



Cable Management & Protection System



British Standard Steel Conduits & Accessories

ZM GRUP has been serving in the cable management system since 2014.

ZM GRUP aim is to offer a high quality & competitively priced cable management system for the electrical market.

ZM GRUP offers a system that will provide the solution to the clients needs in all projects such as residential , commercial , industrial , utilities , oil & gas , airports Etc.

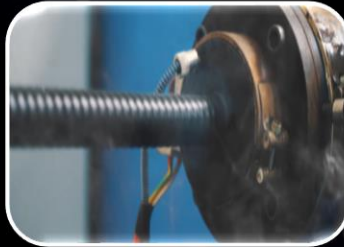
ZM GRUP steel conduits and accessories are available in British standards sizes & lengths can be manufactured to the exact customers requirements.

ZM GRUP Production covering the Turkish local market as well as more than 15 countries around the world.

ZM GRUP staff have been selected for wealth of experience.

Customer Satisfaction Is Our Aim





STEEL CONDUIT

BS 4568 PART 1, BS EN 50086-1, EN 50086-2, BS EN 61386-1, BS EN 61386-21



CLASS 4

THREADED CONDUIT

- Heavy corrosion protection by Hot-Dip Galvanizing on the exterior conduit.
- Threaded on both ends. One end fitted with coupling and the other protected by plastic end cap.
- Hot-Dipped Galvanized to BS EN ISO 1461 which supersedes BS 729.
- Metric size threading.
- Offer all kinds of packing



Item Code	Nominal Size	Outsize Diameter	Wall Thickness	Length	Calculated Weight
	MM	MM	MM	MM	KG/PC
ZM-BS020	20	19.85	1.6	3750	2.70
ZM-BS025	25	24.8	1.6	3750	3.40
ZM-BS032	32	31.8	1.6	3750	4.45

CLASS 3

THREADED CONDUIT

- Heavy corrosion protection by Hot-Dip Galvanizing on the exterior and medium corrosion protection by applying an organic coat on the interior surface of the conduit.
- Threaded on both ends. One end fitted with coupling and the other protected by plastic end cap.
- Metric size threading.
- Offer all kinds of packing.



Item Code	Nominal Size	Outsize Diameter	Wall Thickness	Length	Calculated Weight
	MM	MM	MM	MM	KG/PC
ZM-BS320	20	19.85	1.6	3750	2.70
ZM-BS325	25	24.8	1.6	3750	3.40
ZM-BS332	32	31.8	1.6	3750	4.45

*** Other lengths are available upon request

STEEL CONDUIT

BS 31



BS 31 CLASS 4

THREADED CONDUIT

- Heavy corrosion protection by Hot-Dip Galvanizing on the exterior and interior surface of the conduit.
- Threaded on both ends. One end fitted with coupling and the other protected by plastic end cap.
- Hot-Dipped Galvanized to BS 31.
- Threading to BS 31.
- Offer all kinds of packing.



Item Code	Nominal Size	Outsize Diameter	Wall Thickness	Length	Calculated Weight
	INCH	MM	MM	MM	KG/PC
ZM-BS4110	¾"	19.05	1.63	3000	2.13
ZM-BS4111	1"	25.4	1.63	3000	2.91
ZM-BS4112	1 ¼"	31.75	1.63	3000	3.69
ZM-BS4113	1 ½"	38.10	1.83	3000	5.00
ZM-BS4114	2"	50.80	2.03	3000	7.44

BS 31 CLASS 4

THREADED CONDUIT

- Heavy corrosion protection by Hot-Dip Galvanizing on the exterior and medium corrosion protection by applying an organic coat on the interior surface of the conduit.
- Threaded on both ends. One end fitted with coupling and the other protected by plastic end cap.
- Threading to BS 31.
- Offer all kinds of packing.



Item Code	Nominal Size	Outsize Diameter	Wall Thickness	Length	Calculated Weight
	INCH	MM	MM	MM	KG/PC
ZM-BS3110	¾"	19.05	1.63	3000	2.13
ZM-BS3111	1"	25.4	1.63	3000	2.91
ZM-BS3112	1 ¼"	31.75	1.63	3000	3.69
ZM-BS3113	1 ½"	38.10	1.83	3000	5.00
ZM-BS3114	2"	50.80	2.03	3000	7.44

*** Other lengths are available upon request

FITTINGS AND ACCESSORIES

BS 4568 PART 2, BS EN 50086-1, BS EN 50086-2, BS EN 61386-21



BOXES - CIRCULAR, SMALL & LARGE

- Material: Malleable Iron
- Finish: Hot Dipped Galvanized
- Supplied without cover or fixing screws
- With tapped hole in base for earthing screw
- 20/25 mm Boxes - Cover fixings M4 at 50.8 mm centers
- 32 mm Boxes - Cover fixing M4 at 71.5 mm centers
- 20 mm Boxes - internal depth 25 mm minimum, internal diameter 60.3 mm
- 25 mm Boxes - internal depth 28 mm minimum, internal diameter 60.3 mm
- 32 mm Boxes - internal depth 40 mm minimum, internal diameter 81 mm



