal Conduit Size	Outside Diameter	Inside Diameter	Min. Bend Radius	Reel Length
SPTC10	10mm	11.5mm	6.8mm	25mm	25m
SPTC12	12mm	15.5mm	10.3mm	25mm	25m
SPTC16	16mm	18.5mm	13.0mm	30mm	25m
SPTC20	20mm	23.0mm	16.9mm	35mm	25m
SPTC25	25mm	27.5mm	21.4mm	55mm	25m
SPTC32	32mm	35.5mm	28.1mm	60mm	10m
SPTC40	40mm	45.1mm	37.7mm	80mm	10m
SPTC50	50mm	57.5mm	48.4mm	90mm	10m

To order quote part number & reel length, e.g. SPTC12/25M

#### Approvals



IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type SB		Static Applications: -15°C to +70°C	Very High
IP54	Type SB - Type A & B	Moving Applications: -5°C to +90°C	
IP65	N/A	<b>Flexibility &amp; Fatigue Life</b>	
IP66	N/A	High Flexibility - Medium Fatigue Life	
IP67	N/A	<b>Fire Performance &amp; EMI Screen</b>	
IP68	N/A	Self Extinguishing	
IP69K	N/A		

# Metallic conduit systems

## EMI screen, liquid resistant Type A & B - Adaptasteel



Type A  
Straight Fitting

### Type A - Adaptasteel

**Straight Fitting - Fixed External Male Thread** / For insertion into knockouts using a locknut (order locknut separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Metric Thread
SPB10/M12/A	10mm	M12
SPB12/M16/A	12mm	M16
SPB16/M16/A	16mm	M16
SPB20/M20/A	20mm	M20
SPB25/M25/A	25mm	M25
SPB32/M32/A	32mm	M32
SPB40/M40/A	40mm	M40
SPB50/M50/A	50mm	M50

### Approvals



### IP Rating

### Appropriate Conduit

### Temperature Range

**For use with:** Type SPB / SPTC

Static Applications: -50°C to +300°C

Moving Applications: -45°C to +250°C

IP54	Yes
IP65	N/A
IP66	N/A
IP67	N/A
IP68	N/A
IP69K	N/A



Type B  
Straight Fitting

### Type B - Adaptasteel

**Straight Fitting - Swivel External Male Thread** / For insertion into threaded entries & knockouts using a locknut (order locknut separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Metric Thread
SPB10/M12/B	10mm	M12
SPB12/M16/B	12mm	M16
SPB16/M16/B	16mm	M16
SPB20/M20/B	20mm	M20
SPB25/M25/B	25mm	M25
SPB32/M32/B	32mm	M32
SPB40/M40/B	40mm	M40
SPB50/M50/B	50mm	M50

### Approvals



### IP Rating

### Appropriate Conduit

### Temperature Range

**For use with:** Type SPB / SPTC

Static Applications: -50°C to +300°C

Moving Applications: -45°C to +250°C

IP54	Yes
IP65	N/A
IP66	N/A
IP67	N/A
IP68	N/A
IP69K	N/A

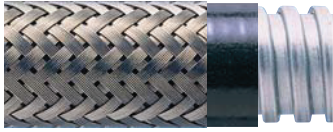
### Fitting Characteristics





# Metallic conduit systems

## Liquid resistant, high strength Type SPLHCB & A - Adaptasteel



**Type SPLHCB**  
 Extreme Temperature,  
 Abuse Resistant, Overbraided,  
 Standard EMI Screening,  
 Flexible Conduit

3

### Type SPLHCB - Adaptasteel

Extreme Temperature, Abuse Resistant, Overbraided, Standard EMI Screening, Flexible Conduit

