



KRUPPSMETAL



Kruppsconduit

Metal Raceway Product Range

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BRITISH STANDARD CONDUIT (BS4568 & BS31)

An electrical conduit is a tubing system used for protection and routing of electrical wiring. Electrical conduit may be made of metal, plastic, fiber, or fired clay. Flexible conduit is available for special purposes.

Conduit is generally installed by electricians electrical equipment. Its use, form, and installation details are often specified by wiring regulations, such as the BS 4568 Part 1 1970 for UK. The term "conduit" is commonly used by electricians to describe any system that contains electrical conductors, but the term has a more restrictive technical definition when used in official wiring regulations.

Electrical conduit provides very good protection to enclosed conductors from impact, moisture, and chemical vapors. Varying numbers, sizes, and types of conductors can be pulled into a conduit, which simplifies design and construction compared to multiple runs of cables or the expense of customized composite cable. Wiring systems in buildings may be subject to frequent alterations. Frequent wiring changes are made simpler and safer through the use of electrical conduit, as existing conductors can be withdrawn and new conductors installed, with little disruption along the path of the conduit.

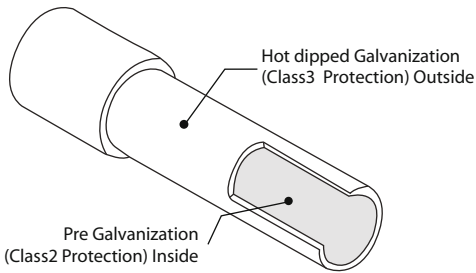
When installed with proper sealing fittings, a conduit will not permit the flow of flammable gases and vapors, which provides protection from fire and explosion hazard in areas handling volatile substances.

Some types of conduit are approved for direct encasement in concrete. This is commonly used in commercial buildings to allow electrical and communication outlets to be installed in the middle of large open areas use floor-mounted conduit boxes to connect power and communications cables.

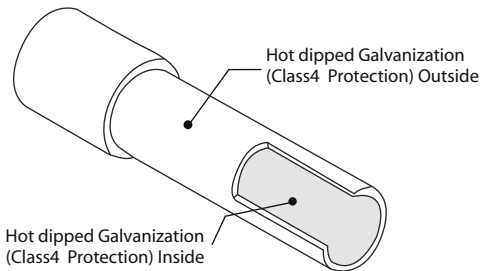
Both metal and plastic conduit can be bent at the job site to allow a neat installation without excessive numbers of manufactured fittings. This is particularly advantageous when following irregular or curved building profiles.

The cost of conduit installation is higher than other wiring methods due to the cost of materials and labor. In applications such as residential construction, the high degree of physical damage protection is not required, so the expense of conduit is not warranted. Conductors installed within conduit cannot dissipate heat as readily as those installed in open wiring, so the current capacity of each conductor must be reduced if many are installed in one conduit. It is impractical, and prohibited by wiring regulations, to have more than 360 degrees of total bends in a run of conduit, so special outlet fittings must be provided to allow conductors to be installed without damage in such runs.

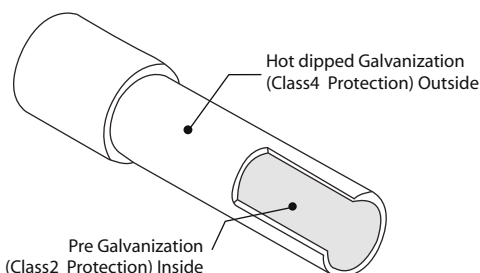
Some types of metal conduit may also serve as a useful bonding conductor for grounding (earthing), but wiring regulations may also dictate workmanship standards or supplemental means of grounding for certain types. While metal conduit can be used as a grounding conductor the circuit length is limited. For example, a long run of conduit as grounding conductor may not allow proper operation of overcurrent devices on a fault.

BS4568 Class3


Model	Size (mm)	Outside Diameter		Wall Thickness (mm)	Length (meters)	Length of Thread		Weight (kg/pc)	Primary Bundle (pcs)	Master Bundle (pcs)
		Min	Max			Min	Max			
Heavy Gauge										
KC316HG	16	15.7mm	16.0mm	1.6±0.15	3.75	11.5mm	13.5mm	±2.90	10	400
KC320HG	20	19.7mm	20.0mm	1.6±0.15	3.75	13.0mm	15.0mm	±3.70	10	400
KC325HG	25	24.6mm	25.0mm	1.6±0.15	3.75	16.0mm	18.0mm	±5.40	10	300
KC332HG	32	31.6mm	32.0mm	1.6±0.15	3.75	18.0mm	20.0mm	Information available at the time of order		
KC340HG	40	39.6mm	40.0mm	1.8±0.15	3.75	20.0mm	23.0mm			
KC350HG	50	49.6mm	50.0mm	1.8±0.15	3.75	24.0mm	28.0mm			
Medium Gauge										
KC316MG	16	15.7mm	16.0mm	1.2±0.15	3.75	11.5mm	13.5mm	Information available at the time of order		
KC320MG	20	19.7mm	20.0mm	1.2±0.15	3.75	13.0mm	15.0mm			
KC325MG	25	24.6mm	25.0mm	1.2±0.15	3.75	16.0mm	18.0mm			
KC332MG	32	31.6mm	32.0mm	1.2±0.15	3.75	18.0mm	20.0mm			