Terminal

Item Code	Size
ZM-120	20 MM
ZM-125	25 MM
ZM-132	32 MM



Branch Two Ways (U)

Item Code	Size
ZM-620	20 MM
ZM-625	25 MM
ZM-632	32 MM



Angle

Item Code	Size
ZM-220	20 MM
ZM-225	25 MM
ZM-232	32 MM



Branch Three Ways (Y)

Item Code	Size
ZM-720	20 MM
ZM-725	25 MM
ZM-732	32 MM



Through

Item Code	Size
ZM-320	20 MM
ZM-325	25 MM
ZM-332	32 MM



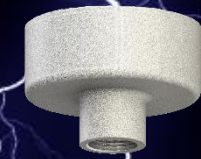
Twin Through Way (H)

Item Code	Size
ZM-820	20 MM
ZM-825	25 MM
ZM-832	32 MM



Tee

Item Code	Size
ZM-420	20 MM
ZM-425	25 MM
ZM-432	32 MM



Back Outlet

Item Code	Size
ZM-920	20 MM
ZM-925	25 MM
ZM-932	32 MM



Intersection

Item Code	Size
ZM-520	20 MM
ZM-525	25 MM
ZM-532	32 MM



Terminal With Back Outlet

Item Code	Size
ZM-1020	20 MM
ZM-1025	25 MM
ZM-032	32 MM

FITTINGS AND ACCESSORIES

BS 4568 PART 2, BS EN 50086-1, BS EN 50086-2, BS EN 61386-21



BOXES - CIRCULAR, SMALL & LARGE

- Material: Malleable Iron
- Finish: Hot Dipped Galvanized
- Supplied without cover or fixing screws
- With tapped hole in base for earthing screw
- 20/25 mm Boxes - Cover fixings M4 at 50.8 mm centers
- 32 mm Boxes - Cover fixing M4 at 71.5 mm centers
- 20 mm Boxes - internal depth 25 mm minimum, internal diameter 60.3 mm
- 25 mm Boxes - internal depth 28 mm minimum, internal diameter 60.3 mm
- 32 mm Boxes - internal depth 40 mm minimum, internal diameter 81 mm



Angle With Back Outlet

Item Code	Size
ZMM-020	20 MM
ZMM-025	25 MM
ZMM-032	32 MM



Branch (Y) With Back Outlet

Item Code	Size
ZMM-520	20 MM
ZMM-525	25 MM
ZMM-532	32 MM



Through With Back Outlet

Item Code	Size
ZMM-120	20 MM
ZMM-125	25 MM
ZMM-132	32 MM



Twin Through (H) With Back Outlet

Item Code	Size
ZMM-620	20 MM
ZMM-625	25 MM
ZMM-632	32 MM



Tee With Back Outlet

Item Code	Size
ZMM-220	20 MM
ZMM-225	25 MM
ZMM-232	32 MM



Tangent Angle

Item Code	Size
ZMM-720	20 MM
ZMM-725	25 MM
ZMM-732	32 MM



Intersection With Back Outlet

Item Code	Size
ZMM-320	20 MM
ZMM-325	25 MM
ZMM-332	32 MM



Tangent Through

Item Code	Size
ZMM-820	20 MM
ZMM-825	25 MM
ZMM-832	32 MM



Branch (U) With Back Outlet

Item Code	Size
ZMM-420	20 MM
ZMM-425	25 MM
ZMM-432	32 MM



Tangent Tee

Item Code	Size
ZMM-920	20 MM
ZMM-925	25 MM
ZMM-932	32 MM

FITTINGS AND ACCESSORIES

BS 4568 PART 2, BS EN 50086-1, BS EN 50086-2, BS EN 61386-21



BOXES - CIRCULAR, SMALL & LARGE

- Material: Malleable Iron.
- Finish: Hot Dipped Galvanized.
- 81 mm internal diameter.
- 20 mm Box and 25 mm Box- Minimum 35 mm Deep.
- 32 mm Box - Minimum 40 mm Deep.
- Tapped M4 at 71.5 mm Centers.
- With tapped hole in base for earthing screw.
- Supplied without cover of fixing screws.