**Materials:** Galvanised Steel Conduit, Smooth Thermoplastic Rubber Covering, Stainless Steel 316 Overbraid

Part No.	Nominal Conduit Size	Outside Diameter	Inside Diameter	Min. Bend Radius	Reel Length
SPLHCB16	16mm	19.8mm	12.5mm	80mm	25m
SPLHCB20	20mm	23.1mm	15.9mm	95mm	25m
SPLHCB25	25mm	28.4mm	21.0mm	115mm	25m
SPLHCB32	32mm	35.1mm	26.7mm	145mm	10m
SPLHCB40	40mm	44.0mm	35.4mm	180mm	10m
SPLHCB50	50mm	56.0mm	40.4mm	240mm	10m

To order quote part number & reel length, e.g. SPLHCB16/25M

#### Approvals



IP Rating	Appropriate Fitting	Temperature Range	UV Resistance
<b>For use with:</b> Type SPLB		Static Applications: -65°C to +135°C	Very High
IP40	N/A	Moving Applications: -45°C to +150°C	
IP65	N/A		
IP66	Type SPLB - Type A & B	<b>Flexibility &amp; Fatigue Life</b> Very High Flexibility - High Fatigue Life	
IP67	Type SPLB - Type A & B	<b>Fire Performance &amp; EMI Screen</b> Self Extinguishing	
IP68	Type SPLB - Type A & B	Halogen Free	
IP69K	N/A		



**Type A**  
 Straight Fitting

### Type A - Adaptasteel

Straight Fitting - Fixed External Male Thread / For insertion into knockouts using a locknut (order locknut separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Metric Thread
SPLB16/M16/A	16mm	M16
SPLB16/M20/A	16mm	M20
SPLB20/M20/A	20mm	M20
SPLB25/M25/A	25mm	M25
SPLB32/M32/A	32mm	M32
SPLB40/M40/A	40mm	M40
SPLB50/M50/A	50mm	M50

#### Approvals



IP Rating	Appropriate Conduit	Temperature Range
<b>For use with:</b> Type SPLHCB		Static Applications: -65°C to +135°C
IP40	N/A	Moving Applications: -45°C to +150°C
IP65	N/A	
IP66	Yes	
IP67	Yes	
IP68	Yes (10 bar 30mins)	
IP69K	N/A	

# Metallic conduit systems

## Liquid resistant, high strength Type B - Adaptasteel



Type B  
Straight Fitting

### Type B - Adaptasteel

**Straight Fitting - Swivel External Male Thread** / For insertion into threaded entries & knockouts using a locknut (order locknut separately)

**Materials:** Nickel plated brass

Part No.	Nominal Conduit Size	Metric Thread
SPLB16/M16/B	16mm	M16
SPLB16/M20/B	16mm	M20
SPLB20/M20/B	20mm	M20
SPLB25/M25/B	25mm	M25
SPLB32/M32/B	32mm	M32

### Approvals



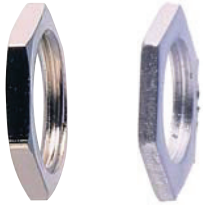
IP Rating	Appropriate Conduit	Temperature Range
<b>For use with:</b> Type SPLHCB		Static Applications: -65°C to +135°C
IP40	N/A	Moving Applications: -45°C to +150°C
IP65	N/A	
IP66	Yes	
IP67	Yes	
IP68	Yes (10 bar 30mins)	
IP69K	N/A	