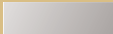



BS4568 Class4


Model	Size (mm)	Outside Diameter		Wall Thickness (mm)	Length (meters)	Length of Thread		Weight (kg/pc)	Primary Bundle (pcs)	Master Bundle (pcs)
		Min	Max			Min	Max			
Heavy Gauge										
KC416HG	16	15.7mm	16.0mm	1.6±0.15	3.75	11.5mm	13.5mm	±2.90	10	400
KC420HG	20	19.7mm	20.0mm	1.6±0.15	3.75	13.0mm	15.0mm	±3.70	10	400
KC425HG	25	24.6mm	25.0mm	1.6±0.15	3.75	16.0mm	18.0mm	±5.40	10	300
KC432HG	32	31.6mm	32.0mm	1.6±0.15	3.75	18.0mm	20.0mm	Information available at the time of order		
KC440HG	40	39.6mm	40.0mm	1.8±0.15	3.75	20.0mm	23.0mm			
KC450HG	50	49.6mm	50.0mm	1.8±0.15	3.75	24.0mm	28.0mm			
Medium Gauge										
KC416MG	16	15.7mm	16.0mm	1.2±0.15	3.75	11.5mm	13.5mm	Information available at the time of order		
KC420MG	20	19.7mm	20.0mm	1.2±0.15	3.75	13.0mm	15.0mm			
KC425MG	25	24.6mm	25.0mm	1.2±0.15	3.75	16.0mm	18.0mm			
KC432MG	32	31.6mm	32.0mm	1.2±0.15	3.75	18.0mm	20.0mm			

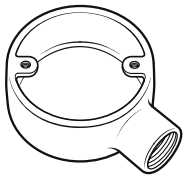
BS31 Class3


Model	Size (mm)	Outside Diameter		Wall Thickness (mm)	Length (meters)	Length of Thread		Weight (kg/pc)	Primary Bundle (pcs)	Master Bundle (pcs)
		Min	Max			Min	Max			
KC3175	3/4	18.8mm	19.1mm	1.6±0.15	3.75	11.5mm	13.5mm	±2.50	10	400
KC31100	1	25.1mm	25.4mm	1.6±0.15	3.75	13.0mm	15.0mm	±3.50	10	400
KC31125	1 1/4	31.5mm	31.8mm	1.6±0.15	3.75	16.0mm	18.0mm	±4.50	10	300
KC31150	1 1/2	37.8mm	38.1mm	1.8±0.15	3.75	18.0mm	20.0mm	Information available at the time of order		
KC31200	2	50.5mm	50.8mm	2.0±0.15	3.75	20.0mm	23.0mm			
KC31250	2 1/2	63.2mm	63.5mm	2.0±0.15	3.75	24.0mm	28.0mm			

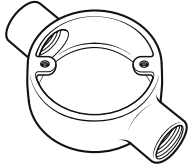
Used to Define Different Service Electrical Conduits

 for Fire Alarm Conduit Fire Red	 for ACMV Control System Conduit Blue	 for Electrical Lighting & Power point Conduit HDG(BS EN ISO 1461)
 for BAS / Security Conduit Yellow	 for Security / BAS Green	 for Electrical Lighting & Power point Conduit Matt Black

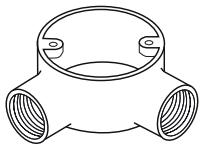
Note: Available also in Stainless Steel GRADE 304 & 316L as per EN50086



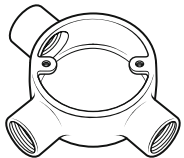
Terminal Way		
Part No.	Size	Qty / Pkt
K1120	20	10
K1125	25	10
K1132	32	5



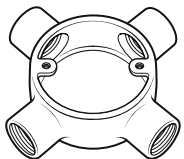
Through Way		
Part No.	Size	Qty / Pkt
K1220	20	10
K1225	25	10
K1232	32	5



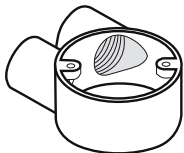
Angle Way		
Part No.	Size	Qty / Pkt
K1220A	20	10
K1225A	25	10
K1232A	32	5



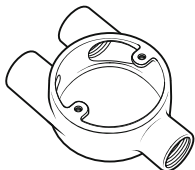
Three Way		
Part No.	Size	Qty / Pkt
K1320	20	10
K1325	25	10
K1332	32	5



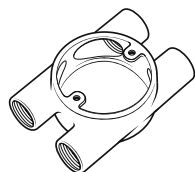
Four Way		
Part No.	Size	Qty / Pkt
K1420	20	10
K1425	25	10
K1432	32	5



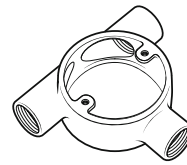
U Way		
Part No.	Size	Qty / Pkt
K1220U	20	10
K1225U	25	10
K1232U	32	5



