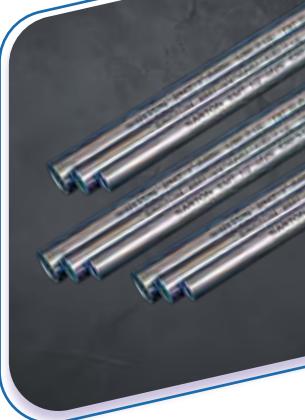


## METALLIC CABLE PROTECTION EQUIPMENT



- RIGID CONDUIT, FITTINGS & ACCESSORIES
- FLEXIBLE CONDUIT & ACCESSORIES
- ADAPTABLE BOXES/SWITCH & SOCKET BOXES/UTILITY BOXES
- EMT CONDUIT & ACCESSORIES

- RGS-RMC CONDUIT SYSTEMS
- IMC CONDUIT SYSTEMS
- STAINLESS STEEL CONDUIT SYSTEMS
- BENDING MACHINE

## THE COMPANY - BARTON ENGINEERING FZE

Barton Engineering FZE supplies and distributes the premium quality Barton brand of rigid and flexible hot dipped galvanised steel conduit, along with all associated electrical cable management systems and a wide range of accessories and fittings.

Barton Engineering operates from its regional distribution centre located within the Jebel Ali Free Zone, Dubai, UAE, and has a subsidiary in Riyadh, Saudi Arabia.

Barton products are renowned for their high quality and competitive pricing and are available via a network of approved distributors.

## THE QUALITY - BARTON ENGINEERING

### ISO 9001:2015 QUALITY MANAGEMENT SYSTEM (QMS)

The premium quality products listed in this brochure are manufactured in accordance with the globally recognised and independently audited ISO 9001:2015 Quality Management System. This assures products are produced in accordance with the highest relevant international quality standards.

In addition to ISO 9001:2015, Barton Engineering FZE operations are subject to continuous assessment programmes including the Environmental Management Standard, ISO 14001:2015 and the Occupational Health and Safety Standard ISO 45001:2018.

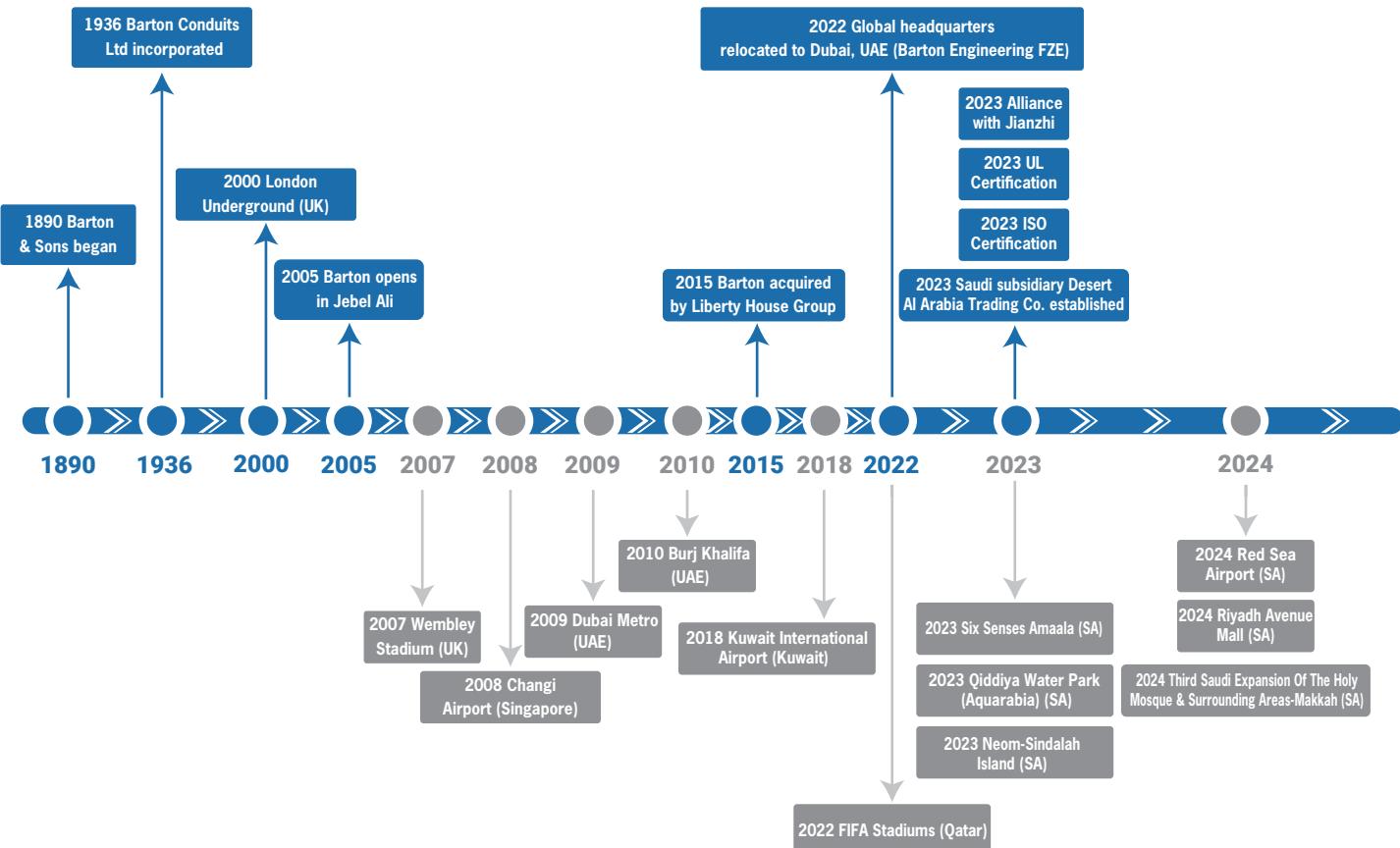
## THE SERVICE

Barton provides a highly efficient customer-focused operation, driving customer trust and satisfaction, with a wide range of premium quality products, produced using controlled processes. Fully trained specialist technical sales personnel are available to support all clients at all times.

## STANDARDS

Barton products are manufactured in accordance with the relevant standards, details of which are given below:

PRODUCT	STANDARDS
Rigid Steel Conduit	BS 4568 Part 1 & 2
Fittings & Accessories	BS EN 50086-1
	BS EN 50086-21
	BS EN 61386-1
	BS EN IEC 61386-21
	BS 31
Adaptable Boxes	BS 4568 Part 2
	BS 60670
Flexible Conduit	BS EN IEC 61386-23
	UL1
Switch & Socket Boxes	BS 4662
Stainless Steel Conduit System	BS EN 50086-2
	BS EN IEC 61386-21
EMT Conduit	ANSI C80.3
	UL 797
	UL 514B
	UL 2239



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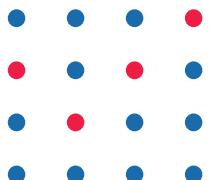
## ISO CERTIFICATES



## UL CERTIFICATES



**BRITISH  
STANDARD  
RIGID GI CONDUIT  
SYSTEM**



**PLEASE NOTE:**

Binding materials used to make up bundles of conduit are not intended to be used when lifting this product which should be handled only with approved slings.

**HEAVY GAUGE CONDUIT WELDED - SCREWED**

Manufactured in accordance with BS 4568/BS 61386/BS 31/BS 6053/BS 6099 (I.E.C.614) where applicable. Each 3.75 meter length is screwed on both ends and complete with one solid coupling.

	External diameter	No. of lengths per bundle	No. of bundles per master bundle	Meters per master bundle	Approx. weight per master bundle (tonnes)
BS 4568/BS EN 50086/BS EN 61386  Class 4 finish Hot dipped galvanised inside and outside  3.75 meter lengths	20mm 25mm 32mm	8 8 4	50 40 25	1500 1200 375	1.00 0.96 0.6
BS 31 class 4 finish  Hot dipped galvanised inside and outside  3.75 meter lengths	1 1/2" 2"	4	25 25	375 375	0.7 0.87



The conduit shown in the picture is packed and shipped in Master Bundles. Each Master Bundle comprises the stated number of individual bundles measuring approximately 55-60 centimeters in diameter and 3.75 meters long. The weight varies according to the size and finish of the conduit, but approximate weights are shown above.



**STOCKS, DIES, GUIDES**

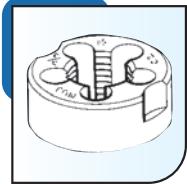
Complete set comprising stock, dies and guides. To screw conduit dia of 20mm up to 2".



SD2025: Complete set comprising stock, dies and guides for 20mm and 25mm conduit. Overall dia. of dies 42mm.

SD32: Complete set comprising stock die and guide for 32mm conduit. Overall dia. of die 63.5mm.

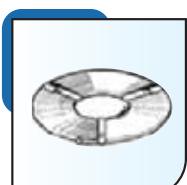
SD3850: Complete set comprising stock, dies and guides for and 1½" and 2" conduit. Overall dia. of dies 3½".

**Die - Spare Steel**

		Overall dia. of die
DE16	16mm die	42mm
DE20	20mm die	42mm
DE25	25mm die	42mm
DE32	32mm die	63.5
DE38	1½" die	3½"
DE50	2" die	3½"

**Guide - Spare Steel**

		Overall dia. of die
GE16	16mm guide	42mm
GE20	20mm guide	42mm
GE25	25mm guide	42mm
GE32	32mm guide	63.5
GE38	1½" guide	3½"
GE50	2" guide	3½"

**Draw-In Tapes - Steel**

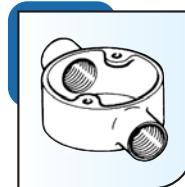
No. DT20	Size	20 meters x 3.2mm
No. DT30	Size	30 meters x 3.2mm

**BOXES - CIRCULAR, SMALL**

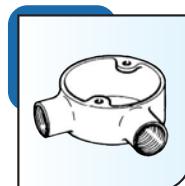
Material: Malleable iron  
 Finish: Hot dipped galvanised  
 Internal diameter: 60.3mm  
 20mm boxes: Minimum 25mm deep  
 25mm boxes: Minimum 28mm deep  
 Tapped: M4 at 50.8mm centres  
 With a tapped hole in the base for the earthing screw.  
 Supplied without covers or fixing screws unless ordered.

