



MSM ENGINEERING
ELECTROMECHANICAL INDUSTRY AND TRADE LIMITED COMPANY

GENERAL CATALOG

2026

cable carrying, protection,
ending and ex-proof
mounting systems

www.msmmuhendislik.com

www.exproof.info



**Ex-proof ATEX Certified
Electrical Materials**

**EMT-IMC-RSC-BS Type Conduits
& General Accessories Series**

**Rigid Metal Conduits
& General Accessories Series**

**Flexible Steel Conduits
& General Accessories Series**

**Polyamide - H.Free Conduits
& General Accessories Series**

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*The company leaving **25 years** behind since its establishment has reached its current corporate structure, parallel to the progress of the industry and demand diversification, developing its marketing and manufacturing portfolio.*

*Considering both the technological developments in the industry and the consumer trends, our company keeps improving manufacturing and marketing abilities in order to carry out activities such as manufacturing, marketing and sales of **cable protecting, carrying, ending and ex-proof electrical systems**.*

*Our company achieves its regularly updated annual goals by following a strict working discipline, providing high quality service and continuously improving its manufacturing capacity, further strengthened by expanded sales activities. With work directed towards presenting customer focused solutions and with the **highly qualified and experienced specialists** the company became one of the most trusted companies in the industry.*

*Cable carrying conduits and related accessories are our main area of activity. In order to meet the ever-increasing use and consequently increasing demand in recent years of the **Ex-Proof electrical materials** in our country we have expanded our portfolio by adding **production activities** of our group production company MSM TECHNIC. We are proud to have earned the ATEX and EAC certificate to MSM origin products.*

*We are proud to provide our business partners smooth service in prestigious projects with the possession of quality certificates for locally manufactured materials, as well as possession of **ISO 9001-2015** documentation, renewed **CE** and **GOST-R-EAC** materials quality documents, and we are especially proud to present our certified products, which we have recently added to our own production.*

Our objective is a continuous development of efficiency in our area of expertise with the aim of increasing the Company's strength and productivity in national and international markets. In addition to taking part in prestigious projects of our country, we are also proud to be involved in projects especially in Central Asian Republics and Central European countries.

Our Company is happy to present to you, our valuable customers, this catalogue, which covers our locally manufactured new products as well as new generation products we have added to our sales portfolio.

With the wish of establishing trustworthy links...

Hakan ONLAT

Deputy General Manager
Marketing & Offers Group Manager

Selin SARAÇ

Deputy General Manager
Import & Export Group Manager

Selahattin SARAÇ

Electrical Engineer
General Manager

CERTIFICATE OF COMPLETION

Date: 17.02.2025

MSM ENGINEERING BELGIUM NV/SA, Project One ECR EPCon project, your
Mr. Sébastien SARAC,
Company manufactures, imported and marketed, cable protection, carrying, and
ending within the scope of exposed systems;

Generalized, threaded conduits type project EMT-ANC-RSC type conduit, and
accessories, (Bushing, coupling, connector, reducers, bend, lock nut, clamp, etc).

have been dispatched to our site within the period of commitment, in accordance with the
international packaging standards by your firm.

These materials fully checked out and used in the implementation process without any problem
after making of necessary tests and control.


SARAC

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IEP
INSTITUTE FOR
EXCELLENCE IN
PRACTICE



**IBP
ATEX**

EEI-EP Examination Certificate

Agreement or Permission to Issue: Issued for use in Pharmacy Regulatory Examinations
(Directed: 10/2018/2019)

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EMT - IMC - RSC - BS Type Conduits & General Acces. Series



- ◆ EMT Galv. Threadless Steel Conduits
- ◆ EMT Galv. Threadless Steel Conduit Acc. (Connectors)
- ◆ EMT Galv. Threadless Steel Conduit Acc. (Couplings)
- ◆ EMT Galv. Threadless Steel Conduit Acc. (Clamps/Straps)
- ◆ EMT Galv. Threadless Steel Conduit Acc. (Elbows)
- ◆ EMT Galv. Threadless Steel Conduit Acc. (Adaptors)
- ◆ EMT Galv. Threadless Steel Conduit Acc. (General)
- ◆ Metal Junction Boxes and Acc. for Indoor Use
- ◆ BS Type Galvanized Threaded Steel Conduit and Acc.
- ◆ IMC Threaded Galvanized Conduits
- ◆ IMC Threaded Galvanized Conduit Acc. (Connectors)
- ◆ IMC Threaded Galvanized Conduit Acc. (Elbows)
- ◆ IMC Threaded Galvanized Conduit Acc. (Clamps)
- ◆ IMC Threaded Galvanized Conduit Acc. (Bushings)
- ◆ RSC Threaded Galvanized Steel Conduits and Acc.
- ◆ PVC Coated RSC Threaded Galvanized Steel Cond. and Acc.
- ◆ Galvanized Steel Conduit Acc. (Condulets)
- ◆ Cast Aluminum Junction Boxes and Acc. for Outdoor Use

EMT GALVANIZED THREADLESS STEEL CONDUITS / PRE-GALVANIZED COATING / STANDARD TYPE

ANSI ENE CE



- Certified by ANSI C80.3, GOST-R, EAC, CE.
- Burr-free electrical installation conduits.
- Pre-galvanized coating and **bendable**.
- Standard product length **3.00 m**.
- $\pm 5\%$ tolerance of all below-mentioned physical characteristics.
- Especially used in construction of social buildings, business centers, workshops and high-rise buildings.

MSM Code	Stock Code	Thread Size	Nominal Diameter (ID x OD, mm)	Nominal Wall Thickness (mm)	Weight (m/kg)	Weight (length/kg)	Quantity per Bundle (pcs)	Bundle Weight (bundle/kg)
EMT-101	EMT-050P	1/2"	15,79 x 17,93	1,07	0,44	1,32	10	13,20
EMT-102	EMT-075P	3/4"	20,92 x 23,42	1,25	0,68	2,04	10	20,04
EMT-103	EMT-100P	1"	26,64 x 29,54	1,45	1,00	3,00	10	30,00
EMT-104	EMT-125P	1 1/4"	35,05 x 38,35	1,65	1,49	4,46	5	22,35
EMT-105	EMT-150P	1 1/2"	40,90 x 44,20	1,65	1,73	5,18	5	25,95
EMT-106	EMT-200P	2"	52,50 x 55,80	1,65	2,20	6,60	3	19,80
EMT-107	EMT-250P	2 1/2"	69,37 x 73,03	1,83	3,07	9,22	3	27,66
EMT-108	EMT-300P	3"	85,24 x 88,90	1,83	3,87	11,60	2	23,20
EMT-109	EMT-400P	4"	110,10 x 114,30	2,11	5,81	17,43	2	35,00

EMT GALVANIZED THREADLESS STEEL CONDUITS / PRE-GALVANIZED COATING / THINNER WALL/THICKNESS TYPE

ANSI ENE CE



- Certified by ANSI C80.3, GOST-R, EAC, CE.
- Burr-free electrical installation conduits.
- Pre-galvanized coating and **non-bending**.
- Standard product length **3.00 m**.
- $\pm 5\%$ tolerance of all below-mentioned physical characteristics.
- It can be used in installations that do not require bending, especially used in construction of social buildings, business centers, workshops and high-rise buildings.

MSM Code	Stock Code	Thread Size	Nominal Diameter (ID x OD, mm)	Nominal Wall Thickness (mm)	Weight (m/kg)	Weight (length/kg)	Quantity per Bundle (pcs)	Bundle Weight (bundle/kg)
EMT-101.T	EMT-050T	1/2"	16,33 x 17,93	0,80	0,37	1,10	10	22,00
EMT-102.T	EMT-075T	3/4"	21,62 x 23,42	0,90	0,47	1,40	10	14,00
EMT-103.T	EMT-100T	1"	27,54 x 29,54	1,00	0,60	1,80	10	18,00
EMT-104.T	EMT-125T	1 1/4"	35,15 x 38,35	1,30	0,93	2,80	5	14,00
EMT-105.T	EMT-150T	1 1/2"	41,60 x 44,20	1,30	1,27	3,80	5	19,00
EMT-106.T	EMT-200T	2"	53,20 x 55,80	1,30	1,73	5,20	3	26,00
EMT-107.T	EMT-250T	2 1/2"	69,90 x 73,03	1,70	2,70	8,10	3	24,30
EMT-108.T	EMT-300T	3"	85,50 x 88,90	1,70	3,20	9,80	2	19,60
EMT-109.T	EMT-400T	4"	110,50 x 114,30	1,90	4,80	14,40	2	28,80

EMT GALVANIZED THREADLESS STEEL CONDUITS / HOT-DIP GALVANIZED / STANDARD TYPE



- Certified by UL 797 and ANSI C80.3, GOST-R, EAC, CE.
- Burr-free electrical installation conduits.
- Hot-dip galvanised coating and **bendable**.
- Standard product length **3.05 m**.
- $\pm 5\%$ tolerance of all below-mentioned physical characteristics.
- Especially used in construction of social, industrial buildings, ships etc. suitable for outdoor use and wet conditions.

MSM Code	Stock Code	Thread Size	Nominal Diameter (ID x OD, mm)	Nominal Wall Thickness (mm)	Weight (m/kg)	Weight (length/kg)	Quantity per Bundle (pcs)	Bundle Weight (bundle/kg)
EMT-101.H	C-E00050	1/2"	15,79 x 17,93	1,07	0,45	1,36	10	13,60
EMT-102.H	C-E00075	3/4"	20,94 x 23,42	1,24	0,69	2,09	10	20,90
EMT-103.H	C-E00100	1"	26,64 x 29,54	1,45	1,00	3,04	10	30,04
EMT-104.H	C-E00125	1 1/4"	35,05 x 38,35	1,65	1,50	4,58	5	22,90
EMT-105.H	C-E00150	1 1/2"	40,90 x 44,20	1,65	1,72	5,26	5	26,30
EMT-106.H	C-E00200	2"	52,50 x 55,80	1,65	2,20	6,71	3	20,13
EMT-107.H	C-E00250	2 1/2"	69,37 x 73,03	1,83	3,21	9,80	3	29,40
EMT-108.H	C-E00300	3"	85,24 x 88,90	1,83	3,91	11,93	2	23,86
EMT-109.H	C-E00400	4"	110,08 x 114,30	2,11	5,85	17,83	2	35,66

EMT GALVANIZED THREADLESS STEEL CONDUITS / HOT-DIP GALVANIZED / STANDARD TYPE



- Certified by UL 797 and ANSI C80.3, GOST-R, EAC, CE.
- Burr-free electrical installation conduits.
- Hot-dip galvanised coating and **bendable**.
- Standard product length **3.05 m**.
- $\pm 5\%$ tolerance of all below-mentioned physical characteristics.
- Especially used in construction of social, industrial buildings, ships etc. suitable for outdoor use and wet conditions.

MSM Code	Stock Code	Thread Size	Nominal Diameter (ID x OD, mm)	Nominal Wall Thickness (mm)	Weight (m/kg)	Weight (length/kg)	Quantity per Bundle (pcs)	Bundle Weight (bundle/kg)
EMT-101.S	EMT-050H	1/2"	15,79 x 17,93	1,07	0,44	1,32	10	13,20
EMT-102.S	EMT-075H	3/4"	20,94 x 23,42	1,25	0,68	2,04	10	20,40
EMT-103.S	EMT-100H	1"	26,64 x 29,54	1,45	1,00	3,00	10	30,00
EMT-104.S	EMT-125H	1 1/4"	35,05 x 38,35	1,65	1,49	4,46	5	22,35
EMT-105.S	EMT-150H	1 1/2"	40,90 x 44,20	1,65	1,73	5,18	5	25,95
EMT-106.S	EMT-200H	2"	52,50 x 55,80	1,65	2,20	6,60	3	19,80
EMT-107.S	EMT-250H	2 1/2"	69,37 x 73,03	1,83	3,21	9,79	3	29,40
EMT-108.S	EMT-300H	3"	85,24 x 88,90	1,83	3,93	11,99	2	23,80
EMT-109.S	EMT-400H	4"	110,08 x 114,30	2,11	5,84	17,81	2	35,60

NOTE: All EMT type conduits and accessories can be coated with electrostatic paint in the requested RAL... colors.

SCREW TYPE ENDING CONNECTOR / ZAMAK

UL EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Used to connect EMT conduits to junction and terminal boxes and cable trays.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
ME-501	SSCN-050	1/2"	100	2,00
ME-502	SSCN-075	3/4"	100	3,20
ME-503	SSCN-100	1"	50	2,80
ME-504	SSCN-125	1 1/4"	25	2,20
ME-505	SSCN-150	1 1/2"	20	2,20
ME-506	SSCN-200	2"	10	1,60
ME-507	SSCN-250	2 1/2"	40	11,0
ME-508	SSCN-300	3"	40	16,0
ME-509	SSCN-400	4"	20	11,0

Note: This connector is also available in 90° degree (3/4", 1", 1 1/4") sizes.

SCREW TYPE ENDING CONNECTOR / STEEL

UL EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Steel.
- Used to connect EMT conduits to junction and terminal boxes and cable trays.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
ME-721	H-50S	1/2"	50	2,12
ME-722	H-75S	3/4"	25	1,49
ME-723	H-100S	1"	20	1,89
ME-724	H-125S	1 1/4"	25	4,10
ME-725	H-150S	1 1/2"	25	4,50
ME-726	H-200S	2"	20	4,70
ME-727	H-250S	2 1/2"	12	4,00
ME-728	H-300S	3"	12	4,80
ME-729	H-400S	4"	6	3,30

COMPRESSION TYPE ENDING CONNECTOR / ZAMAK

UL EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Used to connect EMT conduits to junction and terminal boxes and cable trays.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
ME-601	CCN-050	1/2"	100	3,00
ME-602	CCN-075	3/4"	50	2,40
ME-603	CCN-100	1"	50	3,80
ME-604	CCN-125	1 1/4"	25	2,80
ME-605	CCN-150	1 1/2"	20	3,40
ME-606	CCN-200	2"	10	2,60
ME-607	CCN-250	2 1/2"	40	13,00
ME-608	CCN-300	3"	40	18,00
ME-609	CCN-400	4"	20	15,00

Note: 2 1/2", 3", 4" sizes of this connector are made of steel origin.

COMPRESSION TYPE ENDING CONNECTOR / STEEL

UL EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Steel.
- Used to connect EMT conduits to junction and terminal boxes and cable trays.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
ME-701	ZC-50S	1/2"	25	1,43
ME-702	ZC-75S	3/4"	25	2,05
ME-703	ZC-100S	1"	10	1,32
ME-704	ZC-125S	1 1/4"	25	4,40
ME-705	ZC-150S	1 1/2"	20	5,00
ME-706	ZC-200S	2"	15	4,80
ME-707	ZC-250S	2 1/2"	8	6,00
ME-708	ZC-300S	3"	4	3,60
ME-709	ZC-400S	4"	4	5,00

SCREW TYPE COUPLING / ZAMAK

UL EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Used in screw type connections of EMT conduits.

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-511	SSCP-050	1/2"	100	2,20
ME-512	SSCP-075	3/4"	100	3,20
ME-513	SSCP-100	1"	50	2,60
ME-514	SSCP-125	1 1/4"	25	2,20
ME-515	SSCP-150	1 1/2"	20	2,20
ME-516	SSCP-200	2"	10	1,60
ME-517	SSCP-250	2 1/2"	40	11,00
ME-518	SSCP-300	3"	40	14,00
ME-519	SSCP-400	4"	20	11,00

COMPRESSION TYPE COUPLING / ZAMAK

UL EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Used in compression type connections of EMT conduits.

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-611	CCP-050	1/2"	100	3,80
ME-612	CCP-075	3/4"	50	2,80
ME-613	CCP-100	1"	50	4,20
ME-614	CCP-125	1 1/4"	25	3,40
ME-615	CCP-150	1 1/2"	20	3,60
ME-616	CCP-200	2"	10	2,40
ME-617	CCP-250	2 1/2"	40	14,70
ME-618	CCP-300	3"	40	18,80
ME-619	CCP-400	4"	20	16,60

Note: 2 1/2", 3", 4" sizes of this coupling are made of steel origin.

SCREW TYPE COUPLING / STEEL

UL EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Steel.
- Used in screw type connections of EMT conduits.

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-731	Z-50S	1/2"	50	1,87
ME-732	Z-75S	3/4"	25	1,34
ME-733	Z-100S	1"	20	1,66
ME-734	Z-125S	1 1/4"	25	4,20
ME-735	Z-150S	1 1/2"	25	4,70
ME-736	Z-200S	2"	20	5,20
ME-737	Z-250S	2 1/2"	12	7,00
ME-738	Z-300S	3"	12	9,00
ME-739	Z-400S	4"	6	6,40

COMPRESSION TYPE COUPLING / STEEL

UL EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Steel.
- Used in compression type connections of EMT conduits.

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-711	ZCC-50S	1/2"	25	1,70
ME-712	ZCC-75S	3/4"	25	2,30
ME-713	ZCC-100S	1"	10	1,43
ME-714	ZCC-125S	1 1/4"	25	4,70
ME-715	ZCC-150S	1 1/2"	20	5,80
ME-716	ZCC-200S	2"	15	4,70
ME-717	ZCC-250S	2 1/2"	8	7,00
ME-718	ZCC-300S	3"	4	4,20
ME-719	ZCC-400S	4"	4	6,10

TWO-HOLE CLAMP

UL PG ENE CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Used to fix EMT conduits to a mounting surface.

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-521	TSP-050	1/2"	100	1,05
ME-522	TSP-075	3/4"	100	1,30
ME-523	TSP-100	1"	50	0,85
ME-524	TSP-125	1 1/4"	50	1,05
ME-525	TSP-150	1 1/2"	25	1,09
ME-526	TSP-200	2"	20	1,26
ME-527	TSP-250	2 1/2"	100	10,0
ME-528	TSP-300	3"	100	13,0
ME-529	TSP-400	4"	50	9,0

ONE-HOLE CLAMP

UL PG ENE CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Used to fix EMT conduits to a mounting surface.

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-531	OSP-050	1/2"	200	1,60
ME-532	OSP-075	3/4"	200	2,00
ME-533	OSP-100	1"	100	1,40
ME-534	OSP-125	1 1/4"	50	1,20
ME-535	OSP-150	1 1/2"	50	1,70
ME-536	OSP-200	2"	25	1,10
ME-537	OSP-250	2 1/2"	100	15,0
ME-538	OSP-300	3"	100	16,5
ME-539	OSP-400	4"	50	10,0

CONDUIT HANGER

UL PG ENE CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Hot-dip galvanized hangers are also available.
- Used to fix EMT conduits to a mounting surface.

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-571	CH-050	1/2"	400	12,0
ME-572	CH-075	3/4"	300	10,0
ME-573	CH-100	1"	200	9,0
ME-574	CH-125	1 1/4"	150	8,0
ME-575	CH-150	1 1/2"	100	7,0
ME-576	CH-200	2"	75	6,0
ME-577	CH-250	2 1/2"	50	6,0
ME-578	CH-300	3"	50	6,3
ME-579	CH-400	4"	25	4,0

RAIL TYPE CLAMP

UL PG ENE CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Hot-dip galvanized clamps are also available.
- Used to fix EMT conduits to C and G profiles.

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-581	SC-050E	1/2"	300	15,0
ME-582	SC-075E	3/4"	300	20,0
ME-583	SC-100E	1"	250	18,0
ME-584	SC-125E	1 1/4"	200	16,3
ME-585	SC-150E	1 1/2"	150	19,7
ME-586	SC-200E	2"	150	22,5
ME-587	SC-250	2 1/2"	100	17,0
ME-588	SC-300	3"	100	20,0
ME-589	SC-400	4"	50	14,8

NOTE: 2 1/2", 3", 4" sizes of Hangers and Clamps on this page can also be selected from the threaded conduit (IMC) series.

90° - THREADLESS ELBOW

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Pre-galvanized coating.
- UL certificated and hot-dip galvanized coating types are also available. (ME-54..H coded)
- Used for 90° turns of EMT conduits.

MSM Code	Stock Code	Size	Bending Radius (r - mm)	Quantity per Package (pcs)
ME-541	8300	1/2"	102	200
ME-542	8301	3/4"	114	100
ME-543	8302	1"	146	50
ME-544	8303	1 1/4"	184	25
ME-545	8304	1 1/2"	210	20
ME-546	8305	2"	241	15
ME-547	8306	2 1/2"	266	10
ME-548	8307	3"	330	9
ME-549	8309	4"	406	9

45° - THREADLESS ELBOW

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Pre-galvanized coating.
- UL certificated and hot-dip galvanized coating types are also available. (ME-64..H coded)
- Used for 45° turns of EMT conduits.

MSM Code	Stock Code	Size	Bending Radius (r - mm)	Quantity per Package (pcs)
ME-641	8310	1/2"	102	10,60
ME-642	8311	3/4"	114	17,50
ME-643	8312	1"	146	17,50
ME-644	8313	1 1/4"	184	28,00
ME-645	8314	1 1/2"	210	32,50
ME-646	8315	2"	241	13,50
ME-647	8316	2 1/2"	266	20,00
ME-648	8317	3"	330	24,50
ME-649	8319	4"	406	43,00

90° - PULL CORNER ELBOW – SCREW TYPE

UL PG EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Used in top controlled, angled turns of EMT conduits.

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-651	ETE-050	1/2"	50	3,2
ME-652	ETE-075	3/4"	40	4,2
ME-653	ETE-100	1"	20	4,0

90° - CAPPED CORNER PULLING ELBOW – SCREW TYPE

UL PG EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Used in laterally controlled turns of EMT conduits.

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-661	CCC-050	1/2"	50	3,6
ME-662	CCC-075	3/4"	25	2,2
ME-663	CCC-100	1"	20	3,2

EMT OFFSET CONNECTOR – SCREW ELBOW

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Used to connect EMT conduit to junction and terminal boxes and other boxes.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
ME-791	MHZ-50	1/2"	100	3,4
ME-792	MHZ-75	3/4"	50	2,2
ME-793	MHZ-100	1"	50	3,0

90° - PULL CORNER ELBOW WITH A CONNECTOR – SCREW TYPE

UL PG EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast)
- Used in thread type 90° connections of EMT conduit to junction and terminal boxes and other castings.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
ME-631	ETB-050	1/2"	50	3,2
ME-632	ETB-075	3/4"	40	4,2
ME-633	ETB-100	1"	20	4,0

EMT CONDUIT GROUNDING - PVC INSULATED METAL BUSHING

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Cast iron.
- Electro-galvanized coating.
- Minimizes wire chafing by means of PVC insulation.
- Used in EMT conduit ending systems and as a grounding.

MSM Code	Size	Quantity per Package (pcs)	Package Weight (kg)
TB-G1.E	1/2"	100	2,3
TB-G2.E	3/4"	100	2,8
TB-G3.E	1"	50	2,1
TB-G4.E	1 1/4"	50	3,0
TB-G5.E	1 1/2"	40	2,5
TB-G6.E	2"	40	4,3
TB-G7.E	2 1/2"	20	2,6
TB-G8.E	3"	20	3,0
TB-G9.E	4"	10	4,0

CAST ALUMINUM BOXES / SWITCHES AND SOCKET OUTLETS

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Aluminum Cast.
- Conduit entry thread size is 1/2".
- Waterproof and sealed type.
- Any type of switch and socket can be mounted to the box.
- Suitable for use over plaster in EMT conduit installation.

MSM Code	Description	Size WxHxD (mm)
ME-771	One Gang Switch	82x97x68
ME-772	Two Gang – Two Way Switch	82x97x68
ME-773	Two Gang Switch	82x97x68
ME-774	Socket Outlet with Grounding	82x97x68
ME-775	Telephone Outlet	82x97x68
ME-776	Data Outlet	82x97x68
ME-777	UPS Outlet	82x97x68
ME-778	TV Outlet	82x97x68

T-TYPE DISTRIBUTOR

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Copper, nickel coating. According to request electro galvanized coating can be made.
- Used to distribute cables inside the EMT conduits.

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-761	TD-01	1/2"	50	1,6
ME-762	TD-02	3/4"	50	2,2

PVC END CAP – TRANSPARENT (ENDING)

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Polyethylene.
- Fits tightly over EMT conduits.
- According to request, it can be produced in black and grey.
- Used in EMT conduit ending systems.

MSM Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-561	1/2"	100	0,1
ME-562	3/4"	100	0,2
ME-563	1"	100	0,4
ME-564	1 1/4"	50	0,4
ME-565	1 1/2"	50	0,5
ME-566	2"	25	0,4

NOTE: PVC Entules (grey/black) on page 38 can be used for sizes over 2" in EMT type conduits.

EMT CONDUIT BENDER

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Aluminum Cast.
- The handle is made of a thick-walled threaded conduit.
- Used to bend EMT conduit to produce a required angle.

MSM Code	Stock Code	EMT Conduit Size	IMC Conduit Size
ME-591	ACB-050H	1/2"	-
ME-592	ACB-075H	3/4"	1/2"
ME-593	ACB-100H	1"	3/4"

NOTE: These apparatuses can also bend IMC type conduits in the sizes specified in the list.

90° SHORT ELBOW

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Copper, nickel coating. According to request electro galvanized coating can be made.
- Used for sharp bends in EMT conduits.

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-751	KD-01	1/2"	50	1,0
ME-752	KD-02	3/4"	50	1,4

EMT & FLEX. STEEL COND. CONN. ADAP. / SCREW - FERRULE TYPE

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Used for screw/compression type connections of EMT and flexible steel conduits.

MSM Code	Stock Code	Suitable Flexible Conduit Size	EMT Size	Quantity per Package (pcs)
ME-621	DKJB-050	MN... -16	1/2"	50
ME-622	DKJB-075	MN... -21	3/4"	50
ME-623	DKJB-100	MN... -26	1"	25
ME-624	DKJB-125	MN... -35	1 1/4"	20
ME-625	DKJB-150	MN... -40	1 1/2"	10
ME-626	DKJB-200	MN... -52	2"	10
ME-627	DKJB-250	MN... -63	2 1/2"	25
ME-628	DKJB-300	MN... -78	3"	20
ME-629	DKJB-400	MN... -102	4"	10

EMT & FLEXIBLE STEEL COND. CONN. ADAPTER / COMP. TYPE

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Used in compression type connections of EMT and flexible steel conduits.

MSM Code	Suitable Flexible Conduit Size	EMT Size	Quantity per Package (pcs)
ME-671	MN... -16	1/2"	50
ME-672	MN... -21	3/4"	50
ME-673	MN... -26	1"	25
ME-674	MN... -35	1 1/4"	20
ME-675	MN... -40	1 1/2"	10
ME-676	MN... -52	2"	10
ME-677	MN... -63	2 1/2"	25
ME-678	MN... -78	3"	20
ME-679	MN... -102	4"	10

EMT & FLEXIBLE STEEL COND. CONN. ADAPTER / SCREW TYPE

UL PG EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Connects different sizes of flexible conduit together by means of a regulating screw.
- Used in screw type connections of EMT and flexible steel conduits.

MSM Code	Stock Code	Suitable Flexible Conduit Size	EMT Size	Paket Miktarı (ad.)
ME-551	ESC-050	MN... -16	1/2"	50
ME-552	ESC-075	MN... -21	3/4"	40
ME-553	ESC-100	MN... -26	1"	20

EMT / IMC & FLEXIBLE CONDUIT CONNECTING ADAPTER

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- NPT thread featured.
- Used for connecting EMT type or threaded conduits with steel flexible conduits.

MSM Code	Stock Code	Suitable Flexible Conduit Size	EMT/IMC Size	Quantity per Package (pcs)
ME-411	DPN-050	MN... -16	1/2"	50
ME-412	DPN-075	MN... -21	3/4"	50
ME-413	DPN-100	MN... -26	1"	25
ME-414	DPN-125	MN... -35	1 1/4"	20
ME-415	DPN-150	MN... -40	1 1/2"	10
ME-416	DPN-200	MN... -52	2"	10
ME-417	DPN-250	MN... -63	2 1/2"	5
ME-418	DPN-300	MN... -78	3"	8
ME-419	DPN-400	MN... -102	4"	5

PAINTED EMT & IMC TYPE CONDUITS AND ACCESSORIES



NOTE: All types of EMT conduits and accessories can be painted in any RAL color using electrostatic oven paint. (It is recommended to use red color accessories especially in fire alarm systems).

SQUARE JUNCTION BOX EXTENSION RING / 102x102x38 mm

UL ENEC CE



- Certified by GOST-R, EAC and CE.
- Made of pre-galvanized metal sheet.
- Standard metal sheet thickness min. 1,0 mm, (max. 1,6 mm. with UL)
- Used to extend the depth of square boxes in EMT conduit installation.

MSM Code	Stock Code	Size WxH (mm)	Knockout Number (pcs)
MG-762	53151-1/2" & 3/4"	102x102x38	8x1/2"+4x3/4"

SQUARE JUNCTION BOX COVER / 102 x 102 mm

UL ENEC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of pre-galvanized metal sheet.
- Standard metal sheet thickness min. 1,0 mm, (max. 1,6 mm. with UL)
- Used as a cover for square boxes in EMT conduit installation.

MSM Code	Stock Code	Size WxH (mm)	Knockout Number (pcs)
MG-772	52C6	102x102	1x1/2"

SQUARE JUNCTION BOX COVER / 120 x 120 mm

UL ENEC CE

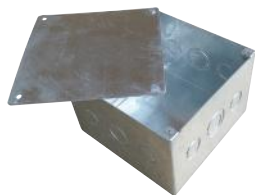


- Certified by UL, GOST-R, EAC and CE.
- Made of pre-galvanized metal sheet.
- Standard metal sheet thickness min. 1,0 mm, (max. 1,6 mm. with UL)
- Used as a cover for square box in EMT conduit installation.

MSM Code	Stock Code	Size WxH (mm)	Knockout Number (pcs)
MG-782	72C6	120x120	1x1/2"

INDOOR TYPE PULL BOX

ENEC CE



- Certified by GOST-R, EAC and CE.
- Made of pre-galvanized metal sheet.
- Standard metal sheet thickness 1,0mm.
- There are blind holes on all side surfaces as stated below.
- Used as surface-mounted distribution junction in EMT conduit installation.

*

MSM Code	Sizes LxWxH (mm)	Total Knockout Number (Øxpcs)	Weight (kg)
MG-791	150x150x100	8(Ø25)+4(Ø35)	0,80
MG-792	200x200x100	16(Ø25)+4(Ø35)	1,30
MG-793	250x250x150	16(Ø25)+4(Ø35)	2,00
MG-794	300x300x150	24(Ø25)+4(Ø35)	2,90

* For boxes of other sizes and characteristics see page 28 and 43.

OCTAGONAL JUNCTION BOX EXTENSION RING / 102x102x38 mm

UL ENEC CE



- Certified by GOST-R, EAC and CE.
- Made of pre-galvanized metal sheet.
- Standard metal sheet thickness min. 1,0 mm, (max. 1,6 mm. with UL)
- Used to extend the depth of octagonal boxes in EMT conduit installation.

MSM Code	Stock Code	Size WxH (mm)	Knockout Number (pcs)
MG-761	55151-1/2" & 3/4"	102x102x38	2x1/2"+2x3/4"

OCTAGONAL JUNCTION BOX COVER / 102 x 102 mm

UL ENEC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of pre-galvanized metal sheet.
- Standard metal sheet thickness min. 1,0 mm, (max. 1,6 mm. with UL)
- Used as a cover for octagonal boxes in EMT conduit installation.

MSM Code	Stock Code	Size WxH (mm)	Knockout Number (pcs)
MG-771	54C6	102x102	1x1/2"

RECTANGULAR JUNCTION BOX COVER / 102 x 54 mm

UL ENEC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of pre-galvanized metal sheet.
- Standard metal sheet thickness min. 1,0 mm, (max. 1,6 mm. with UL)
- Used as a cover for rectangular boxes in EMT conduit installation.

MSM Code	Stock Code	Size WxH (mm)	Knockout Number (pcs)
MG-781	58C6	102x54	1x1/2"

METAL PLUG

ENEC CE



- Certified by GOST-R, EAC and CE.
- Made of pre-galvanized metal sheet.
- Standard metal sheet thickness 1,0 mm.
- Used to cover the holes opened as backup in the panels.
- Used as a cover of knockout holes in metal enclosures in EMT conduit installation over plaster.

MSM Code	Stock Code	Size	Quantity per Package (pcs)
MG-751	KOS-050	1/2"	100
MG-752	KOS-075	3/4"	100
MG-753	KOS-100	1"	50
MG-754	KOS-125	1 1/4"	50
MG-755	KOS-150	1 1/2"	25
MG-756	KOS-200	2"	20

OCTAGONAL JUNCTION BOX / 102x102x38 mm

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of pre-galvanized metal sheet.
- The depth and the walls can be extended using an extension ring.
- Standard metal sheet thickness min. 1,0 mm, (max. 1,6 mm. with UL)
- Used in EMT / IMC conduits installation over plaster.

(*)

MSM Code	Stock Code	Side Knockouts Number x Size	Bottom Knockouts Number x Size
MG-751.1	54151-1/2"	4 x 1/2"	5 x 1/2"
MG-751.2	54151-3/4"	4 x 3/4"	3 x 1/2"+2 x 3/4"
MG-751.3	54151-1/2"&3/4"	2 x 1/2"+2 x 3/4"	3 x 1/2"+2 x 3/4"

OCTAGONAL JUNCTION BOX / 102x102x54 mm

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of pre-galvanized metal sheet.
- The depth and the walls can be extended using an extension ring.
- Standard metal sheet thickness min. 1,0 mm, (max. 1,6 mm. with UL)
- Used in EMT / IMC conduits installation over plaster.