Y Way		
Part No.	Size	Qty / Pkt
K1320Y	20	10
K1325Y	25	10
K1332Y	32	5



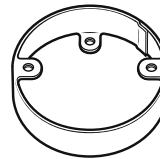
H Way		
Part No.	Size	Qty / Pkt
K1420H	20	10
K1425H	25	10
K1432H	32	5



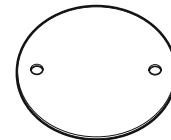
Tangent Tee Box		
Part No.	Size	Qty / Pkt
K1320T	20	10
K1325T	25	10
K1332T	32	5



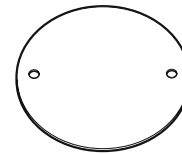
Tangent Angle		
Part No.	Size	Qty / Pkt
K1220TA	20	10
K1225TA	25	10
K1232TA	32	5



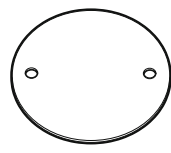
Extension Ring		
Part No.	Size	Qty / Pkt
K1120ER	20	10
K1125ER	25	10
K1132ER	32	5



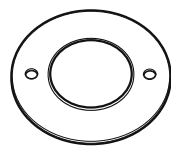
Circular Lid - Galvanized		
Part No.	Size	Qty / Pkt
K1120C	20/25	100



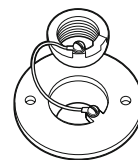
Circular Lid - Galvanized		
Part No.	Size	Qty / Pkt
K1130C	32	100



Gasket Rubber		
Part No.	Size	Qty / Pkt
K1120G	20/25	100



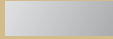





Rubber Gasket		
Part No.	Size	Qty / Pkt
K1130G	32	100



Ball & Socket Covers		
Part No.	Size	Qty / Pkt
K1120BS	20	100
K1125BS	25	100

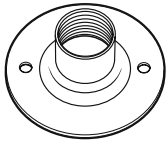
Used to Define Different Service of Electrical Conduits Accessories

 for Fire Alarm Conduit Fire Red	 for ACMV Control System Conduit Blue	 for Electrical Lighting & Power point Conduit HDG(BS EN ISO 1461)
 for BAS / Security Conduit Yellow	 for Security / BAS Green	 for Electrical Lighting & Power point Conduit Matt Black

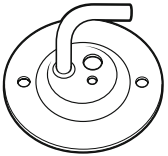
Note: Available with us Stainless Steel Conduits Accessories GRADE 304 & 316L as per BS Standard 60529

Note: All the BS4568 class 4 Conduit Circular Boxes are Manufactured from Malleable Iron and HDG to BS EN ISO 1461.

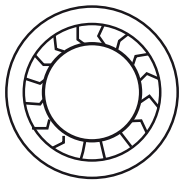
Note: For All the BS31 Class4 Conduit Accessories please add 31 along with the existing Part No.



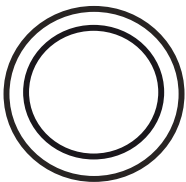
Dome Cover		
Part No.	Size	Qty / Pkt
K1120DC	20	100
K1125DC	25	50
K1132DC	32	25



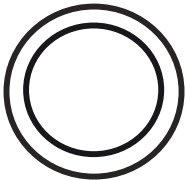
Hookplate Steel		
Part No.	Size	Qty / Pkt
K1120 HP		10



Cerated Washer Galvanized		
Part No.	Size	Qty / Pkt
K1120CW	20	100
K1125CW	25	100
K1132CW	32	100
K1138CW	38	50
K1150CW	50	50



Neoprene Washer		
Part No.	Size	Qty / Pkt
K1120NW	20	100
K1125NW	25	100
K1132NW	32	100
K1138NW	38	50
K1150NW	50	50



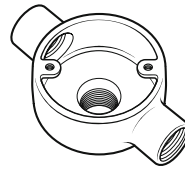
Washer Galvanized		
Part No.	Size	Qty / Pkt
K1120GW	20	100
K1125GW	25	100
K1132GW	32	100
K1138GW	38	50
K1150GW	50	50



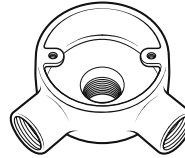
Outlet Box		
Part No.	Size	Qty / Pkt
K2020	20	10
K2025	25	10
K2032	32	5



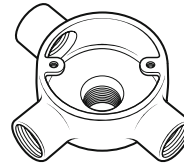
Terminal Way Loop		
Part No.	Size	Qty / Pkt
K2120	20	10
K2125	25	10
K2132	32	5



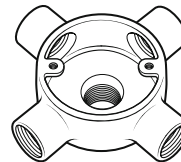
Through Way Loop		
Part No.	Size	Qty / Pkt
K2220	20	10
K2225	25	10
K2232	32	5



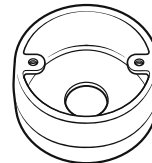
Angle Way Loop		
Part No.	Size	Qty / Pkt
K2220A	20	10
K2225A	25	10
K2232A	32	5



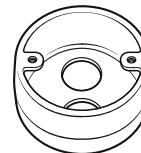
Three Way Loop		
Part No.	Size	Qty / Pkt
K2320	20	10
K2325	25	10
K2332	32	5