CIRCULAR - BOXES, SMALL EXTENSION

- Material: Malleable Iron.
- Finish: Hot Dipped Galvanized.
- 60.3 mm internal diameter.
- 20 mm Box Minimum 25 mm Deep.
- 25 mm Box - Minimum 28 mm Deep.
- Tapped M4 at 50.8 mm Centers.
- With tapped hole in base for earthing screw.
- Supplied without cover of fixing screws unless ordered



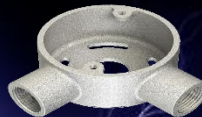
Terminal	
Item Code	Size
ZMB-120	20 MM
ZMB-125	25 MM
ZMB-132	32 MM



Terminal	
Item Code	Size
ZMH-120	20 MM
ZMH-125	25 MM
ZMH-132	32 MM



Angle	
Item Code	Size
ZMB-220	20 MM
ZMB-225	25 MM
ZMB-232	32 MM



Angle	
Item Code	Size
ZMH-220	20 MM
ZMH-225	25 MM
ZMH-232	32 MM



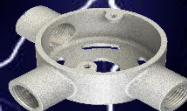
Through	
Item Code	Size
ZMB-320	20 MM
ZMB-325	25 MM
ZMB-332	32 MM



Through	
Item Code	Size
ZMH-320	20 MM
ZMH-325	25 MM
ZMH-332	32 MM



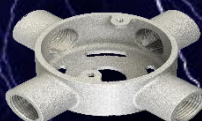
Tee	
Item Code	Size
ZMB-420	20 MM
ZMB-425	25 MM
ZMB-432	32 MM



Tee	
Item Code	Size
ZMH-420	20 MM
ZMH-425	25 MM
ZMH-432	32 MM



Intersection	
Item Code	Size
ZMB-520	20 MM
ZMB-525	25 MM
ZMB-532	32 MM



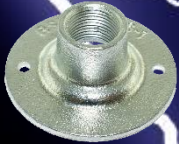
Intersection	
Item Code	Size
ZMH-520	20 MM
ZMH-525	25 MM
ZMH-532	32 MM

FITTINGS AND ACCESSORIES

BS 4568 PART 2, BS EN 50086-1, BS EN 50086-2, BS EN 61386-21



COVERS, GASKETS, RINGS AND LOOPING IN BOXES



Female Dome Cover

Item Code	Size
ZMC-220	20 MM
ZMC-225	25 MM
ZMC-232	32 MM

Material : Malleable Iron
Finish : Hot Dipped Galvanized



Female Dome Cover

Item Code	Size
ZMD-220	20 MM
ZMD-225	25 MM
ZMD-232	32 MM

Material : Steel
Finish : Galvanized



Hook

Item Code	Size
ZMH-120	20 MM
ZMH-125	25 MM

Material : Malleable Iron
Finish : Hot Dipped Galvanized



Hook Cover

Item Code	Size
ZMHC-120	20 MM
ZMHC-125	25 MM

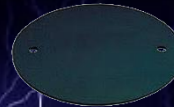
Material : Steel
Finish : Galvanized



Circular Box Cover

Item Code	Size
ZMCC-120	20 MM
ZMCC-125	25 MM
ZMCC-132	32 MM

Material : Steel
Finish : Galvanized



Rubber Gasket For Circular Box Cover

Item Code	Size
ZMCB-120	20 MM
ZMCB-125	25 MM
ZMCB-132	32 MM

Material : Rubber



Ball & Socket Earthed Cover

Item Code	Size
ZMBS-120	20 MM
ZMBS-125	25 MM

Material : Malleable Iron With Copper Earth Wire
Finish : Hot Dipped Galvanized



Circular Box Extension Ring

Item Code	Size
ZMER-120	20 MM
ZMER-125	25 MM
ZMER-132	32 MM

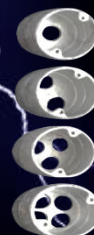
Material : Steel
Finish : Galvanized



Looping In Box

Item Code	Size
ZMLB-1-120	20 MM
ZMLB-1-121	20 MM
ZMLB-1-122	20 MM
ZMLB-1-123	20 MM

Material : Malleable Iron
Finish : Hot Dipped Galvanized



Looping In Box

Item Code	Size
ZMLBB-1-120	20 MM
ZMLBB-1-121	20 MM
ZMLBB-1-122	20 MM
ZMLBB-1-123	20 MM

Material : Steel
Finish : Galvanized

FITTINGS AND ACCESSORIES

BS 4568 PART 2, BS EN 50086-1, BS EN 50086-2, BS EN 61386-21



COUPLINGS



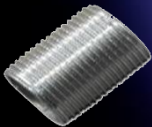
Material : Malleable Iron
Finish : Galvanized