(*)

MSM Code	Stock Code	Side Knockouts Number x Size	Bottom Knockouts Number x Size
MG-755.1	54171-1/2"	4 x 1/2"	5 x 1/2"
MG-755.2	54171-3/4"	4 x 3/4"	3 x 1/2"+2 x 3/4"
MG-755.3	54171-1/2"&3/4"	2 x 1/2"+2 x 3/4"	3 x 1/2"+2 x 3/4"
MG-755.4	54171-1"	4 x 1"	3 x 1/2"+2 x 3/4"

RECTANGULAR JUNCTION BOX / 102x54x48 mm

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of pre-galvanized metal sheet.
- Standard metal sheet thickness min. 1,0 mm, (max. 1,6 mm. with UL)
- Used in EMT / IMC conduits installation over plaster.
- Can be used for montage of switch - socket that conforms to American standard.

(*) (*)

MSM Code	Stock Code	Side Knockouts Number x Size	Bottom Knockouts Number x Size
MG-756.1	58361-1/2"	8x1/2"	3x1/2"
MG-756.2	58361-3/4"	6x3/4"	2x3/4"
MG-756.3	58361-1/2&3/4"	4x1/2"+4x3/4"	2x1/2"+1x3/4"

(*) The depth of such junction boxes can be extended with the extension pieces on the page 13.

(*) (*) For switch - socket montage boxes that conforms to EUROPEAN standard, see page 43.

SQUARE JUNCTION BOX / 102x102x38 mm

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of pre-galvanized metal sheet.
- The depth and the walls can be extended using an extension ring.
- Standard metal sheet thickness min. 1,0 mm, (max. 1,6 mm. with UL)
- Used in EMT / IMC conduits installation over plaster.

(*)

MSM Code	Stock Code	Side Knockouts Number x Size	Bottom Knockouts Number x Size
MG-752.1	52151-1/2"	12 x 1/2"	5 x 1/2"
MG-752.2	52151-3/4"	8 x 3/4"	5 x 1/2"
MG-752.3	52151-1/2"&3/4"	8 x 1/2"+4 x 3/4"	3 x 1/2"+2 x 3/4"

SQUARE JUNCTION BOX / 102x102x54 mm

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of pre-galvanized metal sheet.
- The depth and the walls can be extended using an extension ring.
- Standard metal sheet thickness min. 1,0 mm, (max. 1,6 mm. with UL)
- Used in EMT / IMC conduits installation over plaster.

(*)

MSM Code	Stock Code	Side Knockouts Number x Size	Bottom Knockouts Number x Size
MG-753.1	52171-1/2"	12 x 1/2"	5 x 1/2"
MG-753.2	52171-3/4"	8 x 3/4"	3 x 1/2"+2 x 3/4"
MG-753.3	52171-1/2"&3/4"	8 x 1/2"+4 x 3/4"	3 x 1/2"+2 x 3/4"
MG-753.4	52171-1"	8 x 1"	3 x 1/2"+2 x 3/4"

KARE BUAT / 120 x 120 x 54 mm

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of pre-galvanized metal sheet.
- Standard metal sheet thickness min. 1,0 mm, (max. 1,6 mm. with UL)
- Used in EMT / IMC conduits installation over plaster.

MSM Code	Stock Code	Side Knockouts Number x Size	Bottom Knockouts Number x Size
MG-754.1	72171-1/2"	12x1/2"	5x1/2"
MG-754.2	72171-3/4"	8x3/4"	3x1/2"+2x3/4"
MG-754.3	72171-1/2&3/4"	8x1/2"+4x3/4"	3x1/2"+2x3/4"
MG-754.4	72171-1"	8x1"	3x1/2"+2x3/4"
MG-754.5	72171-1/2&1"	4x1/2"+4x1"	3x1/2"+2x3/4"
MG-754.6	72171-3/4&1"	4x3/4"+4x1"	3x1/2"+2x3/4"

IMC TYPE GALVANIZED STEEL THREADED RIGID CONDUITS / PRE-GALVANIZED

ANSI EAC CE



- Certified by ANSI C80.6, GOST-R, EAC and CE.
- Burr-free electrical installation conduits.
- Made of pre-galvanized steel and **bendable**.
- Standard product length **3.00 m**, has a coupling on one end.
- $\pm 5\%$ tolerance of all below mentioned physical characteristics.
- Especially used in industrial facilities, business centers, workshops and high-rise buildings.

MSM Code	Stock Code	Thread Size	Nominal Diameter (ID x OD, mm)	Nominal Wall Thickness (mm)	Weight (m/kg)	Weight (length/kg)	Quantity per Bundle (pcs)	Bundle Weight (bundle/kg)
IMC-201	IMC-050P	1/2"	17,12 x 20,70	1,79	0,79	2,38	10	23,80
IMC-202	IMC-075P	3/4"	22,30 x 26,10	1,90	1,02	3,06	10	30,60
IMC-203	IMC-100P	1"	28,47 x 32,77	2,15	1,51	4,53	10	45,30
IMC-204	IMC-125P	1 1/4"	37,27 x 41,59	2,16	1,95	5,84	5	29,20
IMC-205	IMC-150P	1 1/2"	43,24 x 47,82	2,29	2,47	7,41	5	37,05
IMC-206	IMC-200P	2"	55,11 x 59,93	2,41	3,12	9,36	3	28,08

NOTE: IMC type conduits are available in sizes up to 2 1/2", 3" and 4" with hot dip galvanized coating.

IMC TYPE GALVANIZED STEEL THREADED RIGID CONDUITS / HOT-DIP GALVANIZED

UL ANSI EAC CE



- Certified by UL 1242 and ANSI C80.6, GOST-R, EAC and CE.
- Burr-free electrical installation conduits.
- Made of hot-dip galvanized steel.
- $\pm 5\%$ tolerance of all below mentioned physical characteristics.
- Standard product length **3.05 m**, has a coupling on one end.
- See page 21 for sizes of over 4" conduits up to 6".
- Especially used in construction of industrial facilities, workshops, ships etc. Suitable for outdoor and indoor use and wet conditions.

MSM Code	Stock Code	Thread Size	Nominal Diameter (ID x OD, mm)	Nominal Wall Thickness (mm)	Weight (m/kg)	Weight (length/kg)	Quantity per Bundle (pcs)	Bundle Weight (bundle/kg)
IMC-201.H	C-I00050	1/2"	16,76 x 20,70	1,97	0,92	2,81	10	28,10
IMC-202.H	C-I00075	3/4"	21,93 x 26,13	2,10	1,25	3,81	10	38,10
IMC-203.H	C-I00100	1"	28,07 x 32,77	2,35	1,77	5,40	5	27,00
IMC-204.H	C-I00125	1 1/4"	36,75 x 41,59	2,42	2,35	7,17	3	21,51
IMC-205.H	C-I00150	1 1/2"	42,74 x 47,82	2,54	2,89	8,80	3	26,40
IMC-206.H	C-I00200	2"	54,59 x 59,93	2,67	3,81	11,62	3	34,86
IMC-207.H	C-I00250	2 1/2"	64,95 x 72,52	3,81	6,57	20,02	2	40,04
IMC-208.H	C-I00300	3"	80,67 x 88,29	3,81	8,08	24,65	2	49,30
IMC-209.H	C-I00400	4"	105,82 x 113,44	3,81	10,42	31,78	1	31,78

MALE TYPE CONNECTOR (HUB)

UL ENEC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Has a flat rubber link-seal.
- Used to connect threaded conduits to junction boxes, panels etc.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MI-501	H-050	1/2"	50	3,2
MI-502	H-075	3/4"	50	4,0
MI-503	H-100	1"	25	2,6
MI-504	H-125	1 1/4"	50	20,0
MI-505	H-150	1 1/2"	20	10,5
MI-506	H-200	2"	20	13,0
MI-507	H-250	2 1/2"	10	14,0
MI-508	H-300	3"	8	17,0
MI-509	H-400	4"	5	13,0

ERICKSON COUPLING – 3 PIECES (UNION)

UL ENEC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of malleable Iron, has 3 parts.
- Electro-galvanized coating.
- Hot-dip galvanized types are also available. (With UL Listed)
- Used in connections of surface fixed threaded conduits.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MI-551	TPU-050	1/2"	120	14,0
MI-552	TPU-075	3/4"	100	17,0
MI-553	TPU-100	1"	75	19,0
MI-554	TPU-125	1 1/4"	50	22,0
MI-555	TPU-150	1 1/2"	25	20,0
MI-556	TPU-200	2"	20	22,0
MI-557	TPU-250	2 1/2"	10	15,0
MI-558	TPU-300	3"	6	12,0
MI-559	TPU-400	4"	4	10,0

THREADED CONDUIT COUPLING

ENEC CE



- Certified by GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Used to connect threaded conduits.
- For UL certified, hot dip coated types, see page 22.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MI-511	IC-050	1/2"	500	16,3
MI-512	IC-075	3/4"	250	10,5
MI-513	IC-100	1"	200	11,3
MI-514	IC-125	1 1/4"	150	14,5
MI-515	IC-150	1 1/2"	120	13,3
MI-516	IC-200	2"	80	14,0
MI-517	IC-250	2 1/2"	40	21,0
MI-518	IC-300	3"	20	19,8
MI-519	IC-400	4"	20	17,3

CONDUIT CONNECTING NIPPLE

ENEC CE



- Certified by GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Used to connect internally threaded conduits.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MI-641	8380	1/2"	25	0,90
MI-642	8381	3/4"	25	1,40
MI-643	8382	1"	20	1,90
MI-644	8383	1 1/4"	20	2,50
MI-645	8384	1 1/2"	15	2,80
MI-646	8385	2"	15	3,20
MI-647	8386	2 1/2"	10	3,40
MI-648	8387	3"	6	3,10
MI-649	8389	4"	4	4,20

TWO-HOLE CLAMP

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Used to fix IMC conduit to a mounting surface. (With UL Listed)

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MI-521	TSP-050R	1/2"	100	1,10
MI-522	TSP-075R	3/4"	100	1,40
MI-523	TSP-100R	1"	50	0,90
MI-524	TSP-125R	1 1/4"	25	0,80
MI-525	TSP-150R	1 1/2"	20	0,85
MI-526	TSP-200R	2"	10	0,50
MI-527	TSP-250R	2 1/2"	100	10,0
MI-528	TSP-300R	3"	100	13,0
MI-529	TSP-400R	4"	50	9,0

ONE-HOLE CLAMP

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Used to fix IMC conduit to a mounting surface. (With UL Listed)

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MI-531	OSP-050R	1/2"	200	2,3
MI-532	OSP-075R	3/4"	100	2,2
MI-533	OSP-100R	1"	50	1,7
MI-534	OSP-125R	1 1/4"	50	2,6
MI-535	OSP-150R	1 1/2"	25	1,6
MI-536	OSP-200R	2"	20	2,4
MI-537	OSP-250R	2 1/2"	100	15,5
MI-538	OSP-300R	3"	100	16,5
MI-539	OSP-400R	4"	50	10,0

CONDUIT HANGER

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Hot-dip galvanized hangers are also available. (With UL Listed)
- Especially used to fix IMC conduit to a mounting surface especially to the ceilings.

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MI-701	CH-050	1/2"	400	12,0
MI-702	CH-075	3/4"	300	10,0
MI-703	CH-100	1"	200	9,0
MI-704	CH-125	1 1/4"	150	8,0
MI-705	CH-150	1 1/2"	100	7,0
MI-706	CH-200	2"	75	6,0
MI-707	CH-250	2 1/2"	50	6,0
MI-708	CH-300	3"	50	6,3
MI-709	CH-400	4"	25	4,0

RAIL TYPE CLAMP

UL ENEC EAC CE

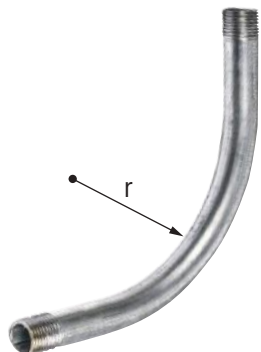


- Certified by UL, GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Hot-dip galvanized clamps are also available. (With UL Listed)
- Used to fix IMC conduits to C and G type profiles.

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MI-711	SC-050	1/2"	300	15,0
MI-712	SC-075	3/4"	300	17,4
MI-713	SC-100	1"	200	19,2
MI-714	SC-125	1 1/4"	200	17,7
MI-715	SC-150	1 1/2"	150	19,8
MI-716	SC-200	2"	150	22,5
MI-717	SC-250	2 1/2"	100	17,0
MI-718	SC-300	3"	100	20,0
MI-719	SC-400	4"	50	14,8

90° -THREADED ELBOW

PG EAC CE

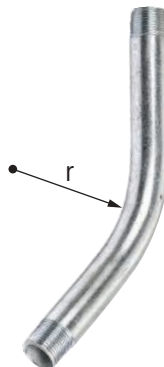


- Certified by GOST-R, EAC and CE.
- Pre-galvanized coating.
- UL certificated and hot-dip galvanized coating types are also available.
- Used for 90° turns of IMC conduits.

MSM Code	Stock Code	Thread Size	Bending Radius (r - mm)	Quantity per Package (pcs)
MI-541	8320	1/2"	102	100
MI-542	8321	3/4"	114	50
MI-543	8322	1"	146	40
MI-544	8323	1 1/4"	184	30
MI-545	8324	1 1/2"	210	20
MI-546	8325	2"	241	8
MI-547	8326	2 1/2"	266	4
MI-548	8327	3"	330	2
MI-549	8328	4"	406	1

45° -THREADED ELBOW

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Pre-galvanized coating.
- UL certificated and hot-dip galvanized coating types are also available.
- Used for 45° turns of IMC conduits.

MSM Code	Stock Code	Thread Size	Bending Radius (r - mm)	Quantity per Package (pcs)
MI-751	8330	1/2"	102	100
MI-752	8331	3/4"	114	50
MI-753	8332	1"	146	40
MI-754	8333	1 1/4"	184	30
MI-755	8334	1 1/2"	210	20
MI-756	8335	2"	241	8
MI-757	8336	2 1/2"	266	4
MI-758	8337	3"	330	2
MI-759	8338	4"	406	1

NOTE: For all dimensions of 45° and 90° elbows, hot dip galvanized coating types, see page 22.

90° -THREADED PULLING ELBOW

UL PG EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Used in upper controlled, angled turns of IMC conduits.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MI-761	RTR-050	1/2"	50	3,2
MI-762	RTR-075	3/4"	40	4,2
MI-763	RTR-100	1"	20	4,0

90° - THREADED PULLING ELBOW CONNECTOR

UL PG EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Used in threaded type 90° connections of IMC conduits to an outlet, junction and terminal boxes.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MI-771	RTB-050	1/2"	50	3,2
MI-772	RTB-075	3/4"	40	4,2
MI-773	RTB-100	1"	20	4,0

THERMOPLASTIC BUSHING

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Thermoplastic.
- Used in endings of threaded conduits.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MI-561	IPB-050	1/2"	100	0,2
MI-562	IPB-075	3/4"	100	0,3
MI-563	IPB-100	1"	50	0,3
MI-564	IPB-125	1 1/4"	50	0,4
MI-565	IPB-150	1 1/2"	40	0,3
MI-566	IPB-200	2"	40	0,5
MI-567	IPB-250	2 1/2"	20	0,4
MI-568	IPB-300	3"	20	0,6
MI-569	IPB-400	4"	10	0,5

METAL BUSHING / ZAMAK

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Used in endings of threaded conduits.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MI-571	CB-050	1/2"	100	0,7
MI-572	CB-075	3/4"	100	1,1
MI-573	CB-100	1"	50	0,9
MI-574	CB-125	1 1/4"	50	1,3
MI-575	CB-150	1 1/2"	40	1,5
MI-576	CB-200	2"	40	2,6
MI-577	CB-250	2 1/2"	20	1,6
MI-578	CB-300	3"	20	1,8
MI-579	CB-400	4"	10	1,3

GROUNDING- INSULATED METAL BUSHING / MALLEABLE IRON

UL PG EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Malleable Iron.
- Electro-galvanized coating.
- Protects the cable by means of PVC insulation.
- Used in ending and grounding of threaded conduits.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MI-731	CB-050G	1/2"	100	2,3
MI-732	CB-075G	3/4"	100	2,8
MI-733	CB-100G	1"	50	2,1
MI-734	CB-125G	1 1/4"	50	3,0
MI-735	CB-150G	1 1/2"	40	2,5
MI-736	CB-200G	2"	40	4,3
MI-737	CB-250G	2 1/2"	20	2,8
MI-738	CB-300G	3"	20	3,6
MI-739	CB-400G	4"	10	2,1
MI-740	CB-500G	5"	10	6,4
MI-741	CB-600G	6"	10	8,2

INSULATED METAL BUSHING / ZAMAK

UL PG EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Protects the cable by means of PVC insulation.
- Used in endings of threaded conduits.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MI-571.I	CB-050I	1/2"	100	0,8
MI-572.I	CB-075I	3/4"	100	1,2
MI-573.I	CB-100I	1"	50	1,0
MI-574.I	CB-125I	1 1/4"	50	1,4
MI-575.I	CB-150I	1 1/2"	40	1,6
MI-576.I	CB-200I	2"	40	2,8
MI-577.I	CB-250I	2 1/2"	20	1,8
MI-578.I	CB-300I	3"	20	1,9
MI-579.I	CB-400I	4"	10	1,4

LOCK NUT (GAS THREAD) / STEEL

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Pre-galvanized coating.
- Used to fasten threaded connectors.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MI-581.G	LN-050	1/2"	200	1,10
MI-582.G	LN-075	3/4"	200	1,70
MI-583.G	LN-100	1"	50	1,80
MI-584.G	LN-125	1 1/4"	50	2,10
MI-585.G	LN-150	1 1/2"	50	2,40
MI-586.G	LN-200	2"	25	1,50
MI-587.G	LN-250	2 1/2"	10	1,20
MI-588.G	LN-300	3"	10	1,40
MI-589.G	LN-400	4"	10	2,10

LOCK NUT (GAS THREAD) / ZAMAK

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Zamak (Zinc die-cast).
- Has a serrated surface.
- Used to fasten threaded connectors.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MI-581.T	ZLN-050	1/2"	200	1,10
MI-582.T	ZLN-075	3/4"	200	1,70
MI-583.T	ZLN-100	1"	50	1,80
MI-584.T	ZLN-125	1 1/4"	50	2,10
MI-585.T	ZLN-150	1 1/2"	50	2,40
MI-586.T	ZLN-200	2"	25	1,50

STEEL FISH TAPE CASE

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Flat Steel.
- Characterized by high resistance.
- Automatic winding system.
- Available in yellow and blue colors.

MSM Code	Stock Code	Size WxT (mm)	Length (mt.)
MG-741	FWT-15	3,0x1,3	15
MG-742	FWT-30	3,0x1,3	30
MG-743	FWT-45	3,0x1,3	45
MG-744	FWT-60	3,0x1,3	60

SERRATED STAINLESS WASHER

DIN PG EAC CE



- Certified by DIN 6798J, GOST-R, EAC and CE.
- Made of stainless steel (316L).
- Has a serrated surface.
- Used to fasten threaded connectors to vibrating equipment.

MSM Code	Stock Code	Size	Quantity per Package (pcs)	Package Weight (kg)
TR-M1	CSW-16	M16	250	1,50
TR-M2	CSW-20	M20	200	1,80
TR-M3	CSW-25	M25	100	1,20
TR-M4	CSW-32	M32	100	1,50
TR-M5	CSW-40	M40	100	2,40
TR-M6	CSW-50	M50	50	0,80
TR-M7	CSW-63	M63	50	1,10
TR-M8	CSW-75	M75	50	3,00
TR-M9	CSW-80	M80	50	3,30
TR-M10	CSW-100	M100	50	5,00

IMC BORU ENTÜLÜ / ŞEFFAF (SONLANDIRICI)

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Polyethylene.
- Fits tightly over threaded conduit.
- Used in IMC / RSC type conduits ending systems.

MSM Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MI-591	1/2"	100	0,10
MI-592	3/4"	100	0,20
MI-593	1"	100	0,40
MI-594	1 1/4"	50	0,40
MI-595	1 1/2"	50	0,50
MI-596	2"	25	0,40

IMC CONDUIT BENDER

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Cast Iron.
- The handle is made of a thick-walled threaded conduit.
- Used to bend IMC and EMT conduits.

MSM Code	Stock Code	IMC Conduit Size	EMT Conduit Size
MI-601	SCB-050	-	1/2"
MI-602	SCB-075	1/2"	3/4"
MI-603	SCB-100	3/4"	1"
MI-604	SCB-125	1"	1 1/4"

21 RSC TYPE THREADED GALVANIZED STEEL CONDUITS (HEAVY-DUTY TYPE)

RSC GALVANIZED STEEL THREADED RIGID CONDUITS / HOT-DIP GALVANIZED COATING



- Certified by UL 6, ANSI C80.1, GOST-R, EAC and CE.
- Burr-free electrical installation conduits.
- Hot-dip galvanized coating characterized.
- $\pm 5\%$ tolerance of all below mentioned physical characteristics.
- Standard product length **3.00 m**, has a coupling on one end.
- Especially used in construction of heavy industry facilities (steel and concrete plants), refineries, power plants, facilities with explosion-proof installations. Suitable for underground, outdoor and indoor use.

MSM Code	Stock Code	Thread Size	Nominal Diameter (ID x OD, mm)	Nominal Wall Thickness (mm)	Weight (m/kg)	Weight (length/kg)	Quantity per Bundle (pcs)	Bundle Weight (bundle/kg)
RSC-301	RGD-050	1/2"	16,02 x 21,30	2,64	1,10	3,42	10	34,20
RSC-302	RGD-075	3/4"	21,26 x 26,70	2,72	1,40	4,35	10	43,50
RSC-303	RGD-100	1"	27,00 x 33,40	3,20	2,20	6,66	5	33,30
RSC-304	RGD-125	1-1/4"	35,44 x 42,20	3,38	3,10	9,32	5	46,60
RSC-305	RGD-150	1-1/2"	41,28 x 48,30	3,51	3,60	10,76	5	53,80
RSC-306	RGD-200	2"	52,88 x 60,30	3,71	4,90	14,63	3	43,89
RSC-307	RGD-250	2-1/2"	63,20 x 73,00	4,90	7,60	22,80	3	68,40
RSC-308	RGD-300	3"	78,48 x 88,90	5,21	9,80	29,43	2	58,86
RSC-309	RGD-400	4"	102,86 x 114,30	5,72	14,10	42,24	2	84,48
RSC-310	RGD-500	5"	128,86 x 141,30	6,22	19,00	57,11	1	57,11
RSC-311	RGD-600	6"	154,78 x 168,30	6,76	24,90	74,79	1	74,79

RSC GALVANIZED STEEL THREADED RIGID CONDUITS / HOT-DIP GALVANIZED

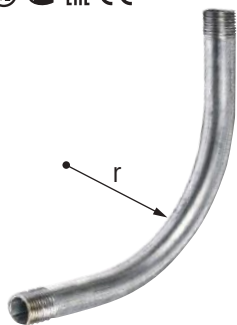


- Certified by UL 6 and ANSI C80.1, GOST-R, EAC and CE.
- Burr-free electrical installation conduits.
- Hot-dip galvanized coating characterized.
- $\pm 5\%$ tolerance of all below mentioned physical characteristics.
- Standard product length **3.05 m**, has a coupling on one end.
- Especially used in construction of heavy industry facilities (steel and concrete plants), refineries, power plants, facilities with explosion-proof installations. Suitable for underground, outdoor and indoor use.

MSM Code	Stock Code	Thread Size	Nominal Diameter (ID x OD, mm)	Nominal Wall Thickness (mm)	Weight (m/kg)	Weight (length/kg)	Quantity per Bundle (pcs)	Bundle Weight (bundle/kg)
RSC-301.H	C-R00050	1/2"	16,06 x 21,34	2,64	1,17	3,58	10	35,80
RSC-302.H	C-R00075	3/4"	21,23 x 26,67	2,72	1,56	4,76	8	38,08
RSC-303.H	C-R00100	1"	27,00 x 33,40	3,20	2,28	6,94	5	34,70
RSC-304.H	C-R00125	1 1/4"	35,40 x 42,16	3,38	2,99	9,12	3	27,36
RSC-305.H	C-R00150	1 1/2"	41,24 x 48,26	3,51	3,70	11,29	3	33,87
RSC-306.H	C-R00200	2"	52,91 x 60,33	3,71	4,94	15,06	3	45,18
RSC-307.H	C-R00250	2 1/2"	63,23 x 73,03	4,90	7,84	23,90	2	47,80
RSC-308.H	C-R00300	3"	78,48 x 88,90	5,21	10,15	30,96	2	61,92
RSC-309.H	C-R00400	4"	102,86 x 114,30	5,72	14,46	44,10	1	44,10
RSC-310.H	C-R00500	5"	128,90 x 141,30	6,20	19,54	59,59	1	59,59
RSC-311.H	C-R00600	6"	154,76 x 168,26	6,75	25,96	79,17	1	79,17

90° - THREADED ELBOW

UL PG EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Hot-dip galvanized coating.
- Used for 90° turns in RSC conduits.
- Bending radius are in accordance with UL standards.
- Special radius manufacturing can be done upon request.

MSM Code	Stock Code	Thread Size	Bending Radius (r - mm)	Quantity per Package (pcs)
MR-541.H	8344	1/2"	120	50
MR-542.H	8345	3/4"	140	50
MR-543.H	8346	1"	180	25
MR-544.H	8347	1 1/4"	230	20
MR-545.H	8348	1 1/2"	240	15
MR-546.H	8349	2"	260	10
MR-547.H	8350	2 1/2"	440	4
MR-548.H	8351	3"	470	2
MR-549.H	8353	4"	620	1
MR-550.H	8354	5"	650	1
MR-550.1.H	8355	6"	820	1

45° - THREADED ELBOW

PG EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Hot-dip galvanized coating.
- Used for 45° turns in RSC conduits.
- Bending radius are in accordance with UL standards.
- Special radius manufacturing can be done upon request.

MSM Code	Stock Code	Thread Size	Bending Radius (r - mm)	Quantity per Package (pcs)
MR-551.H	8356	1/2"	120	50
MR-552.H	8357	3/4"	140	50
MR-553.H	8358	1"	180	25
MR-554.H	8359	1 1/4"	230	20
MR-555.H	8360	1 1/2"	240	15
MR-556.H	8361	2"	260	10
MR-557.H	8362	2 1/2"	440	4
MR-558.H	8363	3"	470	2
MR-559.H	8365	4"	620	1
MR-560.H	8366	5"	650	1
MR-560.1.H	8367	6"	820	1

THREADED CONDUIT COUPLING / ELECTRO-GALVANIZED COATED

UL PG EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Used to connect RSC / IMC threaded conduits.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MR-511	0324	1/2"	300	15,0
MR-512	0325	3/4"	200	17,0
MR-513	0326	1"	120	15,6
MR-514	0327	1 1/4"	80	14,8
MR-515	0328	1 1/2"	80	17,2
MR-516	0329	2"	60	20,4
MR-517	0330	2 1/2"	18	10,8
MR-518	0331	3"	12	15,6
MR-519	0333	4"	8	10,4
MR-520	0334	5"	6	11,1
MR-521	0335	6"	4	11,8

THREADED CONDUIT COUPLING / HOT DIP GALVANIZED COATED

UL PG EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Hot-dip galvanized coating.
- Used to connect RSC / IMC threaded conduits.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MR-511.H	0324	1/2"	300	15,0
MR-512.H	0325	3/4"	200	17,0
MR-513.H	0326	1"	120	15,6
MR-514.H	0327	1 1/4"	80	14,8
MR-515.H	0328	1 1/2"	80	17,2
MR-516.H	0329	2"	60	20,4
MR-517.H	0330	2 1/2"	18	10,8
MR-518.H	0331	3"	12	15,6
MR-519.H	0333	4"	8	10,4
MR-520.H	0334	5"	6	11,1
MR-521.H	0335	6"	4	11,8

RSC THREADED PVC COATED STEEL CONDUIT / HOT-DIP GALVANIZED COATING

UL ANSI ENE CEE



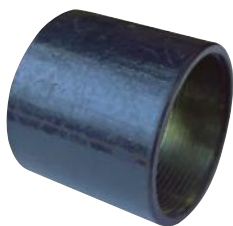
- Certified by UL 6, ANSI C80.1, NEMA, GOST-R, EAC and CE.
- Burr-free electrical installation conduits.
- Coated with **RAL 7016 PVC** over hot-dip galvanized coating.
- Coating can be done in any desired **RAL** color and micron level.
- Corrosion resistant coating is applied to the threads on the conduit end.
- ±5% tolerance of all below mentioned physical characteristics.
- Standard product length **3.05 m**, has a coupling on one end.
- Especially used in heavy industrial facilities by the sea, refineries, power plants, facilities where ex-proof installations are foreseen and in highly corrosive environments.

MSM Code	Stock Code	Thread Size	Nominal Diameter (IDxOD - mm)	Nominal Wall Thickness (mm)	Nominal Wall Thick. with PVC (mm)	Weight (length/kg)	Quantity per Bundle (pcs)	Bundle Weight (bundle/kg)
PC-RSC-401	CTD-R050	1/2"	16,06 x 23,34	2,64	3,64	3,82	10	38,20
PC-RSC-402	CTD-R075	3/4"	21,23 x 28,67	2,72	3,72	5,16	10	51,60
PC-RSC-403	CTD-R100	1"	27,00 x 35,40	3,20	4,20	7,54	8	60,32
PC-RSC-404	CTD-R125	1 1/4"	35,40 x 44,16	3,38	4,38	9,70	5	48,50
PC-RSC-405	CTD-R150	1 1/2"	41,24 x 50,26	3,51	4,51	11,79	3	35,37
PC-RSC-406	CTD-R200	2"	52,91 x 62,33	3,71	4,71	15,66	3	46,98
PC-RSC-407	CTD-R250	2 1/2"	63,23 x 75,03	4,90	5,90	24,70	3	74,10
PC-RSC-408	CTD-R300	3"	78,48 x 90,90	5,21	6,21	31,66	2	63,32
PC-RSC-409	CTD-R400	4"	102,86 x 116,30	5,72	6,72	44,90	1	44,90

NOTE: Upon request, EMT and IMC type conduits and access. can be PVC coated in the requested RAL color and micron level.

PVC COATED METAL COUPLING

ENE CEE



MSM Code	Thread Size	Material
PC-MR-511	1/2"	Galv. Steel + PVC Coat.
PC-MR-512	3/4"	Galv. Steel + PVC Coat.
PC-MR-513	1"	Galv. Steel + PVC Coat.
PC-MR-514	1 1/4"	Galv. Steel + PVC Coat.
PC-MR-515	1 1/2"	Galv. Steel + PVC Coat.
PC-MR-516	2"	Galv. Steel + PVC Coat.
PC-MR-517	2 1/2"	Galv. Steel + PVC Coat.
PC-MR-518	3"	Galv. Steel + PVC Coat.
PC-MR-519	4"	Galv. Steel + PVC Coat.

PVC COATED 90° METAL ELBOW

ENE CEE



MSM Code	Thread Size	Material
PC-MR-541	1/2"	Galv. Steel + PVC Coat.
PC-MR-542	3/4"	Galv. Steel + PVC Coat.
PC-MR-543	1"	Galv. Steel + PVC Coat.
PC-MR-544	1 1/4"	Galv. Steel + PVC Coat.
PC-MR-545	1 1/2"	Galv. Steel + PVC Coat.
PC-MR-546	2"	Galv. Steel + PVC Coat.
PC-MR-547	2 1/2"	Galv. Steel + PVC Coat.
PC-MR-548	3"	Galv. Steel + PVC Coat.
PC-MR-549	4"	Galv. Steel + PVC Coat.

PVC COATED ERICKSON COUPLING – 3 PIECES (UNION)

ENE CEE



MSM Code	Thread Size	Material
PC-MI-551	1/2"	Galv. Steel + PVC Coat.
PC-MI-552	3/4"	Galv. Steel + PVC Coat.
PC-MI-553	1"	Galv. Steel + PVC Coat.
PC-MI-554	1 1/4"	Galv. Steel + PVC Coat.
PC-MI-555	1 1/2"	Galv. Steel + PVC Coat.
PC-MI-556	2"	Galv. Steel + PVC Coat.
PC-MI-557	2 1/2"	Galv. Steel + PVC Coat.
PC-MI-558	3"	Galv. Steel + PVC Coat.
PC-MI-559	4"	Galv. Steel + PVC Coat.

PVC COATED MALE TYPE CONNECTOR (HUB)

ENE CEE



MSM Code	Thread Size	Material
PC-MI-501	1/2"	Galv. Steel + PVC Coat.
PC-MI-502	3/4"	Galv. Steel + PVC Coat.
PC-MI-503	1"	Galv. Steel + PVC Coat.
PC-MI-504	1 1/4"	Galv. Steel + PVC Coat.
PC-MI-505	1 1/2"	Galv. Steel + PVC Coat.
PC-MI-506	2"	Galv. Steel + PVC Coat.
PC-MI-507	2 1/2"	Galv. Steel + PVC Coat.
PC-MI-508	3"	Galv. Steel + PVC Coat.
PC-MI-509	4"	Galv. Steel + PVC Coat.

PVC COATED CONDUIT HANGER

PG ENE CE



MSM Code	Size	Material
PC-MI-701	1/2"	Galv. Steel + PVC Coat.
PC-MI-702	3/4"	Galv. Steel + PVC Coat.
PC-MI-703	1"	Galv. Steel + PVC Coat.
PC-MI-704	1 1/4"	Galv. Steel + PVC Coat.
PC-MI-705	1 1/2"	Galv. Steel + PVC Coat.
PC-MI-706	2"	Galv. Steel + PVC Coat.
PC-MI-707	2 1/2"	Galv. Steel + PVC Coat.
PC-MI-708	3"	Galv. Steel + PVC Coat.
PC-MI-709	4"	Galv. Steel + PVC Coat.