**Terminal No. M181**

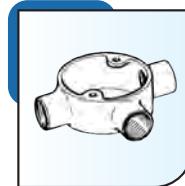
Size	20mm	25mm
Standard pack qty	10	10

**Through No. M182**

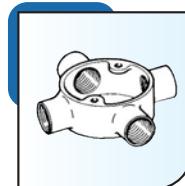
Size	20mm	25mm
Standard pack qty	10	10

**Angle No. M183**

Size	20mm	25mm
Standard pack qty	10	10

**Tee No. M184**

Size	20mm	25mm
Standard pack qty	10	10

**Intersection No. M185**

Size	20mm	25mm
Standard pack qty	8	8

**Back Outlet No. M186**

Size	20mm	25mm
Standard pack qty	10	10

**Terminal & Back Outlet No. M187**

Size	20mm	25mm
Standard pack qty	9	9

**Through & Back Outlet No. M188**

Size	20mm	25mm
Standard pack qty	9	9

**Angle & Back Outlet No. M189**

Size                    20mm    25mm  
 Standard pack qty    9            9

**Tee & Back Outlet No. M190**

Size                    20mm    25mm  
 Standard pack qty    9            8

**Intersection & Back Outlet No. M191**

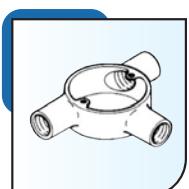
Size                    20mm    25mm  
 Standard pack qty    7            6

**Tangent Through No. M192**

Size                    20mm    25mm  
 Standard pack qty    10          10

**Tangent Angle No. M193**

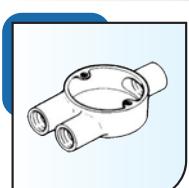
Size                    20mm    25mm  
 Standard pack qty    10          10

**Tangent Tee No. M194**

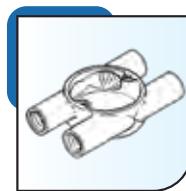
Size                    20mm    25mm  
 Standard pack qty    10          10

**Branch Two Way (U) No. M195**

Size                    20mm    25mm  
 Standard pack qty    10          10

**Branch Three Way (Y) No. M196**

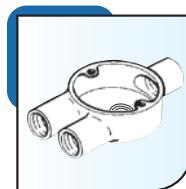
Size                    20mm    25mm  
 Standard pack qty    10          10

**Twin Through Way (H) No. M197**

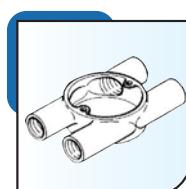
Size                    20mm    25mm  
 Standard pack qty    10          10

**Branch Two Way (U) & Back Outlet Box No. M198**

Size                    20mm    25mm  
 Standard pack qty    10          10

**Branch Three Way (Y) & Back Outlet Box No. M199**

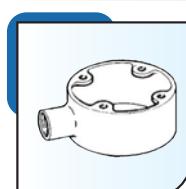
Size                    20mm    25mm  
 Standard pack qty    10          10

**Twin Through Way (H) & Back Outlet Box No. M200**

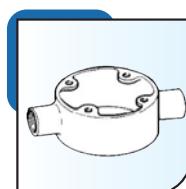
Size                    20mm    25mm  
 Standard pack qty    10          10

## BOXES - CIRCULAR, LARGE

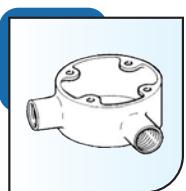
Material: Malleable iron  
 Finish: Hot dipped galvanised  
 Internal diameter: 81mm  
 20mm boxes: Minimum 35mm deep  
 25mm boxes: Minimum 35mm deep  
 32mm boxes: Minimum 38mm deep  
 1½" box: Minimum 44mm deep  
 2" box: Minimum 57mm deep  
 Tapped: M4 at 71.5mm centres  
 With a tapped hole in the base for the earthing screw.  
 Supplied without covers or fixing screws unless ordered.

**Terminal No. M211**

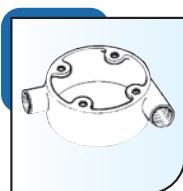
Size                    20mm    25mm    32mm  
 Standard pack qty    5            5            5  
 Size 1½" and 2" Available on special request only

**Through No. M212**

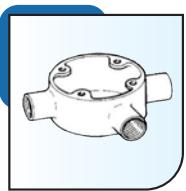
Size                    20mm    25mm    32mm  
 Standard pack qty    5            5            5  
 Size 1½" and 2" Available on special request only

**Angle No. M213**

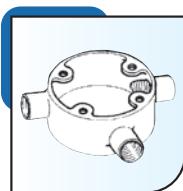
Size 20mm 25mm 32mm  
 Standard pack qty 5 5 5  
 Size 1½" and 2" Available on special request only

**Tangent Angle No. M222**

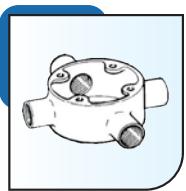
Size 20mm 25mm 32mm  
 Standard pack qty 5 5 5

**Tee No. M214**

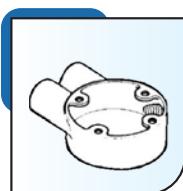
Size 20mm 25mm 32mm  
 Standard pack qty 5 5 5  
 Size 1½" and 2" Available on special request only

**Tangent Tee No. M223**

Size 20mm 25mm 32mm  
 Standard pack qty 5 5 5

**Intersection No. M215**

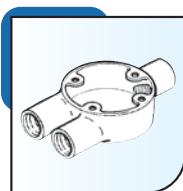
Size 20mm 25mm 32mm  
 Standard pack qty 5 5 5  
 Size 1½" and 2" Available on special request only

**Twin Through Way (U) No. M225**

Size 20mm 25mm 32mm  
 Standard pack qty 5 5 5

**Back Outlet No. M216**

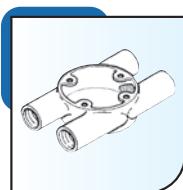
Size 20mm 25mm 32mm  
 Standard pack qty 5 5 5

**Branch Three Way (Y) M226**

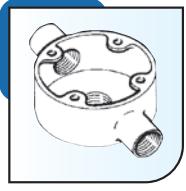
Size 20mm 25mm 32mm  
 Standard pack qty 5 5 5

**Terminal & Back Outlet No. M217**

Size 20mm 25mm 32mm  
 Standard pack qty 5 5 5

**Twin Through Way (H) No. M227**

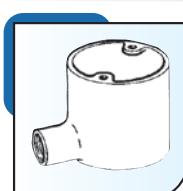
Size 20mm 25mm 32mm  
 Standard pack qty 5 5 5

**Through & Back Outlet No. M218**

Size 20mm 25mm 32mm  
 Standard pack qty 5 5 5

**Angle & Back Outlet No. M219**

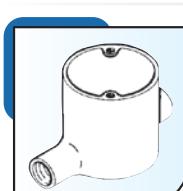
Size 20mm 25mm 32mm  
 Standard pack qty 5 5 5

**Terminal No. M231**

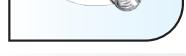
Size 20mm 25mm  
 Standard pack qty 5 5  
 Size 1½" and 2" Available on special request only

**Tee & Back Outlet No. M220**

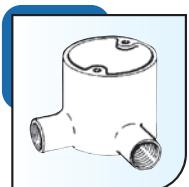
Size 20mm 25mm 32mm  
 Standard pack qty 5 5 5

**Through No. M232**

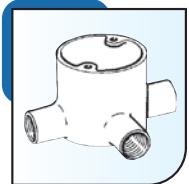
Size 20mm 25mm  
 Standard pack qty 5 5

**Intersection & Back Outlet No. M221**

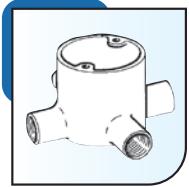
Size 20mm 25mm 32mm  
 Standard pack qty 5 5 5

**Angle No. M233**

Size                    20mm    25mm  
 Standard pack qty    5            5

**Tee No. M234**

Size                    20mm    25mm  
 Standard pack qty    5            5

**Intersection No. M235**

Size                    20mm    25mm  
 Standard pack qty    5            5

## BOXES - CIRCULAR, SMALL EXTENSION PATTERN

Material:              Malleable iron  
 Finish:                  Hot dipped galvanised  
 Internal diameter:    60.3mm  
 20mm boxes:           Minimum 25mm deep  
 25mm boxes:           Minimum 28mm deep  
 Tapped:                M4 at 50.8mm centres  
 With a tapped hole in the base for the earthing screw.  
 Supplied without covers or fixing screws unless ordered.

**Terminal No. M241**

Size                    20mm    25mm  
 Standard pack qty    10          10

**Through No. M242**

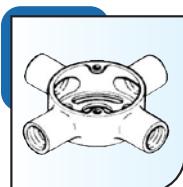
Size                    20mm    25mm  
 Standard pack qty    10          10

**Angle No. M243**

Size                    20mm    25mm  
 Standard pack qty    10          10

**Tee No. M244**

Size                    20mm    25mm  
 Standard pack qty    10          10

**Intersection No. M245**

Size                    20mm    25mm  
 Standard pack qty    8            8

## BOXES - CEILING ROSE

Material:              Malleable iron  
 Finish:                  Hot dipped galvanised  
 Internal diameter/depth: 55mm minimum/12.5mm minimum  
 Tapped:                M4 at 50.8mm centres.  
 With a tapped hole in the base for the earthing screw.

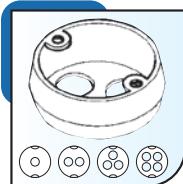
**Shallow No. M361**

Size                    20mm  
 Standard pack qty    10

Note this is a special modified version of M186

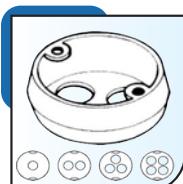
## BOXES - LOOPING IN

With a tapped hole in the base for the earthing screw.  
 20mm or 25mm clearance.

**Medium, Steel No. R274**

Material               Steel  
 Finish                  Galvanised  
 Size                    29mm deep x 63.5mm internal diameter  
 Standard pack qty    10

With a tapped hole in the base for the earthing screw.  
 20mm: 1, 2, 3, 4 holes.    25mm: 1, 2 holes.

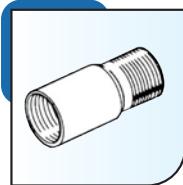
**Medium, Malleable iron No. M272**

Material               Malleable iron  
 Finish                  Hot dipped galvanised  
 Size                    31mm deep x 63.5mm internal diameter  
 Standard pack qty    10

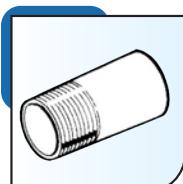
With a tapped hole in the base for the earthing screw.  
 20mm: 1, 2, 3, 4 holes.