Couplings	
Item Code	Size
ZMCO-120	20 MM
ZMCO-125	25 MM
ZMCO-132	32 MM



Material : Malleable Iron
Finish : Galvanized

Expansion Coupling	
Item Code	Size
ZMCO-220	20 MM
ZMCO-225	25 MM
ZMCO-232	32 MM



Material : Steel
Finish : Galvanized

Short Nipple	
Item Code	Size
ZMSN-120	20 MM
ZMSN-125	25 MM
ZMSN-132	32 MM



Material : Steel
Finish : Galvanized

Long Nipple	
Item Code	Size
ZMLN-220	20 MM
ZMLN-225	25 MM
ZMLN-232	32 MM



Material : Steel
Finish : Galvanized

Earthing Coupling	
Item Code	Size
ZMEC-120	20 MM
ZMEC-125	25 MM
ZMEC-132	32 MM



Material : Malleable Iron
Finish : Galvanized

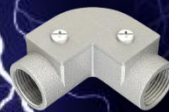
Flange Coupling With Lead Washer	
Item Code	Size
ZMFC-220	20 MM
ZMFC-225	25 MM
ZMFC-232	32 MM

BENDS



Material : Malleable Iron Body With Steel Cover
Finish : Galvanized

Inspection Elbow	
Item Code	Size
ZMIEB-120	20 MM
ZMIEB-125	25 MM
ZMIEB-132	32 MM



Material : Malleable Iron Body With Steel Cover
Finish : Galvanized

Inspection Bend	
Item Code	Size
ZMIB-220	20 MM
ZMIB-225	25 MM
ZMIB-232	32 MM



Material : Malleable Iron Body With Steel Cover
Finish : Galvanized

Inspection Tee	
Item Code	Size
ZMIE-120	20 MM
ZMIE-125	25 MM
ZMIE-132	32 MM



Material : Steel
Finish : Galvanized

90° Normal Bend , Internal Thread	
Item Code	Size
ZMBI-T-220	20 MM
ZMBI-T-225	25 MM
ZMBI-T-232	32 MM

FITTINGS AND ACCESSORIES

BS 4568 PART 2, BS EN 50086-1, BS EN 50086-2, BS EN 61386-21



BUSHES



Material : Brass
Finish : Self Colour

Male Bush Short	
Item Code	Size
ZM-MBS-120	20 MM
ZM-MBS-125	25 MM
ZM-MBS-132	32 MM



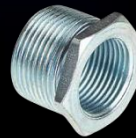
Material : Brass
Finish : Self Colour

Male Bush Long	
Item Code	Size
ZM-MBL-220	20 MM
ZM-MBL-225	25 MM
ZM-MBL-232	32 MM



Material : Brass
Finish : Self Colour

Female Bush	
Item Code	Size
ZMFB-120	20 MM
ZMFB-125	25 MM
ZMFB-132	32 MM



Material : Malleable Iron
Finish : Galvanized

Reducer	
Item Code	Size
ZM-RDC-220	20 MM
ZM-RDC-225	25 MM
ZM-RDC-232	32 MM

PLUGS



Material : Malleable Iron
Finish : Galvanized

Stopping Plug Hexagonal Head	
Item Code	Size
ZMSP-H-120	20 MM
ZMSP-H-125	25 MM
ZMSP-H-132	32 MM



Material : Brass
Finish : Self Colour

Stopping Plug Slotted Head	
Item Code	Size
ZMSP-S-220	20 MM
ZMSP-S-225	25 MM
ZMSP-S-232	32 MM

ADAPTORS



Material : Steel
Finish : Galvanized

Metric To Imperial	
Item Code	Size
ZMMI-120	20MM - ¾"
ZMMI-125	25MM - 1"



Material : Steel
Finish : Galvanized

Imperial To Metric	
Item Code	Size
ZMIM-220	¾" - 20MM
ZMIM-225	1" - 25MM

*** HDG Upon Request

FITTINGS AND ACCESSORIES

BS 4568 PART 2, BS EN 50086-1, BS EN 50086-2, BS EN 61386-21



LOCKNUTS & WASHERS



Material : Steel
Finish : Galvanized

Hexagonal Locknut-Light 3MM THK		
Item Code	Size	
ZMHL-L3-220	20 MM	
ZMHL-L3-225	25 MM	
ZMHL-L3-132	32 MM	



Material : Steel
Finish : Galvanized

Hexagonal Locknut-Heavy 6MM THK		
Item Code	Size	
ZMHL-H6-220	20 MM	
ZMHL-H6-225	25 MM	
ZMHL-H6-232	32 MM	