PVC COATED RAIL TYPE CLAMP

PG ENE CE



MSM Code	Size	Material
PC-MI-711	1/2"	Galv. Steel + PVC Coat.
PC-MI-712	3/4"	Galv. Steel + PVC Coat.
PC-MI-713	1"	Galv. Steel + PVC Coat.
PC-MI-714	1 1/4"	Galv. Steel + PVC Coat.
PC-MI-715	1 1/2"	Galv. Steel + PVC Coat.
PC-MI-716	2"	Galv. Steel + PVC Coat.
PC-MI-717	2 1/2"	Galv. Steel + PVC Coat.
PC-MI-718	3"	Galv. Steel + PVC Coat.
PC-MI-719	4"	Galv. Steel + PVC Coat.

PVC COATED TWO HOLE METAL CLAMP

PG ENE CE



MSM Code	Size	Material
PC-MI-521	1/2"	Galv. Steel + PVC Coat.
PC-MI-522	3/4"	Galv. Steel + PVC Coat.
PC-MI-523	1"	Galv. Steel + PVC Coat.
PC-MI-524	1 1/4"	Galv. Steel + PVC Coat.
PC-MI-525	1 1/2"	Galv. Steel + PVC Coat.
PC-MI-526	2"	Galv. Steel + PVC Coat.
PC-MI-527	2 1/2"	Galv. Steel + PVC Coat.
PC-MI-528	3"	Galv. Steel + PVC Coat.
PC-MI-529	4"	Galv. Steel + PVC Coat.

PVC COATED ONE HOLE STEEL CLAMP

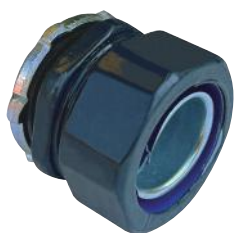
PG ENE CE



MSM Code	Size	Material
PC-MI-531	1/2"	Galv. Steel + PVC Coat.
PC-MI-532	3/4"	Galv. Steel + PVC Coat.
PC-MI-533	1"	Galv. Steel + PVC Coat.
PC-MI-534	1 1/4"	Galv. Steel + PVC Coat.
PC-MI-535	1 1/2"	Galv. Steel + PVC Coat.
PC-MI-536	2"	Galv. Steel + PVC Coat.
PC-MI-537	2 1/2"	Galv. Steel + PVC Coat.
PC-MI-538	3"	Galv. Steel + PVC Coat.
PC-MI-539	4"	Galv. Steel + PVC Coat.

PVC COATED NPT THREAD MALE TYPE CONNECTOR / ZAMAK

PG ENE CE



MSM Code	NPT Thread Size	Material
PC-GMR-G2	1/2"	Zamak + PVC Coat.
PC-GMR-G3	3/4"	Zamak + PVC Coat.
PC-GMR-G4	1"	Zamak + PVC Coat.
PC-GMR-G5	1 1/4"	Zamak + PVC Coat.
PC-GMR-G6	1 1/2"	Zamak + PVC Coat.
PC-GMR-G7	2"	Zamak + PVC Coat.
PC-GMR-G8	2 1/2"	Zamak + PVC Coat.
PC-GMR-G9	3"	Zamak + PVC Coat.
PC-GMR-G10	4"	Zamak + PVC Coat.

PVC COATED GROUNDING- INSULATED METAL BUSHING

PG ENE CE



MSM Code	Thread Size	Material
PC-MI-731	1/2"	Cast Iron + PVC Coat.
PC-MI-732	3/4"	Cast Iron + PVC Coat.
PC-MI-733	1"	Cast Iron + PVC Coat.
PC-MI-734	1 1/4"	Cast Iron + PVC Coat.
PC-MI-735	1 1/2"	Cast Iron + PVC Coat.
PC-MI-736	2"	Cast Iron + PVC Coat.
PC-MI-737	2 1/2"	Cast Iron + PVC Coat.
PC-MI-738	3"	Cast Iron + PVC Coat.
PC-MI-739	4"	Cast Iron + PVC Coat.

PVC COATED METAL JUNCTION BOXES FOR INDOOR USE

PG ENE CE



MSM Code	Side Knockouts Number x Size	Material
PC-MG-751.1	4 x 1/2"	Galv. Steel + PVC Coat.
PC-MG-751.2	4 x 3/4"	Galv. Steel + PVC Coat.
PC-MG-751.3	2 x 1/2" + 2 x 3/4"	Galv. Steel + PVC Coat.
PC-MG-752.1	12 x 1/2"	Galv. Steel + PVC Coat.
PC-MG-752.2	8 x 3/4"	Galv. Steel + PVC Coat.
PC-MG-752.3	8 x 1/2" + 4 x 3/4"	Galv. Steel + PVC Coat.
PC-MG-753.1	12 x 1/2"	Galv. Steel + PVC Coat.
PC-MG-753.2	8 x 3/4"	Galv. Steel + PVC Coat.
PC-MG-753.3	8 x 1/2" + 4 x 3/4"	Galv. Steel + PVC Coat.

PVC COATED CAST IRON JUNCTION BOXES - GS-... TYPES

PG ENE CE



Code (No Fix. Elem.)	Thread Size	Material
PC-GSC-110	1/2"	Sfero Döküm + PVC Kap.
PC-GSC-210	3/4"	Sfero Döküm + PVC Kap.
PC-GSC-310	1"	Sfero Döküm + PVC Kap.
PC-GST-110	1/2"	Sfero Döküm + PVC Kap.
PC-GST-210	3/4"	Sfero Döküm + PVC Kap.
PC-GST-310	1"	Sfero Döküm + PVC Kap.
PC-GSX-110	1/2"	Sfero Döküm + PVC Kap.
PC-GSX-210	3/4"	Sfero Döküm + PVC Kap.
PC-GSX-310	1"	Sfero Döküm + PVC Kap.

NOTE: All accessories are RAL 7016 PVC coated as standard and can also be coated in any RAL color.
Upon request, all other accessories (except nipples) can also be manufactured with PVC coating.

CONDULET TYPE "C"

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Cast Aluminum.
- **RAL 7042**, electrostatic painted.
- Has a steel sheet cover, sealed.
- Used for cable pulling and conduit direction in EMT/IMC/RSC type conduits.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MLC-201	C-050	1/2"	10	1,2
MLC-202	C-075	3/4"	10	1,6
MLC-203	C-100	1"	6	1,3
MLC-204	C-125	1 1/4"	2	0,9
MLC-205	C-150	1 1/2"	2	1,0
MLC-206	C-200	2"	2	1,2
MLC-207	C-250	2 1/2"	1	2,0
MLC-208	C-300	3"	1	3,0
MLC-209	C-400	4"	1	4,0

CONDULET TYPE "LB"

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Cast Aluminum.
- **RAL 7042**, electrostatic painted.
- Has a steel sheet cover, sealed.
- Used for cable pulling and conduit direction in EMT/IMC/RSC type conduits.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MLB-201	LB-050	1/2"	100	1,3
MLB-202	LB-075	3/4"	60	1,7
MLB-203	LB-100	1"	36	1,4
MLB-204	LB-125	1 1/4"	10	1,0
MLB-205	LB-150	1 1/2"	10	1,1
MLB-206	LB-200	2"	10	1,2
MLB-207	LB-250	2 1/2"	1	2,0
MLB-208	LB-300	3"	1	3,0
MLB-209	LB-400	4"	1	4,0

CONDULET TYPE "LL"

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Cast Aluminum.
- **RAL 7042**, electrostatic painted.
- Has a steel sheet cover, sealed.
- Used for cable pulling and conduit direction in EMT/IMC/RSC type conduits.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MLL-201	LL-050	1/2"	10	1,3
MLL-202	LL-075	3/4"	10	1,7
MLL-203	LL-100	1"	6	1,4
MLL-204	LL-125	1 1/4"	2	1,0
MLL-205	LL-150	1 1/2"	2	1,1
MLL-206	LL-200	2"	2	1,2
MLL-207	LL-250	2 1/2"	1	2,0
MLL-208	LL-300	3"	1	3,0
MLL-209	LL-400	4"	1	4,0

CONDULET TYPE "LR"

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Cast Aluminum.
- **RAL 7042**, electrostatic painted.
- Has a steel sheet cover, sealed.
- Used for cable pulling and conduit direction in EMT/IMC/RSC type conduits.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MLR-201	LR-050	1/2"	10	1,3
MLR-202	LR-075	3/4"	10	1,7
MLR-203	LR-100	1"	6	1,4
MLR-204	LR-125	1 1/4"	2	1,0
MLR-205	LR-150	1 1/2"	2	1,1
MLR-206	LR-200	2"	2	1,2
MLR-207	LR-250	2 1/2"	1	2,0
MLR-208	LR-300	3"	1	3,0
MLR-209	LR-400	4"	1	4,0

CONDULET TYPE "T"

UL EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Cast Aluminum.
- **RAL 7042**, electrostatic painted.
- Has a steel sheet cover, sealed.
- Used for cable pulling and conduit direction in EMT/IMC/RSC type conduits.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MLT-201	T-050	1/2"	10	1,3
MLT-202	T-075	3/4"	10	1,8
MLT-203	T-100	1"	6	1,5
MLT-204	T-125	1 1/4"	2	1,0
MLT-205	T-150	1 1/2"	2	1,2
MLT-206	T-200	2"	2	1,4
MLT-207	T-250	2 1/2"	1	2,2
MLT-208	T-300	3"	1	3,3
MLT-209	T-400	4"	1	4,4

CONDULET TYPE "X"

EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Cast Aluminum.
- **RAL 7042**, electrostatic painted.
- Has a steel sheet cover, sealed.
- Used for cable pulling and conduit direction in EMT/IMC/RSC type conduits.

MSM Code	Thread Size	Quantity per Package (pcs)	Package Weight (kg)
MLX-201	1/2"	10	1,5
MLX-202	3/4"	10	2,0
MLX-203	1"	6	1,8
MLX-204	1 1/4"	2	1,3
MLX-205	1 1/2"	2	1,4
MLX-206	2"	2	1,6
MLX-207	2 1/2"	1	2,6
MLX-208	3"	1	3,8
MLX-209	4"	1	5,0

GALVANIZED METAL REDUCER

EAC CE

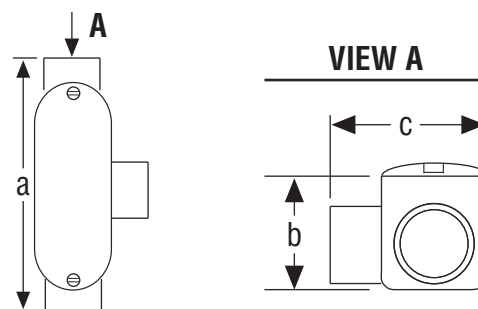


- Certified by GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Used to different gas thread sizes, for reducing or increasing the size.

*

MSM Code	Stock Code	Thread Sizes	Quantity per Package (pcs)	Package Weight (kg)
RB-2	RB-075050	3/4" x 1/2"	500	8,80
RB-3	RB-100050	1" x 1/2"	300	16,35
RB-4	RB-100075	1" x 3/4"	300	10,00
RB-5	RB-125050	1-1/4" x 1/2"	150	17,00
RB-6	RB-125075	1-1/4" x 3/4"	150	14,40
RB-7	RB-125100	1-1/4" x 1"	150	10,00
RB-8	RB-150050	1-1/2" x 1/2"	100	18,90
RB-9	RB-150075	1-1/2" x 3/4"	100	15,30
RB-10	RB-150100	1-1/2" x 1"	100	11,20
RB-11	RB-150125	1-1/2" x 1-1/4"	100	5,00
RB-12	RB-200050	2" x 1/2"	50	18,00
RB-13	RB-200075	2" x 3/4"	50	17,00
RB-14	RB-200100	2" x 1"	50	14,50
RB-15	RB-200125	2" x 1-1/4"	50	10,00
RB-16	RB-200150	2" x 1-1/2"	50	7,20

DIMENSIONS (T TYPE)



Thread Size	a (cm)	b (cm)	c (cm)
1/2"	11,90	3,49	5,16
3/4"	13,97	4,13	5,87
1"	16,35	4,76	6,82
1 1/4"	21,27	6,35	8,89
1 1/2"	21,27	6,35	8,89
2"	26,82	8,57	10,87
2 1/2"	34,29	10,16	14,92
3"	34,29	11,43	14,92
4"	41,43	14,29	19,44

NOTE: All above-mentioned dimensions have to be considered with $\pm 5\%$ tolerance.

* In RB type reductions, the smaller size is female and the larger size is male. For different sizes, see P.37.

ROUND TYPE JUNCTION BOX – FIVE OUTLETS

IP66

UL ENEC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Cast Aluminum.
- RAL 7042, electrostatic painted.
- Sealed cover also available.
- Comes with a grounding screw.
- Used in installation over plaster for cable connection.

MSM Code	Stock Code	Total Knockout Number x Size	Dimensions Ø x D (cm)
MG-859.1	RB50-5	5 x 1/2"	Ø10,6 x 4,2
MG-859.2	RB75-5	5 x 3/4"	Ø10,6 x 4,2

EXTENSION RING FOR SINGLE JUNCTION BOX

ENEC CE



- Certified by GOST-R, EAC and CE.
- Made of Cast Aluminum.
- Used with one gang outdoor type aluminum boxes, to increase the depth of junction boxes.

MSM Code	Stock Code	Total Knockout Number x Size	Dimensions Ø x D (cm)
MG-867.1	EXR-1	Deliksiz	7,2 x 11,8 x 3,5
MG-867.2	EXB50-4	4 x 1/2"	7,2 x 11,8 x 3,5
MG-867.3	EXB75-6	6 x 3/4"	7,2 x 11,8 x 3,5

EXTENSION RING FOR ROUND JUNCTION BOX

ENEC CE



- Certified by GOST-R, EAC and CE.
- Made of Cast Aluminum.
- Used with round outdoor type aluminum boxes, to increase the depth of junction boxes.

MSM Code	Stock Code	Total Knockout Number x Size	Dimensions Ø x D (cm)
MG-869.1	EXR50-4	4 x 1/2"	Ø10,2 x 4,0
MG-869.2	EXR75-4	4 x 3/4"	Ø10,2 x 4,0

COVER FOR JUNCTION BOX

ENEC CE



- Certified by GOST-R, EAC and CE.
- Made of Aluminum Sheet.
- Inner surface made of rubber.
- Used with outdoor type aluminum boxes.

MSM Code	Stock Code	Box Type	Dimensions Ø x D (cm)
MG-870	1BC	Single	7,2 x 11,8
MG-871	2BC	Double	11,8 x 11,8
MG-872	3BC	Triple	16,4 x 11,8

DOUBLE JUNCTION BOX - NINE OUTLETS

IP66

ENEC CE



- Certified by GOST-R, EAC and CE.
- Made of Cast Aluminum.
- RAL 7042, electrostatic painted.
- Sealed cover also available.
- Comes with a grounding screw.
- Used in installation over plaster for cable connection.

MSM Code	Stock Code	Total Knockout Number x Size	Dimensions Ø x D (cm)
MG-866.1	2G50-9	9 x 1/2"	11,8 x 11,8 x 5,5
MG-866.2	2G75-9	9 x 3/4"	11,8 x 11,8 x 5,5

EXTENSION RING FOR DOUBLE JUNCTION BOX

ENEC CE



- Certified by GOST-R, EAC and CE.
- Made of Cast Aluminum.
- Used with two-gang outdoor type aluminum boxes, to increase the depth of junction boxes.

MSM Code	Stock Code	Total Knockout Number x Size	Dimensions Ø x D (cm)
MG-868.1	EXR-2	Deliksiz	11,8 x 11,8 x 3,5
MG-868.2	2EXB50-6	6 x 1/2"	11,8 x 11,8 x 3,5
MG-868.3	2EXB75-8	8 x 3/4"	11,8 x 11,8 x 3,5

COVER FOR ROUND JUNCTION BOX

ENEC CE



- Certified by GOST-R, EAC and CE.
- Made of Cast Aluminum.
- Inner surface made of rubber.
- Used with round outdoor type aluminum boxes.

MSM Code	Stock Code	Diameter (cm)	Quantity per Package (pcs)
MG-860	RBC-4	Ø10,8	100

THREADED METAL BLIND PLUG

ENEC CE



- Certified by GOST-R, EAC and CE.
- Made of Cast Aluminum.
- Used to cover knockouts of outdoor aluminum boxes.

MSM Code	Stock Code	Thread Size	Quantity per Package (pcs)
MG-880	PL-050	1/2"	100
MG-881	PL-075	3/4"	50
MG-882	PL-100	1"	50

SINGLE JUNCTION BOX – THREE OUTLETS

IP66

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Cast Aluminum.
- RAL 7042, electrostatic painted.
- Sealed cover also available.
- Comes with a grounding screw.
- Used in installation over plaster for cable connection.

MSM Code	Stock Code	Total Knockout Number x Size	Dimensions WxHxD (cm)
MG-851.1 (UL)	1G50-3	3 x 1/2"	7,2 x 11,8 x 5,1
MG-851.2 (UL)	1G75-3	3 x 3/4"	7,2 x 11,8 x 5,1
MG-851.3 (Non UL)	1G100-3	3 x 1"	7,2 x 11,8 x 6,6

SINGLE JUNCTION BOX – FOUR OUTLETS

IP66

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Cast Aluminum.
- RAL 7042, electrostatic painted.
- Sealed cover also available.
- Comes with a grounding screw.
- Used in installation over plaster for cable connection.

MSM Code	Stock Code	Total Knockout Number x Size	Dimensions WxHxD (cm)
MG-853.1 (UL)	1G50-4	4 x 1/2"	7,2 x 11,8 x 5,1
MG-853.2 (UL)	1G75-4	4 x 3/4"	7,2 x 11,8 x 5,1
MG-853.3 (Non UL)	1DG75-4	4 x 3/4"	7,2 x 11,8 x 6,6

SINGLE JUNCTION BOX – FIVE OUTLETS

IP66

UL ENEC EAC CE



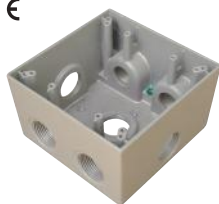
- Certified by UL, GOST-R, EAC and CE.
- Made of Cast Aluminum.
- RAL 7042, electrostatic painted.
- Sealed cover also available.
- Comes with a grounding screw.
- Used in installation over plaster for cable connection.

MSM Code	Stock Code	Total Knockout Number x Size	Dimensions WxHxD (cm)
MG-855.1	1G50-5X	5 x 1/2"	7,2 x 11,8 x 5,1
MG-855.2	1G75-5X	5 x 3/4"	7,2 x 11,8 x 5,1
MG-855.3	1DG100-5X	5 x 1"	7,2 x 11,8 x 6,6

DOUBLE JUNCTION BOX – SEVEN OUTLETS

IP66

ENEC EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Cast Aluminum.
- RAL 7042, electrostatic painted.
- Sealed cover also available.
- Comes with a grounding screw.
- Used in installation over plaster for cable connection.

MSM Code	Stock Code	Total Knockout Number x Size	Dimensions WxHxD (cm)
MG-857.1	2G50-7X	7 x 1/2"	11,8 x 11,8 x 5,5
MG-857.2	2G75-7X	7 x 3/4"	11,8 x 11,8 x 5,5
MG-857.3	2DG100-7X	7 x 1"	11,8 x 11,8 x 6,6

DOUBLE JUNCTION BOX - THREE OUTLETS

IP66

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Cast Aluminum.
- RAL 7042, electrostatic painted.
- Sealed cover also available.
- Comes with a grounding screw.
- Used in installation over plaster for cable connection.

MSM Code	Stock Code	Total Knockout Number x Size	Dimensions WxHxD (cm)
MG-861.1 (UL)	2G50-3	3 x 1/2"	11,8 x 11,8 x 5,5
MG-861.2 (UL)	2G75-3	3 x 3/4"	11,8 x 11,8 x 5,5
MG-861.3 (Non UL)	2G100-3	3 x 1"	11,8 x 11,8 x 5,5

DOUBLE JUNCTION BOX – FOUR OUTLETS

IP66

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Cast Aluminum.
- RAL 7042, electrostatic painted.
- Sealed cover also available.
- Comes with a grounding screw.
- Used in installation over plaster for cable connection.

MSM Code	Stock Code	Total Knockout Number x Size	Dimensions WxHxD (cm)
MG-862.1 (UL)	2G50-4	4 x 1/2"	11,8 x 11,8 x 5,5
MG-862.2 (UL)	2G75-4	4 x 3/4"	11,8 x 11,8 x 5,5
MG-862.3 (Non UL)	2G100-4	4 x 1"	11,8 x 11,8 x 5,5

DOUBLE JUNCTION BOX – FIVE OUTLETS

IP66

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Cast Aluminum.
- RAL 7042, electrostatic painted.
- Sealed cover also available.
- Comes with a grounding screw.
- Used in installation over plaster for cable connection.

MSM Code	Stock Code	Total Knockout Number x Size	Dimensions WxHxD (cm)
MG-863.1 (UL)	2G50-5	5 x 1/2"	11,8 x 11,8 x 5,5
MG-863.2 (UL)	2G75-5	5 x 3/4"	11,8 x 11,8 x 5,5
MG-863.3 (Non UL)	2DG100-5	5 x 1"	11,8 x 11,8 x 6,6

TRIPLE JUNCTION BOX – SEVEN OUTLETS

IP66

ENEC EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Cast Aluminum.
- RAL 7042, electrostatic painted.
- Sealed cover also available.
- Comes with a grounding screw.
- Used in installation over plaster for cable connection.

MSM Code	Stock Code	Total Knockout Number x Size	Dimensions WxHxD (cm)
MG-864.1	3G50-7	7 x 1/2"	16,2 x 11,4 x 6,6
MG-864.2	3G75-7	7 x 3/4"	16,2 x 11,4 x 6,6
MG-864.3	3G100-7	7 x 1"	16,2 x 11,4 x 6,6

BRITISH STANDARD THREADED GALVANIZED STEEL CONDUIT



- Certified by BS 4568/ BS 729 and Class 4.
- Coating standard is BS EN 61386-1,2.
- All BS conduits and accessories are **CE** and **EAC** certified.
- Burr-free, threaded electrical installation conduit and its inner and outer surfaces are hot dip galvanized.
- Standard product length **3.75 m**. One end fitted with coupling and the other protected by plastic end cap.
- Especially used in industrial facilities, business & shopping centers and social facilities, indoor/ outdoor environments.

MSM Code	Stock Code	Thread Size	Nominal Diameter (ID x OD, mm)	Nominal Wall Thickness (mm)	Weight (m/kg)
MB-Ø20	C-BS4175	M20	16,60 x 19,80	1,60	0,72
MB-Ø25	C-BS4110	M25	21,60 x 24,80	1,60	0,90
MB-Ø32	C-BS4112	M32	28,60 x 31,80	1,60	1,18

90° - NORMAL BEND

IP66



- Certified by BS EN 61386-1,2.
- Coated with hot-dip galvanized over steel.
- Internally threaded and used in the turns of BS type conduits.

MSM Code	Stock Code	Thread Size
MB-101	B-EL0420	M20
MB-102	B-EL0425	M25
MB-103	B-EL0432	M32

90° - INSPECTION BEND



- Certified by BS EN 50086- 1,2.
- Hot-dip galvanized coated on malleable iron.
- Internally threaded and used in the turns of BS Type conduits for cable pulling.

MSM Code	Stock Code	Thread Size
MB-121	B-EL0220	M20
MB-122	B-EL0225	M25
MB-123	B-EL0232	M32

90° - INSPECTION ELBOW



- Certified by BS EN 61386-1,2.
- Hot-dip galvanized coated on malleable iron.
- Internally threaded and used for cable pulling in BS type conduit turns.

MSM Code	Stock Code	Thread Size
MB-111	B-EL0120	M20
MB-112	B-EL0125	M25
MB-113	B-EL0132	M32

INSPECTION TEE



- Certified by BS EN 61386-1,2.
- Hot-dip galvanized coated on malleable iron.
- Internally threaded and used for cable pulling & distribution in BS type conduits.

MSM Code	Stock Code	Thread Size
MB-131	B-EL0320	M20
MB-132	B-EL0325	M25
MB-133	B-EL0332	M32

NORMAL COUPLING



- Certified by BS EN 61386-1,2.
- Coated with hot-dip galvanized over steel.
- Internally threaded and used in the connections of BS type conduits.

MSM Code	Stock Code	Thread Size
MB-201	B-CP0120	M20
MB-202	B-CP0125	M25
MB-203	B-CP0132	M32

FLANGED INSULATED COUPLING



- Certified by BS EN 61386-1,2.
- Hot-dip galvanized coated on malleable iron.
- Used for ending of BS type conduits.

MSM Code	Stock Code	Thread Size
MB-211	B-CP0520	M20
MB-212	B-CP0525	M25
MB-213	B-CP0532	M32

NOTE: For montage apparatus to ceiling, wall and profiles of BS type conduits, see page 17.

BAR SADDLE



- Certified by BS EN 61386-1,2.
- Electro galvanized coated on steel.
- Used for mounting BS type conduits to the surface.

MSM Code	Stock Code	Size
MB-301	B-SD0420	M20
MB-302	B-SD0425	M25
MB-303	B-SD0432	M32

DISTANCE SADDLE



- Certified by BS EN 61386-1,2.
- Hot-dip galvanized coated on malleable iron.
- Used for mounting BS type conduits with distance from the surface.

MSM Code	Stock Code	Size
MB-311	B-SD0320	M20
MB-312	B-SD0325	M25
MB-313	B-SD0332	M32

SHORT NIPPLE



- Certified by BS EN 61386-1,2.
- Electro galvanized coated on steel.
- Used to connect BS type internally threaded fittings.

MSM Code	Stock Code	Thread Size
MB-401	B-CP0320	M20
MB-402	B-CP0325	M25
MB-403	B-CP0332	M32

LONG NIPPLE



- Certified by BS EN 61386-1,2.
- Electro galvanized coated on steel.
- Used to connect BS type internally threaded fittings.

MSM Code	Stock Code	Thread Size
MB-411	B-CP0420	M20
MB-412	B-CP0425	M25
MB-413	B-CP0432	M32

SHORT TYPE REDUCER



- Certified by BS EN 61386-1,2.
- Hot-dip galvanized coated on malleable iron.
- Used for changing thread sizes of BS type conduits.

MSM Code	Stock Code	Thread Size (ExD)
MB-501	B-RD2025	M20 x M25
MB-502	B-RD2032	M20 x M32
MB-503	B-RD3225	M25 x M32

BLIND PLUG - ENDING



- Certified by BS EN 61386-1,2.
- Hot-dip galvanized coated on malleable iron.
- Used for the ending of BS type internally threaded fittings (junction box, coupling etc.).

MSM Code	Stock Code	Thread Size
MB-511	B-PL0120	M20
MB-512	B-PL0125	M25
MB-513	B-PL0132	M32

ONE GANG SWITCH & SOCKET GI BOX (3" x 3")



- Certified by BS 4662.
- Surface mounted type and it has grounding screw.
- Made of galvanized sheet. (1,00mm)
- Electrostatic painting can be made in RAL... type upon request.
- Used for mounting switches and sockets, in accordance with EUROPEAN and TURKISH standards.

MSM Code	Dimensions WxHxD (mm)	Side Knockout Pcs / Size	Bottom Knockout Pcs / Size
MB-601	72 x 72 x 35	4(Ø20) + 4(Ø25)	3(Ø20)
MB-602	72 x 72 x 47	4(Ø20) + 4(Ø25)	3(Ø20)

TWO GANGS SWITCH & SOCKET GI BOX (3" x 6")



- Certified by BS 4662.
- Surface mounted type and it has grounding screw.
- Made of galvanized sheet. (1,00mm)
- Electrostatic painting can be made in RAL... type upon request.
- Used for mounting switches and sockets, in accordance with EUROPEAN and TURKISH standards.

MSM Code	Dimensions WxHxD (mm)	Side Knockout Pcs / Size	Bottom Knockout Pcs / Size
MB-611	72 x 132 x 35	6(Ø20) + 6(Ø25)	4(Ø20)
MB-612	72 x 132 x 47	6(Ø20) + 6(Ø25)	4(Ø20)

TERMINAL BOX (A TYPE)



- Certified by BS EN 61386-1,2.
- Hot-dip galvanized coated on malleable iron.
- Used in interconnect of BS type conduits and cable connection.

MSM Code	Stock Code	Thread Size	Int. Dimension (mm) (diameter x depth)
MB-701	B-BC0120	M20	Ø60 x 25
MB-702	B-BC0125	M25	Ø60 x 28
MB-703	B-BC0132	M32	Ø80 x 40

ANGLE BOX (L TYPE)



- Certified by BS EN 61386-1,2.
- Hot-dip galvanized coated on malleable iron.
- Used in interconnect of BS type conduits and cable connection.

MSM Code	Stock Code	Thread Size	Int. Dimension (mm) (diameter x depth)
MB-721	B-BC0220	M20	Ø60 x 25
MB-722	B-BC0225	M25	Ø60 x 28
MB-723	B-BC0232	M32	Ø80 x 40

BRANCH BOX (Y TYPE)



- Certified by BS EN 61386-1,2.
- Hot-dip galvanized coated on malleable iron.
- Used in interconnect of BS type conduits and cable connection.

MSM Code	Stock Code	Thread Size	Int. Dimension (mm) (diameter x depth)
MB-811	B-BC0720	M20	Ø60 x 25
MB-812	B-BC0725	M25	Ø60 x 28
MB-813	B-BC0732	M32	Ø80 x 40

CIRCULAR BOX EXTANSION RING



- Certified by BS EN 61386-1,2.
- Galvanized coated on steel.
- Used to increase the height of BS type junction boxes.

MSM Code	Stock Code	Depth (mm)
MB-761	B-RN0120	20
MB-762	B-RN0125	25
MB-763	B-RN0132	32

- Cast iron junction boxes are also available in U and H types.
- The same seal and cover are used in all junction boxes.

THROUGH BOX (C TYPE)



- Certified by BS EN 61386-1,2.
- Hot-dip galvanized coated on malleable iron.
- Used in interconnect of BS type conduits and cable connection.

MSM Code	Stock Code	Thread Size	Int. Dimension (mm) (diameter x depth)
MB-711	B-BC0320	M20	Ø60 x 25
MB-712	B-BC0325	M25	Ø60 x 28
MB-713	B-BC0332	M32	Ø80 x 40

TEE BOX (T TYPE)



- Certified by BS EN 61386-1,2.
- Hot-dip galvanized coated on malleable iron.
- Used in interconnect of BS type conduits and cable connection.

MSM Code	Stock Code	Thread Size	Int. Dimension (mm) (diameter x depth)
MB-731	B-BC0420	M20	Ø60 x 25
MB-732	B-BC0425	M25	Ø60 x 28
MB-733	B-BC0432	M32	Ø80 x 40

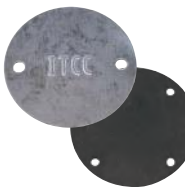
INTERSECTION BOX (X TYPE)



- Certified by BS EN 61386-1,2.
- Hot-dip galvanized coated on malleable iron.
- Used in interconnect of BS type conduits and cable connection.

MSM Code	Stock Code	Thread Size	Int. Dimension (mm) (diameter x depth)
MB-741	B-BC0520	M20	Ø60 x 25
MB-742	B-BC0525	M25	Ø60 x 28
MB-743	B-BC0532	M32	Ø80 x 40

CIRCULAR BOX COVER AND RUBBER GASKET



- Certified by BS EN 61386-1,2.
- Made of rubber material.
- Galvanized coated on steel.
- Used for the cover sealing of BS type junction boxes.

MSM Cover Code	MSM Gasket Code	Stock Code	Size
MB-751	—	B-CV0320	M20
MB-752	—	B-CV0332	M32
—	MB-771	B-RG0120	M20
—	MB-772	B-RG0132	M32

BRITISH STANDARD THREADED GALVANIZED STEEL CONDUIT/ HOT-DIP GALVANIZED



- Certified by BS 31 and Class 4.
- Coating and thread standard is BS 31.
- All BS conduits and accessories are **CE** and **EAC** certified.
- Burr-free, **gas** threaded electrical installation conduit and its inner and outer surfaces are hot dip galvanized.
- Standard product length **3.00 m**. One end fitted with coupling and the other protected by plastic end cap.
- Especially used in industrial facilities, business & shopping centers and social facilities, indoor/ outdoor environments.

MSM Code	Stock Code	Thread Size	Nominal Diameter (ID x OD, mm)	Nominal Wall Thickness (mm)	Weight (m/kg)
MB-Ø20.G1	C-BS 3175	3/4"	16,69 x 19,05	1,63	0,71
MB-Ø25.G2	C-BS 3110	1"	22,14 x 25,40	1,63	0,97
MB-Ø32.G3	C-BS 3111	1 1/4"	28,49 x 31,75	1,63	1,23

90° - NORMAL BEND

IP66



- Certified by BS EN 61386-1,2.
- Coated with hot-dip galvanized over steel.
- Internally threaded and used in the turns of BS 31 type conduits.

MSM Code	Stock Code	Thread Size
MB-101.G1	B-EL0475	3/4"
MB-102.G2	B-EL0410	1"
MB-103.G3	B-EL0412	1 1/4"

NORMAL COUPLING



- Certified by BS EN 61386-1,2.
- Coated with hot-dip galvanized over steel.
- Internally threaded and used in the connections of BS 31 type conduits.