Four Way Loop		
Part No.	Size	Qty / Pkt
K2420	20	10
K2425	25	10
K2432	32	5



1 Hole Loop		
Part No.	Size	Qty / Pkt
K3120	20	10
K3125	25	10



2 Hole Loop		
Part No.	Size	Qty / Pkt
K3220	20	10
K3225	25	10
K3232	32	5



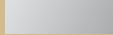





3 Hole Loop		
Part No.	Size	Qty / Pkt
K3320	20	10



4 Hole Loop		
Part No.	Size	Qty / Pkt
K3420	20	10

Used to Define Different Service of Electrical Conduits Accessories

 for Fire Alarm Conduit	 for ACMV Control System Conduit	 for Electrical Lighting & Power point Conduit HDG(BS EN ISO 1461)
Fire Red	Blue	
 for BAS / Security Conduit	 for Security / BAS	 for Electrical Lighting & Power point Conduit
Yellow	Green	Matt Black

Note: Available with us Stainless Steel Conduits Accessories GRADE 304 & 316L as per BS Standard 60529

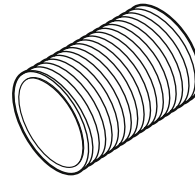
Note: All the BS4568 class 4 Conduit Circular Boxes are Manufactured from Malleable Iron and HDG to BS EN ISO 1461.

Note: For All the BS31 Class4 Conduit Accessories please add 31 along with the existing Part No.



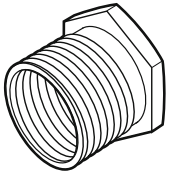
Crampets Flat Galvanized

Part No.	Size	Qty / Pkt
K2120C	20	100
K2125C	25	100



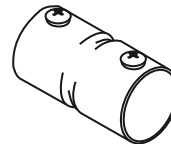
Steel Nipples Galvanized

Part No.	Size	Qty / Pkt
K4120N	20	100
K4125N	25	100
K4132N	32	100
K4138N	38	50
K4150N	50	50



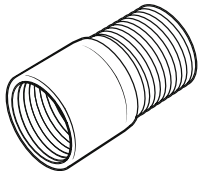
Reducers Galvanized

Part No.	Male mm	Female mm	Qty / Pkt
K2520	25	20	100
K3225	32	25	100
K3825	38	25	50
K3820	38	20	50
K3832	38	25	50



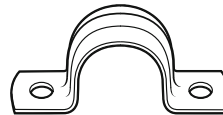
Screw Less Coupling Galvanized

Part No.	Size	Qty / Pkt
K4120S	20	100
K4125S	25	100
K4132S	32	50
K4138S	38	25
K4150S	50	25



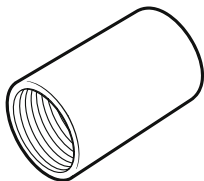
Adaptors Galvanized

Part No.	Male mm	Female mm	Qty / Pkt
K2025	20	25	100
K2532	25	32	50
K2032	20	32	50



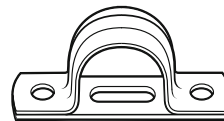
Plain Saddles Galvanized

Part No.	Size	Qty / Pkt
K5120	20	100
K5125	25	100
K5132	32	100
K5138	38	50
K5150	50	50



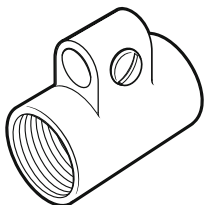
Solid Couplers Galvanized

Part No.	Size	Qty / Pkt
K4120	20	100
K4125	25	100
K4132	32	100
K4138	38	50
K4150	50	50



Space Bar Saddles Galvanized

Part No.	Size	Qty / Pkt
K5120SB	20	50
K5125SB	25	50
K5132SB	32	50
K5138SB	38	25
K5150SB	50	25



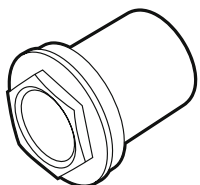
Earthing Couplers Galvanized (HDG)

Part No.	Size	Qty / Pkt
K4120E	20	100
K4125E	25	100
K4132E	32	100
K4138E	38	50
K4150E	50	50



Half Saddles Galvanized

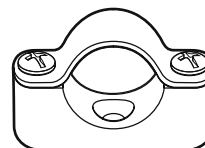
Part No.	Size	Qty / Pkt
K5120H	20	50
K5125H	25	50
K5132H	32	50
K5138H	38	25
K5150H	50	25



Flanged Couplers (HDG) / Brass

Part No.	Size	Qty / Pkt
K4120F	20	100
K4125F	25	100
K4132F	32	50

Note: Flanged Coupler consists Brass Bush male Lug. G.I. conduits and flanged coupler



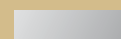
Distance Saddles Galvanized (HDG)


Part No.	Size	Qty / Pkt
K5120D	20	50
K5125D	25	50
K5132D	32	50
K5138D	38	25
K5150D	50	25


Used to Define Different Service of Electrical Conduits Accessories


 for Fire Alarm Conduit
Fire Red

 for ACMV Control System Conduit
Blue

 for Electrical Lighting & Power point Conduit HDG(BS EN ISO 1461)

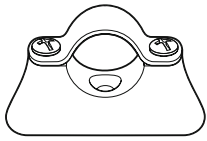
 for BAS / Security Conduit
Yellow

 for Security / BAS
Green

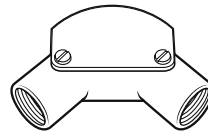
 for Electrical Lighting & Power point Conduit
Matt Black

Note: Available with us Stainless Steel Conduits Accessories GRADE 304 & 316L as per BS Standard 60529

Note: For All the BS31 Class4 Conduit Accessories please add 31 along with the existing Part No.