## ADAPTORS

Material:              Steel  
 Finish:                  Electro zinc plated

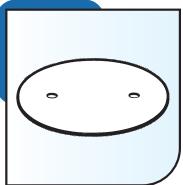
**Imperial to Metric Adaptor No. R114**

Size                    ¾" male to 20mm female  
 Standard pack qty    100  
 Size                    1" male to 25mm female  
 Standard pack qty    50

**Metric to Imperial Adaptor No. R115**

Size                    20mm male to ¾" female  
 Standard pack qty    100  
 Size                    25mm male to 1" female  
 Standard pack qty    50

## COVERS - CIRCULAR SMALL



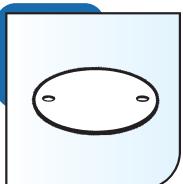
**Cover, Overlapping, Loose, No Screws  
No. R280**

Material Steel  
Finish Hot dipped galvanised  
Standard pack qty 50



**Cover, Female Dome, No. R289**

Material	Steel
Finish	Hot dipped galvanised
Size	20mm 25mm
Standard pack qty	25 25



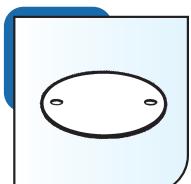
**Cover, Loose, No Screws. No. R281**

Material Steel  
Finish Hot dipped galvanised  
Standard pack qty 100



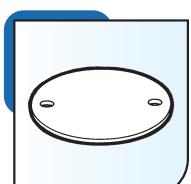
**Cover, Ball & Socket Earthed  
No. R290**

Material	Steel
Finish	Hot dipped galvanised
Size	20mm 25mm
Standard pack qty	25 25



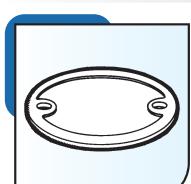
**Cover, Loose, No Screws. No. RC281**

Material Steel  
Finish Galvanised  
Standard pack qty 100



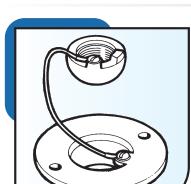
**Cover, Heavy, Loose, No Screws  
No. R282**

Material Steel  
Finish Hot dipped galvanised  
Standard pack qty 50



**Cover, Heavy, Loose, No Screws  
No. M283**

Material Malleable iron  
Finish Hot dipped galvanised  
Standard pack qty 50



**Cover, Ball & Socket, Earthed  
No. M286**

Material Malleable iron with copper earth wire  
Finish Hot dipped galvanised  
Size 20mm 25mm  
Standard pack qty 25 25



**Cover, Hook Dome, Combined  
No. R287**

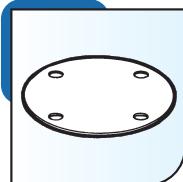
Material Steel  
Finish Hot dipped galvanised  
Standard pack qty 25



**Cover, Female Dome,  
No. M288**

Material Malleable iron  
Finish Hot dipped galvanised  
Size 20mm 25mm  
Standard pack qty 25 25

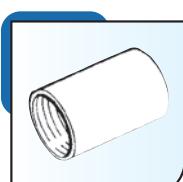
## COVERS - CIRCULAR LARGE



**Cover, Light, Loose, No Screws  
No. R381**

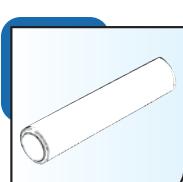
Material	Steel
Finish	Hot dipped galvanised
Standard pack qty	50

## COUPLINGS



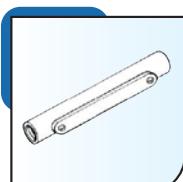
**Coupling, Solid No. R101**

Material	Steel
Finish	Hot dipped galvanised
Size	20mm 25mm 32mm
Standard pack qty	100 50 50
Size	1½" 2"
Standard pack qty	25 10



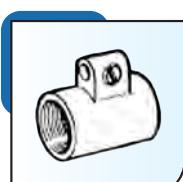
**Expansion Coupling, Solid No. R104**

Material	Steel
Finish	Hot dipped galvanised
Size	20mm 25mm 32mm
Standard pack qty	50 50 50
Size	38mm 50mm
Standard pack qty	25 10



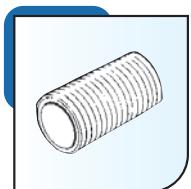
**Coupling, Inspection No. M103**

Material	Malleable iron body, 16mm-32mm, 1½"-2" Steel cover
Finish	Hot dipped galvanised
Size	20mm 25mm 32mm
Standard pack qty	25 10 5
Size	1½" 2"
Standard pack qty	5 1

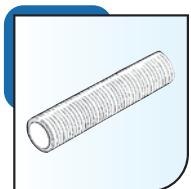


**Coupling, Earthing No. M105/R105**

Material	M105 (Malleable iron) R105 (Steel)
Finish	Hot dipped galvanised
Size	20mm 25mm 32mm
Standard pack qty	50 50 25
Size	1½" 2"
Standard pack qty	25 10

**Nipple, Normal No. F107**

Material	Steel
Finish	Galvanised
Size	20mm 25mm 32mm
Standard pack qty	100 50 50
Size	1½" 2"
Standard pack qty	50 25

**Nipple, 300mm Long No. F109**

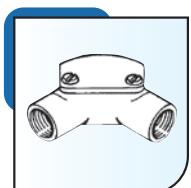
Material	Steel
Finish	Galvanised
Size	20mm 25mm 32mm
Standard pack qty	25 20 15
Size	1½" 2"
Standard pack qty	10 5

**Coupling, Flanged, No. M110/M111**

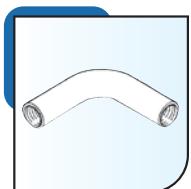
Material	Malleable iron complete with washer and brass bush.		
	Neoprene washer provides a greater degree of protection from the ingress of dust and/or liquid.		
Finish	Hot dipped galvanised		
	M110 (Lead washer)		
	M111 (Neoprene washer)		
Size	20mm 25mm 32mm		
Standard pack qty	50 50 25		
Size	1½" 2"		
Standard pack qty	10 10		

**ELBOWS****Elbow, Solid No. M121**

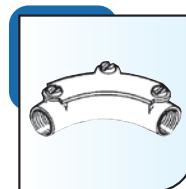
Material	Malleable iron		
Finish	Hot dipped galvanised		
Size	20mm 25mm 32mm		
Standard pack qty	25 25 10		
Size	1½" 2"		
	Are available on request only		

**Elbow, Channel Inspection, No. M123**

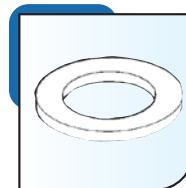
Material	Malleable iron,		
	20mm-32mm, 1½"-2" steel cover		
Finish	Hot dipped galvanised		
Size	20mm 25mm 32mm		
Standard pack qty	25 25 10		
Size	1½" 2"		
	Are available on request only		

**BENDS****Bends, Normal, Internal Thread No. R141**

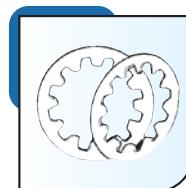
Material	Steel		
Finish	Hot dipped galvanised		
Size	20mm 25mm 32mm		
Standard pack qty	15 10 4		
Size	1½" 2"		
	Are available on request only		

**Bend, Inspection No. M145**

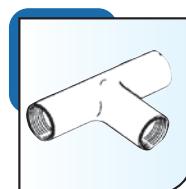
Material	Malleable iron, 20mm-32mm, 1½"-2" steel cover		
Finish	Hot dipped galvanised		
Size	20mm 25mm 32mm		
Standard pack qty	20 10 5		
Size	1½" 2"		
	Are available on request only		

**WASHERS****Lead No. F112 , Neoprene No. F113**

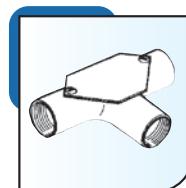
Size	20mm	25mm	32mm
Standard pack qty	250	250	250
Size	1½"	2"	
Standard pack qty	25	25	

**Serrated No. F116**

Material	Steel		
Finish	Self colour, zinc plated		
Size	20mm 25mm 32mm		
Standard pack qty	500 400 100		

**TEES****Tee, Solid No. M131**

Material	Malleable iron		
Finish	Hot dipped galvanised		
Size	20mm 25mm 32mm		
Standard pack qty	20 10 10		
Size	1½" 2"		
	Are available on request only		

**Tee, Channel Inspection, No. M133**

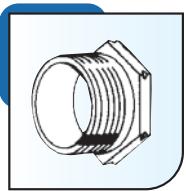
Material	Malleable iron body		
Finish	20mm-32mm steel cover		
Size	1½"-2" steel cover		
Standard pack qty	Hot dipped galvanised		
Size	20mm 25mm 32mm		
Standard pack qty	20 10 5		
Size	1½" 2"		
	Are available on request only		

**RINGS****Ring, Extension No. M294/R294**

Material	M294 (Malleable iron) R294 (Steel)		
Finish	Hot dipped galvanised		
Size	10mm 13mm		
Standard pack qty	50 50		
Size	16mm 19mm 25mm		
Standard pack qty	25 25 25		
Size	32mm 38mm 50mm		
Standard pack qty	10 10 10		

**Clip, Earthing No. F506**

Material	Copper
Finish	Self colour
Size	20mm 25mm 32mm
Standard pack qty	100 100 50
Size	1½" 2"
Standard pack qty	50 50

**BUSHES****Bush, Short Male No. F531**

Material	Brass
Finish	Self colour
Size	20mm 25mm 32mm
Standard pack qty	150 100 50
Size	1½" 2"
Standard pack qty	25 25

**Bush, Long Male No. F532**

Material	Brass
Finish	Self colour
Size	20mm 25mm 32mm
Standard pack qty	100 50 25
Size	1½" 2"
Standard pack qty	25 15

**Bush, Female No. F534**

Material	Brass
Finish	Self colour
Size	20mm 25mm 32mm
Standard pack qty	200 150 100
Size	1½" 2"
Standard pack qty	50 25

**PLUGS AND GLANDS****Plug, Hexagon Head, No. M527**

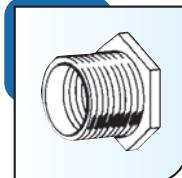
Material	Malleable iron
Finish	Hot dipped galvanised
Size	20mm 25mm 32mm
Standard pack qty	100 100 50
Size	1½" 2"
Standard pack qty	50 25

**Plug, Slotted Head, No. F535**

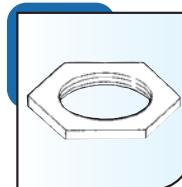
Material	Brass
Finish	Self colour
Size	20mm 25mm 32mm
Standard pack qty	100 50 25
Size	1½" 2"
Standard pack qty	100 50

**Gland for T.R.S. or similar cable No. F538**

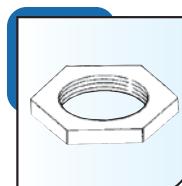
Material	Brass
Finish	Self colour
Size	20mm 25mm
Standard pack qty	50 50

**REDUCERS****Reducer No. M471**

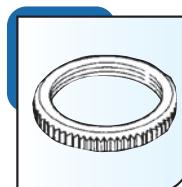
Material	Malleable iron
Finish	Hot dipped galvanised
Size	20 x 16mm 25 x 16mm
Standard pack qty	100 100
Size	25 x 20mm 32 x 20mm
Standard pack qty	100 50
Size	32 x 25mm 1¼" x 20mm
Standard pack qty	50 50
Size	1¼" x 25mm ½" x 20mm
Standard pack qty	50 50
Size	1½" x 25mm ½" x 32mm
Standard pack qty	25 50
Size	2" x 25mm 2" x 32mm
Standard pack qty	20 25
Size	2" x 1½" 20
Standard pack qty	20