MSM Code	Stock Code	Thread Size
MB-201.G1	B-CP0175	3/4"
MB-202.G2	B-CP0110	1"
MB-203.G3	B-CP0112	1 1/4"

90° - INSPECTION BEND



- Certified by BS EN 61386-1,2.
- Hot-dip galvanized coated on malleable iron.
- Internally threaded and used in the turns of BS 31 type conduits for cable pulling.

MSM Code	Stock Code	Thread Size
MB-121.G1	B-EL0275	3/4"
MB-122.G2	B-EL0210	1"

INSPECTION TEE



- Certified by BS EN 61386-1,2.
- Hot-dip galvanized coated on malleable iron.
- Internally threaded and used for cable pulling & distribution in BS 31 type conduits.

MSM Code	Stock Code	Thread Size
MB-131.G1	B-EL0375	3/4"
MB-132.G2	B-EL0310	1"

THROUGH BOX (C TYPE)



- Hot-dip galvanized coated on malleable iron.
- Used in interconnect of BS 31 type conduits and cable connection.

MSM Code	Stock Code	Thread Size	Int. Dimension (mm) (diameter x depth)
MB-301.G1	B-BC0375	3/4"	Ø60 x 25
MB-302.G2	B-BC0310	1"	Ø60 x 28
MB-303.G3	B-BC0312	1 1/4"	Ø80 x 40

INTERSECTION BOX (X TYPE)

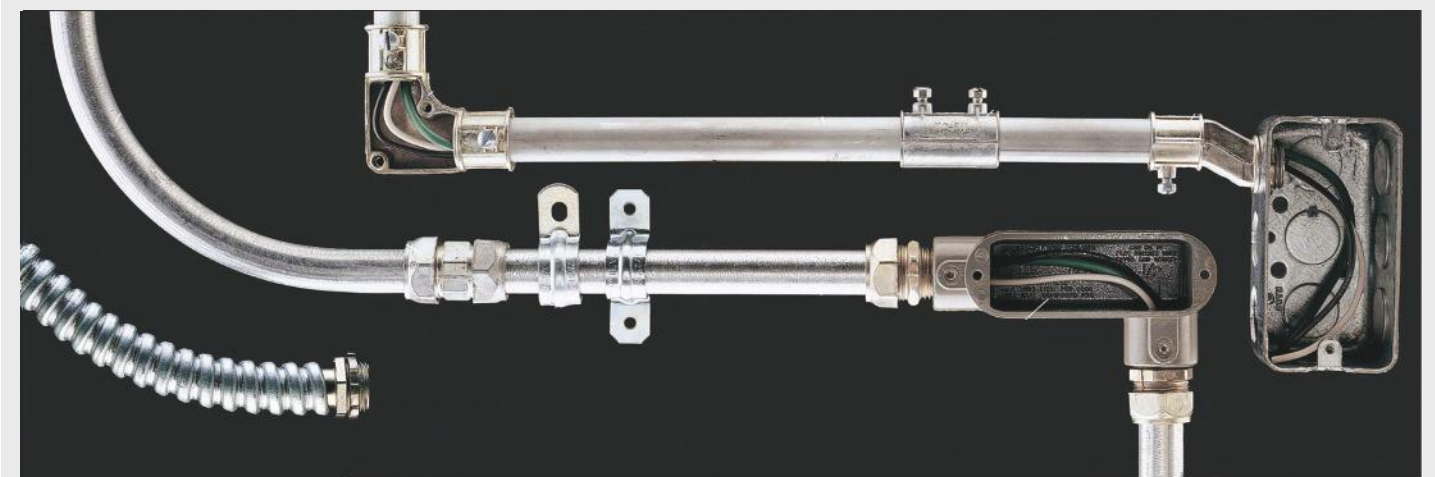
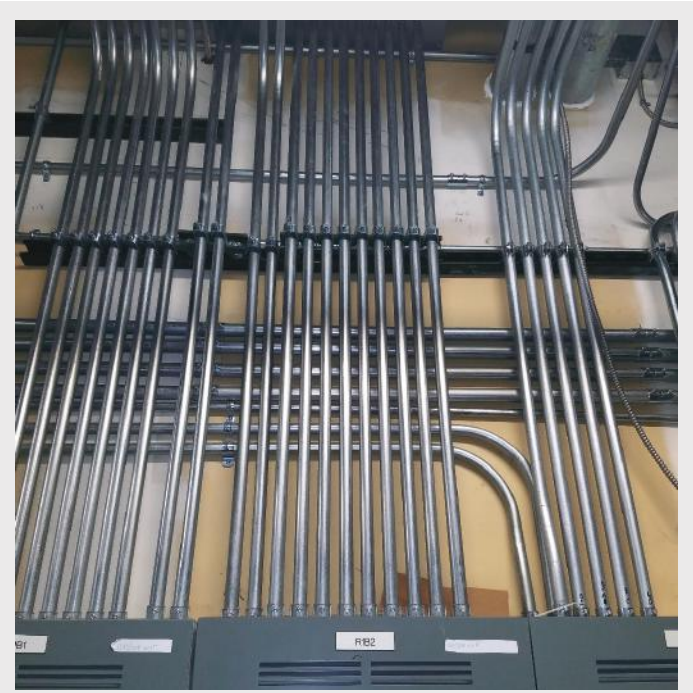


- Hot-dip galvanized coated on malleable iron.
- Used in interconnect of BS 31 type conduits and cable connection.

MSM Code	Stock Code	Thread Size	Int. Dimension (mm) (diameter x depth)
MB-311.G1	B-BC0575	3/4"	Ø60 x 25
MB-312.G2	B-BC0510	1"	Ø60 x 28
MB-313.G3	B-BC0512	1 1/4"	Ø80 x 40

NOTE: See page 31 for gasket, cover and extension elements of C and X type junction boxes.

See pages 17 and 30 of BS31 type conduit mounting apparatus to ceiling, wall and profile.



Rigid Metal Conduits & General Acces. Series



- ◆ Rigid Galvanized Metal Conduits
- ◆ Rigid Metal Conduit Accessories
- ◆ Rigid Metal Conduit Mounting Accessories
- ◆ Metal Adaptors & Reducers
- ◆ Metal Cable Clamps

- ◆ Sfero Casting Condulets / Junction Boxes
- ◆ Aluminum Casting Condulets / Junctions Boxes
- ◆ Aluminum Casting Junction Boxes
- ◆ Switch & Socket Montage Metal Boxes
- ◆ Metal Sheet Junction Boxes

GALVANIZED THREADED CONDUITS WITH A COUPLING

MIDDLE SERIES

TSE CE ENE



- Certified by TSE, GOST-R, EAC and CE.
- Manufactured in accordance with standard EN 10255.
- These conduits are hot-dip galvanized coated.
- Galvanized coating meets the requirements of standard EN 10240.
- The standard manufactured type has light burrs inside.
- $\pm 5\%$ tolerance of all below-mentioned physical characteristics.
- Standard length **6.00 m**, has a coupling on one end.
- Especially used in construction of heavy industry facilities (steel and concrete plants, etc.), oil refineries, power stations, explosion-proof enclosures. Suitable for underground, indoor and outdoor use.

MSM Code	Thread Size	Nominal Diameter (ID x OD, mm)	Nominal Wall Thickness (mm)	Weight (m/kg)	Weight (length/kg)	Quantity per Bundle (pcs)	Bundle Weight (bundle/kg)
GB-G1	1/2"	16,1 x 21,3	2,65	1,23	7,38	10	73,80
GB-G2	3/4"	21,7 x 26,9	2,65	1,59	9,54	10	95,40
GB-G3	1"	27,3 x 33,7	3,25	2,46	14,76	5	73,80
GB-G4	1 1/4"	36,0 x 42,4	3,25	3,17	19,02	5	95,10
GB-G5	1 1/2"	41,9 x 48,3	3,25	3,65	21,90	5	87,60
GB-G6	2"	53,1 x 60,3	3,65	5,17	31,02	3	93,00
GB-G7	2 1/2"	68,9 x 76,1	3,65	6,63	39,78	3	79,56
GB-G8	3"	80,9 x 88,9	4,05	8,64	51,84	1	51,84
GB-G9	4"	105,3 x 114,3	4,50	12,40	74,40	1	74,40
GB-G10	5"	129,7 x 139,7	4,85	16,70	100,20	1	100,20
GB-G11	6"	155,4 x 165,1	4,85	19,80	118,80	1	118,80

GALVANIZED THREADED BURR -FREE CONDUITS WITH A COUPLING

MIDDLE SERIES

TSE CE ENE



- Certified by TSE, GOST-R, EAC and CE.
- Manufactured in accordance with standard EN 10255.
- Galvanized coating meets the requirements of standard EN 10240.
- These conduits are hot-dip galvanized coated.
- $\pm 5\%$ tolerance of all below-mentioned physical characteristics.
- Standard length **6.00 m**, has a coupling on one end.
- Burr-free inner surface minimizes the risks of scratching the cable while wire pulling.
- Due to production process specifics the minimum order is 5 tons (of one size).
- Especially used in construction of non-residential and industrial facilities, workplaces, ships etc. Suitable for indoor and outdoor use and in wet conditions.

MSM Code	Thread Size	Nominal Diameter (ID x OD, mm)	Nominal Wall Thickness (mm)	Weight (m/kg)	Weight (length/kg)	Quantity per Bundle (pcs)	Bundle Weight (bundle/kg)
GTC-G1	1/2"	16,1 x 21,3	2,65	1,23	7,38	10	73,80
GTC-G2	3/4"	21,7 x 26,9	2,65	1,59	9,54	10	95,40
GTC-G3	1"	27,3 x 33,7	3,25	2,46	14,76	5	73,80
GTC-G4	1 1/4"	36,0 x 42,4	3,25	3,17	19,02	5	95,10
GTC-G5	1 1/2"	41,9 x 48,3	3,25	3,65	21,90	4	87,60
GTC-G6	2"	53,1 x 60,3	3,65	5,17	31,02	3	93,00
GTC-G7	2 1/2"	68,9 x 76,1	3,65	6,63	39,78	2	79,56
GTC-G8	3"	80,9 x 88,9	4,05	8,64	51,84	1	51,84
GTC-G9	4"	105,3 x 114,3	4,50	12,4	74,40	1	74,40
GTC-G10	5"	129,7 x 139,7	4,85	16,7	100,20	1	100,20
GTC-G11	6"	155,4 x 165,1	4,85	19,8	118,80	1	118,80

45° GALVANIZED ELBOW

PG EAC CE



MSM Code	Thread Size	Material
GK-G1	1/2"	Steel+Hot-dip Galv.Coat.
GK-G2	3/4"	Steel+Hot-dip Galv.Coat.
GK-G3	1"	Steel+Hot-dip Galv.Coat.
GK-G4	1 1/4"	Steel+Hot-dip Galv.Coat.
GK-G5	1 1/2"	Steel+Hot-dip Galv.Coat.
GK-G6	2"	Steel+Hot-dip Galv.Coat.
GK-G7	2 1/2"	Steel+Hot-dip Galv.Coat.
GK-G8	3"	Steel+Hot-dip Galv.Coat.
GK-G9	4"	Steel+Hot-dip Galv.Coat.
GK-G10	5"	Steel+Hot-dip Galv.Coat.
GK-G11	6"	Steel+Hot-dip Galv.Coat.

90° GALVANIZED ELBOW

PG EAC CE



MSM Code	Thread Size	Material
GD-G1	1/2"	Steel+Hot-dip Galv.Coat.
GD-G2	3/4"	Steel+Hot-dip Galv.Coat.
GD-G3	1"	Steel+Hot-dip Galv.Coat.
GD-G4	1 1/4"	Steel+Hot-dip Galv.Coat.
GD-G5	1 1/2"	Steel+Hot-dip Galv.Coat.
GD-G6	2"	Steel+Hot-dip Galv.Coat.
GD-G7	2 1/2"	Steel+Hot-dip Galv.Coat.
GD-G8	3"	Steel+Hot-dip Galv.Coat.
GD-G9	4"	Steel+Hot-dip Galv.Coat.
GD-G10	5"	Steel+Hot-dip Galv.Coat.
GD-G11	6"	Steel+Hot-dip Galv.Coat.

COUPLING (FEMALE TO FEMALE)

PG EAC CE



MSM Code	Thread Size	Material
MD-G1	1/2"	Steel+Hot-dip Galv.Coat.
MD-G2	3/4"	Steel+Hot-dip Galv.Coat.
MD-G3	1"	Steel+Hot-dip Galv.Coat.
MD-G4	1 1/4"	Steel+Hot-dip Galv.Coat.
MD-G5	1 1/2"	Steel+Hot-dip Galv.Coat.
MD-G6	2"	Steel+Hot-dip Galv.Coat.
MD-G7	2 1/2"	Steel+Hot-dip Galv.Coat.
MD-G8	3"	Steel+Hot-dip Galv.Coat.
MD-G9	4"	Steel+Hot-dip Galv.Coat.
MD-G10	5"	Steel+Hot-dip Galv.Coat.
MD-G11	6"	Steel+Hot-dip Galv.Coat.

NIPPLE (MALE TO MALE)

PG EAC CE



MSM Code	Thread Size	Material
NE-G1	1/2"	Metal + Electro-Galv.Coat.
NE-G2	3/4"	Metal + Electro-Galv.Coat.
NE-G3	1"	Metal + Electro-Galv.Coat.
NE-G4	1 1/4"	Metal + Electro-Galv.Coat.
NE-G5	1 1/2"	Metal + Electro-Galv.Coat.
NE-G6	2"	Metal + Electro-Galv.Coat.
NE-G7	2 1/2"	Metal + Electro-Galv.Coat.
NE-G8	3"	Metal + Electro-Galv.Coat.
NE-G9	4"	Metal + Electro-Galv.Coat.
NE-G10	5"	Metal + Electro-Galv.Coat.
NE-G11	6"	Metal + Electro-Galv.Coat.

METAL ENTUL / BRACELET TYPE (ENDING)

PG EAC CE



MSM Code	Thread Size	Material
SBS-G1	1/2"	Metal + Electro-Galv.Coat.
SBS-G2	3/4"	Metal + Electro-Galv.Coat.
SBS-G3	1"	Metal + Electro-Galv.Coat.
SBS-G4	1 1/4"	Metal + Electro-Galv.Coat.
SBS-G5	1 1/2"	Metal + Electro-Galv.Coat.
SBS-G6	2"	Metal + Electro-Galv.Coat.
SBS-G7	2 1/2"	Metal + Electro-Galv.Coat.
SBS-G8	3"	Metal + Electro-Galv.Coat.
SBS-G9	4"	Metal + Electro-Galv.Coat.
SBS-G10	5"	Metal + Electro-Galv.Coat.
SBS-G11	6"	Metal + Electro-Galv.Coat.

BLIND PLUG (GAS)

PG EAC CE



MSM Code	Thread Size	Material
MT-G1	1/2"	Metal + Electro-Galv.Coat.
MT-G2	3/4"	Metal + Electro-Galv.Coat.
MT-G3	1"	Metal + Electro-Galv.Coat.
MT-G4	1 1/4"	Metal + Electro-Galv.Coat.
MT-G5	1 1/2"	Metal + Electro-Galv.Coat.
MT-G6	2"	Metal + Electro-Galv.Coat.
MT-G7	2 1/2"	Metal + Electro-Galv.Coat.
MT-G8	3"	Metal + Electro-Galv.Coat.
MT-G9	4"	Metal + Electro-Galv.Coat.
MT-G10	5"	Metal + Electro-Galv.Coat.
MT-G11	6"	Metal + Electro-Galv.Coat.

NOTE: Pg, Metric and NPT thread types are also available.

THREADED CONDUIT CONNECTOR-HUB

PG EAC CE



MSM Code	Thread Size	Material
HR-G1	1/2"	Metal + Electro-Galv.Coat.
HR-G2	3/4"	Metal + Electro-Galv.Coat.
HR-G3	1"	Metal + Electro-Galv.Coat.
HR-G4	1 1/4"	Metal + Electro-Galv.Coat.
HR-G5	1 1/2"	Metal + Electro-Galv.Coat.
HR-G6	2"	Metal + Electro-Galv.Coat.
HR-G7	2 1/2"	Metal + Electro-Galv.Coat.
HR-G8	3"	Metal + Electro-Galv.Coat.
HR-G9	4"	Metal + Electro-Galv.Coat.
HR-G10	5"	Metal + Electro-Galv.Coat.
HR-G11	6"	Metal + Electro-Galv.Coat.

PVC INSULATED GROUNDING METAL BUSHING

PG EAC CE



MSM Code	Thread Size	Material
TB-G1	1/2"	Cast Iron+El.-Galv.Coat.
TB-G2	3/4"	Cast Iron+El.-Galv.Coat.
TB-G3	1"	Cast Iron+El.-Galv.Coat.
TB-G4	1 1/4"	Cast Iron+El.-Galv.Coat.
TB-G5	1 1/2"	Cast Iron+El.-Galv.Coat.
TB-G6	2"	Cast Iron+El.-Galv.Coat.
TB-G7	2 1/2"	Cast Iron+El.-Galv.Coat.
TB-G8	3"	Cast Iron+El.-Galv.Coat.
TB-G9	4"	Cast Iron+El.-Galv.Coat.
TB-G10	5"	Cast Iron+El.-Galv.Coat.
TB-G11	6"	Cast Iron+El.-Galv.Coat.

(*)

(*) These items can also be produced in brass with a nickel coating.

EMT - FLEXIBLE STEEL CONDUIT CONN. ADAPTOR (WITH SCREW)

PG ENE CE



MSM Code	Thread Size	Material
ESA-G1	1/2"	Brass + Nickel Coat.
ESA-G2	3/4"	Brass + Nickel Coat.
ESA-G3	1"	Brass + Nickel Coat.
ESA-G4	1 1/4"	Brass + Nickel Coat.
ESA-G5	1 1/2"	Brass + Nickel Coat.
ESA-G6	2"	Brass + Nickel Coat.
ESA-G7	2 1/2"	Brass + Nickel Coat.
ESA-G8	3"	Brass + Nickel Coat.
ESA-G9	4"	Brass + Nickel Coat.

SHORT TYPE REDUCER BUSHING

PG ENE CE



MSM Code	Thread Size (MxF)	Material
KBR-G3.G2	1/2"-3/8"	Brass + Nickel Coat.
KBR-G4.G3	3/4"-1/2"	Brass + Nickel Coat.
KBR-G5.G4	1"-3/4"	Brass + Nickel Coat.
KBR-G6.G5	1 1/4"-1"	Brass + Nickel Coat.
KBR-G7.G6	1 1/2"-1 1/4"	Brass + Nickel Coat.
KBR-G8.G7	2"-1 1/2"	Brass + Nickel Coat.
KBR-G9.G8	2 1/2"-2"	Brass + Nickel Coat.
KBR-G10.G9	3"-2 1/2"	Brass + Nickel Coat.
KBR-G11.G10	4"-3"	Brass + Nickel Coat.

EMT - FLEXIBLE STEEL CONDUIT CONN. ADAPTOR (COMP. TYPE)

PG ENE CE



MSM Code	Thread Size	Material
ESE-G1	1/2"	Brass + Nickel Coat.
ESE-G2	3/4"	Brass + Nickel Coat.
ESE-G3	1"	Brass + Nickel Coat.
ESE-G4	1 1/4"	Brass + Nickel Coat.
ESE-G5	1 1/2"	Brass + Nickel Coat.
ESE-G6	2"	Brass + Nickel Coat.
ESE-G7	2 1/2"	Brass + Nickel Coat.
ESE-G8	3"	Brass + Nickel Coat.
ESE-G9	4"	Brass + Nickel Coat.

THREADED CONDUIT - FLEXIBLE STEEL CON. CONN. ADAPTOR

PG ENE CE



MSM Code	Thread Size	Material
DSA-G1	1/2"	Brass + Nickel Coat.
DSA-G2	3/4"	Brass + Nickel Coat.
DSA-G3	1"	Brass + Nickel Coat.
DSA-G4	1 1/4"	Brass + Nickel Coat.
DSA-G5	1 1/2"	Brass + Nickel Coat.
DSA-G6	2"	Brass + Nickel Coat.
DSA-G7	2 1/2"	Brass + Nickel Coat.
DSA-G8	3"	Brass + Nickel Coat.
DSA-G9	4"	Brass + Nickel Coat.

REDUCER NIPPLE (MALE TO MALE)

PG ENE CE



MSM Code	Thread Size (MxM)	Material
NR-G3.G4	1/2"-3/4"	Brass + Nickel Coat.
NR-G4.G5	3/4"-1"	Brass + Nickel Coat.
NR-G5.G6	1"-1 1/4"	Brass + Nickel Coat.
NR-G6.G7	1 1/4"-1 1/2"	Brass + Nickel Coat.
NR-G7.G8	1 1/2"-2"	Brass + Nickel Coat.
NR-M3.M4	M20-M25	Brass + Nickel Coat.
NR-M4.M5	M25-M32	Brass + Nickel Coat.
NR-M5.M6	M32-M40	Brass + Nickel Coat.
NR-M6.M7	M40-M50	Brass + Nickel Coat.
NR-M7.M8	M50-M63	Brass + Nickel Coat.

COUPLING REDUCER (FEMALE TO FEMALE)

PG ENE CE



MSM Code	Thread Size (FxF)	Material
MR-G3.G4	1/2"-3/4"	Brass + Nickel Coat.
MR-G4.G5	3/4"-1"	Brass + Nickel Coat.
MR-G5.G6	1"-1 1/4"	Brass + Nickel Coat.
MR-G6.G7	1 1/4"-1 1/2"	Brass + Nickel Coat.
MR-G7.G8	1 1/2"-2"	Brass + Nickel Coat.
NR-M3.M4	M20-M25	Brass + Nickel Coat.
NR-M4.M5	M25-M32	Brass + Nickel Coat.
NR-M5.M6	M32-M40	Brass + Nickel Coat.
NR-M6.M7	M40-M50	Brass + Nickel Coat.
NR-M7.M8	M50-M63	Brass + Nickel Coat.

SHORT TYPE REDUCER (MALE TO FEMALE)

PG ENE CE



MSM Code	Thread Size (MxF)	Material
KR-G3.G2	1/2" - 3/8"	Brass + Nickel Coat.
KR-G4.G3	3/4" - 1/2"	Brass + Nickel Coat.
KR-G5.G3	1" - 1/2"	Brass + Nickel Coat.
KR-G5.G4	1" - 3/4"	Brass + Nickel Coat.
KR-G6.G3	1 1/4" - 1/2"	Brass + Nickel Coat.
KR-G6.G4	1 1/4" - 3/4"	Brass + Nickel Coat.
KR-G6.G5	1 1/4" - 1"	Brass + Nickel Coat.
KR-G7.G3	1 1/2" - 1/2"	Brass + Nickel Coat.
KR-G7.G4	1 1/2" - 3/4"	Brass + Nickel Coat.
KR-G7.G5	1 1/2" - 1"	Brass + Nickel Coat.
KR-G7.G6	1 1/2" - 1 1/4"	Brass + Nickel Coat.
KR-G8.G3	2" - 1/2"	Brass + Nickel Coat.
KR-G8.G4	2" - 3/4"	Brass + Nickel Coat.
KR-G8.G5	2" - 1"	Brass + Nickel Coat.
KR-G8.G6	2" - 1 1/4"	Brass + Nickel Coat.
KR-G8.G7	2" - 1 1/2"	Brass + Nickel Coat.
KR-G9.G8	2 1/2" - 2"	Brass + Nickel Coat.
KR-G10.G9	3" - 2 1/2"	Brass + Nickel Coat.
KR-G11.G10	4" - 3"	Brass + Nickel Coat.

NORMAL REDUCER (MALE TO FEMALE)

PG ENE CE



MSM Code	Thread Size (MxF)	Material
EDR-P4.M4	Pg13,5-M25	Brass + Nickel Coat.
EDR-P5.P6	Pg16-Pg21	Brass + Nickel Coat.
EDR-G3.M4	1/2"-M25	Brass + Nickel Coat.
EDR-M3.P3	M20-Pg11	Brass + Nickel Coat.
EDR-M3.M4	M20-M25	Brass + Nickel Coat.
EDR-G4.P7	3/4"-Pg29	Brass + Nickel Coat.
EDR-G4.G5	3/4"-1"	Brass + Nickel Coat.
EDR-M4.M5	M25-M32	Brass + Nickel Coat.
EDR-M5.G5	M32-1"	Brass + Nickel Coat.
EDR-G5.M4	1"-M25	Brass + Nickel Coat.
EDR-G6.G5	1 1/4"-1"	Brass + Nickel Coat.
EDR-G7.G5	1 1/2"-1"	Brass + Nickel Coat.
EDR-G8.G7	2"-1 1/2"	Brass + Nickel Coat.
EDR-G9.G8	2 1/2"-2"	Brass + Nickel Coat.
EDR-G10.G9	3"-2 1/2"	Brass + Nickel Coat.

• All the items on this page are also available in metal with electro-galvanized coating and can be produced in any other required size and with any other required thread type.

• In the short reducer description smaller sizes (KR-KBR types) stand for female thread, bigger sizes stand for male thread.

LOCK NUT (GAS-NPT THREAD)

PG EAC CE



Gas Code	Thread Size	NPT Code	Thread Size
KS-G1	1/2"	KS-N1	1/2" NPT
KS-G2	3/4"	KS-N2	3/4" NPT
KS-G3	1"	KS-N3	1" NPT
KS-G4	1 1/4"	KS-N4	1 1/4" NPT
KS-G5	1 1/2"	KS-N5	1 1/2" NPT
KS-G6	2"	KS-N6	2" NPT
KS-G7	2 1/2"	KS-N7	2 1/2" NPT
KS-G8	3"	KS-N8	3" NPT
KS-G9	4"	KS-N9	4" NPT
KS-G10	5"	KS-N10	5" NPT

LOCK NUT (METRIC-Pg THREAD)

PG EAC CE



Metric Code	Thread Size	Pg Code	Thread Size
KS-M1	M12x1,5	KS-P1	Pg 7
KS-M2	M16x1,5	KS-P2	Pg 9
KS-M3	M20x1,5	KS-P3	Pg 11
KS-M4	M25x1,5	KS-P4	Pg 13,5
KS-M5	M32x1,5	KS-P5	Pg 16
KS-M6	M40x1,5	KS-P6	Pg 21
KS-M7	M50x1,5	KS-P7	Pg 29
KS-M8	M63x1,5	KS-P8	Pg 36
KS-M9	M75x1,5	KS-P9	Pg 42
KS-M10	M80x1,5	KS-P10	Pg 48

NOTE: These materials can be manufactured as electro-galvanized on metal and nickel plated on brass.

PVC FERRULE (GRAY/BLACK)

PG EAC CE



MSM Code	Size	Material
PE-G1	1/2"	PVC
PE-G2	3/4"	PVC
PE-G3	1"	PVC
PE-G4	1 1/4"	PVC
PE-G5	1 1/2"	PVC
PE-G6	2"	PVC
PE-G7	2 1/2"	PVC
PE-G8	3"	PVC
PE-G9	4"	PVC
PE-G10	5"	PVC

PLASTIC COVER (ENDING)

PG EAC CE



MSM Code	Size	Material
PMT-G1	1/2"	Polyethylene
PMT-G2	3/4"	Polyethylene
PMT-G3	1"	Polyethylene
PMT-G4	1 1/4"	Polyethylene
PMT-G5	1 1/2"	Polyethylene
PMT-G6	2"	Polyethylene
PMT-G7	2 1/2"	Polyethylene
PMT-G8	3"	Polyethylene
PMT-G9	4"	Polyethylene
PMT-G10	5"	Polyethylene

NOTE: It can be produced in black and gray colours.

"P" TYPE CLAMP

PG EAC CE



MSM Code	Suitable Conduit Size	Material
PK-G2	3/8"	Metal+PVC Coat.
PK-G3	1/2"	Metal+PVC Coat.
PK-G4	3/4"	Metal+PVC Coat.
PK-G5	1"	Metal+PVC Coat.
PK-G6	1 1/4"	Metal+PVC Coat.
PK-G7	1 1/2"	Metal+PVC Coat.
PK-G8	2"	Metal+PVC Coat.

PROFILE HANGING VISE

PG EAC CE



MSM Code	Thread Size	Material
PAM-M6	M6	Metal+Electro-Galv.Coat.
PAM-M8	M8	Metal+Electro-Galv.Coat.
PAM-M10	M10	Metal+Electro-Galv.Coat.
PAM-M12	M12	Metal+Electro-Galv.Coat.
PAM-M14	M14	Metal+Electro-Galv.Coat.
PAM-M16	M16	Metal+Electro-Galv.Coat.
PAM-M20	M20	Metal+Electro-Galv.Coat.

"G" PROFILE WITH HOLES- PVC PROFILE PLUG

PG EAC CE



MSM Code	Size WxHxT (mm)	Material
GP-01.P	41x21x2,0	Metal+Pre-Galv.Coated
GP-02.P	41x41x2,0	Metal+Pre-Galv.Coated
GP-01.E	41x21x2,0	Metal+Electro-Galv.Coated
GP-02.E	41x41x2,0	Metal+Electro-Galv.Coated
GP-01.H	41x21x2,0	Metal+Hot-Dip Galv.Coated
GP-02.H	41x41x2,0	Metal+Hot-Dip Galv.Coated
GP-01.S	41x21x2,0	Stainless Steel
GP-02.S	41x41x2,0	Stainless Steel
PT-01	41x41	PVC
PT-02	41x21	PVC

ANGLE CABLE CLAMP

PG EAC CE



MSM Code	Cable Dia.(mm)	Material
M-KKA-30 D	17,5	Metal+Pre-Galv.Coated
M-KKA-31 D	22,0	Metal+Pre-Galv.Coated
M-KKA-32 D	30,0	Metal+Pre-Galv.Coated
M-KKA-33 D	37,0	Metal+Pre-Galv.Coated

"G" PROFILE CABLE CLAMP

PG EAC CE



MSM Code	Cable Dia.(mm)	Material
M-KKA-40 D	10-16	Metal+Pre-Galv.Coated
M-KKA-41 D	16-26	Metal+Pre-Galv.Coated
M-KKA-42 D	26-40	Metal+Pre-Galv.Coated
M-KKA-43 D	40-62	Metal+Pre-Galv.Coated

NOTE: Standard lengths are 3.0 meters. Special lengths can be manufactured. There are also non-perforated types and productions with a wall thickness of 1.5-2.5 mm.

NOTE: Cable clamps can also be manufactured from Hot Dip galvanized, Aluminum or Stainless (SS 304-316) sheet metal upon request.

STANDARD NUT CLAMP

CE ENEC ENEC



Heavy duty double nut clamps are also available.

MSM Code	Size	Material
SK-G1	1/2"	Metal+Electro-Galv. Coat.
SK-G2	3/4"	Metal+Electro-Galv. Coat.
SK-G3	1"	Metal+Electro-Galv. Coat.
SK-G4	1 1/4"	Metal+Electro-Galv. Coat.
SK-G5	1 1/2"	Metal+Electro-Galv. Coat.
SK-G6	2"	Metal+Electro-Galv. Coat.
SK-G7	2 1/2"	Metal+Electro-Galv. Coat.
SK-G8	3"	Metal+Electro-Galv. Coat.
SK-G9	4"	Metal+Electro-Galv. Coat.
SK-G10	5"	Metal+Electro-Galv. Coat.
SK-G11	6"	Metal+Electro-Galv. Coat.

SHORT CLAMP WITH TRIPHONE

CE ENEC ENEC



MSM Code	Size	Material
TKK-G1	1/2"	Metal+Electro-Galv. Coat.
TKK-G2	3/4"	Metal+Electro-Galv. Coat.
TKK-G3	1"	Metal+Electro-Galv. Coat.
TKK-G4	1 1/4"	Metal+Electro-Galv. Coat.
TKK-G5	1 1/2"	Metal+Electro-Galv. Coat.
TKK-G6	2"	Metal+Electro-Galv. Coat.
TKK-G7	2 1/2"	Metal+Electro-Galv. Coat.
TKK-G8	3"	Metal+Electro-Galv. Coat.
TKK-G9	4"	Metal+Electro-Galv. Coat.

"U" TYPE BOLT CLAMP

CE ENEC ENEC



MSM Code	Size	Material
UK-G1	1/2"	Metal+Electro-Galv. Coat.
UK-G2	3/4"	Metal+Electro-Galv. Coat.
UK-G3	1"	Metal+Electro-Galv. Coat.
UK-G4	1 1/4"	Metal+Electro-Galv. Coat.
UK-G5	1 1/2"	Metal+Electro-Galv. Coat.
UK-G6	2"	Metal+Electro-Galv. Coat.
UK-G7	2 1/2"	Metal+Electro-Galv. Coat.
UK-G8	3"	Metal+Electro-Galv. Coat.
UK-G9	4"	Metal+Electro-Galv. Coat.
UK-G10	5"	Metal+Electro-Galv. Coat.
UK-G11	6"	Metal+Electro-Galv. Coat.

RAIL TYPE CLAMP

CE ENEC ENEC



MSM Code	Size	Clamping Ran. (mm)	Material
RK-G1	1/2"	21÷23	Metal+Sendzimir Galv.
RK-G2	3/4"	26÷29	Metal+Sendzimir Galv.
RK-G3	1"	32÷36	Metal+Sendzimir Galv.
RK-G4	1 1/4"	39÷42	Metal+Sendzimir Galv.
RK-G5	1 1/2"	46÷50	Metal+Sendzimir Galv.
RK-G6	2"	60÷63	Metal+Sendzimir Galv.
RK-G7	2 1/2"	74÷77	Metal+Sendzimir Galv.
RK-G8	3"	86÷90	Metal+Sendzimir Galv.
RK-G9	4"	112÷115	Metal+Sendzimir Galv.
RK-G10	5"	138÷141	Metal+Sendzimir Galv.
RK-G11	6"	160÷164	Metal+Sendzimir Galv.