Material : Steel
Finish : Galvanized

Locking Ring		
Item Code	Size	
ZMLR-120	20 MM	
ZMLR-125	25 MM	
ZMLR-132	32 MM	



Material : Steel
Finish : Galvanized

Washer		
Item Code	Size	
ZM-W-220	20 MM	
ZM-W-225	25 MM	
ZM-W-232	32 MM	

SADDLES



Material : Steel
Finish : Galvanized

Half Saddle		
Item Code	Size	
ZMHS-120	20 MM	
ZMHS-125	25 MM	
ZMHC-132	32 MM	



Material : Steel
Finish : Galvanized

Plain Saddle		
Item Code	Size	
ZMPS-220	20 MM	
ZMPS-225	25 MM	
ZMPS-232	32 MM	



Material : Steel With Malleable Iron Base
Finish : Galvanized

Distance Saddle		
Item Code	Size	
ZM-DIS-120	20 MM	
ZM-DIS-125	25 MM	
ZM-DIS-132	32 MM	



Material : Steel
Finish : Galvanized

Bar Saddle		
Item Code	Size	
ZM-BRS-220	20 MM	
ZM-BRS-225	25 MM	
ZM-BRS-232	32 MM	



Material : Steel With Malleable Iron Base
Finish : Galvanized

Hospital Saddle		
Item Code	Size	
ZM-HSP-120	20 MM	
ZM-HSP-125	25 MM	
ZM-HSP-132	32 MM	



Material : Steel
Finish : Galvanized

Crampet		
Item Code	Size	
ZM-CRM-220	20 MM	
ZM-CRM-225	25 MM	

*** HDG Upon Request

DIE SET



Die Set	
Item Code	Description
ZM-DS-120 ZM-DS-125	20 MM & 25 MM Die Set: - 1 x Die For 20 MM - 1 x Die For 25 MM - 1 x Die Stock Per Set With Detachable Handle
ZM-DS-132	32 MM Die Set: - 1 x Die Set For 32 MM - 1 x Die Stock Per Set With Detachable Handle

CONDUIT BENDING MACHINE

Conduit Bending Machine	
Item Code	Description
ZM-CMB-220 ZM-CMB-225	20 MM & 25 MM Conduit Bending Machine
ZM-CMB-232	32 MM Conduit Bending Machine



FITTINGS AND ACCESSORIES

BS 31



MALLEABLE IRON CIRCULAR BOXES

- Material: Malleable Iron.
- Finish: Hot Dipped Galvanized.
- 60.3 MM Internal Diameter for 3/4" & 1" and 81 MM for 1 1/4".
- 3/4" Boxes Minimum 25 MM Deep.
- 1" Boxes Minimum 28 MM Deep.
- 1 1/4" Boxes Minimum 40 MM Deep.



Terminal

Item Code	Size
ZM-TER-3/4"	¾"
ZM-TER-1"	1"
ZM-TER-1 ¼"	1 ¼"



Angle

Item Code	Size
ZM-ANG-3/4"	¾"
ZM-ANG-1"	1"
ZM-ANG-1 ¼"	1 ¼"



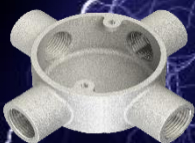
Through

Item Code	Size
ZM-THR-3/4"	¾"
ZM-THR-1"	1"
ZM-THR-1 ¼"	1 ¼"



Tee

Item Code	Size
ZM-TE-3/4"	¾"
ZM-TE-1"	1"
ZM-TE-1 ¼"	1 ¼"



Intersection

Item Code	Size
ZM-INT-3/4"	¾"
ZM-INT-1"	1"
ZM-INT-1 ¼"	1 ¼"

DOME COVER



Female Dome Cover

Item Code	Size
ZM-FDC-1-3/4"	¾"
ZM-FDC-1-1"	1"
ZM-FDC-1-1 ¼"	1 ¼"

Material : Malleable Iron



Female Dome Cover

Item Code	Size
ZM-FDC-2-3/4"	¾"
ZM-FDC-2-3/4"	1"
ZM-FDC-2-1 ¼"	1 ¼"

Material : Steel

COUPLINGS & BENDS



Material : Malleable Iron
Finish : Galvanized

Coupling	
Item Code	Size
ZM-CO-3/4"	¾"
ZM-CO-1"	1"
ZM-CO-1 ¼"	1 ¼"
ZM-CO-1 ½"	1 ½"
ZM-CO-2"	2"



Material : Malleable Iron
Finish : Galvanized

Expansion Coupling	
Item Code	Size
ZM-ECO-3/4"	¾"
ZM-ECO-1"	1"
ZM-ECO-1 ¼"	1 ¼"
ZM-ECO-1 ½"	1 ½"
ZM-ECO-2"	2"



Material : Malleable Iron Body With Steel Cover
Finish : Galvanized

Inspection Elbow	
Item Code	Size
ZM-INS-3/4"	¾"
ZM-INS-1"	1"
ZM-INS-1 ¼"	1 ¼"
ZM-INS-1 ½"	1 ½"
ZM-INS-2"	2"