**LOCKNUTS****Locknut, Hexagon No. R507**

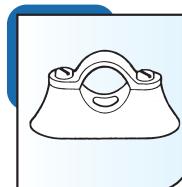
Material	Steel
Finish	Hot dipped galvanised
Size	20mm 25mm 32mm
Standard pack qty	600 400 100
Size	1½" 2"
Standard pack qty	100 50

**Locknut, Hexagon Heavy No. R509**

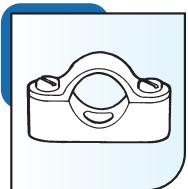
Material	Steel
Finish	Hot dipped galvanised
Size	20mm 25mm 32mm
Standard pack qty	100 100 100
Size	1½" 2"
Standard pack qty	50 50

**Locknut, Circular, Milled Edge No. F505**

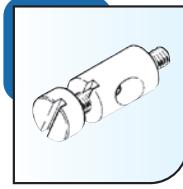
Material	Steel
Finish	Self colour, zinc plated
Size	20mm 25mm 32mm
Standard pack qty	600 400 100
Size	1½" 2"
Standard pack qty	100 50

**SADDLES****Saddle, Hospital No. M362**

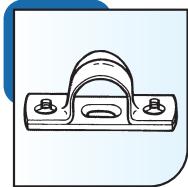
Material	Malleable iron base, with steel top
Finish	Hot dipped galvanised
Size	20mm 25mm 32mm
Standard pack qty	50 25 25
Size	1½" 2"
Standard pack qty	25 10

**Saddle, Distance No. M363**

Material	Malleable iron base, with steel top		
Finish	Hot dipped galvanised		
Size	20mm	25mm	32mm
Standard pack qty	50	50	25
Size	1½"	2"	
Standard pack qty	25	10	

**Brass. M4 Earth Terminal Studs No. F657**

Standard pack qty 500

**Saddle, Spacer Bar, One Way No. R431**

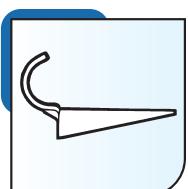
Material	Steel		
Finish	Galvanised		
Size	20mm	25mm	32mm
Standard pack qty	100	100	50
Size	1½"	2"	
Standard pack qty	30	20	

**Clip (Half Saddle) No. F441**

Material	Steel		
Finish	Galvanised		
Size	20mm	25mm	32mm
Standard pack qty	100	100	100

**Saddle, 1 Way (Single) No. R451**

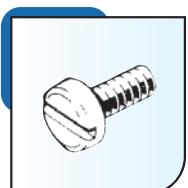
Material	Steel		
Finish	Galvanised		
Size	20mm	25mm	32mm
Standard pack qty	100	100	50
Size	1½"	2"	
Standard pack qty	50	50	

**Crampet, Steel No. F461**

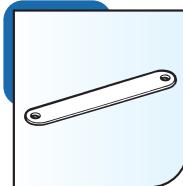
Material	Steel		
Finish	Galvanised		
Size	20mm	25mm	32mm
Standard pack qty	100	100	

**SCREWS****Brass, M4 Pan Head No. F645**

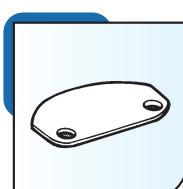
Length	6mm	10mm	12mm
	16mm	20mm	25mm
Standard pack qty	500		

**Screw - Steel, Bright Zinc Plated. M4 Pan Head No. F645**

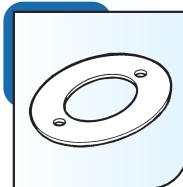
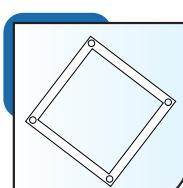
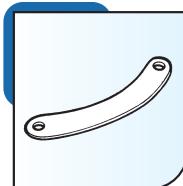
Length	5mm	6mm
Standard pack qty	500	

**GASKETS****Rubber/Neoprene Gasket for Coupling Inspection No. F401**

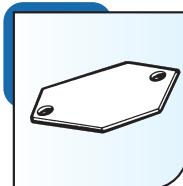
Size	20mm	25mm	32mm
Size	1½"		

**Rubber/Neoprene Gasket for Elbow, Channel Inspection No. F402**

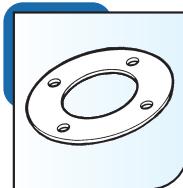
Size	20mm	25mm	32mm
Size	1½"		

**Rubber/Neoprene Gasket for Box, Small Circular No. F409****Rubber/Neoprene Gasket for Adaptable boxes No. F415****Rubber/Neoprene Gasket for Bend, Inspection No. F408**

Size	20mm	25mm	32mm
Size	1½"		

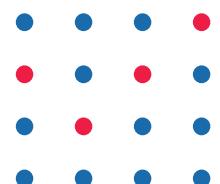
**Rubber/Neoprene Gasket for Tee, Channel Inspection No. F405**

Size	20mm	25mm	32mm
Size	1½"		

**Rubber/Neoprene Gasket for Box, Large Circular No. F410**



ADAPTABLE  
BOXES



## ADAPTABLE BOXES

Barton adaptable boxes are manufactured from steel and are available with plain sides or knockouts.

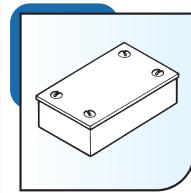
The standard finish is galvanised. Where boxes are supplied with knockouts, the number and size are as follows:

Width of side mm	Number of K.O.'s in each side	Size of K.O.
75	2	20mm
100	2	20mm and 25mm
150	3	20mm and 25mm
225	5	20mm and 25mm
300	7	20mm and 25mm

Flanged lids are fitted as standard to all boxes and are secured by M5 x 8mm mushroom head screws.

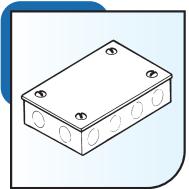
Neoprene gaskets are available and supplied to order at an extra charge (F415).

The complete range is manufactured in accordance with BS 4568 Part 2 and BS 60670.



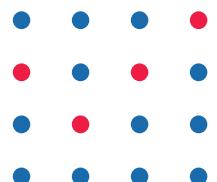
**Adaptable Boxes Plain  
No. RC261**

Size		Pack qty
mm	Inches	
75 x 75 x 37.5	3 x 3 x 1½	1
75 x 75 x 50	3 x 3 x 2	1
75 x 75 x 75	3 x 3 x 3	1
100 x 75 x 37.5	4 x 3 x 1½	1
100 x 75 x 50	4 x 3 x 2	1
100 x 100 x 37.5	4 x 4 x 1½	1
100 x 100 x 50	4 x 4 x 2	1
100 x 100 x 75	4 x 4 x 3	1
100 x 100 x 100	4 x 4 x 4	1
150 x 75 x 37.5	6 x 3 x 1½	1
150 x 75 x 50	6 x 3 x 2	1
150 x 75 x 75	6 x 3 x 3	1
150 x 100 x 37.5	6 x 4 x 1½	1
150 x 100 x 50	6 x 4 x 2	1
150 x 100 x 75	6 x 4 x 3	1
150 x 150 x 37.5	6 x 6 x 1½	1
150 x 150 x 50	6 x 6 x 2	1
150 x 150 x 75	6 x 6 x 3	1
150 x 150 x 100	6 x 6 x 4	1
150 x 150 x 150	6 x 6 x 7	1
200 x 150 x 150	8 x 6 x 2	1
200 x 200 x 100	8 x 8 x 4	1
200 x 200 x 150	8 x 8 x 6	1
225 x 75 x 37.5	9 x 3 x 1½	1
225 x 75 x 50	9 x 3 x 2	1
225 x 75 x 75	9 x 3 x 3	1
225 x 100 x 75	9 x 4 x 3	1
225 x 150 x 37.5	9 x 6 x 1½	1
225 x 150 x 50	9 x 6 x 2	1
225 x 150 x 75	9 x 6 x 3	1
225 x 150 x 100	9 x 6 x 4	1
225 x 225 x 50	9 x 9 x 2	1
225 x 225 x 75	9 x 9 x 3	1
225 x 225 x 100	9 x 9 x 4	1
225 x 225 x 150	9 x 9 x 6	1
300 x 150 x 50	12 x 6 x 2	1
300 x 150 x 75	12 x 6 x 3	1
300 x 150 x 100	12 x 6 x 4	1
300 x 225 x 50	12 x 9 x 2	1
300 x 225 x 75	12 x 9 x 3	1
300 x 225 x 100	12 x 9 x 4	1
300 x 300 x 37.5	12 x 12 x 1	1
300 x 300 x 50	12 x 12 x 2	1
300 x 300 x 75	12 x 12 x 3	1
300 x 300 x 100	12 x 12 x 4	1
300 x 300 x 150	12 x 12 x 6	1
400 x 300 x 150	16 x 12 x 6	1
450 x 450 x 150	18 x 18 x 6	1
600 x 600 x 150	24 x 24 x 6	1



**Adaptable Boxes with Knockouts  
No.RC262**

**SWITCH &  
SOCKET BOXES  
(SSB)**



## SWITCH & SOCKET BOXES (SSB)

A comprehensive range of switch & socket boxes manufactured in two depths, 35mm and 47mm, available in one and two-gang configurations. To facilitate the easy fitting of accessories into the boxes, they are designed with at least one adjustable lug.



**Adjustable Lug**

All Barton switch & socket boxes include a unique regulation brass earth terminal into which several earth wires can be fitted from either the inside or outside of the box.



**Regulation Brass Earth Terminal**

Each box is produced with a specified number and size of knockouts which allow adequate cable entries for wiring purposes.

### Nominal dimensions

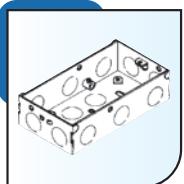
One gang: 72mm x 72mm  
Two gang: 132mm x 72mm

Material: Pre-coated galvanised steel  
Barton switch & socket boxes are manufactured in accordance with BS 4662.  
Wall thickness: 1.1mm



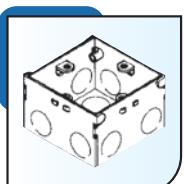
**Switch & Socket Boxes 35mm deep  
No. BCC82RE2025**

Gang	Type of entry	Fixing lugs	Pack qty.
One Gang	20 and 25mm KO's	3 Fixed and 1 adjustable	20



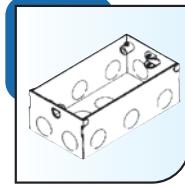
**Switch & Socket Boxes 35mm deep  
No. BCC92RE2025**

Gang	Type of entry	Fixing lugs	Pack qty.
Two Gang	20 & 25mm KO's	1 Fixed and 1 adjustable	10



**Switch & Socket Boxes 47mm deep  
No. BCC14RE**

Gang	Type of entry	Fixing lugs	Pack qty.
One Gang	20 & 25mm KO's	3 Fixed and 1 adjustable	5



**Switch & Socket Boxes 47mm deep  
No. BCC22RE**

Gang	Type of entry	Fixing lugs	Pack qty.
Two Gang	20 and 25mm KO's	1 Fixed and 1 adjustable	5

## EXTENSION BACK BOX

A switch & socket extension back box is used to extend standard flush wall boxes that have been sunk in too deep or to accommodate deeper wiring accessories.