These materials can also be produced with stainless steel raw materials.

There are models of clamps in different sizes according to the number and section of the cable.

HEAVY DUTY CLAMP WITH A HEAD

CE ENEC ENEC



MSM Code	Size	Material
AKK-G1	1/2"	Metal+Electro-Galv. Coat.
AKK-G2	3/4"	Metal+Electro-Galv. Coat.
AKK-G3	1"	Metal+Electro-Galv. Coat.
AKK-G4	1 1/4"	Metal+Electro-Galv. Coat.
AKK-G5	1 1/2"	Metal+Electro-Galv. Coat.
AKK-G6	2"	Metal+Electro-Galv. Coat.
AKK-G7	2 1/2"	Metal+Electro-Galv. Coat.
AKK-G8	3"	Metal+Electro-Galv. Coat.
AKK-G9	4"	Metal+Electro-Galv. Coat.
AKK-G10	5"	Metal+Electro-Galv. Coat.
AKK-G11	6"	Metal+Electro-Galv. Coat.

LONG CLAMP WITH TRIPHONE

CE ENEC ENEC



MSM Code	Size	Material
TUK-G1	1/2"	Metal+Electro-Galv. Coat.
TUK-G2	3/4"	Metal+Electro-Galv. Coat.
TUK-G3	1"	Metal+Electro-Galv. Coat.
TUK-G4	1 1/4"	Metal+Electro-Galv. Coat.
TUK-G5	1 1/2"	Metal+Electro-Galv. Coat.
TUK-G6	2"	Metal+Electro-Galv. Coat.
TUK-G7	2 1/2"	Metal+Electro-Galv. Coat.
TUK-G8	3"	Metal+Electro-Galv. Coat.
TUK-G9	4"	Metal+Electro-Galv. Coat.

GROUNDING CLAMP

CE ENEC ENEC



MSM Code	Size	Clamping Ran. (mm)	Material
TK-G1	1/2"	16÷23	Metal+Nickel Coat.
TK-G2	3/4"	20÷30	Metal+Nickel Coat.
TK-G3	1"	28÷48	Metal+Nickel Coat.
TK-G4	1 1/4"	38÷58	Metal+Nickel Coat.
TK-G5	1 1/2"	44÷64	Metal+Nickel Coat.
TK-G6	2"	57÷76	Metal+Nickel Coat.
TK-G7	2 1/2"	65÷82	Metal+Nickel Coat.
TK-G8	3"	85÷103	Metal+Nickel Coat.
TK-G9	4"	105÷121	Metal+Nickel Coat.
TK-G10	5"	130÷146	Metal+Nickel Coat.
TK-G11	6"	150÷170	Metal+Nickel Coat.

ALUMINUM & POLYAMIDE CABLE CLAMP

CE ENEC ENEC



MSM Code	Clamping Ran. (mm)	Material
AKK-40	31-40	Aluminum Casting
AKK-50	41-50	Aluminum Casting
AKK-60	51-60	Aluminum Casting
AKK-70	61-70	Aluminum Casting
AKK-80	71-80	Aluminum Casting
AKK-90	81-90	Aluminum Casting
MSM Code	Clamping Ran. (mm)	Material
HKK-34	26-34	Polyamide
HKK-42	35-42	Polyamide
HKK-50	44-50	Polyamide
HKK-58	52-58	Polyamide

AS...TYPE JUNCTION BOXES (Ø 88 mm)

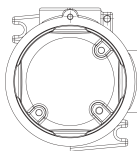
— Ø 88 mm —

“ASC” TYPE CAST IRON JUNCTION BOX (2 WAY)



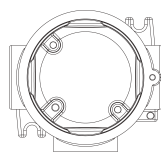
Gas Code	Gas Thread Size	Metric Code	Metric Thread Size
ASC-119-G1	1/2"	ASC-119-M1	M16x1,5
ASC-219-G2	3/4"	ASC-219-M2	M20x1,5
ASC-319-G3	1"	ASC-319-M3	M25x1,5

“ASL” TYPE CAST IRON JUNCTION BOX (2 WAY)



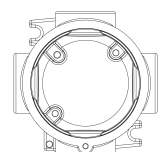
Gas Code	Gas Thread Size	Metric Code	Metric Thread Size
ASL-119-G1	1/2"	ASL-119-M1	M16x1,5
ASL-219-G2	3/4"	ASL-219-M2	M20x1,5
ASL-319-G3	1"	ASL-319-M3	M25x1,5

“AST” TYPE CAST IRON JUNCTION BOX (3 WAY)



Gas Code	Gas Thread Size	Metric Code	Metric Thread Size
AST-119-G1	1/2"	AST-119-M1	M16x1,5
AST-219-G2	3/4"	AST-219-M2	M20x1,5
AST-319-G3	1"	AST-319-M3	M25x1,5

“ASX” TYPE CAST IRON JUNCTION BOX (4 WAY)



Gas Code	Gas Thread Size	Metric Code	Metric Thread Size
ASX-119-G1	1/2"	ASX-119-M1	M16x1,5
ASX-219-G2	3/4"	ASX-219-M2	M20x1,5
ASX-319-G3	1"	ASX-319-M3	M25x1,5

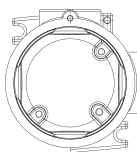
AS...TYPE JUNCTION BOXES (Ø 140 mm)

“ASC” TYPE CAST IRON JUNCTION BOX (2 WAY)



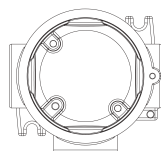
Gas Code	Gas Thread Size	Metric Code	Metric Thread Size
ASC-309-G1	1"	ASC-309-M1	M32x1,5
ASC-409-G2	1 1/4"	ASC-409-M2	M40x1,5
ASC-509-G3	1 1/2"	ASC-509-M3	M50x1,5
ASC-609-G4	2"	ASC-609-M4	M63x1,5

“ASL” TYPE CAST IRON JUNCTION BOX (2 WAY)



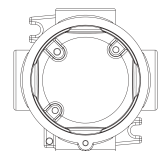
Gas Code	Gas Thread Size	Metric Code	Metric Thread Size
ASL-309-G1	1"	ASL-309-M1	M32x1,5
ASL-409-G2	1 1/4"	ASL-409-M2	M40x1,5
ASL-509-G3	1 1/2"	ASL-509-M3	M50x1,5
ASL-609-G4	2"	ASL-609-M4	M63x1,5

“AST” TYPE CAST IRON JUNCTION BOX (3 WAY)



Gas Code	Gas Thread Size	Metric Code	Metric Thread Size
AST-309-G1	1"	AST-309-M1	M32x1,5
AST-409-G2	1 1/4"	AST-409-M2	M40x1,5
AST-509-G3	1 1/2"	AST-509-M3	M50x1,5
AST-609-G4	2"	AST-609-M4	M63x1,5

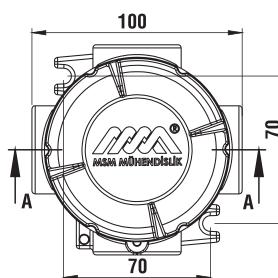
“ASX” TYPE CAST IRON JUNCTION BOX (4 WAY)



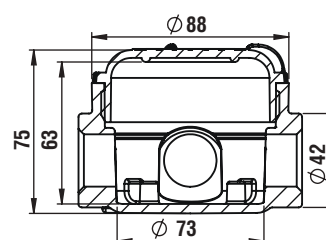
Gas Code	Gas Thread Size	Metric Code	Metric Thread Size
ASX-309-G1	1"	ASX-309-M1	M32x1,5
ASX-409-G2	1 1/4"	ASX-409-M2	M40x1,5
ASX-509-G3	1 1/2"	ASX-509-M3	M50x1,5
ASX-609-G4	2"	ASX-609-M4	M63x1,5



TOP VIEW



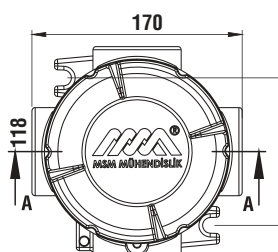
SECTION A-A



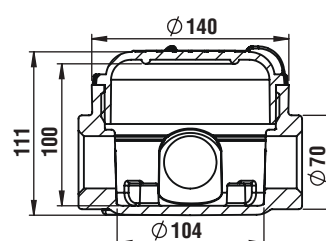
— Ø 140 mm —



TOP VIEW



SECTION A-A



NOTE:

- It is made of aluminum injection molding. Upon request, electrostatic paint can be applied in RAL... color.
- The net inner depth of Ø 88 mm junction boxes is 63 mm, the net inner diameter is 77 mm and the body wall thickness is 3.5 mm.
- The internal depth of Ø 140 mm junction boxes is net 100 mm, the internal diameter is net 104 mm and the body wall thickness is 5.0 mm.
- There are grounding screws and two terminal mounting ears on the inner and outer surfaces of the junction boxes.
- Special manufacturing can be done on the same junction box, with different tooth type features and dimensions.
- It is used in surface mounted installations, cable distribution and connection with IMC/RSC type conduits.

CAST IRON JUNCTION BOXES - GRF-... TYPES

"GRFC" CAST IRON JUNCTION BOX

CE ENEC



MSM Code	Thread Size	Inside Depth (mm)
GRFC-119	1/2"	42
GRFC-219	3/4"	
GRFC-129	1/2"	62
GRFC-229	3/4"	
GRFC-329	1"	
GRFC-139	1/2"	82
GRFC-239	3/4"	
GRFC-339	1"	

"GRFT" CAST IRON JUNCTION BOX

CE ENEC



MSM Code	Thread Size	Inside Depth (mm)
GRFT-119	1/2"	42
GRFT-219	3/4"	
GRFT-129	1/2"	62
GRFT-229	3/4"	
GRFT-329	1"	
GRFT-139	1/2"	82
GRFT-239	3/4"	
GRFT-339	1"	

CAST IRON JUNCTION BOXES - GS-... TYPES

"GSC" CAST IRON JUNCTION BOX

CE ENEC



Code (No Fix.Elem.)	Code (With a Fix.Elem.)	Thread Size	Inner Diameter (mm)
GSC-110	GSC-119	1/2"	90
GSC-210	GSC-219	3/4"	
GSC-310	GSC-319	1"	
GSC-410	---	1 1/4"	
GSC-510	---	1 1/2"	
GSC-610	---	2"	122
GSC-120	GSC-129	1/2"	
GSC-220	GSC-229	3/4"	
GSC-320	GSC-329	1"	

"GST" CAST IRON JUNC. BOX - WITH/WITHOUT A FIXING ELEMENT

CE ENEC



Code (No Fix.Elem.)	Code (With a Fix.Elem.)	Thread Size	Inner Diameter (mm)
GST-110	GST-119	1/2"	90
GST-210	GST-219	3/4"	
GST-310	GST-319	1"	
GST-410	---	1 1/4"	
GST-510	---	1 1/2"	
GST-610	---	2"	122
GST-120	GST-129	1/2"	
GST-220	GST-229	3/4"	
GST-320	GST-329	1"	

"GS" CAST IRON JUNC. BOX - WITH/WITHOUT A FIXING ELEMENT

CE ENEC



Code (No Fix.Elem.)	Code (With a Fix.Elem.)	Thread Size	Inner Diameter (mm)
GS-110	GS-119	1/2"	90
GS-210	GS-219	3/4"	
GS-310	GS-319	1"	
GS-410	---	1 1/4"	
GS-510	---	1 1/2"	
GS-610	---	2"	122
GS-120	GS-129	1/2"	
GS-220	GS-229	3/4"	
GS-320	GS-329	1"	

"GRFL" CAST IRON JUNCTION BOX

CE ENEC



MSM Code	Thread Size	Inside Depth (mm)
GRFL-119	1/2"	42
GRFL-219	3/4"	
GRFL-129	1/2"	62
GRFL-229	3/4"	
GRFL-329	1"	
GRFL-139	1/2"	82
GRFL-239	3/4"	
GRFL-339	1"	

"GRFX" CAST IRON JUNCTION BOX

CE ENEC



MSM Code	Thread Size	Inside Depth (mm)
GRFX-119	1/2"	42
GRFX-219	3/4"	
GRFX-129	1/2"	62
GRFX-229	3/4"	
GRFX-329	1"	
GRFX-139	1/2"	82
GRFX-239	3/4"	
GRFX-339	1"	

"GSL" CAST IRON JUNC. BOX - WITH/WITHOUT A FIXING ELEMENT

CE ENEC



Code (No Fix.Elem.)	Code (With a Fix.Elem.)	Thread Size	Inner Diameter (mm)
GSL-110	GSL-119	1/2"	90
GSL-210	GSL-219	3/4"	
GSL-310	GSL-319	1"	
GSL-410	---	1 1/4"	
GSL-510	---	1 1/2"	
GSL-610	---	2"	122
GSL-120	GSL-129	1/2"	
GSL-220	GSL-229	3/4"	
GSL-320	GSL-329	1"	

"GSX" CAST IRON JUNC. BOX - WITH/WITHOUT A FIXING ELEMENT

CE ENEC



Code (No Fix.Elem.)	Code (With a Fix.Elem.)	Thread Size	Inner Diameter (mm)
GSX-110	GSX-119	1/2"	90
GSX-210	GSX-219	3/4"	
GSX-310	GSX-319	1"	
GSX-410	---	1 1/4"	
GSX-510	---	1 1/2"	
GSX-610	---	2"	122
GSX-120	GSX-129	1/2"	
GSX-220	GSX-229	3/4"	
GSX-320	GSX-329	1"	

GENERAL NOTES:

- All materials produced cast iron and electro-galvanized coated.
- The depth of all "GS" junction boxes is 52 mm.
- The diameter of all "GRF" junction boxes is 116 mm.
- The products on pages 41 and 42 are produced in accordance with the iron and steel enterprises specifications.
- The standard size of fittings is up to 4", bigger sizes up to 6" can be produced upon request.
- All boxes with covers have different types of outlets. A required type of outlet thread can be produced upon request.
- Some items on this page having a GAS thread type can also be produced with Pg, metric or NPT thread type.

CONDULET TYPE "C"

CE CE EAC



MSM Code	Thread Size	Material
SD-C-G1	1/2"	Cast Iron+El.-Galv.Coat.
SD-C-G2	3/4"	Cast Iron+El.-Galv.Coat.
SD-C-G3	1"	Cast Iron+El.-Galv.Coat.
SD-C-G4	1 1/4"	Cast Iron+El.-Galv.Coat.
SD-C-G5	1 1/2"	Cast Iron+El.-Galv.Coat.
SD-C-G6	2"	Cast Iron+El.-Galv.Coat.
SD-C-G7	2 1/2"	Cast Iron+El.-Galv.Coat.
SD-C-G8	3"	Cast Iron+El.-Galv.Coat.
SD-C-G9	4"	Cast Iron+El.-Galv.Coat.

CONDULET TYPE "T"

CE CE EAC



MSM Code	Thread Size	Material
SD-T-G1	1/2"	Cast Iron+El.-Galv.Coat.
SD-T-G2	3/4"	Cast Iron+El.-Galv.Coat.
SD-T-G3	1"	Cast Iron+El.-Galv.Coat.
SD-T-G4	1 1/4"	Cast Iron+El.-Galv.Coat.
SD-T-G5	1 1/2"	Cast Iron+El.-Galv.Coat.
SD-T-G6	2"	Cast Iron+El.-Galv.Coat.
SD-T-G7	2 1/2"	Cast Iron+El.-Galv.Coat.
SD-T-G8	3"	Cast Iron+El.-Galv.Coat.
SD-T-G9	4"	Cast Iron+El.-Galv.Coat.

CONDULET TYPE "X"

CE CE EAC



MSM Code	Thread Size	Material
SD-X-G1	1/2"	Cast Iron+El.-Galv.Coat.
SD-X-G2	3/4"	Cast Iron+El.-Galv.Coat.
SD-X-G3	1"	Cast Iron+El.-Galv.Coat.
SD-X-G4	1 1/4"	Cast Iron+El.-Galv.Coat.
SD-X-G5	1 1/2"	Cast Iron+El.-Galv.Coat.
SD-X-G6	2"	Cast Iron+El.-Galv.Coat.
SD-X-G7	2 1/2"	Cast Iron+El.-Galv.Coat.
SD-X-G8	3"	Cast Iron+El.-Galv.Coat.
SD-X-G9	4"	Cast Iron+El.-Galv.Coat.

CONDULET TYPE "LB"

CE CE EAC



MSM Code	Thread Size	Material
SD-LB-G1	1/2"	Cast Iron+El.-Galv.Coat.
SD-LB-G2	3/4"	Cast Iron+El.-Galv.Coat.
SD-LB-G3	1"	Cast Iron+El.-Galv.Coat.
SD-LB-G4	1 1/4"	Cast Iron+El.-Galv.Coat.
SD-LB-G5	1 1/2"	Cast Iron+El.-Galv.Coat.
SD-LB-G6	2"	Cast Iron+El.-Galv.Coat.
SD-LB-G7	2 1/2"	Cast Iron+El.-Galv.Coat.
SD-LB-G8	3"	Cast Iron+El.-Galv.Coat.
SD-LB-G9	4"	Cast Iron+El.-Galv.Coat.

CONDULET TYPE "LL"

CE CE EAC



MSM Code	Thread Size	Material
SD-LL-G1	1/2"	Cast Iron+El.-Galv.Coat.
SD-LL-G2	3/4"	Cast Iron+El.-Galv.Coat.
SD-LL-G3	1"	Cast Iron+El.-Galv.Coat.
SD-LL-G4	1 1/4"	Cast Iron+El.-Galv.Coat.
SD-LL-G5	1 1/2"	Cast Iron+El.-Galv.Coat.
SD-LL-G6	2"	Cast Iron+El.-Galv.Coat.
SD-LL-G7	2 1/2"	Cast Iron+El.-Galv.Coat.
SD-LL-G8	3"	Cast Iron+El.-Galv.Coat.
SD-LL-G9	4"	Cast Iron+El.-Galv.Coat.

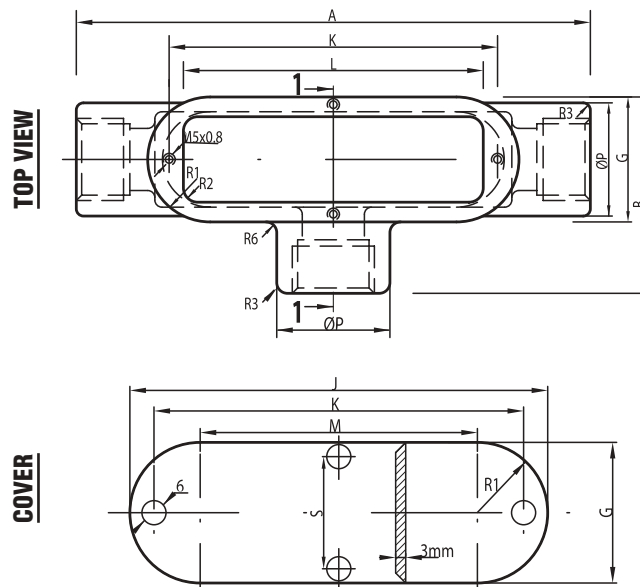
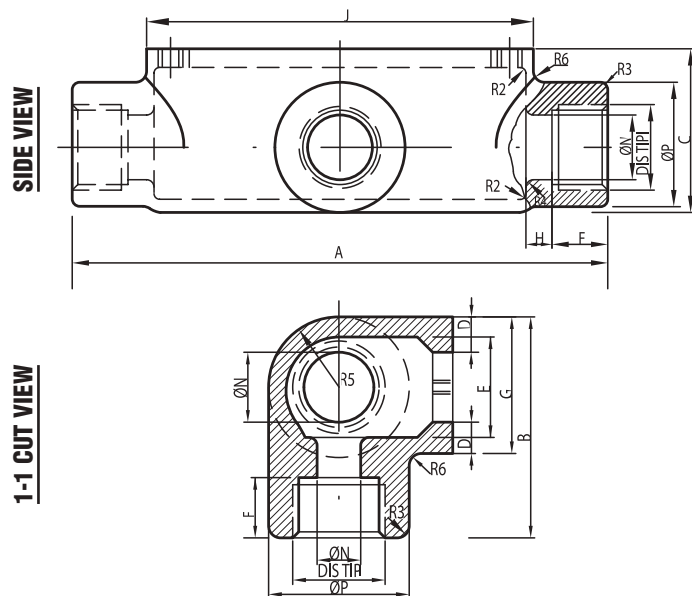
CONDULET TYPE "LR"

CE CE EAC



MSM Code	Thread Size	Material
SD-LR-G1	1/2"	Cast Iron+El.-Galv.Coat.
SD-LR-G2	3/4"	Cast Iron+El.-Galv.Coat.
SD-LR-G3	1"	Cast Iron+El.-Galv.Coat.
SD-LR-G4	1 1/4"	Cast Iron+El.-Galv.Coat.
SD-LR-G5	1 1/2"	Cast Iron+El.-Galv.Coat.
SD-LR-G6	2"	Cast Iron+El.-Galv.Coat.
SD-LR-G7	2 1/2"	Cast Iron+El.-Galv.Coat.
SD-LR-G8	3"	Cast Iron+El.-Galv.Coat.
SD-LR-G9	4"	Cast Iron+El.-Galv.Coat.

"T" TYPE SIZES



MSM Code	Thread Size	Material	Sizes (mm)																					
			A	B	C	D	E	F	G	H	J	K	L	M	N	P	R1	R2	R3	R4	R5	R6	S	T
SD-T-G1	1/2"	Cast Iron+El.-Galv.Coat.	144	55	44	5	28	15	35	7	104	92	84	69	17,4	31	17,5	5	2	2	-	4	-	-
SD-T-G2	3/4"	Cast Iron+El.-Galv.Coat.	160	59	51	5	33	15	40	7	120	110	100	80	20,0	40	20,0	5	2	2	-	4	-	-
SD-T-G3	1"	Cast Iron+El.-Galv.Coat.	186	67	57	5	38	18	45	9	143	127	116	98	22,5	46	22,5	9	2	2	-	5	-	-
SD-T-G4	1 1/4"	Cast Iron+El.-Galv.Coat.	216	80	67	5	48	18	56	11	168	148	135	112	28,0	52	28,0	9	2	2	-	5	-	-
SD-T-G5	1 1/2"	Cast Iron+El.-Galv.Coat.	263	102	71	8	62	18	70	12	200	181	165	130	35,0	62	35,0	40	4	-	30	6	55	43
SD-T-G6	2"	Cast Iron+El.-Galv.Coat.	311	127	90	9,5	86	18	95	12	248	232	217	153	47,5	75	47,5	47	4	-	40	6	81	66
SD-T-G7	3"	Cast Iron+El.-Galv.Coat.	397	170	122	10	11	22	127	22	311	292	276	184	63,5	109	63,5	50	5	-	55	12	112	97
SD-T-G8	4"	Cast Iron+El.-Galv.Coat.	466	211	161	10	142	52	154	11	350	313	304	222	77,5	132	77,5	67	5	-	75	15	125	110

CAST ALUMINUM JUNCTION BOX

IP67

TSE CE EAC

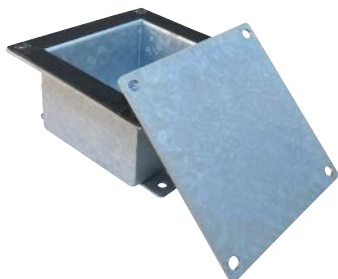


- Certified by TSE, GOST-R, EAC and CE.
- Made of Cast Aluminum.
- Electrostatic painted in RAL 7040 color.
- Connector, rail, terminal strip etc. can be mounted upon request.

MSM Code	Size WxLxH (mm)	Wall Thickness (mm)	Quantity per Package (pcs)
MAB-01	72x72x57	3,1	20
MAB-02	80x80x60	3,1	15
MAB-03	80x80x73	3,1	9
MAB-04	72x142x57	3,1	20
MAB-05	80x130x60	3,1	10
MAB-06	100x100x73	3,1	6
MAB-07	100x100x80	3,2	18
MAB-08	100x130x80	3,2	10
MAB-09	130x130x90	3,2	20
MAB-10	130x190x90	3,2	15
MAB-11	130x230x90	3,2	14
MAB-12	160x160x90	3,2	20
MAB-13	170x190x90	3,2	12
MAB-14	190x250x90	3,2	8
MAB-15	190x350x90	3,2	7
MAB-16	230x280x110	3,2	4
MAB-17	250x250x110	3,2	4
MAB-18	310x400x140	3,2	1

METAL SHEET JUNCTION BOX - HEAVY DUTY

CE EAC



- Conforms to ERENCO standards. Hot-dip galvanized coating is also available.
- The number and size of knockouts can be specified by a customer.
- The gap between the box and the cover is sealed with neoprene.
- Comes with at least 4 mounting flanges.
- M8 brass bolts are used in the corners of the box.

Commemorative Type	Size WxLxH (mm)	Flange (mm)	Wall Thickness (mm)
A	200x150x150	30	3
A1	200x200x200	30	3
B	300x200x200	30	3
B1	300x300x300	30	3
C	450x300x300	30	3
C1	450x400x400	30	3
D	600x300x300	50	3
D1	600x400x400	50	4
D2	600x600x600	50	4
E	800x700x400	50	4
F	1000x450x350	50	4
F1	1000x600x350	50	4
F2	1000x700x500	50	4
F3	1000x800x800	50	4

SWITCH & SOCKET METAL BOX / MONO TYPE (72x72x50mm)

CE EAC

APK-01



- Certified by GOST-R, EAC and CE.
- Made of galvanized sheet. (0,8mm)
- Has a grounding screw in box.
- There are blast holes on;
 - Side surfaces; 2 pcs 1/2" (Ø21mm), 2 pcs 3/4" (Ø26mm),
 - Bottom surface; 1 pc 1/2" (Ø21mm).

(*)

SWITCH & SOCKET METAL BOX / DUAL TYPE (144x72x50mm)

CE EAC

APK-02



- Certified by GOST-R, EAC and CE.
- Made of galvanized sheet. (0,8mm)
- Has a grounding screw in box.
- There are blast holes on;
 - Side surfaces; 4 pcs 1/2" (Ø21mm), 4 pcs 3/4" (Ø26mm),
 - Bottom surface; 2 pcs 1/2" (Ø21mm), 1 pc 3/4" (Ø26mm).

(*)

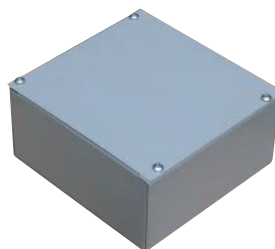
NOTES:

- Hole sizes are suitable for EMT, IMC and RSC type galvanized conduits.
- A connector is required for EMT conduit connection for these boxes.
- Upon request, it can be produced in special sizes and electrostatic paint in the required RAL ... color.
- In standard production, the upper mounting lugs are suitable for the installation of EUROPEAN standard local Switch & Socket types (especially Legrand brand).

GALVANIZED METAL SHEET JUNCTION BOX

IP44

CE EAC



- Certified by GOST-R, EAC and CE.
- Made of Galvanized Metal Sheet.
- Can be painted in any required color with electrostatic paint.
- Connector, rail, terminal strip etc. can be mounted upon request.
- The number and size of knockouts can be specified by a customer.

(*)

MSM Code	Size WxLxH (mm)	Flange (mm)	Wall Thickness (mm)
GBK-01	70x70x50	10	1,00
GBK-02	80x80x60	10	1,00
GBK-03	70x110x60	10	1,00
GBK-04	70x150x60	10	1,00
GBK-05	80x130x60	10	1,00
GBK-06	80x170x70	10	1,00
GBK-07	100x100x80	10	1,00
GBK-08	100x130x80	10	1,00
GBK-09	130x130x90	15	1,50
GBK-10	130x190x90	15	1,50
GBK-11	130x230x90	15	1,50
GBK-12	160x160x90	15	1,50
GBK-13	170x190x90	15	1,50
GBK-14	190x250x90	20	2,00

(*) In these type of boxes, custom manufacturing can be made in required sizes and thickness, holes can be opened.

Flexible Steel Conduits & General Acces. Series



- ◆ Tin-Plated Flexible Steel Conduits
- ◆ Flexible Conduit Connectors For Indoor Use
- ◆ Galvanized Flexible Steel Conduits
- ◆ Flexible Conduit Connectors For Outdoor Use
- ◆ Silok Type Conduit & Cable Glands
- ◆ Liquidtight Conduit Connectors For Outdoor Use

- ◆ Flexible Steel Conduits
- ◆ Flexible Steel Conduit Connectors
- ◆ Flexible Steel Conduit Accessories
- ◆ Armoured/Unarmoured Metal Cable Glands
- ◆ Etanj Metal Cable Glands and Accessories
- ◆ Brass Metal Cable Glands

PVC COATED FLEXIBLE STEEL CONDUIT

CE PG EAC



(GRAY-BLACK) -40°C / +70°C

- Certified by CE, GOST-R and EAC.
- Flexible metal conduit made of tin plate, PVC insulation coated.
- $\pm 10\%$ tolerance of especially bigger sizes of inside and outside diameters.
- The standard color is black, any other color is available upon request.
- Especially used indoors, for mechanical cable protection in cable installation.

MSM Code	Size	Inside Diameter (mm)	Outside Diameter (mm)	Meters Per Roll (mt)
MYN-09	1/4"	9	12	50
MYN-11	3/8"	11	15	50
MYN-14	1/2"	14	18	50
MYN-18	3/4"	18	22	50
MYN-26	1"	26	30	25
MYN-29	1 1/4"	29	36	25
MYN-36	1 1/2"	36	42	25
MYN-48	2"	51	55	25
MYN-63	2 1/2"	64	74	25
MYN-75	3"	74	84	15
MYN-100	4"	94	104	10

HALOGEN-FREE COATED FLEXIBLE STEEL CONDUIT

CE PG EAC TUR CERT



(WHITE) -40°C / +70°C

- Certified by CE, GOST-R and EAC.
- It has approved test certificate by TÜRCERT.
- Flexible metal conduit made of tin plate, halogen-free insulation coated.
- $\pm 10\%$ tolerance of especially bigger sizes of inside and outside diameters.
- The standard color is white, any other color is available upon request.
- Especially used indoors, for cable installation in social facilities (schools, hospitals, shopping malls etc.).

MSM Code	Size	Inside Diameter (mm)	Outside Diameter (mm)	Meters Per Roll (mt)
MNH-10	1/4"	10	14	50
MNH-13	3/8"	13	17	50
MNH-16	1/2"	16	21	50
MNH-21	3/4"	21	26	50
MNH-26	1"	26	32	25
MNH-35	1 1/4"	35	41	25
MNH-40	1 1/2"	40	47	25
MNH-52	2"	52	59	25
MNH-63	2 1/2"	63	72	25
MNH-78	3"	78	88	15
MNH-102	4"	102	112	10

FLEXIBLE STEEL CONDUIT WITHOUT PVC COATING

CE PG EAC



-40°C / +200°C

- Certified by CE, GOST-R and EAC.
- Flexible metal conduit made of tin plate.
- $\pm 10\%$ tolerance of especially bigger sizes of inside and outside diameters.
- Especially used indoors, for mechanic cable protection in cable installation in humid-free environments.

MSM Code	Size	Inside Diameter (mm)	Outside Diameter (mm)	Meters Per Roll (mt)
MYS-09	1/4"	9	11	50
MYS-11	3/8"	11	14	50
MYS-14	1/2"	14	17	50
MYS-18	3/4"	18	21	50
MYS-26	1"	26	29	25
MYS-29	1 1/4"	29	35	25
MYS-36	1 1/2"	36	41	25
MYS-48	2"	51	54	25
MYS-63	2 1/2"	64	73	25
MYS-75	3"	74	83	15
MYS-100	4"	94	103	10

STEEL WIRE BRAIDED FLEX. STEEL COND. WITH/WITHOUT PVC COATING

CE PG EAC



⊛

- Certified by CE, GOST-R and EAC.
- The inside construction is made of PVC coated tin plate, the outside part is steel wire braiding.
- The wire braiding can be made of stainless steel if required.
- The inside construction can be made of tin plate without PVC coating if required.
- Especially used to protect the cable from electromagnetic fields.

Galvanized Braiding Code	Stainless Steel Braiding Code	With. PVC Coat. Galv. Braid. Code	Size	Inside Dia. (mm)	Outside Dia. (mm)
MYNG-09	MYNP-09	MYSG-09	1/4"	9	14
MYNG-11	MYNP-11	MYSG-11	3/8"	11	17
MYNG-14	MYNP-14	MYSG-14	1/2"	14	20
MYNG-18	MYNP-18	MYSG-18	3/4"	18	24
MYNG-26	MYNP-26	MYSG-26	1"	26	32
MYNG-29	MYNP-29	MYSG-29	1 1/4"	29	38
MYNG-36	MYNP-36	MYSG-36	1 1/2"	36	44
MYNG-48	MYNP-48	MYSG-48	2"	51	57
MYNG-63	MYNP-63	MYSG-63	2 1/2"	64	76
MYNG-75	MYNP-75	MYSG-75	3"	74	86
MYNG-100	MYNP-100	MYSG-100	4"	94	106

⊛ Ambient temperature of MYNG, MYNP type conduits is: -40°C / + 150°C, for MYSG type conduits: -100°C / + 250°C.

STRAIGHT THREAD METAL CONNECTOR / MALE TYPE IP44

CE PG EAC



- Certified by CE, GOST-R and EAC.
- Made of Brass with a nickel coating over it.
- Can also be produced with a required conduit female thread type.
- Protection level up to IP-54 when used with a suitable gasket (O-ring).
- NPT thread type and any desired thread size available upon request.