Material : Malleable Iron
Finish : Galvanized

Internal Thread Normal Bend	
Item Code	Size
ZM-BTB-3/4"	¾"
ZM-BTB-1"	1"
ZM-BTB-1 ¼"	1 ¼"
ZM-BTB-1 ½"	1 ½"
ZM-BTB-2"	2"



Material : Malleable Iron Body With Steel Cover
Finish : Galvanized

Inspection Tee	
Item Code	Size
ZMINS-T-3/4"	¾"
ZMINS-T-1"	1"
ZMINS-T-1 ¼"	1 ¼"
ZMINS-T-1 ½"	1 ½"
ZMINS-T-2"	2"



Material : Malleable Iron Body With Steel Cover
Finish : Galvanized

Inspection Bend	
Item Code	Size
ZM-INS-B-3/4"	¾"
ZM-INS-B-1"	1"
ZM-INS-B-1 ¼"	1 ¼"
ZM-INS-B-1 ½"	1 ½"
ZM-INS-B-2"	2"

LOCKNUTS



Material : Steel
Finish : Galvanized

Hexagonal Locknut - Light	
Item Code	Size
ZMHLL-3/4"	¾"
ZMHLL-1"	1"
ZMHLL-1 ¼"	1 ¼"
ZMHLL-1 ½"	1 ½"
ZMHLL-2"	2"



Material : Steel
Finish : Galvanized

Locking Ring	
Item Code	Size
ZMLOC-3/4"	¾"
ZMLOC-1"	1"
ZMLOC-1 ¼"	1 ¼"
ZMLOC-1 ½"	1 ½"
ZMLOC-2"	2"

FITTINGS AND ACCESSORIES

BS 31



BUSHES



Material : Brass
Finish : Self Colour

Male Bush Short	
Item Code	Size
ZMMB-S-3/4"	¾"
ZMMB-S-1"	1"
ZMMB-S-1 ¼"	1 ¼"
ZMMB-S-1 ½"	1 ½"
ZMMB-S-2"	2"



Material : Brass
Finish : Self Colour

Male Bush Long	
Item Code	Size
ZMMB-L-3/4"	¾"
ZMMB-L-1"	1"
ZMMB-L-1 ¼"	1 ¼"
ZMMB-L-1 ½"	1 ½"
ZMMB-L-2"	2"



Material : Brass
Finish : Self Colour

Female Bush	
Item Code	Size
ZMFB-1-3/4"	¾"
ZMFB-1-1"	1"
ZMFB-1-1 ¼"	1 ¼"
ZMFB-1-1 ½"	1 ½"
ZMFB-1-2"	2"

ADAPTORS "BRASS"



Material : Brass
Finish : Self Colour

Male Adaptor	
Item Code	Size
ZMMA-3/4"	¾"
ZMMA-1"	1"
ZMMA-1 ¼"	1 ¼"
ZMMA-1 ½"	1 ½"
ZMMA-2"	2"



Material : Brass
Finish : Self Colour

Female Adaptor	
Item Code	Size
ZMFA-3/4"	¾"
ZMFA-1"	1"
ZMFA-1 ¼"	1 ¼"
ZMFA-1 ½"	1 ½"
ZMFA-2"	2"

SADDLES



Material : Steel & Malleable Iron base of Distance Saddle
Finish : Galvanized

Distance Saddle	
Item Code	Size
ZMDIST-3/4"	¾"
ZMDIST-1"	1"
ZMDIST-1 ¼"	1 ¼"
ZMDIST-1 ½"	1 ½"
ZMDIST-2"	2"



Material : Steel
Finish : Galvanized

Bar Saddle	
Item Code	Size
ZMBAR-3/4"	¾"
ZMBAR-1"	1"
ZMBAR-1 ¼"	1 ¼"
ZMBAR-1 ½"	1 ½"
ZMBAR-2"	2"

SWITCH & SOCKET BOXES

BS 4662, BS EN 60670-1:2005+ A12103



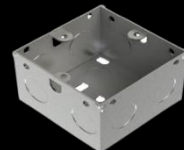
SWITCH & SOCKET BOXES

- Socket Boxes are available in various depths like 25 MM, 35 MM and 47 MM.
- They are designed with adjustable lugs for easy fitting of accessories and with one brass earth terminal.
- Each Box is produced with specified number and size of knockouts 20mm & 25mm which allow adequate cable entries for wiring purpose.
- Normal Dimensions: One Gang - 72mm x 72mm, Two Gang - 132mm x 72mm.