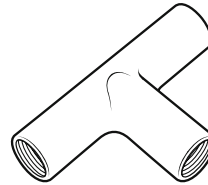
Distance Saddles (HD) Galvanized (HDG)			
Part No.	Size	Qty / Pkt	
K5120DH	20	50	
K5125DH	25	50	
K5132DH	32	50	
K5138DH	38	25	
K5150DH	50	25	



Inspection Elbow Galvanized			
Part No.	Size	Qty / Pkt	
K6120EI	20	10	
K6125EI	25	10	
K6132EI	32	10	
K6138EI	38	1	
K6150EI	50	1	



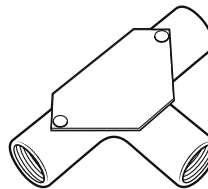
Bend 90 Deg Galvanized			
Part No.	Size	Qty / Pkt	
K6120B	20	10	
K6125B	25	10	
K6132B	32	5	
K6138B	38	1	
K6150B	50	1	



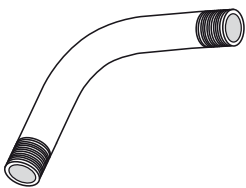
Tee Galvanized			
Part No.	Size	Qty / Pkt	
K6120T	20	10	
K6125T	25	10	
K6132T	32	5	
K6138T	38	1	
K6150T	50	1	



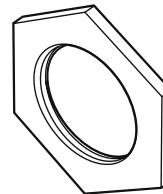
Elbow 90 Deg Galvanized			
Part No.	Size	Qty / Pkt	
K6120EB	20	10	
K6125EB	25	10	
K6132EB	32	5	
K6138EB	38	1	
K6150EB	50	1	



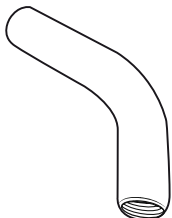
Inspection Tee Galvanized			
Part No.	Size	Qty / Pkt	
K6120IT	20	10	
K6125IT	25	10	
K6132IT	32	10	
K6138IT	38	1	
K6150IT	50	1	



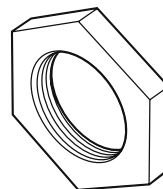
Male Bend 90 Deg Galvanized			
Part No.	Size	Qty / Pkt	
K6120MB	20	10	
K6125MB	25	10	
K6132MB	32	5	
K6138MB	38	1	
K6150MB	50	1	



Locknut Galvanized			
Part No.	Size	Qty / Pkt	
K6120	20	100	
K6125	25	100	
K6132	32	100	
K6138	38	100	
K6150	50	100	



45 Deg Bend			
Part No.	Size	Qty / Pkt	
K6120BB	20	10	
K6125BB	25	10	
K6132BB	32	10	
K6138BB	38	1	
K6150BB	50	1	



Locknut HD Galvanized			
Part No.	Size	Qty / Pkt	
K6120H	20	100	
K6125H	25	100	
K6132H	32	100	
K6138H	38	100	
K6150H	50	100	



Inspection Bend Galvanized			
Part No.	Size	Qty / Pkt	
K6120IB	20	10	
K6125IB	25	10	
K6132IB	32	10	
K6138IB	38	1	
K6150IB	50	1	

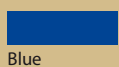


Lockrings Galvanized			
Part No.	Size	Qty / Pkt	
K6120R	20	100	
K6125R	25	100	
K6132R	32	100	
K6138R	38	100	
K6150R	50	100	

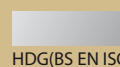
Used to Define Different Service of Electrical Conduits Accessories



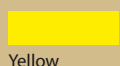
for Fire Alarm Conduit



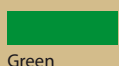
for ACMV Control System Conduit



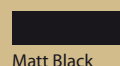
for Electrical Lighting & Power point Conduit



for BAS / Security Conduit



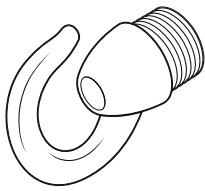
for Security / BAS



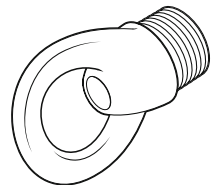
for Electrical Lighting & Power point Conduit

Note: Available with us Stainless Steel Conduits Accessories GRADE 304 & 316L as per BS Standard 60529

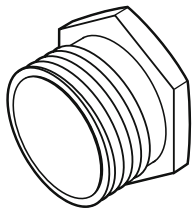
Note: For All the BS31 Class4 Conduit Accessories please add 31 along with the existing Part No.