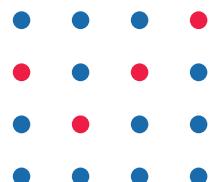


**Extension Back Box**

Material: Steel  
Finish: Pre-coated galvanised steel

Part No	Extension back box dimensions
BCEXT1G16	16mm 1 Gang extension box
BCEXT1G25	25mm 1 Gang extension box
BCEXT1G35	35mm 1 Gang extension box
BCEXT2G16	16mm 2 Gang extension box
BCEXT2G25	25mm 2 Gang extension box
BCEXT2G35	35mm 2 Gang extension box

**GI CONDUIT  
BENDING  
MACHINE**





**LIGHT WEIGHT**

**STRONG**

**PORTABLE**

**DURABLE**

**VERSATILE DESIGN**

**HIGH STABILITY**

**HIGH QUALITY SQUARE STEEL TUBE FRAME**

## FORMER

20mm, 25mm, and 32mm formers available.

**20 mm former**



**25 mm former**

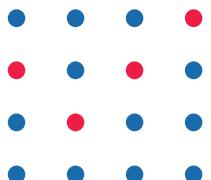


**32 mm former**



		<b>BT 2025</b>	<b>BT 32</b>
Pipe Diameter Capacity	20mm	Yes	Yes
	25mm	Yes	Yes
	32mm	No	Yes
Package Includes	Conduit bending machine	Yes	Yes
	Integrated pipe vice	Yes	Yes
	Guides & formers		
	20mm	Yes	Yes
	25mm	Yes	Yes
	32mm	No	Yes

BRITISH  
STANDARD  
FLEXIBLE CONDUIT  
& ACCESSORIES



## STANDARD FLEXIBLE METALLIC CONDUIT

- Galvanised steel No. **F562**
- Internal Diameter:  
16mm, 20mm, 25mm, 32mm, 40mm, 50mm, and 63mm



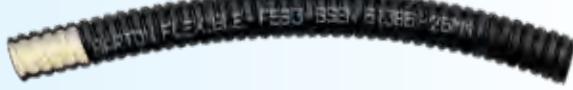
## LOW SMOKE AND FUME COVERED FLEXIBLE METALLIC CONDUIT

- Galvanised steel LSF covered No. **F582**
- Available as standard in black LSF sheathed for added protection against ingress of dirt, moisture, and grease
- A full range of fittings is also available



## LOW SMOKE ZERO HALOGEN (LSZH) COVERED FLEXIBLE METALLIC CONDUIT

- Galvanised steel black flame retardant LSZH covered No. **F583**
- Available as standard in black LSZH covering for added protection against fire, with zero halogen and low smoke release. Also, it protects against dirt, moisture, and grease
- A full range of fittings is also available



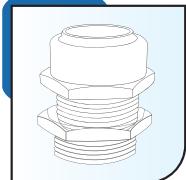
## LIQUID TIGHT LSF/LSZH COVERED FLEXIBLE METALLIC CONDUIT

- Galvanised steel liquid tight LSF covered No. F592/F593
- Available as standard in black liquid tight LSF/LSZH sheathed for added mechanical protection.
- High tensile strength and superior ingress protection due to cotton packing
- A full range of fittings is also available



Note: 20mm and 25mm sizes are packaged in 30 meter rolls, while the 32mm, 40mm, and 50mm sizes are supplied in 20 meter rolls.

## ADAPTORS (FLEXIBLE CONDUIT FITTINGS)

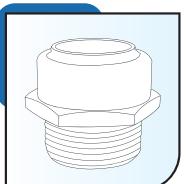


### Flexible Conduit Fittings (Zinc)

Part code	F543ZNCNOD
Description	Conduit fittings for Bare, LSF and LSZH flexible conduit-male
Material	Zinc
Finish	Nickel plated

Locknut included

Conduit size	Standard pack qty
20mm	100
25mm	50
32mm	30
40mm	20
50mm	10

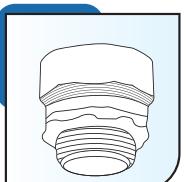


### Flexible Conduit Fittings (Brass)

Part code	F543BRSNOD
Description	Conduit fittings for Bare, LSF and LSZH flexible conduit-male
Material	Brass
Finish	Nickel plated

Conduit size	Standard pack qty
20mm	100
25mm	50
32mm	30
40mm	20
50mm	10

Locknuts are available & supplied to order at an extra charge



### Liquid Tight Flexible Conduit Fittings (Zinc)

Part code	F542ZNCLTOD
Description	Liquid Tight flexible conduit fittings
Material	Zinc
Finish	Zinc die cast

Conduit size	Standard pack qty
20mm	60
25mm	40
32mm	20



### Liquid Tight Flexible Conduit Fittings (Brass)

Part code	F542NLTOD
Description	Liquid Tight flexible conduit fittings
Material	Brass
Finish	Nickel plated

Conduit size	Standard pack qty
20mm	50
25mm	40
32mm	15
40mm	10
50mm	8
63mm	3

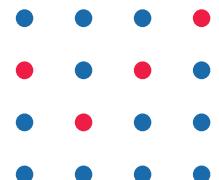
Female thread adaptors are available on request

Part code: **F543FZNOD**

**REFER TO BARTON FLEXIBLE CATALOGUE FOR A COMPLETE RANGE OF FLEXIBLE CONDUITS AND FITTINGS.**



**UL STANDARD  
EMT CONDUIT  
SYSTEM**



## EMT – ELECTRICAL METALLIC TUBING



- High-capacity, lightweight steel conduit tube for optimal protection
- Thin-walled unthreaded steel conduit tube
- Manufactured from galvanised high-grade steel
- Supplied in 10 feet (3.05m) lengths without couplers/connectors
- Connected using EMT fittings
- Underwriters Laboratory UL797, file no E534889
- American National Standard Institute ANSI C80.3
- Excellent resistance to extreme temperatures and environments
- Does not burn or produce harmful gases
- Smooth interior for easy wire pulling

### BARTON ELECTRICAL METALLIC TUBING - STEEL (DIMENSIONS)

Nominal trade size		Part number	Length	Nominal outside diameter		Nominal wall thickness	
Inch	mm			Inch	mm	Inch	mm
1/2	16	BEMT050	10 feet (3.05m)	0.706	17.93	0.042	1.07
3/4	21	BEMT075		0.922	23.42	0.049	1.24
1	27	BEMT100		1.163	29.54	0.057	1.45
1 1/4	35	BEMT125		1.510	38.35	0.065	1.65
1 1/2	41	BEMT150		1.740	44.20	0.065	1.65
2	53	BEMT200		2.197	55.80	0.065	1.65
2 1/2	63	BEMT250		2.875	73.03	2.731	69.37
3	78	BEMT300		3.500	88.90	3.356	85.24
3 1/2	91	BEMT350		4.000	101.60	3.834	97.38
4	103	BEMT400		4.500	114.30	4.334	110.08

- Large diameters are available on request

### QUALITY, ENVIRONMENT AND SERVICE

Barton EMT is the most cost-effective premium quality conduit solution, where light weight and maximum wire carrying capacity are important factors in the electrical cable protection system.

Barton EMT is manufactured to tight tolerances on modern and efficient tube rolling mills to consistently high standards.

Barton steel conduit is easily installed, reused recycled and modified. It provides excellent strength to weight and long-lasting resistance against corrosion in the most extreme of applications.

Barton products are backed by a fast, reliable, and comprehensive local service.



## EMT FITTINGS - ZINC

Standard: UL 797/ANSI C80.3/UL 514B



UL File No: E534891

**EMT Set Screw Type Coupling**

Size (Inch)	Part Code
½	BEZSS0050
¾	BEZSS0075
1	BEZSS0100
1¼	BEZSS0125
1½	BEZSS0150
2	BEZSS0200
2½	BEZSS0250
3	BEZSS0300
4	BEZSS0400

**EMT Compression Type Coupling**

Size (Inch)	Part Code
½	BEZEC0050
¾	BEZEC0075
1	BEZEC0100
1¼	BEZEC0125
1½	BEZEC0150
2	BEZEC0200



UL File No: E534891



UL File No: E534891

**EMT Set Screw Type Connector**

Size (Inch)	Part Code
½	BEZSSC050
¾	BEZSSC075
1	BEZSSC100
1¼	BEZSSC125
1½	BEZSSC150
2	BEZSSC200
2½	BEZSSC250
3	BEZSSC300
4	BEZSSC400



UL File No: E534891



UL File No: E534890

**Offset Nipple**

Size (Inch)	Part Code
½	BEOC050
¾	BEOC075
1	BEOC100
1¼	BEOC125
1½	BEOC150
2	BEOC200



UL File No: E534890

**EMT Rigid Bushing (Insulated)**

Size (Inch)	Part Code
½	BEZERB050
¾	BEZERB075
1	BEZERB100
1¼	BEZERB125
1½	BEZERB150
2	BEZERB200
2½	BEZERB250
3	BEZERB300
4	BEZERB400



UL File No: E534890

**Saddle Combination Connector**

Size (Inch)	Part Code
¾	BESDC038



UL File No: E534891

**EMT to Box Pull Elbow**

Size (Inch)	Part Code
½	BEZB050
¾	BEZB075
1	BEZB100
1¼	BEZB125
1½	BEZB150
2	BEZB200

**EMT Locknut**

Size (Inch)	Part Code
½	BEZL50
¾	BEZL75
1	BEZL100
1¼	BEZL125
½	BEZL150
2	BEZL200
2½	BEZL250
3	BEZL300
3½	BEZL350
4	BEZL400



UL File No: E534891

**EMT to Box Compression Connector**

Size (Inch)	Part Code
½	BEBC050
¾	BEBC075
1	BEBC100

- Other accessories are available on request

## EMT FITTINGS - STEEL

Standard: UL 797/ANSI C80.3/UL 514B



UL File No: E534891

**EMT Set Screw Type Coupling**

Size (Inch)	Part Code
½	BESSS0050
¾	BESSS0075
1	BESSS0100
1½	BESSS0125
1½	BESSS0150
2	BESSS0200
2½	BESSS0250
3	BESSS0300
3½	BESSS0350
4	BESSS0400



UL File No: E534891

**EMT Compression Type Coupling**

Size (Inch)	Part Code
½	BESEC0050
¾	BESEC0075
1	BESEC0100
1½	BESEC0125
1½	BESEC0150
2	BESEC0200
2½	BESEC0250
3	BESEC0300
3½	BESEC0350
4	BESEC0400



UL File No: E534891

**EMT Set Screw Type Connector**

Size (Inch)	Part Code
½	BESSC050
¾	BESSC075
1	BESSC100
1½	BESSC125
1½	BESSC150
2	BESSC200
2½	BESSC250
3	BESSC300
3½	BESSC350
4	BESSC400