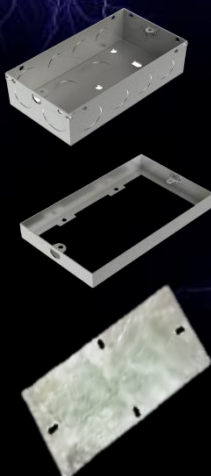
Material	Steel
Finish	Pre Galvanized / HDG
Standard	BS4662

SWITCH BOXES – ONE GANG

Standard	Type	Item Code	Size (MM)			
			Width	Length	Depth	Thk
BS-4662	Intermediate Deep	ZMSBOG-2509	72	72	25	0.9
		ZMSBOG-2511	72	72	25	1.1
		ZMSBOG-2512	72	72	25	1.2
	Standard Deep	ZMSBOG-3509	72	72	35	0.9
		ZMSBOG-3511	72	72	35	1.1
		ZMSBOG-3512	72	72	35	1.2
	Extra Deep	ZMSBOG-4711	72	72	47	1.1
		ZMSBOG-4712	72	72	47	1.2
	Extension	ZMSBOG-16E	72	72	16	1.1
		ZMSBOG-25E	72	72	25	1.1
		ZMSBOG-35E	72	72	35	1.1
	Cover	ZMSBOG-12C	72	72	-	1.2



SWITCH BOXES – TWO GANG



Standard	Type	Item Code	Size (MM)			
			Width	Length	Depth	Thk
BS-4662	Intermediate Deep	ZMSBTG-2509	72	132	25	0.9
		ZMSBTG-2511	72	132	25	1.1
		ZMSBTG-2512	72	132	25	1.2
	Standard Deep	ZMSBTG-3509	72	132	35	0.9
		ZMSBTG-3511	72	132	35	1.1
		ZMSBTG-3512	72	132	35	1.2
	Extra Deep	ZMSBTG-4711	72	132	47	1.1
		ZMSBTG-4712	72	132	47	1.2
	Extension	ZMSBTG-16E	72	132	16	1.1
		ZMSBTG-25E	72	132	25	1.1
		ZMSBTG-35E	72	132	35	1.1
	Cover	ZMSBTG-12C	72	132	-	1.2

*** Other Sizes Can Be Supplied Upon Request
 *** Pre Galvanised / HDG Upon Request

ADAPTABLE BOXES

BS 4568 PART 2



STEEL ADAPTABLE BOXES

ZM heavy duty adaptable boxes can be used as a junction box for installation with electrical conduits ranging from 20mm up to diameter. Boxes are supplied with and without knock out holes so as users can drill the required holes according to installation needs. The boxes can be supplied with a rubber gasket to improve the IP rating to IP54. It could also serve as an utility junction box wiring connection purposes.

Notes:

- Supplied with Steel screws as standard.
- Brass or Stainless steel screws optional.
- Boxes are supplied plain without K.O. holes.
- Boxes with K.O. holes can be supplied upon special request with client's dimensions.
- Other specifications, and thickness can be supplied upon request.

Material	Steel
Finish	Pre Galvanized / HDG
Standard	IP40 / IP54

ADAPTABLE BOX – WITHOUT KNOCKOUT

Standard	Item Code	Size (MM)		
		Width	Length	Depth
BS-4662	ZMABK01	75	75	50
	ZMABK02	100	100	50
	ZMABK03	100	100	75
	ZMABK04	150	150	75
	ZMABK05	150	150	100
	ZMABK06	225	225	75
	ZMABK07	225	225	100
	ZMABK08	300	300	75
	ZMABK09	300	300	100



ADAPTABLE BOX – WITH KNOCKOUT

Standard	Item Code	Size (MM)		
		Width	Length	Depth
BS-4662	ZMABK001	75	75	50
	ZMABK002	100	100	50
	ZMABK003	100	100	75
	ZMABK004	150	150	75
	ZMABK005	150	150	100
	ZMABK006	225	225	75
	ZMABK007	225	225	100
	ZMABK008	300	300	75
	ZMABK009	300	300	100



*** Other Sizes Can Be Supplied Upon Request
*** Pre Galvanized / HDG Upon Request

STRUT CHANNELS & ACCESSORIES



PLAIN / SLOTTED UNISTRUT CHANNEL

- PL: Plain
- SL: Slotted
- PG: Pre-galvanized
- EG: Electro-galvanized
- HDG: Hot dip galvanized
- SS: Stainless Steel
- Standard Length 10ft/3.0 Meter
- Other Length , Thickness available Upon Request