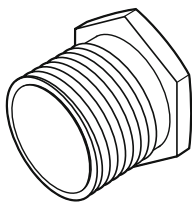
Male Hook		
Part No.	Size	Qty / Pkt
K6120MH	20	50



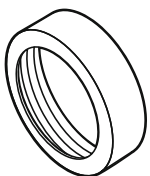
Male Loop Hook		
Part No.	Size	Qty / Pkt
K6120LH	20	50



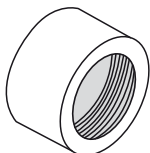
Male Bush Brass		
Part No.	Size	Qty / Pkt
K7120	20	100
K7125	25	100
K7132	32	50
K7138	38	25
K7150	50	25



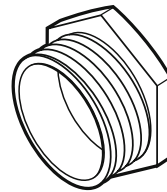
Male Bush Long Brass		
Part No.	Size	Qty / Pkt
K7120L	20	100
K7125L	25	100
K7132L	32	50
K7138L	38	25
K7150L	50	25



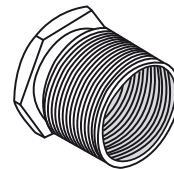
Female Bush Brass		
Part No.	Size	Qty / Pkt
K7120F	20	100
K7125F	25	100
K7132F	32	50
K7138F	38	25
K7150F	50	25



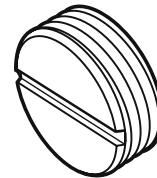
Female Bush Long Brass		
Part No.	Size	Qty / Pkt
K7120FL	20	100
K7125FL	25	100
K7132FL	32	50
K7138FL	38	25
K7150FL	50	25



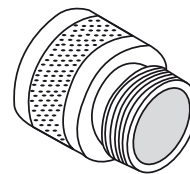
Hexagon Plug Brass		
Part No.	Size	Qty / Pkt
K7120P	20	100
K7125P	25	100
K7132P	32	50
K7138P	38	25
K7150P	50	25



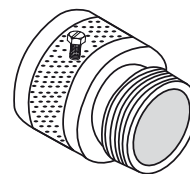
Reducer Brass			
Part No.	Male mm	Female mm	Qty / Pkt
K7120R	25	20	100
K7125R	32	25	100
K7132R	32	20	50
K7138R	38	25	25
K7150R	38	32	25



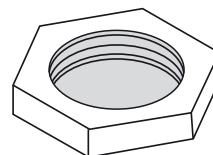
Recessed Plug Brass		
Part No.	Size	Qty / Pkt
K7120RP	20	100
K7125RP	25	100
K7132RP	32	100
K7138RP	38	50
K7150RP	50	50



Male Adaptor Brass		
Part No.	Size	Qty / Pkt
K7120MA	20	100
K7125MA	25	100
K7132MA	32	50
K7138MA	38	25
K7150MA	50	25



Screw Male Adaptor Brass		
Part No.	Size	Qty / Pkt
K7120SA	20	100
K7125SA	25	100
K7132SA	32	50
K7138SA	38	25
K7150SA	50	25

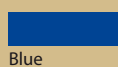


Locknut Brass		
Part No.	Size	Qty / Pkt
K7120LN	20	100
K7125LN	25	100
K7132LN	32	50
K7138LN	38	25
K7150LN	50	25

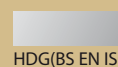
Used to Define Different Service of Electrical Conduits Accessories



for Fire Alarm Conduit
Fire Red



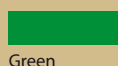
for ACMV Control System Conduit
Blue



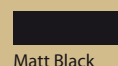
for Electrical Lighting & Power point Conduit
HDG(BS EN ISO 1461)



for BAS / Security Conduit
Yellow



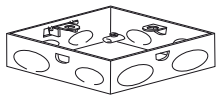
for Security / BAS
Green



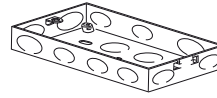
for Electrical Lighting & Power point Conduit
Matt Black

Note: Available with us Stainless Steel Conduits Accessories GRADE 304 & 316L as per BS Standard 60529

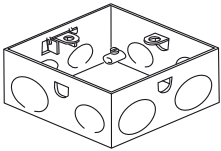
Note: For All the BS31 Class4 Conduit Accessories please add 31 along with the existing Part No.