UL File No: E534891

**EMT Compression Type Connector**

Size (Inch)	Part Code
½	BESECC050
¾	BESECC075
1	BESECC100
1½	BESECC125
1½	BESECC150
2	BESECC200
2½	BESECC250
3	BESECC300
3½	BESECC350
4	BESECC400



UL File No: E534891

**EMT Insulated Set Screw Connector**

Size (Inch)	Part Code
½	BESSIC050
¾	BESSIC075
1	BESSIC100
1½	BESSIC125
1½	BESSIC150
2	BESSIC200
2½	BESSIC250
3	BESSIC300
3½	BESSIC350
4	BESSIC400



UL File No: E534891

**EMT Insulated Compression Connector**

Size (Inch)	Part Code
½	BESECIC050
¾	BESECIC075
1	BESECIC100
1½	BESECIC125
1½	BESECIC150
2	BESECIC200
2½	BESECIC250
3	BESECIC300
3½	BESECIC350
4	BESECIC400



UL File No: E534890

**EMT Locknut**

Size (Inch)	Part Code
½	BEL50
¾	BEL75
1	BEL100
1½	BEL125
1½	BEL150
2	BEL200
2½	BEL250
3	BEL300
3½	BEL350
4	BEL400



UL File No: E534890

**EMT Insulated Locknut**

Size (Inch)	Part Code
½	BEIL050
¾	BEIL075
1	BEIL100
1½	BEIL125
1½	BEIL150
2	BEIL200
2½	BEIL250
3	BEIL300
3½	BEIL350
4	BEIL400
5	BEIL500
6	BEIL600

## EMT FITTINGS - STEEL



UL File No: E534891

**EMT Raintight Compression Connector**

Size (Inch)	Part Code
½	BERTCC050
¾	BERTCC075
1	BERTCC100
1¼	BERTCC125
1½	BERTCC150
2	BERTCC200
2½	BERTCC250
3	BERTCC300
3½	BERTCC350
4	BERTCC400

**EMT 45° Elbow**

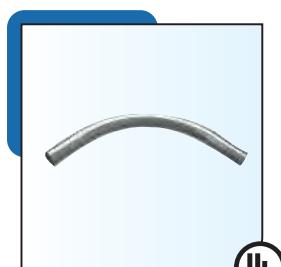
Size (Inch)	Part Code
½	BESE45050
¾	BESE45075
1	BESE45100
1¼	BESE45125
1½	BESE45150
2	BESE45200
2½	BESE45250
3	BESE45300
3½	BESE45350
4	BESE45400



UL File No: E534891

**EMT Raintight Compression Coupling**

Size (Inch)	Part Code
½	BERTCO50
¾	BERTCO75
1	BERTCO100
1¼	BERTCO125
1½	BERTCO150
2	BERTCO200
2½	BERTCO250
3	BERTCO300
3½	BERTCO350
4	BERTCO400



UL File No: E534893

**EMT 90° Elbow**

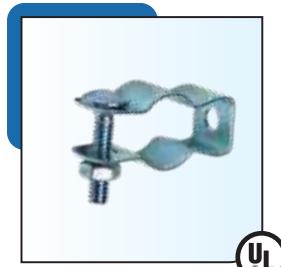
Size (Inch)	Part Code
½	BESE90050
¾	BESE90075
1	BESE90100
1¼	BESE90125
1½	BESE90150
2	BESE90200
2½	BESE90250
3	BESE90300
3½	BESE90350
4	BESE90400



UL File No: E534893

**EMT Half Saddle**

Size (Inch)	Part Code
½	BESEHS050
¾	BESEHS075
1	BESEHS100
1¼	BESEHS125
1½	BESEHS150
2	BESEHS200
2½	BESEHS250
3	BESEHS300
4	BESEHS400



UL File No: E534893

**Conduit Hanger**

Size (Inch)	Part Code
½	BESCH050
¾	BESCH075
1	BESCH100
1¼	BESCH125
1½	BESCH150
2	BESCH200
2½	BESCH250
3	BESCH300
3½	BESCH350
4	BESCH400



UL File No: E534893

**EMT Full Saddle**

Size (Inch)	Part Code
½	BESEFS050
¾	BESEFS075
1	BESEFS100
1¼	BESEFS125
1½	BESEFS150
2	BESEFS200
2½	BESEFS250
3	BESEFS300
4	BESEFS400



UL File No: E534893

**Strut Clamp**

Size (Inch)	Part Code
½	BESUSC050
¾	BESUSC075
1	BESUSC100
1¼	BESUSC125
1½	BESUSC150
2	BESUSC200
2½	BESUSC250
3	BESUSC300
3½	BESUSC350
4	BESUSC400

## FLEXIBLE METAL CONDUIT

Barton flexible steel conduit systems protect power, lighting, and data cables from vibrations, movement, corrosion, and water damage. The galvanised steel core of the conduit is manufactured with precise tolerances, in compliance with UL 1 standards, resulting in a smooth bore that facilitates easy cable pulling.

These systems are available in steel or with a PVC/liquid-tight covering. Barton steel flexible conduit systems are designed to perform well in harsh environments, such as extreme temperatures, dust, saltwater, and UV exposure.



UL File No: E534892



- Highly flexible
- High mechanical strength
- Inherent low fire hazard
  
- Operating temperature: -100°C to +300°C
- IP rating with standard fittings: IP40

### FLEXIBLE METAL CONDUIT – STEEL (DIMENSIONS)

Part number	Trade size (Inch)	External diameter (mm)	Internal diameter (mm)	Min. bend radius (mm)	Length of conduit (M/Roll)
BEFC05030	1/2	17	13	43	30
BEFC07530	3/4	23	19	50	30
BEFC10030	1	29	25	57	30
BEFC12515	1 1/4	36	32	70	15
BEFC15015	1 1/2	43	38	80	15
BEFC20015	2	55	50	95	15

- Large diameters are available on request

### PRODUCT FEATURES

- Protects cables against damage
- Reduces the risk of electrical hazards
- Used as a last mile connection
- Keeps wires safely organised in one place
- Protects installations in oil and gas, marine, aviation, healthcare, food hygiene, data centres, machinery, and transport



## LIQUID TIGHT FLEXIBLE CONDUIT



- Highly tensile strength
- Corrosion resistance
- Operating temperature: -20°C to +105°C
- IP rating with standard fittings: IP66
- Good mechanical protection
- Smooth interior for easy cable pulling

## LIQUID TIGHT FLEXIBLE CONDUIT – STEEL (DIMENSIONS)

Part number	Trade size (Inch)	External diameter (mm)		Internal diameter (mm)		Min. bend radius (mm)	Length of conduit (M/roll)
		Min	Max	Min	Max		
BELT05030	½	20.8	21.3	15.8	16.3	65	30
BELT07530	¾	26.2	26.7	20.7	21.2	75	30
BELT10030	1	32.7	33.4	26.4	26.8	100	30
BELT12515	1¼	41.4	42.2	35.5	35.4	120	15
BELT15015	1½	47.4	48.3	40.1	40.6	140	15
BELT20015	2	59.4	60.3	51.3	51.9	180	15

## FLEXIBLE CONDUIT ADAPTORS

- Large diameters are available on request



Squeeze Connector (Straight)

Size (Inch)	Part Code
⅜	BEZFSC038
½	BEZFSC050
¾	BEZFSC075
1	BEZFSC100
1¼	BEZFSC125
1½	BEZFSC150
2	BEZFSC200
2½	BEZFSC250
3	BEZFSC300
4	BEZFSC400

UL File No: E534890



Insulated Liquid Tight Connectors (Straight)

Size (Inch)	Part Code
⅜	BEZLT1038
½	BEZLT1050
¾	BEZLT1075
1	BEZLT1100
1¼	BEZLT1125
1½	BEZLT1150
2	BEZLT1200
2½	BEZLT1250
3	BEZLT1300
4	BEZLT1400

UL File No: E534890



Combinations Couplings (EMT to Flexible Conduit)

Size (Inch)	Part Code
½	BEZFCC050
¾	BEZFCC075
1	BEZFCC100

UL File No: E534890



Insulated Liquid Tight Connectors (90°)

Size (Inch)	Part Code
⅜	BEZLT9038
½	BEZLT9050
¾	BEZLT9075
1	BEZLT9100
1¼	BEZLT9125
1½	BEZLT9150
2	BEZLT9200
2½	BEZLT9250
3	BEZLT9300
4	BEZLT9400

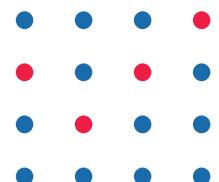
**EMT CONDUIT BENDER**

<b>Part code</b>	See table below
<b>Description</b>	EMT conduit bender
<b>Material</b>	Malleable/cast iron
<b>Product features</b>	<ul style="list-style-type: none"><li>• Lightweight, strong, portable, and versatile design to provide maximum stability</li><li>• Conduit bending for size ranging from <math>\frac{1}{2}</math>" to 1"</li><li>• Conduit bending for EMT/IMC/RMC</li></ul>



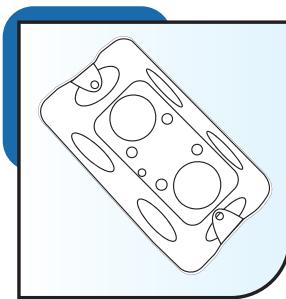
Part code	Conduit type & size
BECB025	$\frac{1}{2}$ " EMT
BECB050	$\frac{3}{4}$ " EMT, $\frac{1}{2}$ " IMC/RMC
BECB100	1" EMT, $\frac{3}{4}$ " IMC/RMC

# UTILITY BOXES



### STEEL UTILITY/OUTLET BOX - RECTANGULAR

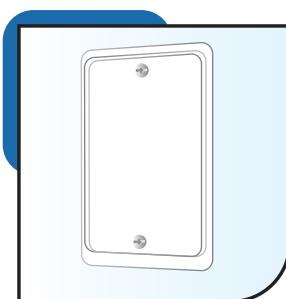
<b>Part code</b>	BTRE
<b>Material</b>	Pre-coated galvanised steel
<b>Finish</b>	Galvanised
<b>Product features</b>	<ul style="list-style-type: none"> <li>Two lugs to facilitate easy fitment of accessories</li> <li>Five fixing holes</li> <li>Utility box covers available as an option</li> </ul>



<b>Part Code</b>	<b>Item</b>	<b>Size (Inch)</b>	<b>Depth (Inch)</b>	<b>Thickness (mm)</b>	<b>Knockouts</b>			<b>Lugs</b>
					<b>Entry type (side)</b>	<b>Entry type (end)</b>	<b>Entry type (bottom)</b>	
BTRE20	Rectangular Utility/Outlet box	4 x 2½"	1 ¼"	1.2	Two x ¾"	One x ¾"	Two x ¾"	2
BTRE25	Rectangular Utility/Outlet box extra deep	4 x 2½"	2 ½"	1.2	Two x ¾"	One x ¾"	Two x ¾"	2
Pack quantity - 20 nos.								