### Fitting Characteristics



# Metallic conduit systems

## Accessories - Type LNB/LNS, P & PSA



3 Type LNB Metallic Locknuts



LNS Locknut

### Type LNB/LNS

**Metallic Locknuts / Materials:** Nickel Plated Brass, Galvanised Steel

Metric Thread	Part No.		PG Thread	Part No.		NPT Thread	Part No.
	Nickel Plated Brass	Galvanised Steel		Nickel Plated Brass	Steel		
M12 x 1.0	LNB/M12X1		PG7	LNB/PG7		3/8"	LNS/038
M12 x 1.5	LNB/M12		PG9	LNB/PG9		1/2"	LNS/050
M16	LNB/M16	LNS/M16	PG11	LNB/PG11		3/4"	LNS/075
M20	LNB/M20	LNS/M20	PG13,5	LNB/PG13		1"	LNS/100
M25	LNB/M25	LNS/M25	PG16	LNB/PG16		1 1/4"	LNS/125
M32	LNB/M32	LNS/M32	PG21	LNB/PG21		1 1/2"	LNS/150
M40	LNB/M40		PG29	LNB/PG29		2"	LNS/200
M50	LNB/M50		PG36	LNB/PG36			
M63	LNB/M63		PG42	LNB/PG42			
M75	LNB/M75		PG48	LNB/PG48			



Type P  
P-Clip Conduit Support

### Type P

**P-Clip Conduit Support / Materials:** Plated Steel or Stainless Steel Construction with PVC Insert

Plated Steel Part No.	Stainless Steel Part No.	Nominal Conduit Size	Plated Steel Part No.	Stainless Steel Part No.	Nominal Conduit Size
PCLIP/10		10	PCLIP/32	PCLIP/32SS	32
PCLIP/12		12	PCLIP/40		40
PCLIP/16	PCLIP/16SS	16	PCLIP/50		50
PCLIP/20	PCLIP/20SS	20	PCLIP/63		63
PCLIP/25	PCLIP/25SS	25	PCLIP/75		75



Type PSA  
Proximity Switch Connectors

### Type PSA

**Proximity Switch Connectors / Materials:** Nickel Plated Brass

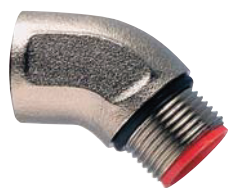
Internal Thread	Part No.	
	To M16 Internal Thread	To PG9 Internal Thread
M12 x 1.0	PSA16/M12	PSA9/M12
M18 x 1.0	PSA16/M18	PSA9/M18
M30	PSA16/M30	PSA9/M30

# Metallic conduit systems

## Accessories - Type 90/45, TC & Female couplers



Type 90 Brass Elbow



Type 45 Brass Elbow

### Type 90/45

Brass Elbows / Materials: Nickel Plated Brass

Metric External Male Thread	Internal Female Metric Thread	Part No.		NPT External Male Thread	Internal Female Metric Thread	Part No.		PG External Male Thread	Internal Female Metric Thread	Part No.	
		Type 90°	Type 45°			Type 90°	Type 45°			Type 90°	Type 45°
M16	M16	B/M16/90		1/2"	M20	B/050/90	B/050/45	PG9	M16	B/PG9/90	
M16	M20		B/M16/45	3/4"	M25	B/075/90	B/075/45	PG11	M16	B/PG11/90	B/PG11/45
M20	M20	B/M20/90	B/M20/45	1"	M32	B/100/90	B/100/45	PG13,5	M20	B/PG13/90	B/PG13/45
M25	M25	B/M25/90	B/M25/45					PG16	M20	B/PG16/90	B/PG16/45
M32	M32	B/M32/90	B/M32/45					PG21	M25	B/PG21/90	B/PG21/45



Type TC  
Unef Converter

### Type TC

Unef Thread Converter with Two Internal Female Threads / Materials: Nickel Plated Brass

Internal Thread	To M16 Internal Thread	To M20 Internal Thread	To M25 Internal Thread	To M32 Internal Thread
5/8" UNEF	B/063U-M16/TC			
3/4" UNEF	B/075U-M16/TC	B/075U-M20/TC		
7/8" UNEF		B/088U-M20/TC		
1" UNEF		B/100U-M20/TC	B/100U-M25/TC	
1 3/16" UNEF		B/119U-M20/TC	B/119U-M25/TC	
1 5/16" UNEF		B/131U-M20/TC		
1 7/16" UNEF			B/144U-M25/TC	B/144U-M32/TC