LOCAL MEASUREMENTS

Gas Code	Gas Type Size	Metric Code	Metric Type Size	Pg Code	Pg Type Size	Suitable Fl. Cond. Type
PSR-G1	1/4"	PSR-M1	M12x1,5	PSR-P2	Pg9	MY...-09
PSR-G2	3/8"	PSR-M2	M16x1,5	PSR-P3	Pg11	MY...-11
PSR-G3	1/2"	PSR-M3	M20x1,5	PSR-P4/P5	Pg13,5/16	MY...-14
PSR-G4	3/4"	PSR-M4	M25x1,5	PSR-P6	Pg21	MY...-18
PSR-G5	1"	PSR-M5	M32x1,5	PSR-P7	Pg29	MY...-26
PSR-G6	1 1/4"	PSR-M6	M40x1,5	PSR-P8	Pg36	MY...-29
PSR-G7	1 1/2"	PSR-M7	M50x1,5	PSR-P9	Pg42	MY...-36
PSR-G8	2"	PSR-M8	M63x1,5	PSR-P10	Pg48	MY...-48
PSR-G9	2 1/2"	PSR-M9	M75x1,5	---	---	MY...-63
PSR-G10	3"	PSR-M10	M80x1,5	---	---	MY...-75
PSR-G11	4"	PSR-M11	M90x1,5	---	---	MY...-100

SWIVEL THREAD METAL CONNECTOR / MALE TYPE IP44

CE PG EAC



- Certified by CE, GOST-R and EAC.
- Made of Brass with a nickel coating over it.
- Can also be produced with a required conduit female thread type.
- Protection level up to IP-54 when used with a suitable gasket (O-ring).
- NPT thread type and any desired thread size available upon request.

LOCAL MEASUREMENTS

Gas Code	Gas Type Size	Metric Code	Metric Type Size	Pg Code	Pg Type Size	Suitable Fl. Cond. Type
PDR-G1	1/4"	PDR-M1	M12x1,5	PDR-P2	Pg9	MY...-09
PDR-G2	3/8"	PDR-M2	M16x1,5	PDR-P3	Pg11	MY...-11
PDR-G3	1/2"	PDR-M3	M20x1,5	PDR-P4/P5	Pg13,5/16	MY...-14
PDR-G4	3/4"	PDR-M4	M25x1,5	PDR-P6	Pg21	MY...-18
PDR-G5	1"	PDR-M5	M32x1,5	PDR-P7	Pg29	MY...-26
PDR-G6	1 1/4"	PDR-M6	M40x1,5	PDR-P8	Pg36	MY...-29
PDR-G7	1 1/2"	PDR-M7	M50x1,5	PDR-P9	Pg42	MY...-36
PDR-G8	2"	PDR-M8	M63x1,5	PDR-P10	Pg48	MY...-48
PDR-G9	2 1/2"	PDR-M9	M75x1,5	---	---	MY...-63
PDR-G10	3"	PDR-M10	M80x1,5	---	---	MY...-75
PDR-G11	4"	PDR-M11	M90x1,5	---	---	MY...-100

STRAIGHT THREAD METAL CONNECTOR / MALE TYPE IP44

CE PG EAC



- Certified by CE, GOST-R and EAC.
- Made of Brass with a nickel coating over it.
- Can also be produced with a required conduit female thread type.
- Protection level up to IP-54 when used with a suitable gasket (O-ring).
- NPT thread type and any desired thread size available upon request.

IMPORT MEASUREMENTS

Gas Code	Gas Type Size	Metric Code	Metric Type Size	Pg Code	Pg Type Size	Suitable Fl. Cond. Type
ESR-G1	1/4"	ESR-M1	M12x1,5	ESR-P2	Pg9	MN...-10
ESR-G2	3/8"	ESR-M2	M16x1,5	ESR-P3	Pg11	MN...-13
ESR-G3	1/2"	ESR-M3	M20x1,5	ESR-P4/P5	Pg13,5/16	MN...-16
ESR-G4	3/4"	ESR-M4	M25x1,5	ESR-P6	Pg21	MN...-21
ESR-G5	1"	ESR-M5	M32x1,5	ESR-P7	Pg29	MN...-26
ESR-G6	1 1/4"	ESR-M6	M40x1,5	ESR-P8	Pg36	MN...-35
ESR-G7	1 1/2"	ESR-M7	M50x1,5	ESR-P9	Pg42	MN...-40
ESR-G8	2"	ESR-M8	M63x1,5	ESR-P10	Pg48	MN...-52
ESR-G9	2 1/2"	ESR-M9	M75x1,5	---	---	MN...-63
ESR-G10	3"	ESR-M10	M80x1,5	---	---	MN...-78
ESR-G11	4"	ESR-M11	M90x1,5	---	---	MN...-102

SWIVEL THREAD METAL CONNECTOR / MALE TYPE IP44

CE PG EAC



- Certified by CE, GOST-R and EAC.
- Made of Brass with a nickel coating over it.
- Can also be produced with a required conduit female thread type.
- Protection level up to IP-54 when used with a suitable gasket (O-ring).
- NPT thread type and any desired thread size available upon request.

IMPORT MEASUREMENTS

Gas Code	Gas Type Size	Metric Code	Metric Type Size	Pg Code	Pg Type Size	Suitable Fl. Cond. Type
EDR-G1	1/4"	EDR-M1	M12x1,5	EDR-P2	Pg9	MN...-10
EDR-G2	3/8"	EDR-M2	M16x1,5	EDR-P3	Pg11	MN...-13
EDR-G3	1/2"	EDR-M3	M20x1,5	EDR-P4/P5	Pg13,5/16	MN...-16
EDR-G4	3/4"	EDR-M4	M25x1,5	EDR-P6	Pg21	MN...-21
EDR-G5	1"	EDR-M5	M32x1,5	EDR-P7	Pg29	MN...-26
EDR-G6	1 1/4"	EDR-M6	M40x1,5	EDR-P8	Pg36	MN...-35
EDR-G7	1 1/2"	EDR-M7	M50x1,5	EDR-P9	Pg42	MN...-40
EDR-G8	2"	EDR-M8	M63x1,5	EDR-P10	Pg48	MN...-52
EDR-G9	2 1/2"	EDR-M9	M75x1,5	---	---	MN...-63
EDR-G10	3"	EDR-M10	M80x1,5	---	---	MN...-78
EDR-G11	4"	EDR-M11	M90x1,5	---	---	MN...-102

PVC COATED FLEXIBLE STEEL CONDUIT

CE EAC



(BLACK-GRAY) -40°C / +70°C

- Certified by CE, GOST-R and EAC.
- Flexible metal conduit made of galvanized sheet, PVC insulation coated.
- $\pm 10\%$ tolerance of especially bigger sizes of inside and outside diameters.
- The standard color is black, any other color is available upon request.
- Especially used indoors, in construction of social buildings, workshops, business centers and high-rise towers.

MSM Code	Size	Inside Diameter (mm)	Outside Diameter (mm)	Meters Per Roll (mt)
MNY-10	1/4"	10	14	50
MNY-13	3/8"	13	17	50
MNY-16	1/2"	16	21	50
MNY-21	3/4"	21	26	50
MNY-26	1"	26	32	25
MNY-35	1 1/4"	35	41	25
MNY-40	1 1/2"	40	47	25
MNY-52	2"	52	59	25
MNY-63	2 1/2"	63	72	25
MNY-78	3"	78	88	15
MNY-102	4"	102	112	10

LIQUID-TIGHT TYPE FLEXIBLE STEEL CONDUIT

CE EAC



(BLACK-GRAY) -40°C / +70°C

- Certified by CE, GOST-R and EAC.
- The inside surface is made galvanized steel, the outside part is PVC coated.
- Considering heavy duty service conditions it is recommended to use it with B.. type connectors.
- There is a cord inserted in the conduit in order to increase its bending durability.
- Due to its acid, oil and water resistance it is especially used in construction of industrial facilities, suitable for outside use.

MSM Standard Code	MSM Economic Code	Size	Inside Dia. (mm)	Outside Dia. (mm)	Meters Per Roll (mt)
MLY-10	MLY-10.E	1/4"	10	14	30
MLY-13	MLY-13.E	3/8"	13	17	30
MLY-16	MLY-16.E	1/2"	16	21	30
MLY-21	MLY-21.E	3/4"	21	26	30
MLY-26	MLY-26.E	1"	26	32	30
MLY-35	MLY-35.E	1 1/4"	35	41	15
MLY-40	MLY-40.E	1 1/2"	40	47	15
MLY-52	MLY-52.E	2"	52	59	15
MLY-63	MLY-63.E	2 1/2"	63	72	15
MLY-78	MLY-78.E	3"	78	88	7,5
MLY-102	MLY-102.E	4"	102	112	7,5

FLEXIBLE STEEL CONDUIT WITHOUT PVC COATING

TSE CE EAC



-40°C / +250°C

- Certified by TSE, CE, GOST-R and EAC.
- Flexible metal conduit made of galvanized sheet.
- $\pm 10\%$ tolerance of especially bigger sizes of inside and outside diameters.
- Especially used indoors, in construction of social buildings, workshops,

Galvanized Code	Stainless Steel Code	Size	Inside Dia. (mm)	Outside Dia. (mm)	Meters Per Roll (mt)
MNS-10	MNP-10	1/4"	10	13	50
MNS-13	MNP-13	3/8"	13	16	50
MNS-16	MNP-16	1/2"	16	20	50
MNS-21	MNP-21	3/4"	21	25	50
MNS-26	MNP-26	1"	26	31	25
MNS-35	MNP-35	1 1/4"	35	40	25
MNS-40	MNP-40	1 1/2"	40	46	25
MNS-52	MNP-52	2"	52	58	25
MNS-63	MNP-63	2 1/2"	63	71	25
MNS-78	MNP-78	3"	78	86	15
MNS-102	MNP-102	4"	102	109	10

STEEL WIRE BRAIDED FLEX. STEEL COND. WITH/WITHOUT PVC COATING

CE EAC



(*)

- Certified by CE, GOST-R and EAC.
- The inside construction is made of PVC coated galvanized sheet, the outside part is steel wire braiding.
- The wire braiding can be made of stainless steel if required.
- The inside construction can be made of galvanized sheet without PVC coating if required.

Galvanized Braiding Code	Stainless Steel Braiding Code	Without PVC Coat. Galv. Braid. Code	Size	Inside Dia. (mm)	Outside Dia. (mm)
MNYG-10	MNYP-10	MNSG-10	1/4"	10	16
MNYG-13	MNYP-13	MNSG-13	3/8"	13	19
MNYG-16	MNYP-16	MNSG-16	1/2"	16	23
MNYG-21	MNYP-21	MNSG-21	3/4"	21	28
MNYG-26	MNYP-26	MNSG-26	1"	26	34
MNYG-35	MNYP-35	MNSG-35	1 1/4"	35	43
MNYG-40	MNYP-40	MNSG-40	1 1/2"	40	49
MNYG-52	MNYP-52	MNSG-52	2"	52	61
MNYG-63	MNYP-63	MNSG-63	2 1/2"	63	74
MNYG-78	MNYP-78	MNSG-78	3"	78	90
MNYG-102	MNYP-102	MNSG-102	4"	102	114

(*) Ambient temperature of MNYG, MNYP type conduits is: -40°C / + 150°C, for MNSG type conduits: -100°C / + 250°C.

EXTERNAL TYPE STRAIGHT THREAD METAL CONNECTOR / MALE TYPE

IP 65

CE PG EAC



- Certified by CE, GOST-R and EAC.
- Made of Brass with a nickel coating over it.
- Protection level up to IP-68 when used with a suitable gasket (O-ring). Working temperature -40°C / +105°C.
- **NPT** thread type, any desired size and thread size available upon request.
- Can also be produced in metal with electro-galvanized coating.
- Especially used in construction of industrial buildings, workshops, ships etc. suitable for wet conditions and outdoor use.

Suitable Flexible Conduit Type	Gas Code	Gas Type Size	Metric Code	Metric Type Size	Pg Code	Pg Type Size
MN...ML.. 10	BMRY-G1	1/4"	BMRY-M1	M12x1,5	BMRY-P2	Pg 9
MN...ML.. 13	BMRY-G2	3/8"	BMRY-M2	M16x1,5	BMRY-P3	Pg 11
MN...ML.. 16	BMRY-G3	1/2"	BMRY-M3	M20x1,5	BMRY-P4/P5	Pg13,5/Pg16
MN...ML.. 21	BMRY-G4	3/4"	BMRY-M4	M25x1,5	BMRY-P6	Pg 21
MN...ML.. 26	BMRY-G5	1"	BMRY-M5	M32x1,5	BMRY-P7	Pg 29
MN...ML..35	BMRY-G6	1 1/4"	BMRY-M6	M40x1,5	BMRY-P8	Pg 36
MN...ML.. 40	BMRY-G7	1 1/2"	BMRY-M7	M50x1,5	BMRY-P9	Pg 42
MN...ML.. 52	BMRY-G8	2"	BMRY-M8	M63x1,5	BMRY-P10	Pg 48
MN...ML.. 63	BMRY-G9	2 1/2"	BMRY-M9	M75x1,5	---	---
MN...ML.. 78	BMRY-G10	3"	BMRY-M10	M80x1,5	---	---
MN...ML.. 102	BMRY-G11	4"	BMRY-M11	M90x1,5	---	---

EXTERNAL TYPE STRAIGHT THREAD METAL CONNECTOR / FEMALE TYPE

IP 65

CE PG EAC



- Certified by CE, GOST-R and EAC.
- Working temperature -40°C / +105°C.
- Made of Brass with a nickel coating over it.
- **NPT** thread type, any desired size and thread size available upon request.
- Can also be produced in metal with electro-galvanized coating.
- Especially used in construction of industrial buildings, workshops, ships, etc. suitable for wet conditions and outdoor use.

Suitable Flexible Conduit Type	Gas Code	Gas Type Size	Metric Code	Metric Type Size	Pg Code	Pg Type Size
MN...ML.. 10	BFRY-G1	1/4"	BFRY-M1	M12x1,5	BFRY-P2	Pg 9
MN...ML.. 13	BFRY-G2	3/8"	BFRY-M2	M16x1,5	BFRY-P3	Pg 11
MN...ML.. 16	BFRY-G3	1/2"	BFRY-M3	M20x1,5	BFRY-P4/P5	Pg13,5/Pg16
MN...ML.. 21	BFRY-G4	3/4"	BFRY-M4	M25x1,5	BFRY-P6	Pg 21
MN...ML.. 26	BFRY-G5	1"	BFRY-M5	M32x1,5	BFRY-P7	Pg 29
MN...ML..35	BFRY-G6	1 1/4"	BFRY-M6	M40x1,5	BFRY-P8	Pg 36
MN...ML.. 40	BFRY-G7	1 1/2"	BFRY-M7	M50x1,5	BFRY-P9	Pg 42
MN...ML.. 52	BFRY-G8	2"	BFRY-M8	M63x1,5	BFRY-P10	Pg 48
MN...ML.. 63	BFRY-G9	2 1/2"	BFRY-M9	M75x1,5	---	---
MN...ML.. 78	BFRY-G10	3"	BFRY-M10	M80x1,5	---	---
MN...ML.. 102	BFRY-G11	4"	BFRY-M11	M90x1,5	---	---

EXTERNAL TYPE SWIVEL THREAD METAL CONNECTOR / MALE TYPE

IP 65

CE PG EAC



- Certified by CE, GOST-R and EAC.
- Working temperature -40°C / +105°C.
- Made of Brass with a nickel coating over it.
- Plastic sleeve inside the connector protects the cable against wearing out.
- Protection level up to IP-68 when used with a suitable gasket (O-ring).
- **NPT** thread type, special sizes and thread sizes are available upon request.

Suitable Flexible Conduit Type	Gas Code	Gas Type Size	Metric Code	Metric Type Size	Pg Code	Pg Type Size
MN...ML.. 10	DMRY-G1	1/4"	DMRY-M1	M12x1,5	DMRY-P2	Pg 9
MN...ML.. 13	DMRY-G2	3/8"	DMRY-M2	M16x1,5	DMRY-P3	Pg 11
MN...ML.. 16	DMRY-G3	1/2"	DMRY-M3	M20x1,5	DMRY-P4/P5	Pg13,5/Pg16
MN...ML.. 21	DMRY-G4	3/4"	DMRY-M4	M25x1,5	DMRY-P6	Pg 21
MN...ML.. 26	DMRY-G5	1"	DMRY-M5	M32x1,5	DMRY-P7	Pg 29
MN...ML..35	DMRY-G6	1 1/4"	DMRY-M6	M40x1,5	DMRY-P8	Pg 36
MN...ML.. 40	DMRY-G7	1 1/2"	DMRY-M7	M50x1,5	DMRY-P9	Pg 42
MN...ML.. 52	DMRY-G8	2"	DMRY-M8	M63x1,5	DMRY-P10	Pg 48
MN...ML.. 63	DMRY-G9	2 1/2"	DMRY-M9	M75x1,5	---	---
MN...ML.. 78	DMRY-G10	3"	DMRY-M10	M80x1,5	---	---
MN...ML.. 102	DMRY-G11	4"	DMRY-M11	M90x1,5	---	---

EXTERNAL TYPE SWIVEL THREAD METAL CONNECTOR / FEMALE TYPE

IP 65

CE PG EAC



- Certified by CE, GOST-R and EAC.
- Working temperature -40°C / +105°C.
- Made of Brass with a nickel coating over it.
- **NPT** thread type, special sizes and thread sizes are available upon request.
- Especially used in construction of industrial buildings, workshops, ships, etc. suitable for wet conditions and outdoor use.

Suitable Flexible Conduit Type	Gas Code	Gas Type Size	Metric Code	Metric Type Size	Pg Code	Pg Type Size
MN...ML.. 10	DFRY-G1	1/4"	DFRY-M1	M12x1,5	DFRY-P2	Pg 9
MN...ML.. 13	DFRY-G2	3/8"	DFRY-M2	M16x1,5	DFRY-P3	Pg 11
MN...ML.. 16	DFRY-G3	1/2"	DFRY-M3	M20x1,5	DFRY-P4/P5	Pg13,5/Pg16
MN...ML.. 21	DFRY-G4	3/4"	DFRY-M4	M25x1,5	DFRY-P6	Pg 21
MN...ML.. 26	DFRY-G5	1"	DFRY-M5	M32x1,5	DFRY-P7	Pg 29
MN...ML..35	DFRY-G6	1 1/4"	DFRY-M6	M40x1,5	DFRY-P8	Pg 36
MN...ML.. 40	DFRY-G7	1 1/2"	DFRY-M7	M50x1,5	DFRY-P9	Pg 42
MN...ML.. 52	DFRY-G8	2"	DFRY-M8	M63x1,5	DFRY-P10	Pg 48
MN...ML.. 63	DFRY-G9	2 1/2"	DFRY-M9	M75x1,5	---	---
MN...ML.. 78	DFRY-G10	3"	DFRY-M10	M80x1,5	---	---
MN...ML.. 102	DFRY-G11	4"	DFRY-M11	M90x1,5	---	---

SILOK TYPE CABLE GLANDS

IP 68

CE PG EAC



- Certified by CE, GOST-R and EAC.
- Made of Brass, with a nickel coating over it.
- Protection level up to IP-68 when used with a suitable seal (O-ring).
- As attached to a flexible conduit serves as a cable connector thanks to the inside gasket.
- Generally used together with a connector protective cap and a grounding component (see page 56).
- The hole diameters specified in the lists are given adding ~2 mm to the thread diameters.
- Swivel threaded, female type featured of this type glands can also be manufactured.
- Besides the standard below-specified measurements special sizes and thread sizes can be manufactured if requested.
- Due to its double sealing the product is especially used in construction of industrial facilities and is suitable for use in wet and dusty conditions.

GAS THREAD TYPE

Gas Code	Suitable Flex. Cond. Type	Gas Type Size	Clamping Range (mm)	Hole Dia. (mm)	Nut Code
SLK-G1.G1	M..-10	1/4"	4÷8	14,0	KS-00
SLK-G2.G2	M..-13	3/8"	5÷10	18,0	KS-G0
SLK-G3.G3	M..-16	1/2"	6÷12	22,0	KS-G1
SLK-G4.G4	M..-21	3/4"	13÷18	27,5	KS-G2
SLK-G5.G5	M..-26	1"	18÷25	34,0	KS-G3
SLK-G6.G6	M..-35	1 1/4"	22÷32	43,0	KS-G4
SLK-G7.G7	M..-40	1 1/2"	30÷38	49,0	KS-G5
SLK-G8.G8	M..-52	2"	34÷44	61,0	KS-G6
SLK-G9.G9	M..-63	2 1/2"	48÷61	76,0	KS-G7
SLK-G10.G10	M..-75	3"	56÷72	89,0	KS-G8

NPT THREAD TYPE

NPT Code	Suitable Flex. Cond. Type	NPT Type Size	Clamping Range (mm)	Hole Dia. (mm)	Nut Code
SLK-G1.N1	M..-10	1/4"	4÷8	15,0	KS-00
SLK-G2.N2	M..-13	3/8"	5÷10	18,5	KS-N0
SLK-G3.N3	M..-16	1/2"	6÷12	22,5	KS-N1
SLK-G4.N4	M..-21	3/4"	13÷18	28,0	KS-N2
SLK-G5.N5	M..-26	1"	18÷25	34,5	KS-N3
SLK-G6.N6	M..-35	1 1/4"	22÷32	43,5	KS-N4
SLK-G7.N7	M..-40	1 1/2"	30÷38	49,5	KS-N5
SLK-G8.N8	M..-52	2"	34÷44	61,5	KS-N6
SLK-G9.N9	M..-63	2 1/2"	48÷61	74,0	KS-N7
SLK-G10.N10	M..-75	3"	56÷72	90,0	KS-N8

METRIC THREAD TYPE

Metric Code	Suitable Flex. Cond. Type	Metric Type Size	Clamping Range (mm)	Hole Dia. (mm)	Nut Code
SLK-G1.M1	M..-10	M12	4÷8	13,0	KS-M1
SLK-G2.M2	M..-13	M16	5÷10	17,0	KS-M2
SLK-G3.M3	M..-16	M20	6÷12	21,0	KS-M3
SLK-G4.M4	M..-21	M25	13÷18	26,0	KS-M4
SLK-G5.M5	M..-26	M32	18÷25	33,0	KS-M5
SLK-G6.M6	M..-35	M40	22÷32	41,0	KS-M6
SLK-G7.M7	M..-40	M50	30÷38	51,0	KS-M7
SLK-G8.M8	M..-52	M63	34÷44	64,0	KS-M8
SLK-G9.M9	M..-63	M72	48÷61	73,0	KS-M9

Pg THREAD TYPE

Pg Code	Suitable Flex. Cond. Type	Pg Type Size	Clamping Range (mm)	Hole Dia. (mm)	Nut Code
SLK-G1.P2	M..-10	Pg 9	4÷8	16,0	KS-P2
SLK-G2.P3	M..-13	Pg 11	5÷10	19,5	KS-P3
SLK-G3.P4	M..-16	Pg 13,5	6÷12	21,5	KS-P4
SLK-G3.P5	M..-16	Pg 16	6÷12	23,5	KS-P5
SLK-G4.P6	M..-21	Pg 21	13÷18	29,0	KS-P6
SLK-G5.P7	M..-26	Pg 29	18÷25	38,0	KS-P7
SLK-G6.P8	M..-35	Pg 36	22÷32	48,0	KS-P8
SLK-G7.P9	M..-40	Pg 42	30÷38	55,0	KS-P9
SLK-G8.P10	M..-52	Pg 48	34÷44	60,5	KS-P10

LIQUID-TIGHT MALE TYPE CONNECTOR / ZAMAK

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC, CE.
- Made of Zamak (Zinc die-cast).
- Has a steel nut mounted to it.
- Especially used outdoors, in liquid-tight types of conduits.

MSM Code	Suitable Flex. Cond. Type	Stock Code	NPT Type Size	Quantity per Package (pcs)	Package Weight (kg)
MF-500	M...-13	SLT-038I	3/8"	50	2,80
MF-501	M...-16	SLT-050I	1/2"	50	3,20
MF-502	M...-21	SLT-075I	3/4"	50	4,00
MF-503	M...-26	SLT-100I	1"	40	4,80
MF-504	M...-35	SLT-125I	1 1/4"	20	4,40
MF-505	M...-40	SLT-150I	1 1/2"	20	5,00
MF-506	M...-52	SLT-200I	2"	10	3,40

NOTE: These parts can be produced up to 4".

LIQUID-TIGHT MALE TYPE CONNECTOR / STEEL

EN EAC CE



- Certified by GOST-R, EAC, CE.
- Made of Galvanized Steel.
- Has a steel nut mounted to it.
- Especially used outdoors, in liquid-tight types of conduits.

MSM Code	Suitable Flex. Cond. Type	Stock Code	NPT Type Size	Quantity per Package (pcs)	Package Weight (kg)
MC-500	M...-13	SLT-038SI	3/8"	50	2,80
MC-501	M...-16	SLT-050SI	1/2"	50	3,20
MC-502	M...-21	SLT-075SI	3/4"	50	4,00
MC-503	M...-26	SLT-100SI	1"	40	4,80
MC-504	M...-35	SLT-125SI	1 1/4"	20	4,40
MC-505	M...-40	SLT-150SI	1 1/2"	20	5,00
MC-506	M...-52	SLT-200SI	2"	10	3,40

LIQUID-TIGHT GROUNDED MALE TYPE CONNECTOR / CAST IRON

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC, CE.
- Made of Cast Iron.
- Has a steel nut and a grounding component mounted to it.
- Especially used in grounded connections of liquid-tight types of conduits.

MSM Code	Suitable Flex. Cond. Type	Stock Code	NPT Type Size	Quantity per Package (pcs)	Package Weight (kg)
MD-510	M...-13	GSLT-038I	3/8"	50	3,20
MD-511	M...-16	GSLT-050I	1/2"	50	3,60
MD-512	M...-21	GSLT-075I	3/4"	50	4,60
MD-513	M...-26	GSLT-100I	1"	40	5,30
MD-514	M...-35	GSLT-125I	1 1/4"	20	4,90
MD-515	M...-40	GSLT-150I	1 1/2"	20	5,60
MD-516	M...-52	GSLT-200I	2"	10	3,80

90° LIQUID-TIGHT MALE TYPE CONNECTOR / ZAMAK

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC, CE.
- Made of Zamak (Zinc die-cast).
- Has a steel nut mounted to it.
- Especially used in 90° connections of liquid-tight types of conduits.

MSM Code	Suitable Flex. Cond. Type	Stock Code	NPT Type Size	Quantity per Package (pcs)	Package Weight (kg)
MF-540	M...-13	ALT-038I	3/8"	40	3,20
MF-541	M...-16	ALT-050I	1/2"	40	3,40
MF-542	M...-21	ALT-075I	3/4"	25	3,00
MF-543	M...-26	ALT-100I	1"	20	3,80
MF-544	M...-35	ALT-125I	1 1/4"	10	3,40
MF-545	M...-40	ALT-150I	1 1/2"	10	4,40
MF-546	M...-52	ALT-200I	2"	5	3,20

NOTE: These parts can be produced up to 4".

LIQUID-TIGHT MALE TYPE CONNECTOR / CAST IRON

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC, CE.
- Made of Cast Iron.
- Has a steel nut mounted to it.
- Especially used outdoors, in liquid-tight types of conduits.

MSM Code	Suitable Flex. Cond. Type	Stock Code	NPT Type Size	Quantity per Package (pcs)	Package Weight (kg)
MD-500	M...-13	SLT-038MI	3/8"	50	3,00
MD-501	M...-16	SLT-050MI	1/2"	50	3,40
MD-502	M...-21	SLT-075MI	3/4"	50	4,40
MD-503	M...-26	SLT-100MI	1"	40	5,10
MD-504	M...-35	SLT-125MI	1 1/4"	20	4,60
MD-505	M...-40	SLT-150MI	1 1/2"	20	5,30
MD-506	M...-52	SLT-200MI	2"	10	3,60

90° LIQUID-TIGHT GROUNDED MALE TYPE CONNECTOR / CAST IRON

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC, CE.
- Made of Cast Iron.
- Has a steel nut and a grounding component mounted to it.
- Especially used in grounded 90° connections of liquid-tight types of conduits.

MSM Code	Suitable Flex. Cond. Type	Stock Code	NPT Type Size	Quantity per Package (pcs)	Package Weight (kg)
MD-520	M...-13	GALT-03890I	3/8"	40	4,10
MD-521	M...-16	GALT-05090I	1/2"	40	4,30
MD-522	M...-21	GALT-07590I	3/4"	25	3,70
MD-523	M...-26	GALT-10090I	1"	20	4,80
MD-524	M...-35	GALT-12590I	1 1/4"	10	3,70
MD-525	M...-40	GALT-15090I	1 1/2"	10	4,30
MD-526	M...-52	GALT-20090I	2"	5	3,20

NPT THREAD MALE TYPE CONNECTOR / ZAMAK

IP67

CE PG EAC



- Made of Zamak (Zinc die-cast).
- Has a steel nut mounted to it.
- Used both indoors and outdoors, to connect flexible steel conduits to equipment or threaded coupling.

(*)

MSM Code	Suitable Flex. Cond. Type	Stock Code	NPT Type Size	Quantity per Package (pcs)	Package Weight (kg)
GMR-G2	M...-13	DPJ-038	1/2"	100	3,20
GMR-G3	M...-16	DPJ-050	1/2"	50	3,34
GMR-G4	M...-21	DPJ-075	3/4"	50	4,14
GMR-G5	M...-26	DPJ-100	1"	25	4,02
GMR-G6	M...-35	DPJ-125	1 1/4"	20	3,10
GMR-G7	M...-40	DPJ-150	1 1/2"	10	3,30
GMR-G8	M...-52	DPJ-200	2"	10	4,12
GMR-G9	M...-63	DPJ-250	2 1/2"	5	2,50
GMR-G10	M...-78	DPJ-300	3"	20	15,00
GMR-G11	M...-102	DPJ-400	4"	10	12,20

Pg THREAD MALE TYPE CONNECTOR / ZAMAK

IP67

CE PG EAC



- Made of Zamak (Zinc die-cast).
- Has a steel nut mounted to it.
- Used both indoors and outdoors, to connect flexible steel conduits to equipment or threaded coupling.

MSM Code	Suitable Flex. Cond. Type	Stock Code	Pg Type Size	Quantity per Package (pcs)	Package Weight (kg)
GMR-P2	M...-10	DPJ-014P	Pg 9	100	3,20
GMR-P3	M...-13	DPJ-038P	Pg 11	100	3,36
GMR-P4	M...-16	DPJ-050P	Pg 13,5	50	4,14
GMR-P5	M...-16	DPJ-050P	Pg 16	50	4,40
GMR-P6	M...-21	DPJ-075P	Pg 21	25	4,02
GMR-P7	M...-26	DPJ-100P	Pg 29	20	3,10
GMR-P8	M...-35	DPJ-125P	Pg 36	10	3,30
GMR-P9	M...-40	DPJ-150P	Pg 42	10	4,12
GMR-P10	M...-52	DPJ-200P	Pg 48	5	2,50

(*) Marked connectors are available up to 6".

45°NPT THREAD MALE TYPE CONNECTOR / ZAMAK

IP67

CE PG EAC



- Made of Zamak (Zinc die-cast).
- Has a steel nut mounted to it.
- Used both indoors and outdoors, in 45° connections of flexible steel conduits.

(*)

MSM Code	Suitable Flex. Cond. Type	Stock Code	NPT Type Size	Quantity per Package (pcs)	Package Weight (kg)
GMK-G2	M...-13	DNJ-038	1/2"	100	3,30
GMK-G3	M...-16	DNJ-050	1/2"	50	3,40
GMK-G4	M...-21	DNJ-075	3/4"	50	4,40
GMK-G5	M...-26	DNJ-100	1"	20	3,28
GMK-G6	M...-35	DNJ-125	1 1/4"	10	4,20
GMK-G7	M...-40	DNJ-150	1 1/2"	10	5,50
GMK-G8	M...-52	DNJ-200	2"	5	3,06

NPT THREAD FEMALE TYPE CONNECTOR / ZAMAK

IP67

CE PG EAC



- Made of Zamak (Zinc die-cast).
- Used both indoors and outdoors, to connect flexible steel conduits to equipment or threaded rigid conduit.

(*)

MSM Code	Suitable Flex. Cond. Type	Stock Code	NPT Type Size	Quantity per Package (pcs)	Package Weight (kg)
GFR-G2	M...-13	DPN-038	1/2"	100	3,20
GFR-G3	M...-16	DPN-050	1/2"	50	3,34
GFR-G4	M...-21	DPN-075	3/4"	50	4,14
GFR-G5	M...-26	DPN-100	1"	25	4,02
GFR-G6	M...-35	DPN-125	1 1/4"	20	3,10
GFR-G7	M...-40	DPN-150	1 1/2"	10	3,30
GFR-G8	M...-52	DPN-200	2"	10	4,12
GFR-G9	M...-63	DPN-250	2 1/2"	5	2,50
GFR-G10	M...-78	DPN-300	3"	20	15,00
GFR-G11	M...-102	DPN-400	4"	10	12,20

METRIC THREAD MALE TYPE CONNECTOR / ZAMAK

IP67

CE PG EAC



- Made of Zamak (Zinc die-cast).
- Has a steel nut mounted to it.
- Used both indoors and outdoors, to connect flexible steel conduits to equipment or threaded coupling.