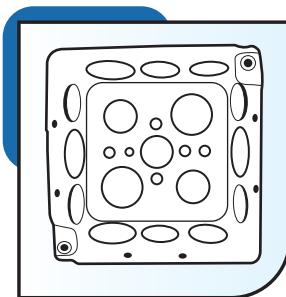
### 4" X 2" RECTANGULAR FLAT BLANK STEEL BOX COVER

<b>Part code</b>	BTRE20C
<b>Description</b>	4" X 2" Steel box cover
<b>Material</b>	Steel
<b>Finish</b>	Galvanised
<b>Product features</b>	<ul style="list-style-type: none"> <li>Each cover includes 2 screw holes for intact fitting, ensuring secure and stable installation</li> <li>Used in electrical installations to close and protect electrical boxes</li> <li>Used to create weatherproof enclosures</li> </ul>



### STEEL UTILITY/OUTLET BOX - SQUARE

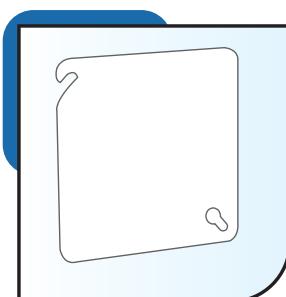
<b>Part code</b>	BTSQ
<b>Material</b>	Pre-coated galvanised steel
<b>Finish</b>	Galvanised
<b>Product features</b>	<ul style="list-style-type: none"> <li>Two lugs to facilitate easy fitment of accessories</li> <li>Five fixing holes</li> <li>Utility box covers available as an option</li> </ul>



<b>Part Code</b>	<b>Item</b>	<b>Size (Inch)</b>	<b>Depth (Inch)</b>	<b>Thickness (mm)</b>	<b>Knockouts</b>			<b>Lugs</b>
					<b>Entry type (side)</b>	<b>Entry type (end)</b>	<b>Entry type (bottom)</b>	
BTSQ10	Square Utility/Outlet Box	4" x 4"	2 1/8"	1.2	Two x 1/2"	Two x 1/2"	Three x 1/2"	2
					One x 3/4"	One x 3/4"	Two x 3/4"	
BTSQ11	Square Utility/Outlet box	4" x 4"	2 1/8"	1.2	Two x 3/4"	Two x 3/4"	Three x 1/2"	2
							Two x 3/4"	
Pack quantity - 10 nos.								

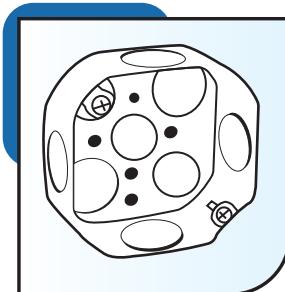
### 4" x 4" SQUARE FLAT BLANK STEEL BOX COVER

<b>Part code</b>	BTSQ10C
<b>Description</b>	4" X 4" Steel box cover
<b>Material</b>	Steel
<b>Finish</b>	Galvanised
<b>Product features</b>	<ul style="list-style-type: none"> <li>Each cover includes 2 screw holes for intact fitting, ensuring secure and stable installation</li> <li>Used in electrical installations to close and protect electrical boxes</li> <li>Used to create weatherproof enclosures</li> </ul>



### STEEL UTILITY/OUTLET BOX - OCTAGONAL

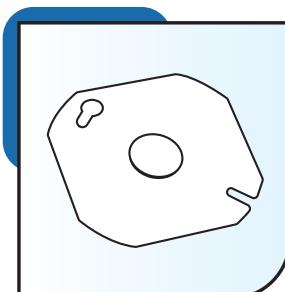
<b>Part code</b>	BTOB
<b>Material</b>	Octagonal boxes
<b>Finish</b>	Galvanised
<b>Product features</b>	<ul style="list-style-type: none"> <li>• No hazardous sharp edges or burrs</li> <li>• General purpose application</li> <li>• <math>\frac{1}{2}</math>" and <math>\frac{3}{4}</math>" knockouts</li> </ul>



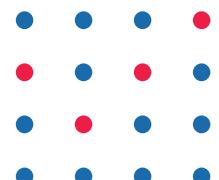
Part code	Height	Thickness	Knockouts
BTOB10	1 $\frac{1}{2}$ "	1.2mm	$\frac{1}{2}$ " and $\frac{3}{4}$ "
BTOB11	2 $\frac{1}{8}$ "	1.2mm	$\frac{1}{2}$ " and $\frac{3}{4}$ "

### 4" X 4" OCTAGONAL STEEL BOX COVER

<b>Part code</b>	BTOB10C
<b>Description</b>	4" X 4" Octagonal steel box cover
<b>Material</b>	Steel
<b>Finish</b>	Galvanised
<b>Product features</b>	<ul style="list-style-type: none"> <li>• No hazardous sharp edges or burrs</li> <li>• General purpose application</li> <li>• <math>\frac{1}{2}</math>" and <math>\frac{3}{4}</math>" knockouts</li> </ul>



**RGS-RMC  
CONDUIT  
SYSTEM**



## RGS-RMC RIGID METAL CONDUIT



- Thick walled, highly corrosion resistant, maximum strength threaded, ductile steel conduit for cable systems
- Hot dipped galvanised after manufacture for maximum protection
- NPT threaded fittings
- Excellent resistance to extreme temperatures and corrosive environments
- Does not burn or produce harmful gases
- Smooth interior for easy wire pulling



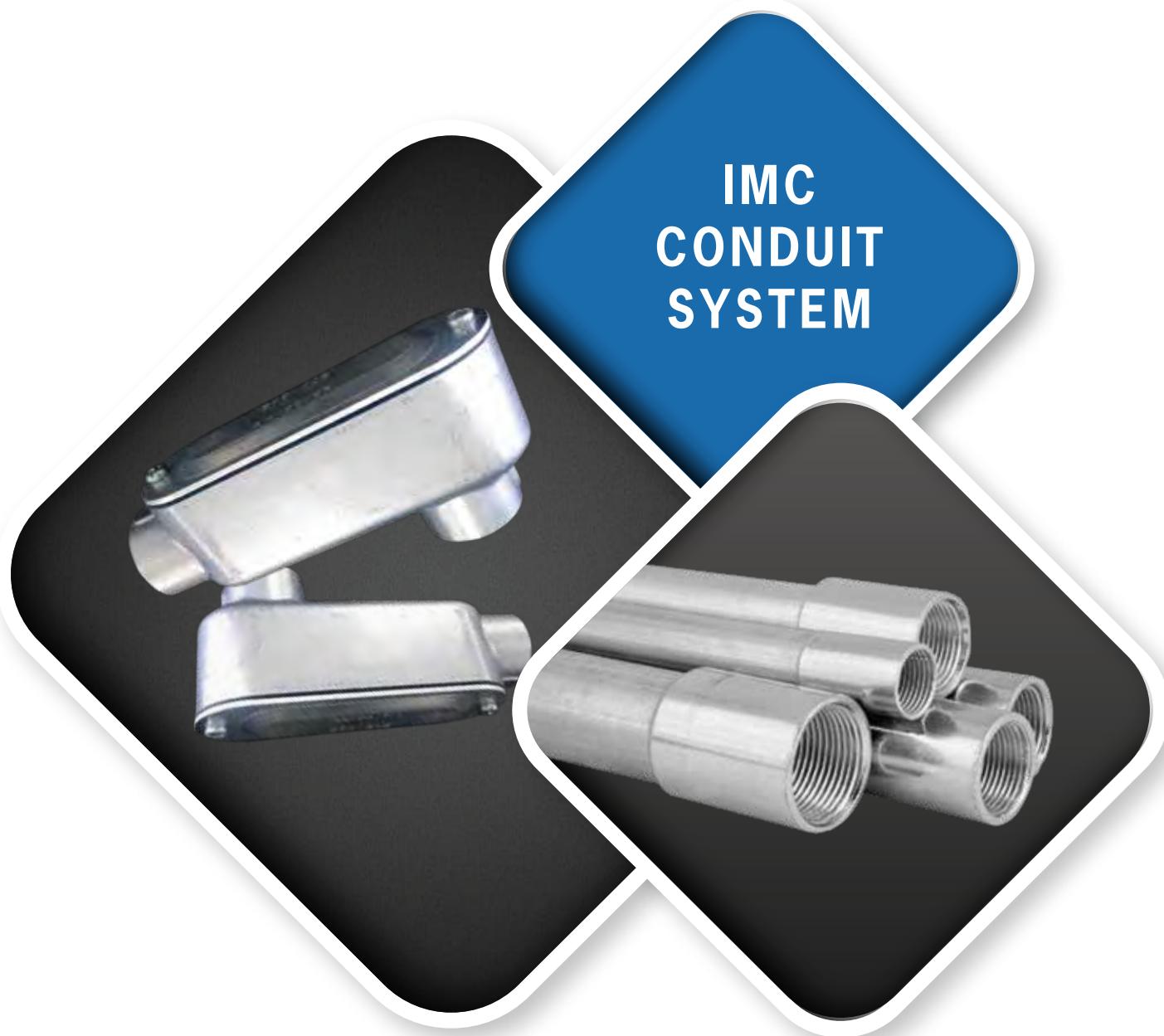
### BARTON RGS-RMC RIGID METAL CONDUIT (DIMENSIONS)

Nominal trade size		Part number	Length	Nominal outside diameter		Nominal wall thickness	
Inch	mm			Inch	mm	Inch	mm
½	16	BRMC050	3030	0.810	21.3	0.104	2.6
¾	21	BRMC075	3030	1.024	26.7	0.107	2.7
1	27	BRMC100	3025	1.285	33.4	0.126	3.2
1¼	35	BRMC125	3025	1.630	42.2	0.133	3.4
1½	41	BRMC150	3025	1.875	48.3	0.138	3.5
2	53	BRMC200	3025	2.352	60.3	0.146	3.7
2½	63	BRMC250	3010	2.847	73.0	0.193	4.9
3	78	BRMC300	3010	3.466	88.9	0.205	5.2
3½	91	BRMC350	3005	3.961	101.6	0.215	5.5
4	103	BRMC400	3005	4.456	114.3	0.225	5.7
5	129	BRMC500	2995	5.563	141.3	0.245	6.2
6	155	BRMC600	2995	6.625	168.3	0.266	6.8

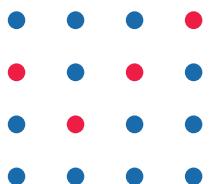
- Large diameters are available on request

### Applications:

- Commercial and industrial buildings
- Outdoor installations
- Hazardous locations
- Mechanical rooms
- Bridge and tunnel installations
- Power distribution
- Underground installations



IMC  
CONDUIT  
SYSTEM



## IMC-INTERMEDIATE METAL CONDUIT



- High strength, corrosion resistant, threaded ductile steel conduit tube, hot dipped galvanised after manufacture for maximum protection
- NPT threaded fittings
- Excellent resistance to extreme temperatures and corrosive environments
- Does not burn or produce harmful gases
- Smooth interior for easy wire pulling