Female Coupler  
Brass Female Coupler

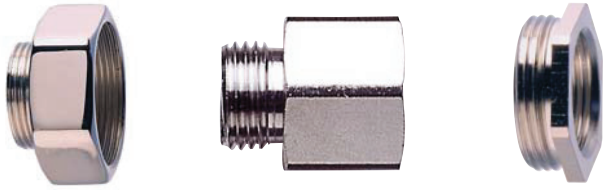
### Female Coupler

Brass Internal Female Coupler / Materials: Nickel Plated Brass

Part No.	Metric Thread	Part No.	Metric Thread
B/M16/C	M16	B/M40/C	M40
B/M20/C	M20	B/M50/C	M50
B/M25/C	M25	B/M63/C	M63
B/M32/C	M32	B/M75/C	M75

# Metallic conduit systems

## Accessories - Type E, R & TC



Type E, R & C  
Enlargers, Reducers & Converters

3

### Type E / Type R / Type C

Enlargers, Reducers & Converters / **Materials:** Nickel Plated Brass

External Thread	To PG7 Internal Thread	To PG9 Internal Thread	To PG11 Internal Thread	To PG13,5 Internal Thread	To PG16 Internal Thread	To PG21 Internal Thread	To PG29 Internal Thread
M16	B/M16-PG7/TC	B/M16-PG9/TC	B/M16-PG11/TC				
M20	B/M20-PG7/TC	B/M20-PG9/TC	B/M20-PG11/TC	B/M20-PG13/TC	B/M20-PG16/TC	B/M20-PG21/TC	
M25						B/M25-PG21/TC	
M32							B/M32-PG29/TC
M40							
M50							
PG7		B/PG7-PG9/E					
PG9	B/PG9-PG7/R		B/PG9-PG11/E	B/PG9-PG13/E			
PG11	B/PG11-PG7/R	B/PG11-PG9/R		B/PG11-PG13/E	B/PG11-PG16/E		
PG13,5	B/PG13-PG7/R	B/PG13-PG9/R	B/PG13-PG11/R		B/PG13-PG16/E	B/PG13-PG21/E	
PG16	B/PG16-PG7/R	B/PG16-PG9/R	B/PG16-PG11/R	B/PG16-PG13/R		B/PG16-PG21/E	
PG21			B/PG21-PG11/R	B/PG21-PG13/R	B/PG21-PG16/R		B/PG21-PG29/E
PG29					B/PG29-PG16/R	B/PG29-PG21/R	
PG36						B/PG36-PG21/R	B/PG36-PG29/R
PG42							B/PG42-PG29/R
PG48							

External Thread	To M10 Internal Thread	To M12 Internal Thread	To M16 Internal Thread	To M20 Internal Thread	To M25 Internal Thread	To M32 Internal Thread	To M40 Internal Thread
M16		B/M16-M12/R		B/M16-M20/E			
M20	B/M20-M10/R	B/M20-M12/R	B/M20-M16/R		B/M20-M25/E		
M25				B/M25-M20/R		B/M25-M32/E	
M32					B/M32-M25/R		
M40						B/M40-M32/R	
M50							B/M50-M40/R
PG7			B/PG7-M16/TC	B/PG7-M20/TC			
PG9			B/PG9-M16/TC	B/PG9-M20/TC			
PG11			B/PG11-M16/TC	B/PG11-M20/TC			
PG13,5			B/PG13-M16/TC	B/PG13-M20/TC			
PG16			B/PG16-M16/TC	B/PG16-M20/TC	B/PG16-M25/TC		
PG21			B/PG21-M16/TC	B/PG21-M20/TC	B/PG21-M25/TC	B/PG21-M32/TC	
PG29				B/PG29-M20/TC	B/PG29-M25/TC	B/PG29-M32/TC	B/PG29-M40/TC
PG36						B/PG36-M32/TC	B/PG36-M40/TC
PG42							
PG48							
1/2" NPT			B/050-M16/TC	B/050-M20/TC			