MSM Code	Suitable Flex. Cond. Type	Stock Code	Metric Type Size	Quantity per Package (pcs)	Package Weight (kg)
GMR-M2	M...-13	DPJ-038M	M16x1,5	100	3,20
GMR-M3	M...-16	DPJ-050M	M20x1,5	50	3,34
GMR-M4	M...-21	DPJ-075M	M25x1,5	50	4,14
GMR-M5	M...-26	DPJ-100M	M32x1,5	25	4,02
GMR-M6	M...-35	DPJ-125M	M40x1,5	20	3,10
GMR-M7	M...-40	DPJ-150M	M50x1,5	10	3,30
GMR-M8	M...-52	DPJ-200M	M63x1,5	10	4,12
GMR-M9	M...-63	DPJ-250M	M75x1,5	25	16,00
GMR-M10	M...-78	DPJ-300M	M80x1,5	20	18,00
GMR-M11	M...-102	DPJ-400M	M90x1,5	10	16,00

90°NPT THREAD MALE TYPE CONNECTOR / ZAMAK

IP67

CE PG EAC



- Made of Zamak (Zinc die-cast).
- Has a steel nut mounted to it.
- Used both indoors and outdoors, in 90° connections of flexible steel conduits.

(*)

MSM Code	Suitable Flex. Cond. Type	Stock Code	NPT Type Size	Quantity per Package (pcs)	Package Weight (kg)
GMD-G2	M...-13	DWJ-038	1/2"	100	3,30
GMD-G3	M...-16	DWJ-050	1/2"	50	3,40
GMD-G4	M...-21	DWJ-075	3/4"	50	4,40
GMD-G5	M...-26	DWJ-100	1"	20	3,28
GMD-G6	M...-35	DWJ-125	1 1/4"	10	4,20
GMD-G7	M...-40	DWJ-150	1 1/2"	10	5,50
GMD-G8	M...-52	DWJ-200	2"	5	3,06

SCREW TYPE CONNECTOR / ZAMAK

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Zamak (zinc die-cast).
- Used to connect flexible steel conduits to equipment.

(*)

MSM Code	Suitable Flex. Cond. Type	Stock Code	Gas Type Size	Quantity per Package (pcs)	Package Weight (kg)
MS-501	M...-16	SSC-050	1/2"	100	2,60
MS-502	M...-21	SSC-075	3/4"	100	4,00
MS-503	M...-26	SSC-100	1"	50	3,40
MS-504	M...-35	SSC-125	1 1/4"	25	2,60
MS-505	M...-40	SSC-150	1 1/2"	25	3,25
MS-506	M...-52	SSC-200	2"	20	4,00

90° SCREW TYPE CONNECTOR / ZAMAK

UL ENEC EAC CE



- Certified by UL, GOST-R, EAC and CE.
- Made of Zamak (zinc die-cast).
- Used to connect flexible steel conduits to equipment at a 90° angle.

(*)

MSM Code	Suitable Flex. Cond. Type	Stock Code	Gas Type Size	Quantity per Package (pcs)	Package Weight (kg)
MS-541	M...-16	ASC-050	1/2"	50	3,00
MS-542	M...-21	ASC-075	3/4"	50	4,60
MS-543	M...-26	ASC-100	1"	25	3,80
MS-544	M...-35	ASC-125	1 1/4"	50	10,0
MS-545	M...-40	ASC-150	1 1/2"	20	10,0
MS-546	M...-52	ASC-200	2"	20	10,0

FLEXIBLE CONDUIT COUPLING / ZAMAK

EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Zamak (zinc die-cast).
- Used to connect flexible steel conduits.

MSM Code	Suitable Flex. Cond. Type	Stock Code	Gas Type Size	Quantity per Package (pcs)	Package Weight (kg)
MS-511	M...-16	XK-050	1/2"	100	3,00
MS-512	M...-21	XK-075	3/4"	100	3,40
MS-513	M...-26	XK-100	1"	50	2,40

COMPRESSION TYPE CONNECTOR / ZAMAK

EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Zamak (zinc die-cast).
- Used to connect flexible steel conduit to equipment.

MSM Code	Suitable Flex. Cond. Type	Stock Code	Gas Type Size	Quantity per Package (pcs)	Package Weight (kg)
MS-551	M...-16	XC-050	1/2"	100	3,00
MS-552	M...-21	XC-075	3/4"	100	3,40
MS-553	M...-26	XC-100	1"	50	2,40

FLEXIBLE STEEL CONDUIT COUPLING / WITH FERRULE TYPE

EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Zamak (zinc die-cast).
- Used in tightened connection of steel flexible conduits with each other.

MSM Code	Stock Code	Size	Suitable Flex. Cond. Type	Quantity per Package (pcs)
MS-591	DGJ-050	1/2"	M...-16	100
MS-592	DGJ-075	3/4"	M...-21	50
MS-593	DGJ-100	1"	M...-26	25
MS-594	DGJ-125	1 1/4"	M...-35	20
MS-595	DGJ-150	1 1/2"	M...-40	10
MS-596	DGJ-200	2"	M...-52	10
MS-597	DGJ-250	2 1/2"	M...-63	25
MS-598	DGJ-300	3"	M...-78	20
MS-599	DGJ-400	4"	M...-102	10

METAL FERRULE SLOTTED/ STRAIGHT THREAD TYPE (ENDING)

EAC CE



- Certified by GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Used in endings of flexible steel conduits with steel flexible conduit connection to connectors.

MSM Code Slotted Type	Stock Code Slotted Type	MSM Code Straight Thread Type	Stock Code Straight Thread Type	Size	Suitable Flex. Cond. Type
MS-560	MF-038	MS-570	LXYQ-038	3/8"	M...-13
MS-561	MF-050	MS-571	LXYQ-050	1/2"	M...-16
MS-562	MF-075	MS-572	LXYQ-075	3/4"	M...-21
MS-563	MF-100	MS-573	LXYQ-100	1"	M...-26
MS-564	MF-125	MS-574	LXYQ-125	1 1/4"	M...-35
MS-565	MF-150	MS-575	LXYQ-150	1 1/2"	M...-40
MS-566	MF-200	MS-576	LXYQ-200	2"	M...-52
MS-567	MF-250	MS-577	LXYQ-250	2 1/2"	M...-63
MS-568	MF-300	MS-578	LXYQ-300	3"	M...-78
MS-569	MF-400	MS-579	LXYQ-400	4"	M...-102
MS-570.1	MF-500	MS-580.1	LXYQ-500	5"	---
MS-570.2	MF-600	MS-580.2	LXYQ-600	6"	---

(*) Screw type fittings are available up to 4".

PVC COATED FLEXIBLE STEEL CONDUIT

CE RoHS BSEN



- Flexible metal conduit made of galvanized steel, PVC insulation coated.
- The PVC upper coating is dilute acid and oil resistant.
- Especially used indoors, in social building, business centers, workshops and high-rise towers.

(BLACK) -15°C / +70°C

MSM Code	Inside Diameter (mm)	Outside Diameter (mm)	Meters Per Piece
FSU-10	6,8	10,0	50
FSU-12	10,2	14,0	50
FSU-16	13,0	17,0	50
FSU-20	16,9	21,5	50
FSU-25	21,1	26,0	50
FSU-32	28,1	34,0	25
FSU-40	37,6	44,5	25
FSU-50	48,4	55,0	25
FSU-63	57,5	64,5	10
FSU-75	70,0	79,0	10

LIQUID-TIGHT FLEXIBLE STEEL CONDUIT

CE RoHS BSEN



- The inside surface is made galvanized steel, the outside part is PVC.
- Resistant to oils, acids and Sun light (UV).
- Due to its high temperatures resistance it is especially used in construction of industrial facilities, workshops, ships etc. suitable for wet conditions and outside use.

(BLACK) -20°C / +105°C

MSM Code	Inside Diameter (mm)	Outside Diameter (mm)	Meters Per Piece
LTP-10	7,0	11,8	50
LTP-12	10,0	14,2	50
LTP-16	12,6	17,8	50
LTP-20	16,0	21,1	50
LTP-25	21,0	26,4	50
LTP-32	26,5	33,1	25
LTP-40	35,4	41,8	25
LTP-50	40,4	47,9	25
LTP-63	51,6	59,7	10

INDOOR TYPE STRAIGHT THREAD CONNECTOR

IP 54

CE RoHS BSEN



- Made of Brass with a nickel coating over it.
- Female thread type is available upon request.
- As it is not supplied with a gasket it is only suitable with FSU types of conduits for indoor use.

Metric Code	Metric Type Size	Pg Code	Pg Type Size	Suitable Flex. Conduit Size
10-M12-M	M12x1,5	10-Pg7-M	Pg 7	F... - Ø10
12-M16-M	M16x1,5	12-Pg9-M	Pg 9	F... - Ø12
16-M16-M	M16x1,5	16-Pg11-M	Pg 11	F... - Ø16
16-M20-M	M20x1,5	---	---	F... - Ø16
20-M20-M	M20x1,5	20-Pg16-M	Pg 16	F... - Ø20
25-M25-M	M25x1,5	25-Pg21-M	Pg 21	F... - Ø25
32-M32-M	M32x1,5	32-Pg29-M	Pg 29	F... - Ø32
40-M40-M	M40x1,5	40-Pg36-M	Pg 36	F... - Ø40
50-M50-M	M50x1,5	50-Pg48-M	Pg 48	F... - Ø50
63-M63-M	M63x1,5	---	---	F... - Ø63

OUTDOOR TYPE STRAIGHT THREAD CONNECTOR

IP 65

CE RoHS BSEN



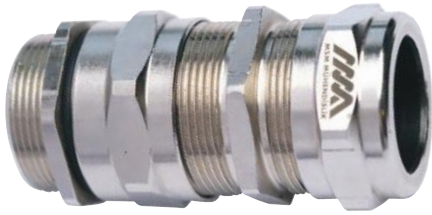
- Made of Brass with a nickel coating over it.
- Liquid-tight due to an inside seal.
- The plastic cover at the end of the connector protects the cable from wearing-out.
- Especially suitable for use in LTP types of conduits for indoor and outdoor use.

Metric Code	Metric Type Size	Pg Code	Pg Type Size	Suitable Flex. Conduit Size
10-M12-C	M12x1,5	10-Pg7-C	Pg 7	LTP... - Ø10
12-M16-C	M16x1,5	12-Pg9-C	Pg 9	LTP... - Ø12
16-M16-C	M16x1,5	16-Pg11-C	Pg 11	LTP... - Ø16
16-M20-C	M20x1,5	---	---	LTP... - Ø16
20-M20-C	M20x1,5	20-Pg16-C	Pg 16	LTP... - Ø20
25-M25-C	M25x1,5	25-Pg21-C	Pg 21	LTP... - Ø25
32-M32-C	M32x1,5	32-Pg29-C	Pg 29	LTP... - Ø32
40-M40-C	M40x1,5	---	---	LTP... - Ø40
50-M50-C	M50x1,5	---	---	LTP... - Ø50
63-M63-C	M63x1,5	---	---	LTP... - Ø63

“E1W” TYPE ARMoured BRASS CABLE GLANDS

IP67

CE EAC



- Certified by CE, GOST-R and EAC.
- Conforms to EN 50262 standard; can also be produced from stainless steel.
- Made of Brass (MS-58), nickel coating available upon request.
- Physical properties stated in the table have to be considered with $\pm 5\%$ tolerance.
- The gasket is resistant to temperatures from -40°C to $+80^{\circ}\text{C}$.
- Upon request, it can be produced in any required size or with a special thread length.

NPT Code	NPT Type Size	Metric Code	Metric Type Size	Pg Code	Pg Type Size	Cable Diameter (mm)				Thread Length (mm)	Corner Diameter Ø (mm)
						Armor Bottom (A)		Armor Top (B)			
						Min	Max	Min	Max		
E1W/12/1/4"	1/4"	E1W/12/M12	M12x1,5	E1W/12/Pg 7	Pg 7	3	6,5	4	9	15	24,5
E1W/16/3/8"	3/8"	E1W/16/M16	M16x1,5	E1W/16/Pg 9	Pg 9	4	9	11	13,5	15	24,5
E1W/20s/1/2"	1/2"	E1W/20s/M20	M20x1,5	E1W/20s/Pg 11	Pg 11	8	11	11	15	15	28,5
E1W/20/1/2"	1/2"	E1W/20/M20	M20x1,5	E1W/20/Pg 13/16	Pg 13,5/16	8	13	15	20	15	33,5
E1W/25/3/4"	3/4"	E1W/25/M25	M25x1,5	E1W/25/Pg 21	Pg 21	13	19	20	27	18	40,5
E1W/32/1"	1"	E1W/32/M32	M32x1,5	E1W/32/Pg 29	Pg 29	18	26	26	32	18	51,5
E1W/40/1 1/4"	1 1/4"	E1W/40/M40	M40x1,5	E1W/40/Pg 36	Pg 36	25	32	33	40	18	61,5
E1W/50s/1 1/2"	1 1/2"	E1W/50s/M50	M50x1,5	E1W/50s/Pg 42	Pg 42	30	37	36	45	18	65,5
E1W/50/2"	2"	E1W/50/M50	M50x1,5	E1W/50/Pg 48	Pg 48	34	44	43	54	20	77,5
E1W/63s/2"	2"	E1W/63s/M63	M63x1,5	-	-	40	50	49	59	20	84,0
E1W/63/2 1/2"	2 1/2"	E1W/63/M63	M63x1,5	-	-	47	54	58	64	22	88,5
E1W/75s/2 1/2"	2 1/2"	E1W/75s/M75	M75x1,5	-	-	49	59	59	65	22	88,5
E1W/75/3"	3"	E1W/75/M75	M75x1,5	-	-	59	65	65	74	22	100,0

“CW” TYPE UNARMoured BRASS CABLE GLANDS

IP67

CE EAC



- Certified by CE, GOST-R and EAC.
- Conforms to EN 50262 standard; can also be produced from stainless steel.
- Made of Brass (MS-58), nickel coating available upon request.
- Physical properties stated in the table have to be considered with $\pm 5\%$ tolerance.
- The gasket is resistant to temperatures from -40°C to $+80^{\circ}\text{C}$.
- Upon request, it can be produced in any required size or with a special thread length.

NPT Code	NPT Type Size	Metric Code	Metric Type Size	Pg Code	Pg Type Size	Cable Diameter (mm)		Thread Length (mm)
						Min	Max	
CW/12/1/4"	1/4"	CW/12/M12	M12x1,5	CW/12/Pg9	Pg 9	4	8	15
CW/16/3/8"	3/8"	CW/16/M16	M16x1,5	CW/16/Pg 11	Pg 11	5	10	15
CW/20/1/2"	1/2"	CW/20/M20	M20x1,5	CW/20/Pg 13	Pg 13,5	10	14	15
-	-	-	-	CW/20/Pg 16	Pg 16	10	14	15
CW/25/3/4"	3/4"	CW/25/M25	M25x1,5	CW/25/Pg 21	Pg 21	13	18	15
CW/32/1"	1"	CW/32/M32	M32x1,5	CW/32/Pg 29	Pg 29	18	25	15
CW/40/1 1/4"	1 1/4"	CW/40/M40	M40x1,5	CW/40/Pg 36	Pg 36	22	32	15
CW/50/1 1/2"	1 1/2"	CW/50/M50	M50x1,5	CW/50/Pg 42	Pg 42	30	38	15
CW/63/2"	2"	CW/63/M63	M63x1,5	CW/63/Pg 48	Pg 48	34	44	15
CW/75/2 1/2"	2 1/2"	CW/75/M75	M75x2,0	-	-	48	60	15
CW/80/3"	3"	CW/80/M80	M80x2,0	-	-	60	70	15

METAL CABLE GLANDS

IP68

CE PG EAC



- Conforms to EN 50262 standard.
- Certified by CE, GOST-R and EAC.
- Can also be produced from Stainless Steel.
- Has a neoprene seal and a polyamide (PA6) clip.
- The seal is resistant to temperatures from -40°C to +80°C. Has an O-ring.
- Physical properties stated in the table have to be considered with $\pm 5\%$ tolerance.
- Upon request, it can be produced in any required size or with a special thread size.
- The hole diameters specified in the lists are given adding ~ 1 mm to the thread diameters.
- Especially used in industrial environments in panel, motor etc. connections.
- If desired can be used together with a connector protective cap and a grounding component.
- **EMC Type with internal grounding, suitable for armored/shielded cables, can also be manufactured.**

GROUNDING COMPONENT

CE PG EAC



- Certified by CE, GOST-R and EAC.
- Made of brass, it can be produced with a nickel coating upon request.
- Especially used as a grounding component mounted to a thread body of connectors.
- Can be delivered already mounted to a connector upon request.

NPT Code	NPT Type Size	Metric Code	Metric Type Size	Pg Code	Pg Type Size
TE-N1	1/4"	TE-M1	M12 x 1,5	TE-P2	Pg 9
TE-N2	3/8"	TE-M2	M16 x 1,5	TE-P3	Pg 11
TE-N3	1/2"	TE-M3	M20 x 1,5	TE-P4/P5	Pg 13,5/16
TE-N4	3/4"	TE-M4	M25 x 1,5	TE-P6	Pg 21
TE-N5	1"	TE-M5	M32 x 1,5	TE-P7	Pg 29
TE-N6	1 1/4"	TE-M6	M40 x 1,5	TE-P8	Pg 36
TE-N7	1 1/2"	TE-M7	M50 x 1,5	TE-P9	Pg 42
TE-N8	2"	---	---	TE-P10	Pg 48
---	---	TE-M8	M63 x 1,5	TE-P11	PQ 55
---	---	---	---	TE-P12	PQ 60
TE-N9	2 1/2"	TE-M9	M75 x 1,5	TE-P13	PQ 70
---	---	TE-M10	M80 x 1,5	---	---
TE-N10	3"	TE-M11	M90 x 1,5	TE-P14	PQ 80
---	---	TE-M12	M100 x 1,5	TE-P15	PQ 90

MSM Code	Thread Size	Cable Dia. (mm)		Hole Dia. (mm)	Thread Length (mm)	Corner Dia. Ø (mm)
		Min	Max			
NPT THREAD						
MKR-N1	1/4"	3	6	15,0	15,0	16,0
MKR-N2	3/8"	4	8	18,5	15,0	19,0
MKR-N3	1/2"	6	12	22,5	15,0	24,0
MKR-N4	3/4"	13	18	28,0	18,0	33,5
MKR-N5	1"	18	25	34,5	18,0	44,5
MKR-N6	1 1/4"	22	32	43,5	18,0	56,0
MKR-N7	1 1/2"	30	38	49,5	18,0	61,0
MKR-N8	2"	34	44	61,5	20,0	66,0
METRIC THREAD						
MKR-M1	M12x1,5	3	6	13,0	6,0	15,5
MKR-M2	M16x1,5	4	8	17,0	7,0	19,0
MKR-M3	M20x1,5	6	12	21,0	7,0	24,5
MKR-M4	M25x1,5	10	14	26,0	8,0	26,5
MKR-M5	M32x1,5	13	18	33,0	10,0	33,5
MKR-M6	M40x1,5	18	25	41,0	10,0	44,5
MKR-M7	M50x1,5	22	32	51,0	12,0	55,5
MKR-M8	M63x1,5	34	44	64,0	14,0	69,5
Pg THREAD						
MKR-P1	Pg 7	3	6	13,5	6,5	15,5
MKR-P2	Pg 9	4	8	16,0	7,0	19,0
MKR-P3	Pg 11	5	10	19,5	7,0	22,0
MKR-P4	Pg 13,5	6	12	21,5	7,0	24,5
MKR-P5	Pg 16	10	14	23,5	7,0	26,5
MKR-P6	Pg 21	13	18	29,0	8,0	33,5
MKR-P7	Pg 29	18	25	38,0	10,0	44,5
MKR-P8	Pg 36	22	32	48,0	10,0	55,5
MKR-P9	Pg 42	30	38	55,0	12,0	66,5
MKR-P10	Pg 48	34	44	60,5	14,0	69,5

CONNECTOR PROTECTIVE CAP (PVC SHROUD)

CE PG EAC



- Certified by CE, GOST-R and EAC.
- Made of EPDM rubber.
- As a cover, it is used to protect connectors from external factors.
- Sealing washer suitable for cable gland sizes is available upon request.

NPT Code	NPT Type Size	Metric Code	Metric Type Size	Pg Code	Pg Type Size
PRK-N1	1/4"	PRK-M1	M12 x 1,5	PRK-P1	Pg 7
PRK-N2	3/8"	PRK-M2	M16 x 1,5	PRK-P2	Pg 9
PRK-N3	1/2"	PRK-M3	M20 x 1,5	PRK-P3	Pg 11
PRK-N4	3/4"	PRK-M4	M25 x 1,5	PRK-P4	Pg 13,5
PRK-N5	1"	PRK-M5	M32 x 1,5	PRK-P5	Pg 16
PRK-N6	1 1/4"	PRK-M6	M40 x 1,5	PRK-P6	Pg 21
PRK-N7	1 1/2"	PRK-M7	M50 x 1,5	PRK-P7	Pg 29
PRK-N8	2"	PRK-M8	M63 x 1,5	PRK-P8	Pg 36
---	---	PRK-M9	M75 x 1,5	PRK-P9	Pg 42
---	---	PRK-M10	M90 x 1,5	PRK-P10	Pg 48

* When choosing a cover for metal cable connectors please pay attention to their corner diameters.

NORMAL BRASS CABLE GLAND

IP 55

CE PG ENEC



- Made of Brass (MS-58).
- Nickel coating available upon request.
- Covered gasket is resistant to temperatures from -40°C to +120°C.
- Can be produced with a long and GAS type of thread if requested.
- Especially used in wet conditions (thanks to a covered gasket)

Pg Code	Pg Type Size	Clamping Range (mm)	Hole Dia. (mm)	Metric Code	Metric Type Size	Clamping Range (mm)	Hole Dia. (mm)
NKR-P1	Pg 7	3÷6	13,5	NKR-M1	M12x1,5	3÷6	13,0
NKR-P2	Pg 9	6÷9	16,0	NKR-M2	M16x1,5	6÷9	17,0
NKR-P3	Pg 11	6÷10	19,5	NKR-M3	M20x1,5	8÷12	21,0
NKR-P4	Pg 13,5	8÷12	21,5	NKR-M4	M25x1,5	14÷19	26,0
NKR-P5	Pg 16	10÷14	23,5	NKR-M5	M32x1,5	18÷24	33,0
NKR-P6	Pg 21	14÷19	29,0	NKR-M6	M40x1,5	29÷35	41,0
NKR-P7	Pg 29	23÷28	38,0	NKR-M7	M50x1,5	35÷41	51,0
NKR-P8	Pg 36	28÷35	48,0	NKR-M8	M63x1,5	43÷49	64,0
NKR-P9	Pg 42	35÷41	55,0	NKR-M9	M75x1,5	55÷62	76,0
NKR-P10	Pg 48	39÷45	60,5	NKR-M10	M90x1,5	64÷72	91,0

BRASS CABLE GLAND WITH A CLAMP

IP 55

CE PG ENEC



- Made of Brass (MS-58).
- Nickel coating available upon request.
- Covered gasket is resistant to temperatures from -40°C to +120°C.
- Fixes cables by means of an adjusting screw.
- Can be produced with a long and GAS type of thread if requested.
- Especially used indoors, in panel connections.

Pg Code	Pg Type Size	Clamping Range (mm)	Hole Dia. (mm)	Metric Code	Metric Type Size	Clamping Range (mm)	Hole Dia. (mm)
KKR-P1	Pg 7	3÷6	13,5	KKR-M1	M12x1,5	3÷6	13,0
KKR-P2	Pg 9	6÷9	16,0	KKR-M2	M16x1,5	6÷9	17,0
KKR-P3	Pg 11	6÷10	19,5	KKR-M3	M20x1,5	8÷12	21,0
KKR-P4	Pg 13,5	8÷12	21,5	KKR-M4	M25x1,5	14÷19	26,0
KKR-P5	Pg 16	10÷14	23,5	KKR-M5	M32x1,5	18÷24	33,0
KKR-P6	Pg 21	14÷19	29,0	KKR-M6	M40x1,5	29÷35	41,0
KKR-P7	Pg 29	23÷28	38,0	KKR-M7	M50x1,5	35÷41	51,0
KKR-P8	Pg 36	28÷35	48,0	KKR-M8	M63x1,5	43÷49	64,0
KKR-P9	Pg 42	35÷41	55,0	KKR-M9	M75x1,5	55÷62	76,0
KKR-P10	Pg 48	39÷45	60,5	KKR-M10	M90x1,5	64÷72	91,0

SPECIAL SIZED BRASS CABLE GLAND

IP 55

CE ENEC



- Made of Brass (MS-58).
- Nickel coating available upon request.
- Covered gasket is resistant to temperatures from -40°C to +120°C.
- It can be produced with a long and GAS type of thread upon request.
- Especially used in wet conditions (thanks to a covered gasket)

Normal Type Code	Clamps Type Code	Size	Clamping Range (mm)	Hole Diameter (mm)
NKR-Ø25	KKR-Ø25	Ø25	18÷24	32,0
NKR-Ø55	KKR-Ø55	Ø55	43÷49	65,0
NKR-Ø60	KKR-Ø60	Ø60	47÷54	70,0
NKR-Ø70	KKR-Ø70	Ø70	55÷62	80,0
NKR-Ø80	KKR-Ø80	Ø80	64÷72	90,0
NKR-Ø90	KKR-Ø90	Ø90	74÷82	100,0
NKR-Ø100	KKR-Ø100	Ø100	85÷92	110,0
NKR-Ø125	KKR-Ø125	Ø125	92÷110	135,0
NKR-Ø150	KKR-Ø150	Ø150	130÷150	170,0

Polyamide Conduits and General Accessories Series



- ◆ Polyamide Flexible Conduits
- ◆ Polyamide Flexible Conduit Connectors

- ◆ Polyamide Flexible Conduits and Acc.
- ◆ Polyamide Flexible Conduit Accessories

POLYAMIDE FLEXIBLE CONDUIT



- Certified by TSE and CE
- Made of Polyamide (PA6), halogen-free and non-flame propagating
- Oil, acids and weather-resistant
- Black type is UV-proof
- Especially suitable for use in machine production and automotive industry to connect engines to related equipment and in security system cable installations.

(GRAY-BLACK) -40°C / +120°C

Code Gray	Code Black	Inside Dia. (mm)	Outside Dia. (mm)	Meters Per Roll (mt)
PS-07	PS-07N	6,5	10,0	100
PS-08	PS-08N	8,5	12,0	100
PS-09	PS-09N	10,0	13,0	100
PS-11	PS-11N	12,0	16,0	100
PS-13	PS-13N	14,0	18,5	100
PS-16	PS-16N	17,0	21,5	50
PS-21	PS-21N	23,0	28,7	50
PS-29	PS-29N	29,0	34,5	25
PS-36	PS-36N	36,0	42,5	25
PS-48	PS-48N	48,0	54,5	25

POLYAMIDE SPLIT FLEXIBLE CONDUIT



- Made of Polyamide (PA6), halogen-free and non-flame propagating
- Oil, acids and weather-resistant
- Black type is UV-proof
- Used to protect the cable
- Especially suitable for use in machine production and automotive industry to connect engines to related equipment and in security system cable installations

(GRAY-BLACK) -40°C / +120°C

Code Gray	Code Black	Inside Dia. (mm)	Outside Dia. (mm)	Meters Per Roll (mt)
PSY-07	PSY-07N	6,5	10,0	100
PSY-08	PSY-08N	8,5	12,0	100
PSY-09	PSY-09N	10,0	13,0	100
PSY-11	PSY-11N	12,0	16,0	100
PSY-13	PSY-13N	14,0	18,5	100
PSY-16	PSY-16N	17,0	21,5	50
PSY-21	PSY-21N	23,0	28,7	50
PSY-29	PSY-29N	29,0	34,5	25
PSY-36	PSY-36N	36,0	42,5	25
PSY-48	PSY-48N	48,0	54,5	25

POLYAMIDE CAPPED STRAP



- Certified by CE.
- Made of Polyamide (PA6), halogen-free.
- The cap provides long-term steady fixing of flexible conduits to any kind of surface.
- The cap is attached to the body

(GRAY-BLACK)

Suitable Flexible Conduit Type	Code Gray	Code Black
PS / PP - 07	PBK-07	PBK-07N
PS / PP - 09	PBK-09	PBK-09N
PS / PP - 11	PBK-11	PBK-11N
PS / PP - 13	PBK-13	PBK-13N
PS / PP - 16	PBK-16	PBK-16N
PS / PP - 21	PBK-21	PBK-21N
PS / PP - 29	PBK-29	PBK-29N
PS / PP - 36	PBK-36	PBK-36N
PS / PP - 48	PBK-48	PBK-48N

POLYAMIDE LOCK NUT



- Certified by CE and VDE.
- Made of Polyamide (PA6), halogen-free.
- Used to fix connectors, boards and equipment connections.

(GRAY-BLACK)

Pg Code	Pg Size	Metric Code	Metric Size
PKS-P1	Pg 7	PKS-M1	M12 x 1,5
PKS-P2	Pg 9	PKS-M2	M16 x 1,5
PKS-P3	Pg 11	-	-
PKS-P4	Pg 13,5	PKS-M3	M20 x 1,5
PKS-P5	Pg 16	PKS-M4	M25 x 1,5
PKS-P6	Pg 21	PKS-M5	M32 x 1,5
PKS-P7	Pg 29	PKS-M6	M40 x 1,5
PKS-P8	Pg 36	PKS-M7	M50 x 1,5
PKS-P10	Pg 48	PKS-M8	M63 x 1,5

POLYAMIDE STRAIGHT CONNECTOR

IP65

CE 


- Certified by CE and ROHS.
- Made of Polyamide (PA6), halogen-free.
- Protection level up to IP-67 when used with a suitable gasket (O-ring).
- Lock nut available for metric thread types.

(GRAY-BLACK)

Suitable Flex. Conduit Type	Pg Code	Pg Size	Metric Code	Metric Size
PS / PP - 07	PBR-P1	Pg 7	---	---
PS / PP - 09	PBR-P2	Pg 9	---	---
PS / PP - 11	PBR-P3	Pg 11	PBR-M2	M16 x 1,5
PS / PP - 13	PBR-P4	Pg 13,5	---	---
PS / PP - 16	PBR-P5	Pg 16	PBR-M3	M20 x 1,5
PS / PP - 21	PBR-P6	Pg 21	PBR-M4	M25 x 1,5
PS / PP - 29	PBR-P7	Pg 29	PBR-M5	M32 x 1,5
PS / PP - 36	PBR-P8	Pg 36	---	---
PS / PP - 48	PBR-P10	Pg 48	---	---

POLYAMIDE ELBOW CONNECTOR 90°

IP65

CE 


- Certified by CE and ROHS.
- Made of Polyamide (PA6), halogen-free.
- Protection level up to IP-67 when used with a suitable gasket (O-ring).
- Recommended mounting temperatures: from -40°C to +105°C.

(GRAY-BLACK)

Suitable Flex. Conduit Type	Pg Code	Pg Size
PS / PP - 07	PRD-P1	Pg 7
PS / PP - 09	PRD-P2	Pg 9
PS / PP - 11	PRD-P3	Pg 11
PS / PP - 13	PRD-P4	Pg 13,5
PS / PP - 16	PRD-P5	Pg 16
PS / PP - 21	PRD-P6	Pg 21
PS / PP - 29	PRD-P7	Pg 29
PS / PP - 36	PRD-P8	Pg 36
PS / PP - 48	PRD-P10	Pg 48

POLYAMIDE CONNECTOR COMPRESSION TYPE

IP68

CE 


- Certified by CE and ROHS.
- Made of Polyamide (PA6), halogen-free.
- Lock nut available for metric thread types.
- Recommended mounting temperatures:

(GRAY-BLACK)

Suitable Flex. Conduit Type	Pg Code	Pg Size	Metric Code	Metric Size
PS / PP - 07	PGR-P1	Pg 7	PGR-M1	M12 x 1,5
PS / PP - 09	PGR-P2	Pg 9	PGR-M2	M16 x 1,5
PS / PP - 11	PGR-P3	Pg 11	PGR-M2.1	M16 x 1,5
PS / PP - 13	PGR-P4	Pg 13,5	PGR-M3.1	M20 x 1,5
PS / PP - 16	PGR-P5	Pg 16	PGR-M3	M20 x 1,5
PS / PP - 21	PGR-P6	Pg 21	PGR-M4	M25 x 1,5
PS / PP - 29	PGR-P7	Pg 29	PGR-M5	M32 x 1,5
PS / PP - 36	PGR-P8	Pg 36	PGR-M6	M40 x 1,5
PS / PP - 48	PGR-P10	Pg 48	PGR-M8	M63 x 1,5

POLYAMIDE COMP. TYPE ELBOW CONNECTOR 90° IP68

CE 


- Certified by CE and ROHS.
- Made of Polyamide (PA6), halogen-free.
- Lock nut available for metric thread types.
- Recommended mounting temperatures: from -40°C to +105°C.

(GRAY-BLACK)

Suitable Flex. Conduit Type	Pg Code	Pg Size
PS / PP - 07	PRG-P1	Pg 7
PS / PP - 09	PRG-P2	Pg 9
PS / PP - 11	PRG-P3	Pg 11
PS / PP - 13	PRG-P4	Pg 13,5
PS / PP - 16	PRG-P5	Pg 16
PS / PP - 21	PRG-P6	Pg 21
PS / PP - 29	PRG-P7	Pg 29
PS / PP - 36	PRG-P8	Pg 36
PS / PP - 48	PRG-P10	Pg 48

POLYAMIDE FLEXIBLE CONDUIT

IEC - EN   

- Certified by IEC, EN and UL.
- Made of Polyamide (PA6), halogen-free and non-flame propagating.
- Oil and acid-resistant flexible conduit.
- Especially suitable for indoor use in machine production and automotive industry to connect engines to related equipment and in security system cable installations.