### BARTON IMC-INTERMEDIATE METAL CONDUIT (DIMENSIONS)

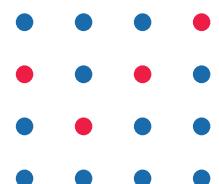
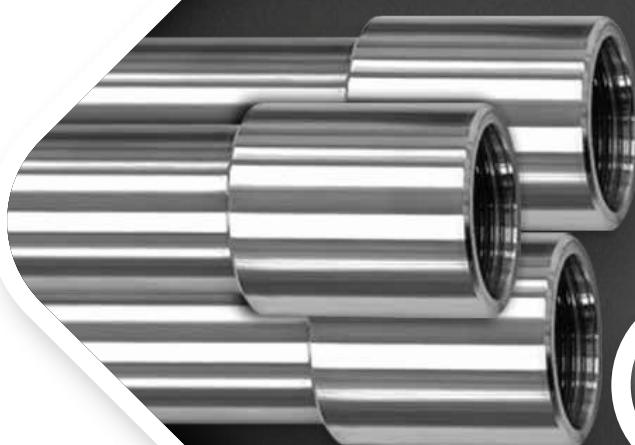
Nominal trade size		Part number	Length	Nominal outside diameter		Nominal wall thickness	
Inch	mm			Inch	mm	Inch	mm
½	16	BIMC050	3030	0.810	20.57	0.070	1.79
¾	21	BIMC075	3030	1.024	26.01	0.075	1.90
1	27	BIMC100	3025	1.285	32.64	0.085	2.16
1¼	35	BIMC125	3025	1.630	41.40	0.085	2.16
1½	41	BIMC150	3025	1.875	47.62	0.090	2.29
2	53	BIMC200	3025	2.352	59.74	0.095	2.41
2½	63	BIMC250	3010	2.847	72.31	0.140	3.56
3	78	BIMC300	3010	3.466	88.04	0.140	3.56
3½	91	BIMC350	3005	3.961	101.12	0.140	3.56
4	103	BIMC400	3005	4.456	113.69	0.140	3.56

- Large diameters are available on request

### Applications:

- Commercial and industrial buildings
- Outdoor installations
- Hazardous locations
- Power distribution
- Fire alarm and security systems
- Industrial machinery
- Underground installations

**STAINLESS  
STEEL CONDUIT  
SYSTEM**



## STAINLESS STEEL CONDUIT

Barton stainless steel conduit and fittings are designed and manufactured as per British Standards BS EN 50086-21/BS EN IEC 61386-21 to provide the highest protection against extreme corrosion, where the usage conditions can surpass the limitations of traditional steel conduit, aluminium conduit, galvanised conduit, and PVC-coated conduit products.

- The stainless-steel range is durable, aesthetically pleasing, and clean, making it ideal where hygiene is essential.
- The Barton stainless steel conduit range is available in 20mm and 25mm diameters and 3m lengths.
- A full range of Barton stainless steel conduit fittings is available to support all installations.

### Applications for stainless steel conduit:

- District cooling plants
- Nuclear plants
- Food and beverage processing
- Dairy and poultry
- Kitchens
- Hospitals, clinics, laboratories
- Chemical, pharmaceutical, industries
- Oil and gas
- Deep sea, marina, offshore

Part code	Size	Thickness	Length	Material type	Standard	Thread type
TUBST20S304	20mm	1.5mm	3m	SS304	BS EN 50086-21/BS EN IEC 61386-21	Metric
TUBST25S304	25mm	1.5mm	3m	SS304	BS EN 50086-21/BS EN IEC 61386-21	Metric
TUBST20S316	20mm	1.5mm	3m	SS316	BS EN 50086-21/BS EN IEC 61386-21	Metric
TUBST25S316	25mm	1.5mm	3m	SS316	BS EN 50086-21/BS EN IEC 61386-21	Metric

- Each conduit is threaded on both ends and fitted with a coupler and end cap

## STAINLESS STEEL CONDUIT ACCESSORIES



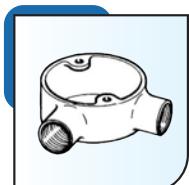
**Circular Boxes: 1-Way Terminal (ST181)**

Size            20mm            25mm  
 Part code     ST181S20     ST181S25  
 All Barton stainless steel boxes include stainless steel lid, neoprene gasket and stainless steel screw.



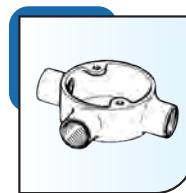
**Circular Boxes: 2-Way Through (ST182)**

Size            20mm            25mm  
 Part code     ST182S20     ST182S25  
 All Barton stainless steel boxes include stainless steel lid, neoprene gasket and stainless steel screw.



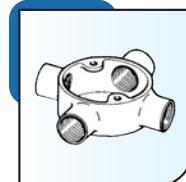
**Circular Boxes: 2-Way Angle (ST183)**

Size            20mm            25mm  
 Part code     ST183S20     ST183S25  
 All Barton stainless steel boxes include stainless steel lid, neoprene gasket and stainless steel screw.



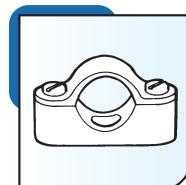
**Circular Boxes: 3-Way Tee (ST184)**

Size            20mm            25mm  
 Part code     ST184S20     ST184S25  
 All Barton stainless steel boxes include stainless steel lid, neoprene gasket and stainless steel screw.



**Circular Boxes: 4-Way Intersection (ST185)**

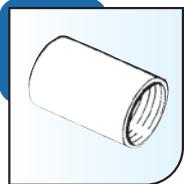
Size            20mm            25mm  
 Part code     ST185S20     ST185S25  
 All Barton stainless steel boxes include stainless steel lid, neoprene gasket and stainless steel screw.



**Saddles: Distance Saddle (ST363)**

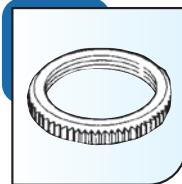
Size            20mm            25mm  
 Part code     ST363S20     ST363S25

# STAINLESS STEEL FLEXIBLE CONDUIT



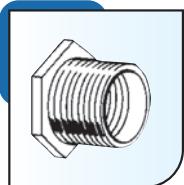
**Coupler (ST101)**

Size	20mm	25mm
Part code	ST101S20	ST101S25



**Circular Lock Ring (ST505)**

Size	20mm	25mm
Part code	ST505S20	ST505S25



**Reducer (ST471)**

Size	20mm	25mm
Part code	ST471S20	ST471S25

## STAINLESS STEEL FLEXIBLE CONDUIT

Barton Stainless Steel Flexible Conduit range is available in 20mm, 25mm and 32mm diameters and grades SS304, SS316 and SS316L. Manufactured in accordance with the latest British Standard BS EN 61386. Barton Stainless Steel Flexible Conduits are typically used in extreme corrosion environments, offshore projects, and food industries.

Temperature range: -20°C to +200°C

IP Rating: Up to IP66

Grade: SS304/SS316/SS316L

Standard: BS EN 61386



**Stainless Steel Flexible Conduit (ST562SS)**

Size	20mm	25mm	32mm
Part code	ST562S2020	ST562S2520	ST562S3210
Roll Size 20m	20m	10m	
IP Rating	IP40		



**Low Smoke & Fume Stainless Steel Flexible Conduit (ST582LSF)**

Size	20mm	25mm	32mm
Part code	ST582LSF2020	ST582LSF2520	ST582LSF3210
Roll Size	20m	20m	10m
IP Rating	IP55		



**Liquid Tight Stainless Steel Flexible Conduit (ST592LT)**

Size	20mm	25mm	32mm
Part code	ST592LT2020	ST592LT2520	ST592LT3210
Roll Size	20m	20m	10m
IP Rating	IP66		



**Liquid Tight Stainless Steel Flexible Adaptor (ST542SS)**

Size	20mm	25mm	32mm
Part code	ST542S20	ST542S25	ST542S32
IP Rating	IP66		

## STATEMENT TO PURCHASERS AND PROSPECTIVE PURCHASERS

1. Section 6 of this act provides that manufacturer, designers, importers, or suppliers of articles for use at work have a duty to ensure, so far, as is reasonably practicable, that the article will be safe and without risk to health when properly used. An article is not regarded as being 'properly used' if it is used without regard to any relevant information or advice relating to its use made available by the manufacturer, designer, importer, or supplier.

2. Having regard to these provisions the following is given as a guide to the information, which is readily available to you, in order that the obligations of all concerned may be met as fully as is reasonably practicable. This information relates to those products detailed in our catalogues or associated literature.

3. Information on the design, construction, and installation of our products to ensure that so far as is reasonably practicable they are safe and without risk to health when properly used may be found in:

- Relevant British Standard Specifications and Codes of Practice.
- Regulations for Electrical Equipment of Buildings (published by the institution of Electrical Engineers.)
- Catalogues and product leaflets of this Company.
- Or maybe obtained by a specific request to the company.

4. It is important that the products concerned should be installed, commissioned, and maintained by, or under the supervision of, competent persons in accordance with good engineering practice and:

- I.E.E Regulation for the electrical equipment of buildings
- Codes of Practice.
- Statutory Requirements.
- Any instructions specifically advised by the Company and where appropriate, with particular reference to information marked on the product.

5. In accordance with the provisions of the act, you are therefore requested to take such steps as are necessary to ensure that any appropriate information relevant to our products is made available by you to anyone concerned.

6. All Barton products are manufactured in accordance with the ENVIRONMENTAL PROTECTION ACT.

Our policy is one of continuous product improvement and hence we reserve designs and specifications without prior notice.

## QUALITY ASSURANCE PROCEDURES

All aspects of the operations of Barton Engineering FZE are governed by detailed quality assurance procedures. These are subject to regular independent audits that provide independent certification to confirm that they comply with the requirements of the international standard ISO 9001.

Barton Engineering FZE produces and supplies the premium quality Barton hot dipped galvanised steel conduit, all main associated electrical cable management systems and a wide range of accessories and fittings. Barton provides high-performance competitive products and worldwide solutions. The range includes:

- BS EN 61386/4568/50086/31 conduit and accessories
  - Pre galvanised.
  - Hot dipped galvanised
  - Stainless steel
- BS 4662 switch and socket boxes
- BS EN 61386 flexible steel conduit (bare flex, LSF covered, low smoke zero halogen and liquid tight).
- UL specification EMT conduit and accessories
  - ANSI C80.3
  - UL 797
  - UL 514B
  - UL 2239
  - UL 1
  - UL 6

Barton products are installed in the most demanding applications and environments where public safety is paramount.

Examples include:

Tall and super tall towers

Mass transportation

Places of education

Healthcare

Leisure

Sporting facilities

Places of worship

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W: www.barton-engineering.co.uk

Scan for Catalogue