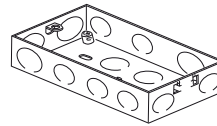
Flush Box 16mm Deep		
Part No.	Ko	Qty / Pkt
K3316	3	20



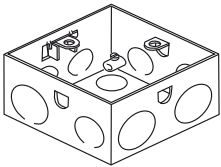
Flush Box 16mm Deep		
Part No.	Ko	Qty / Pkt
K3316	4	10



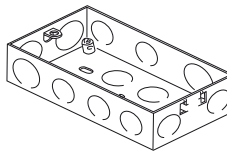
Flush Box 25mm Deep		
Part No.	Ko	Qty / Pkt
K3325	11 of 20mm	20



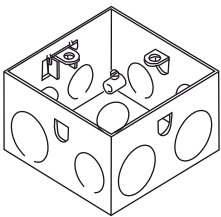
Flush Box 25mm Deep		
Part No.	Ko	Qty / Pkt
K3635	16 of 20mm	10



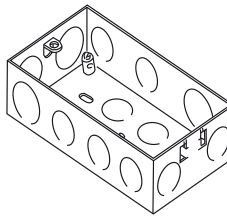
Flush Box 35mm Deep		
Part No.	Ko	Qty / Pkt
K3335	11 of 20/25mm	20



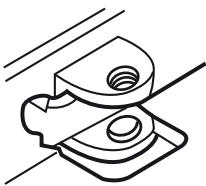
Flush Box 35mm Deep		
Part No.	Ko	Qty / Pkt
K3635	16 of 20/25mm	10

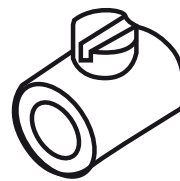


Flush Box 47mm Deep		
Part No.	Ko	Qty / Pkt
K3347	12 of 20/25mm	20





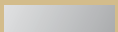



Flush Box 47mm Deep		
Part No.	Ko	Qty / Pkt
K3647	16 of 20/25mm	10


Adjustable Lug

Vertical Terminal

Horizontal Terminal

Material: Galvanized Sheet Steel
 Earthing: Vertical or Horizontal earthing terminal fixed.
 Lugs: Two adjustable lug & two fixed lug, for 3x3 Box, two adjustable lug for 3x6 box

Used to Define Different Service of Electrical Conduits Accessories

 for Fire Alarm Conduit Fire Red	 for ACMV Control System Conduit Blue	 for Electrical Lighting & Power point Conduit HDG(BS EN ISO 1461)
 for BAS / Security Conduit Yellow	 for Security / BAS Green	 for Electrical Lighting & Power point Conduit Matt Black

Note: Available with us Stainless Steel Conduits Accessories GRADE 304 & 316L as per BS Standard 60529

Circular Box Accessories

- Made of malleable Iron to BS 4568: Part 2 : 1970
- Finish are of Hot dipped galvanized to BS EN ISO 1461
- Tapped with hole in the base for earthing screw
- Holes are of M 4 & 2BA Screw size and the holes are at 50.8 mm center
- Suitable to use with BS 4568 Class 4, Class 3 Conduits
- Standard deep is at 25 mm and on order it can be made 37.5mm also
- To give circular boxes more protection rubber gasket can be ordered separately

Kruppsconduit - BS4568 - PT1 : 1970 (Class 4), BS EN 50086-2-1:1996, IEC60614 - 2 -1 :1982 (1993)

Heavy gauge: Threaded Conduit



Class 4 Conduits

Properties:

- Hot-Dipped Galvanized as per BS EN ISO 1461 (Formerly BS 729)
- One end with Galvanized Coupler and other end with PVC End cap are Supplied along with the Conduit
- Heavy Corrosion protection on the External and Internal Surface of Conduit
- Conduit is Supplied with metric size threadings

Applications:

- Suitable for outdoor and indoor use which requires high levels of corrosion protection
- Recommended for use in Areas with High humidity, Chemical plants, Power plants and Areas near sea

Note: Epoxy powder coated and enamel painted conduits are available on order

Kruppsconduit - BS4568 - PT1 : 1970 (Class 4), BS EN 50086-2-1:1996, IEC60614 - 2 -1 :1982 (1993)

Heavy gauge: Threaded Conduit

Class 3 Conduits

Properties:

- Externally Hot-Dipped Galvanized as per BS EN ISO 1461 (Formerly BS 729)
- One end with Galvanized Coupler and other end with PVC End cap are Supplied along with the Conduit
- Heavy Corrosion protection on the External Surface and Medium Corrosion Protection on the Internal Surface of Conduit
- Conduit is Supplied with metric size threadings

Applications:

- Suitable for outdoor and indoor use which requires high levels of corrosion protection

Kruppsconduit - BS4568 - PT1 : 1970 (Class 3)

Heavy gauge: Threaded Conduit

BS31 Conduits

Properties:

- Externally Hot-Dipped Galvanized as per BS EN ISO 1461 (Formerly BS 729)
- One end with Galvanized Coupler and other end with PVC End cap are Supplied along with the Conduit
- Heavy Corrosion protection on the External Surface and Medium Corrosion Protection on the Internal Surface of Conduit
- Conduit is Supplied with BSPT size threadings

Applications:

- Suitable for outdoor and indoor use which requires high levels of corrosion protection

Kruppsconduit - BS31: 1940 (Class 3)

Cable Carrying Capacity of Conduit

The below given tables can give you a guidance on the calculation of the Number of single core and PVC Insulated cables which can be located in various sizes of conduit.

The Tables which deals with two particular cases

- Shows cables that runs straight not exceeding 3 meters length.
- Shows cables that runs exceeding 3 meters in length or runs of any length with bends.

Straight Run not Exceeding 3 meters Length

For each type of cable being used obtain the cable factor from Table 1.
Sum all the cable factors and compare with conduit factors given in Table 2.