Item Code	Dim		Thickness	
	In	MM	Gauge	MM
ZM-PSU-1	1 1/2 x 1 1/2"	41 x 41	12	2.5
ZM-PSU-2	1 1/2 x 1 1/2" 4	41 x 41	14	2.0
ZM-PSU-3	1 1/2 x 1 1/2" 4	41 x 41	16	1.5
ZM-PSU-4	1 1/2 x 1 1/2" 4	41 x 41	18	1.2
ZM-PSU-5	1 1/2 x 1 3/16"	41 x 21	12	2.5
ZM-PSU-6	1 1/2 x 1 3/16"	41 x 21	14	2.0
ZM-PSU-7	1 1/2 x 1 3/16"	41 x 21	16	1.5
ZM-PSU-8	1 1/2 x 1 3/16"	41 x 21	18	1.2

ALL THREAD RODS



- EG: Electro Galvanized
- HDG: Hot-Dip Galvanized
- SS: Stainless Steel
- Standard Length 10ft/3.0 Meter
- Other Length , available Upon Request

Item Code	Thread Size
ZM-R-1	1/4"-20
ZM-R-2	15/16"-18
ZM-R-3	3/8"-16
ZM-R-4	1/2"-13
ZM-R-5	5/8"-11
ZM-R-6	3/4"-10
ZM-R-7	7/8"-9
ZM-R-8	1"-8

BEAM CLAMPS – MALLEABLE IRON



- Standard Finish: Galvanized

Item Code	Rod Size	Open Size MM
ZM-TBC-M06	M6	18.5
ZM-TBC-M08	M8	18.5
ZM-TBC-M10	M10	20.0
ZM-TBC-M12	M12	30.0
ZM-TBC-M14	M14	35.0

BEAM CLAMPS FOR MOUNTING CHANNEL



- Standard Finish: Galvanized

Item Code	A Size
ZM-MCB-1	3-3/8"
ZM-MCB-2	5"

UNIVERSAL STRUT CLAMPS

Item Code	Size
ZM-C-1	1/2"
ZM-C-2	3/4"
ZM-C-3	1"
ZM-C-4	1 1/4"
ZM-C-5	1 1/2"
ZM-C-6	2"
ZM-C-7	2 1/2"
ZM-C-8	3"
ZM-C-9	3 1/2"
ZM-C-10	4"



CONDUIT HANGER With Bolt & Nut Attached - Steel

Item Code	Size
ZM-CH-1	1/2"
ZM-CH-2	3/4"
ZM-CH-3	1"
ZM-CH-4	1 1/4"
ZM-CH-5	1 1/2"
ZM-CH-6	2"
ZM-CH-7	2 1/2"
ZM-CH-8	3"
ZM-CH-9	3 1/2"
ZM-CH-10	4"



CHANNEL NUTS , UNC THREAD

- EG: Electro Galvanized
- HDG: Hot-Dip Galvanized
- SS: Stainless Steel



Item Code	Thread Size	Nut Specification		THK
		Length-MM	Width-MM	
ZM-CN-20	1/4"-20	34.5	19	6.0
ZM-CN-18	15/16"-18	34.5	19	6.0/8.0
ZM-CN-16	3/8"-16	34.5	19	8.0/9.2
ZM-CN-14	7/16"-14	34.5	19	8.0/9.2
ZM-CN-13	1/2"-13	34.5	19	9.2/11.8
ZM-CN-11	5/8"-11	34.5	30	11.0
ZM-CN-10	3/4"-10	34.5	30	11.0
ZM-CN-09	7/8"-9	34.5	30	11.0

INGRESS PROTECTION MARKING

IP65

SOLID PROTECTION

0		Non protected
1		Protected against a solid object greater than 50 mm, such as a hand.
2		Protected against a solid object greater than 12 mm, such as a finger.
3		Protected against a solid object greater than 2.5 mm, such as a screwdriver.
4		Protected against a solid object greater than 1 mm, such as a most screws and wires.
5		Dust protected. Prevents ingress of dust sufficient to cause harm.
6		Dust tight. no ingress of dust.



The IP rating system is defined in international standard IEC 605029. IP ratings are used to classify and define of ingress protection on electrical devices against solids and water. By defining a rating, the IP system ensures specific levels of overate when products are faced with varying elements.

WATER PROTECTION

0		Non protected
1		Protected against vertical dripping water. Limited liquid entry.
2		Protected against vertical dripping water when tilted up 15°. Limited liquid entry.
3		Protected against spraying water at an angle 60°. Limited liquid entry.
4		Protected against splashes of water at any angle. Limited liquid entry.
5		Protected against low pressure water jets from any directions. Limited liquid entry.
6		Protected against high pressure water jets from any directions. Limited liquid entry.
7		Protected against the effects immersion of water between 15 cm and 1 m for 30 minutes.
8		Protected against the effects immersion of water under pressure for long periods.
9		Protected from close-range, powerful, high-temperature water jets.



Factory

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