Type of Conductor	Conductor Cross-Sectional Area mm ²	Factor
Solid	1	22
	1.5	27
	2.5	39
Stranded	1.5	31
	2.5	43
	4	58
	6	88
	10	146

Table 1. Cable Factors

Conduit mm	Factor
16	290
20	460
25	800
32	1400

Table 2. Cable Factors

The Conduit sizes which will accommodate the cables are those with a conduit factor equal to or Greater than the some cables factor.

Shows cables that runs exceeding 3 meters in length or runs of any length with bends.

For each type of cable being used obtain the cable factor from Table 1.
Sum all the cable factors and compare with conduit factors given in Table 2.

Type of Conductor	Conductor Cross-Sectional Area mm ²	Factor
Solid	1	16
	1.5	22
	2.5	30
Stranded	4	43
	6	58
	10	105

Table 3. Cable Factors Exceeding above 3 meters

The Conduit sizes which will accommodate the cables are those with a conduit factor equal to or Greater than the some cables factor.

Spacing of Supports for Conduits

Nominal Size of Conduit mm	Maximum distance between supports	
	Horizontal Runs m	Horizontal Runs m
16mm	0.75	1.0
20mm -25mm	1.75	2.0
25mm-40mm	2.0	2.25
above 40mm	2.5	2.5

Table 4. Spacing of Supports for conduits

Length of run meters	Conduit Dia mm																			
	16	20	25	32	16	20	25	32	16	20	25	32	16	20	25	32	16	20	25	32
	Straight				One Bend				Two Bend				Three Bend				Four Bend			
1	Covered by Tables 1 and 2				188	303	543	947	177	286	514	900	158	256	463	818				
1.5					182	294	528	923	167	270	487	857	143	233	422	750				
2					177	286	514	900	158	256	463	818	130	213	388	692				
2.5					171	278	500	878	150	244	442	783	120	196	358	643	130	213	388	629
3					167	270	487	857	143	233	422	750	111	182	333	600	111	182	333	600
3.5	179	290	521	911	162	263	475	837	136	222	404	720	103	169	311	563	97	159	292	529
4	177	286	514	900	158	256	463	818	130	213	388	692	97	159	292	529	86	141	260	474
4.5	174	282	507	889	154	250	452	800	125	204	373	667	91	149	275	500				
5	171	278	500	878	150	244	442	783	120	196	358	643	86	141	260	474				
6	167	270	487	857	143	233	422	750	111	182	333	600								
7	162	263	475	837	136	222	404	720	103	169	311	563								
8	158	256	463	818	130	213	388	692	97	159	292	529								
9	154	250	452	800	125	204	373	667	91	149	275	500								
10	150	244	442	783	120	196	358	643	86	141	260	474								

Table 5. Cable Factors for runs including bends

Note:

These Tables (Table 1,2,and 3) are based on the 16TH edition of IEE wiring regulations appendix 12

Table 4 are based on the 16TH edition of IEE wiring regulations appendix 11

These Tables are for guidance only and Account needs to be taken of future wiring needs.

IMC (Intermediate Metal Conduit)

- The IMC Conduit is recognized by the NEC as a direct replacement for the rigid metal conduit
- The IMC Conduit is very easy to handle, as it weighs 1/3 less than the steel rigid conduit.
- It is made of work hardened sheet steel for extra strength and it is hot dipped galvanized.
- The Conduit is supplied with one end coupling and the other end with PVC end cap.
- The Conduit is as per UL Listed (STD 1292) and meets ANSI C80.6

RMC (Rigid Metal Conduit)

- The RMC Conduit is used in all the atmospheric condition. It is chromated for additional corrosion and abrasion protection.
- It is made of work hardened sheet steel for extra strength and it is hot dipped galvanized.
- The Conduit is supplied with one end coupling and the other end with PVC end cap.
- The Conduit is as per UL Listed (STD 6) and meets ANSI C80.1

EMT (Electrical Metallic Tubing)

- The EMT Conduit is very easy to use format and it is a non threadable conduit.
- It is made of high grade mild strip steel for extra durability and long life.
- The interior is coated with corrosion resistant " E - Z Pull" lubricant for fast and easy wire pulling.
- Hot galvanized ductile steel cuts and bends very easily and it reduces waste and it saves time in installation.
- The Conduit is as per UL Listed (STD 797) and meets ANSI C80.3

Conduit Bodies

- All the Conduit bodies are of flat back design and it gives extra wiring capacity and it simplifies installation.
- It is used with threaded conduits (IMC & RMC)
- It can be also used with EMT Conduits (Compression connectors required)
- The conduit bodies are available in Two grades (Commercial grade and Industrial grade)
- The conduit bodies are supplied with out covers and gaskets.
- The conduit bodies is as per UL Listed (E2527) and CSA Certified (LR65183)
- Industrial grade conduit bodies are suitable for Class 1, Division 2, Classified locations. It is made of malleable iron for use in high abuse areas.
- It is installed in compliance with NEC 501-4B
- Commercial grade conduit bodies are copper free aluminum, Ideal for use in corrosive areas where the iron bodies are not suitable.



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