(BLACK) -40°C / +120°C

Light Series Code	Light Series Ins. Dia. (mm)	Medium Ser. Code	Medium Ser. Ins. Dia. (mm)	Outside Dia. (mm)	Quantity per Pack. (pcs)
FPAL-10	6,5	FPAS-10	6,3	10	50
FPAL-13	10	FPAS-13	9,8	13	50
FPAL-16	12	FPAS-16	11,8	15,8	50
FPAL-21	16,9	FPAS-21	16,7	21,2	50
FPAL-28	23	FPAS-28	22,8	28,5	50
FPAL-34	28,3	FPAS-34	28,1	34,5	25
FPAL-42	35,7	FPAS-42	35,5	42,5	25
FPAL-54	47,4	FPAS-54	47,2	54,5	25

POLYAMIDE STRAIGHT CONNECTOR

IP66

IEC - EN   

- Certified by IEC, EN and UL.
- Made of Polyamide (PA6), halogen-free
- Protection level up to IP-67 when used with a suitable gasket (O-ring)
- Lock nut available for metric thread types.

(BLACK) 50°C / +135°C

Metric Code	Metric Size	Pg Code	Pg Size	Suitable Flex. Conduit Type
FPA10-M12	M12x1,5	FPA10-Pg7	Pg7	Ø10
FPA13-M16	M16x1,5	FPA13-Pg9	Pg9	Ø13
FPA16-M16	M16x1,5	FPA16-Pg11	Pg11	Ø16
FPA16-M20	M20x1,5	FPA16-Pg13	Pg13,5	Ø16
FPA21-M20	M20x1,5	FPA21-Pg16	Pg16	Ø21
FPA28-M25	M25x1,5	FPA28-Pg21	Pg21	Ø28
FPA34-M32	M32x1,5	FPA34-Pg29	Pg29	Ø34
FPA42-M40	M40x1,5	FPA42-Pg36	Pg36	Ø42
FPA54-M50	M50x1,5	FPA54-Pg48	Pg48	Ø54

POLYAMIDE ELBOW CONNECTOR 90°

IP66

IEC - EN   

- Certified by IEC, EN and UL
- Made of Polyamide (PA6), halogen-free
- Protection level up to IP-67 when used with a suitable gasket (O-ring)
- Lock nut available for metric thread types.

(BLACK) 50°C / +135°C

Metric Code	Metric Size	Pg Code	Pg Size	Suitable Flex. Conduit Type
FPA10-M12-90	M12x1,5	FPA10-Pg7-90	Pg7	Ø10
FPA13-M16-90	M16x1,5	FPA13-Pg9-90	Pg9	Ø13
FPA16-M16-90	M16x1,5	FPA16-Pg11-90	Pg11	Ø16
FPA16-M20-90	M20x1,5	FPA16-Pg13-90	Pg13,5	Ø16
FPA21-M20-90	M20x1,5	FPA21-Pg16-90	Pg16	Ø21
FPA28-M25-90	M25x1,5	FPA28-Pg21-90	Pg21	Ø28
FPA34-M32-90	M32x1,5	FPA34-Pg29-90	Pg29	Ø34
FPA42-M40-90	M40x1,5	FPA42-Pg36-90	Pg36	Ø42
FPA54-M50-90	M50x1,5	FPA54-Pg48-90	Pg48	Ø54

POLYAMIDE CAPPED STRAP

IEC - EN   

- Certified by IEC, EN and UL.
- Made of Polyamide (PA6), halogen-free.
- The cap provides long-term steady fixing of flexible conduits to any kind of surface.
- The cap is attached to the body by means of a nylon tie.

(BLACK) - 50°C / +135°C

MSM Code	Size	Suitable Flex. Conduit Type
FCL-10	Ø10	FPAL-FPAS 10
FCL-13	Ø13	FPAL-FPAS 13
FCL-16	Ø16	FPAL-FPAS 16
FCL-21	Ø21	FPAL-FPAS 21
FCL-28	Ø28	FPAL-FPAS 28
FCL-34	Ø34	FPAL-FPAS 34
FCL-42	Ø42	FPAL-FPAS 42
FCL-54	Ø54	FPAL-FPAS 54



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ATEX certified ex-proof fittings



- ◆ Ex-Proof Armored Cable Glands
- ◆ Ex-Proof Unarmored Cable Glands
- ◆ Ex-Proof Galvanized Conduit Unions
- ◆ Ex-Proof Flexible & Rigid Conduit Connectors

- ◆ Ex-Proof Blind Plugs
- ◆ Ex-Proof Sealing Fittings & J.Boxes
- ◆ Ex-Proof Nipples & Couplings
- ◆ Ex-Proof Adapters & Reductions

ATEX; The ATEX directives of the European Union Organizations have been applicable since July 1, 2003, were revised into Directive 2014/34/EU on April 20, 2016. ATEX is a combination of the first syllables of the French words "ATmosphères EXplosives" and means Explosive Atmospheres. The ATEX regulations effective in the European Union countries and recognized in many non-EU countries define the minimum safety requirements for explosive atmospheres, and covers the equipment mentioned here.

Exproof; It is the general name of Equipment and Protective Systems specially produced for use in potentially flammable and explosive areas.

Gas and vapour leaks occur during production, handling, transportation and storage of flammable chemicals and petroleum products (e.g. methane, alcohol, acetylene, natural gas ...) may inevitably react with the oxygen from the atmosphere to form an explosive concentration.

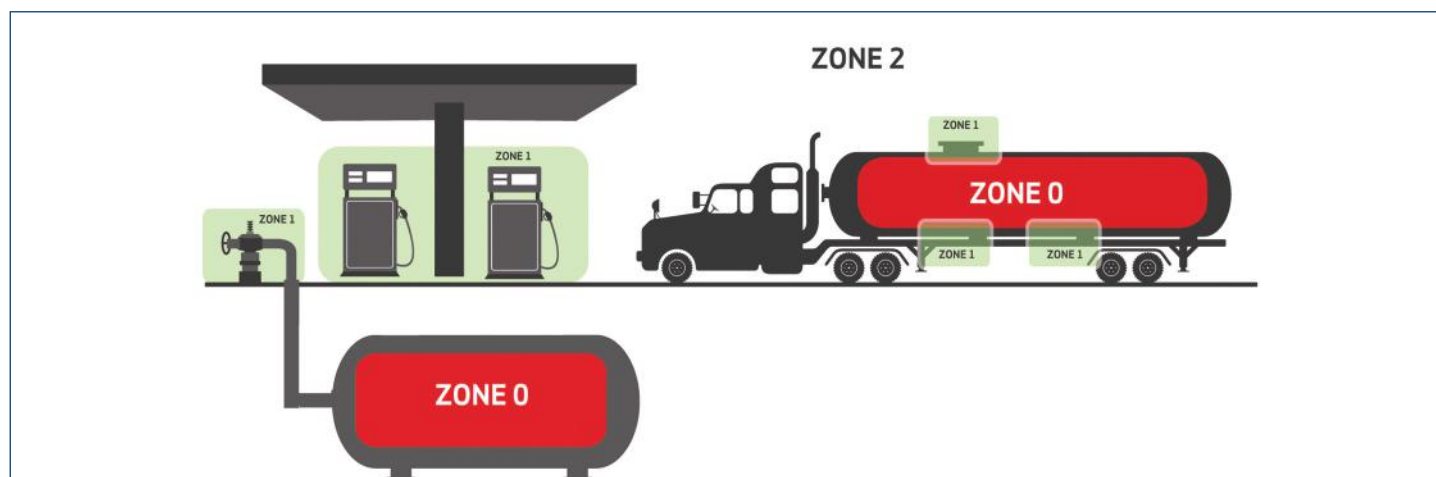
In such a situation, electrical arc, static electricity or excessive surface temperature may lead to an explosion that may endanger property and life safety. The structure and features of electrical equipment designed for use in such hazardous areas varies greatly from those used in normal areas. Such materials are named as Exproof (Flameproof) electrical materials by professionals who use them.

The equipment used in explosive, flammable and inflammable areas is labelled with specific codes. The aim is for the personnel working in hazardous areas to use the right equipment in the right area by paying attention to these codes. The same ex-proof equipment cannot be suitable for using everywhere. Explosions are mainly due to the wrong equipment picked for the area.

Tools from upper categories can be suitable for use in lower category. However, tools designed for lower categories can never be used in upper categories. The Category 1 tools can be comfortably used in **ZONE 0, ZONE 1, and ZONE 2**. However, the Category 2 tools can never be used in ZONE 0.

Hazardous Area Classification Comparison Table

European & IEC Classification	Definition of ZONE or DIVISION	North American Classification
Zone 0 (Gasses) Zone 20 (Dusts)	An area in which an explosive mixture is continuously present or frequently present	Class I Division 1 (Gasses) Class II Division 1 (Dusts)
Zone 1 (Gasses) Zone 21 (Dusts)	An area in which an explosive mixture is likely to occur but not regularly	Class I Division 1 (Gasses) Class II Division 1 (Dusts)
Zone 2 (Gasses) Zone 22 (Dusts)	An area in which an explosive mixture is not likely to occur and if it occurs it will exist only for a short time	Class I Division 2 (Gasses) Class II Division 2 (Dusts) Class III Division 1 (Fibers) Class III Division 2 (Fibers)



Gas Groups Comparison Table

Typical Gases	European & IEC Gas Groups	North American Gas Groups
Methane	I	-
Acetylene	IIC	A
Hydrogen	IIC	B
Ethylene	IIB	C
Propane	IIA	D
Metal Dust	-	E
Coal Dust	-	F
Grain Dust	-	G

Temperature Classification Comparison Table

Temperature Classification		Maximum Surface Temperature
European & IEC	North American	
T1	T1	450°C
T2	T2	300°C
	T2A	280°C
	T2B	260°C
	T2C	230°C
	T2D	215°C
T3	T3	200°C
	T3A	180°C
	T3B	165°C
	T3C	160°C
T4	T4	135°C
	T4A	120°C
T5	T5	100°C
T6	T6	85°C

Electrical equipment in hazardous areas

Electrical installations in dangerous areas (flammable-explosive environments) are detailed in the TSE EN 60079-14 standard. Products that have either ATEX or TSE certification are deemed suitable for use in ex-proof electrical installations in hazardous areas.

Choosing the right equipment is as important as calculating Temperature Classes and Gas Groups, and designing an electrical installation.

Cables connected to electrical equipment in hazardous areas feature cable glands or cable conduits that ensure environmental safety.

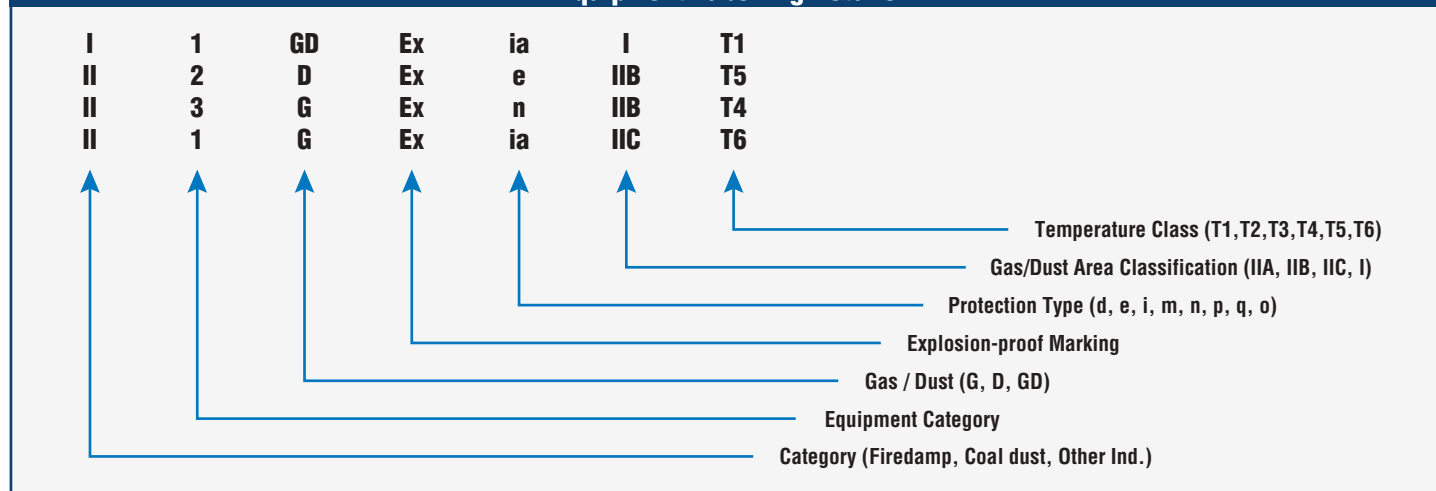
Selection of ex-proof cable gland (**M-VEN type ex-proof unarmoured or M-MER type ex-proof armoured cable glands**), and the type and the size of the cable and the junction box of the ex-proof equipment (**GWR-CJX-DMD type GRP terminal boxes, EJB cast distribution cabinets**) must comply with the relevant protection class.

Cables to be used in installation should be protected against mechanical damage, corrosion, chemicals, and heat. In cases where it cannot be protected, cables must be enclosed safely in industrial type **IMC or RSC threaded** conduits. IMC or RSC conduit provides great convenience, especially if more than one cable is connected to ex-proof equipment. In order to ensure environmental safety a proper installation must feature the special **MCK-1000** sealing resin with **EYS or EZS ex-proof stoppers, M-BMF, M-BMM, M-BFF ex-proof galvanized conduit unions, NP.. ex-proof nipple, BNG.. ex-proof stainless flexible conduits**.

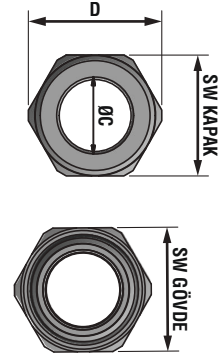
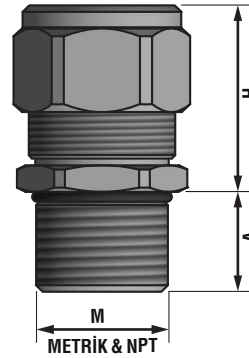
Note: According to ATEX, cables and rigid conduit are not considered a source of breakdown. **Therefore, there is no cable and conduit named as an ex-proof. Only BNG type spiral hoses can be used as Ex-Proof conduits.**

MSM Engineering Company, has ATEX certification, **EAC and IEP** (Energy Petroleum Institute) certificates, and therefore, complies with the **2014/34/EU** directive for the Ex-proof (explosion proof) cable glands, conduit unions and fittings such as reducers, adapters, etc. the company manufactures.

Equipment Labelling Details



M-VEN TYPE EX-PROOF UNARMoured CABLE GLANDS



Technical Details

Type	M-VEN type Unarmoured Cable Glands Metric & NPT Thread
Classification	Ex I M2 Ex db / eb I Mb / II 1D Ex tb IIIC Da / II 2G Ex db / eb IIC Gb
Certificate	IEP 19 ATEX 0708X / Directive 2014/34/EU
Material	MS 58 Brass, Nickel Plated Over Brass
Standards	EN 60079-0 / EN 60079-1 / EN 60079-7 / EN 60079-31
IP standard	EN 60529 IP66 & IP68
Sealing Material	Chloroprene Gasket -40°C to +100°C / Silicone Gasket -60°C to +180°C
Applications	Group II-III / Gas & Dust, Zone 1-2 & 21-22 Gas Group IIA, IIB, IIC / Dust Group IIIA, IIIB, IIIC
Optional Accessories	PVC Shroud, Lock Nut, Earth Tag, IP Washer Gasket

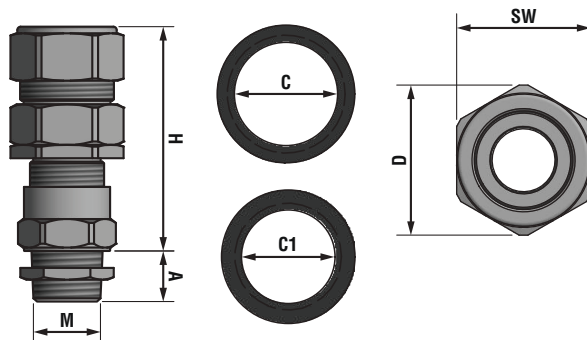


MSM Code	Metric Size	Clamping Range Ø min-max	Thread Length A (mm)	Thread Dia. M (mm)	Height H (mm)	Spanner Width		Outer Dia. D (mm)	Weight (kg)
						SW Cap (mm)	SW Body (mm)		
M-VEN1M	M12x1,5	4 ÷ 8	15,0	12,0	19,0	16,0	15,0	17,5	0,025
M-VEN2M	M16x1,5	5 ÷ 10	15,0	16,0	21,0	20,0	19,0	22,5	0,045
M-VEN3M	M20x1,5	10 ÷ 14	15,0	20,0	22,0	24,0	23,0	26,5	0,055
M-VEN4M	M25x1,5	13 ÷ 18	15,0	25,0	23,0	30,0	28,0	33,5	0,075
M-VEN5M	M32x1,5	18 ÷ 25	15,0	32,0	24,0	40,0	36,0	44,0	0,130
M-VEN6M	M40x1,5	22 ÷ 32	15,0	40,0	27,0	50,0	50,0	55,0	0,245
M-VEN7M	M50x1,5	30 ÷ 38	15,0	50,0	32,0	60,0	55,0	66,0	0,355
M-VEN8M	M63x1,5	34 ÷ 44	15,0	63,0	35,0	65,0	65,0	72,0	0,490
M-VEN9M	M75x1,5	48 ÷ 61	15,0	75,0	40,0	85,0	80,0	93,0	0,790

MSM Code	NPT Size	Clamping Range Ø min-max	Thread Length A (mm)	Thread Dia. M (mm)	Height H (mm)	Spanner Width		Outer Dia. D (mm)	Weight (kg)
						SW Cap (mm)	SW Body (mm)		
M-VEN1N	1/4"	4 ÷ 8	15,0	13,716	19,0	16,0	16,0	17,5	0,030
M-VEN2N	3/8"	5 ÷ 10	15,0	17,145	21,0	20,0	19,0	22,5	0,050
M-VEN3N	1/2"	10 ÷ 14	15,0	21,336	22,0	24,0	24,0	26,5	0,060
M-VEN4N	3/4"	13 ÷ 18	15,0	26,670	23,0	30,0	30,0	33,5	0,085
M-VEN5N	1"	18 ÷ 25	15,0	33,401	24,0	40,0	36,0	44,0	0,135
M-VEN6N	1 1/4"	22 ÷ 32	15,0	42,164	27,0	50,0	50,0	55,0	0,255
M-VEN7N	1 1/2"	30 ÷ 38	15,0	47,800	32,0	60,0	55,0	66,0	0,380
M-VEN8N	2"	34 ÷ 44	15,0	60,325	35,0	65,0	65,0	72,0	0,515
M-VEN9N	2 1/2"	48 ÷ 61	15,0	73,025	40,0	85,0	80,0	93,0	0,910

MSM Code	Size Code	Male Thread	Material	Sealing Gasket	Accessories				Code Example
	2 : M16x1,5 3 : M20x1,5	M: Metric N: NPT	B: Brass BN: Brass Nickel Plated	S: Silicone C: Chloroprene	PVC Shroud	Lock Nut	Earth Tag	IP Washer Gasket	
M-VEN	2	M	BN	C	S	L	E	W	M-VEN2MBNCL

M-MER TYPE EX-PROOF ARMoured CABLE GLANDS



Technical Details

Type	M-MER type Armoured Cable Glands Metric & NPT Thread
Classification	Ex I M2 Ex db/eb I Mb / II 2G Ex db/eb IIC Gb / II 1D Ex tb IIIC Da
Certificate	IEP 19 ATEX 0719X / Directive 2014/34/EU
Material	MS 58 Brass, Nickel Plated Over Brass
Standards	EN 60079-0 / EN 60079-1 / EN 60079-7 / EN 60079-31
IP standard	EN 60529 IP66 & IP68
Sealing Material	Chloroprene Gasket -40°C to +100°C / Silicone Gasket -60°C to +180°C
Applications	Group II-III / Gas & Dust, Zone 1-2 & 21-22 Gas Group IIA, IIB, IIC / Dust Group IIIA, IIIB, IIIC
Optional Accessories	PVC Shroud, Lock Nut, Earth Tag, IP Washer Gasket

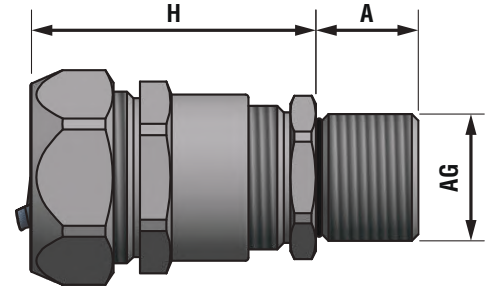
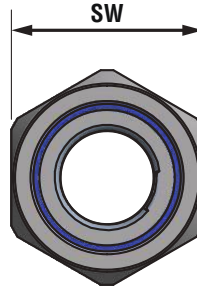


MSM Code	Metric Size	Male Thread Size M (mm)	Clamping Range (Ø min-max)		Thread Height A (mm)	Spanner Width (SW/D)		Height H (mm)	Weight (kg)
			C (mm)	C1 (mm)		SW (mm)	D (mm)		
M-MER1M	M12x1,5	12	3,0 ÷ 6,5	4,0 ÷ 9,0	15	18	20,00	62	0,080
M-MER2M	M16x1,5	16	11,0 ÷ 13,5	4,0 ÷ 9,0	15	22	24,50	67	0,120
M-MER3M	M20x1,5	20	15,0 ÷ 20,0	8,0 ÷ 13,0	15	30	33,50	68	0,192
M-MER4M	M25x1,5	25	20,0 ÷ 27,0	13,0 ÷ 19,0	15	36	40,50	71	0,256
M-MER5M	M32x1,5	32	26,0 ÷ 33,0	18,0 ÷ 26,0	15	45	51,50	79	0,409
M-MER6M	M40x1,5	40	33,0 ÷ 40,0	25,0 ÷ 32,0	15	55	61,50	88	0,692
M-MER7M	M50x1,5	50	43,0 ÷ 54,0	34,0 ÷ 44,0	15	70	77,50	97	1,083
M-MER8M	M63x1,5	63	58,0 ÷ 64,0	47,0 ÷ 54,0	15	80	88,50	126	1,418
M-MER9M	M75x1,5	75	65,0 ÷ 74,0	59,0 ÷ 65,0	15	90	100,00	126	1,800

MSM Code	NPT Size	Male Thread Size M (mm)	Clamping Range (Ø min-max)		Thread Height A (mm)	Spanner Width (SW/D)		Height H (mm)	Weight (kg)
			C (mm)	C1 (mm)		SW (mm)	D (mm)		
M-MER1N	1/4"	13,176	3,0 ÷ 6,5	4,0 ÷ 9,0	15	18	20,00	62	0,081
M-MER2N	3/8"	17,145	11,0 ÷ 13,5	4,0 ÷ 9,0	15	22	24,50	68	0,121
M-MER3N	1/2"	21,336	15,0 ÷ 20,0	8,0 ÷ 13,0	15	30	33,50	71	0,175
M-MER4N	3/4"	26,670	20,0 ÷ 27,0	13,0 ÷ 19,0	18	36	40,50	74	0,255
M-MER5N	1"	33,401	26,0 ÷ 33,0	18,0 ÷ 26,0	18	45	51,50	84	0,395
M-MER6N	1 1/4"	42,164	33,0 ÷ 40,0	25,0 ÷ 32,0	18	55	61,50	93	0,680
M-MER7N	1 1/2"	47,800	36,0 ÷ 45,0	30,0 ÷ 37,0	18	60	65,50	107	0,753
M-MER8N	2"	60,325	49,0 ÷ 59,0	40,0 ÷ 50,0	20	75	84,00	113	1,275
M-MER9N	2 1/2"	73,025	58,0 ÷ 64,0	47,0 ÷ 54,0	22	80	88,50	126	1,493

MSM Code	Size Code	Male Thread	Material	Sealing Gasket	Accessories				Code Example
	2 : M16x1,5 3 : M20x1,5	M: Metric N: NPT	B: Brass BN: Brass Nickel Plated	S: Silicone C: Chloroprene	PVC Shroud	Lock Nut	Earth Tag	IP Washer Gasket	
M-MER	2	M	BN	C	S	L	E	W	M-MER2MBNCL

M-SBR TYPE EX-PROOF FLEXIBLE CONDUIT CONNECTORS



Technical Details

Type	M-SBR type Liquidtight Steel Flexible Conduit Connectors - Metric & NPT Thread
Classification	Ex I M2 Ex db/eb I Mb / II 2G Ex db/eb IIC Gb / II 1D Ex tb IIIC Da
Certificate	IEP 20 ATEX 0820X / Directive 2014/34/EU
Material	MS 58 Brass, Nickel Plated Over Brass
Standards	EN 60079-0 / EN 60079-1 / EN 60079-7 / EN 60079-31
IP standard	EN 60529 IP66 & IP68
Sealing Material	Chloroprene Gasket -40°C to +100°C / Silicone Gasket -60°C to +180°C
Applications	Group II-III / Gas & Dust, Zone 1-2 & 21-22 Gas Group IIA, IIB, IIC / Dust Group IIIA, IIIB, IIIC
Optional Accessories	Lock Nut, Earth Tag, IP Washer Gasket

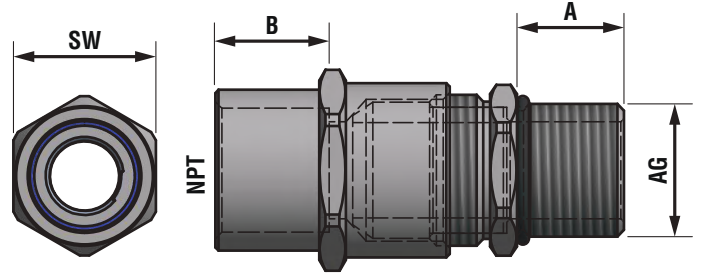


MSM Code	Flexible Type Input Size	Metric Output Size	Cable Clamping Range (mm)	SW (mm)	A (mm)	AG (mm)	H (mm)	Weight (kg)
M-SBR1M	M...-10 - 1/4"	M12x1,5	4,0 ÷ 8,0	22	16	12	32,0	0,049
M-SBR2M	M...-13 - 3/8"	M16x1,5	5,0 ÷ 10,0	26	16	16	35,5	0,075
M-SBR3M	M...-16 - 1/2"	M20x1,5	6,0 ÷ 12,0	30	16	20	36,5	0,098
M-SBR4M	M...-21 - 3/4"	M25x1,5	13,0 ÷ 18,0	36	16	25	41,0	0,160
M-SBR5M	M...-26 - 1"	M32x1,5	18,0 ÷ 25,0	45	20	32	48,5	0,275
M-SBR6M	M...-35 - 1 1/4"	M40x1,5	22,0 ÷ 32,0	55	20	40	54,0	0,420
M-SBR7M	M...-40 - 1 1/2"	M50x1,5	30,0 ÷ 38,0	60	20	50	56,5	0,508
M-SBR8M	M...-52 - 2"	M63x1,5	34,0 ÷ 44,0	80	20	63	63,0	0,957

MSM Code	Flexible Type Input Size	NPT Output Size	Cable Clamping Range (mm)	SW (mm)	A (mm)	AG (mm)	H (mm)	Weight (kg)
M-SBR1N	M...-10 - 1/4"	1/4"	4,0 ÷ 8,0	22	16	13,176	32,0	0,052
M-SBR2N	M...-13 - 3/8"	3/8"	5,0 ÷ 10,0	26	16	17,145	35,5	0,077
M-SBR3N	M...-16 - 1/2"	1/2"	6,0 ÷ 12,0	30	16	21,336	36,5	0,102
M-SBR4N	M...-21 - 3/4"	3/4"	13,0 ÷ 18,0	36	16	26,670	41,0	0,164
M-SBR5N	M...-26 - 1"	1"	18,0 ÷ 25,0	45	20	33,401	48,5	0,290
M-SBR6N	M...-35 - 1 1/4"	1 1/4"	22,0 ÷ 32,0	55	20	42,164	54,0	0,440
M-SBR7N	M...-40 - 1 1/2"	1 1/2"	30,0 ÷ 38,0	60	20	47,800	56,5	0,516
M-SBR8N	M...-52 - 2"	2"	34,0 ÷ 44,0	80	20	60,325	63,0	0,970

MSM Code	Size Code	Male Thread	Material	Sealing Gasket	Accessories			Code Example
	2 : M16x1,5 3 : M20x1,5	M: Metric N: NPT	B: Brass BN: Brass Nickel Plated	S: Silicone C: Chloroprene	Lock Nut	Earth Tag	IP Washer Gasket	
M-SBR	2	M	BN	C	L	E	W	M-SBR2MBNCL

M-DBR TYPE EX-PROOF IMC & RSC TYPE RIGID CONDUIT CONNECTORS



Technical Details

Tipi	M-DBR type IMC & RSC Type Rigid Conduit Connectors - Metric & NPT Thread
Sınıflandırma	Ex I M2 Ex db/eb I Mb / II 2G Ex db/eb IIC Gb / II 1D Ex tb IIIC Da
Sertifika	IEP 20 ATEX 0820X / Directive 2014/34/EU
Malzeme	MS 58 Brass, Nickel Plated Over Brass
Standartlar	EN 60079-0 / EN 60079-1 / EN 60079-7 / EN 60079-31
IP Standart	EN 60529 IP66 & IP68
Sızdırmazlık Malzeme	Chloroprene Gasket -40°C to +100°C / Silicone Gasket -60°C to +180°C
Uygulama Alanları	Group II-III / Gas & Dust, Zone 1-2 & 21-22 Gas Group IIA, IIB, IIC / Dust Group IIIA, IIIB, IIIC
Opsiyonel Aksesuarlar	Lock Nut, Earth Tag, IP Washer Gasket

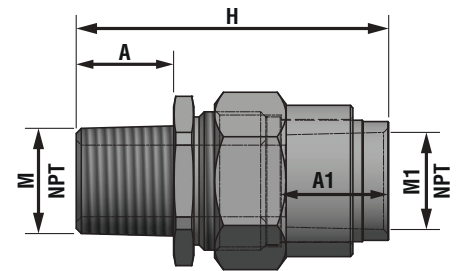
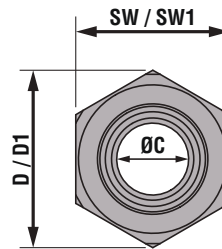


MSM Code	IMC&RSC Cond. Thread Size	Metric Output Size	Cable Clamping Range (mm)	SW (mm)	AG (mm)	A (mm)	B (mm)	Weight (kg)
M-DBR3M	1/2"	M20x1,5	6,0 ÷ 12,0	27	20	16	16	100
M-DBR4M	3/4"	M25x1,5	13,0 ÷ 18,0	32	25	16	16	125
M-DBR5M	1"	M32x1,5	18,0 ÷ 25,0	42	32	16	16	240
M-DBR6M	1 1/4"	M40x1,5	22,0 ÷ 32,0	50	40	18	18	325
M-DBR7M	1 1/2"	M50x1,5	30,0 ÷ 38,0	60	50	18	18	400
M-DBR8M	2"	M63x1,5	34,0 ÷ 44,0	70	63	20	20	650
M-DBR9M	2 1/2"	M75x1,5	48,0 ÷ 57,0	85	—	22	22	970
M-DBR10M	3"	M80x1,5	56,0 ÷ 70,0	100	—	25	25	1.200
M-DBR11M	4"	M100x1,5	70,0 ÷ 89,0	125	—	25	25	2.700

MSM Code	IMC&RSC Cond. Thread Size	NPT Output Size	Cable Clamping Range (mm)	SW (mm)	AG (mm)	A (mm)	B (mm)	Weight (kg)
M-DBR3N	1/2"	1/2"	6,0 ÷ 12,0	27	21,336	16	16	105
M-DBR4N	3/4"	3/4"	13,0 ÷ 18,0	32	26,670	16	16	130
M-DBR5N	1"	1"	18,0 ÷ 25,0	42	33,401	16	16	250
M-DBR6N	1 1/4"	1 1/4"	22,0 ÷ 32,0	50	42,164	18	18	335
M-DBR7N	1 1/2"	1 1/2"	30,0 ÷ 38,0	60	47,800	18	18	410
M-DBR8N	2"	2"	34,0 ÷ 44,0	70	60,325	20	20	670
M-DBR9N	2 1/2"	2 1/2"	48,0 ÷ 57,0	85	—	22	22	1.000
M-DBR10N	3"	3"	56,0 ÷ 70,0	100	—	25	25	1.275
M-DBR11N	4"	4"	70,0 ÷ 89,0	125	—	25	25	2.750

MSM Code	Size Code	Male Thread	Material	Sealing Gasket	Accessories			Code Example
	2 : M16x1,5 3 : M20x1,5	M: Metric N: NPT	B: Brass BN: Brass Nickel Plated	S: Silicone C: Chloroprene	Lock Nut	Earth Tag	IP Washer Gasket	
M-DBR	3	M	BN	C	L	E	W	M-DBR2MBNCL

M-BMF.. / M-BFF.. / M-BMM.. TYPE EX-PROOF CONDUIT UNIONS (THREE PIECES)



M-BFF.. (Female-Female) M-BMF.. (Male-Female) M-BMM.. (Male-Male)

Technical Details

Type	M-B.. type Conduit Unions (Three Pieces)
Classification	Ex I M2 Ex db I Mb / I M2 Ex eb I Mb / II 1D Ex ta IIIC Da Ex II 2G Ex db IIC Gb / II 2G Ex eb II Gb
Certificate	IEP 20 ATEX 0762U / Directive 2014/34/EU
Material	Galvanized Steel
Standards	EN 60079-0 / EN 60079-1 / EN 60079-7 / EN 60079-31
IP standard	EN 60529 IP66
Applications	Group II-III / Gas & Dust, Zone 1-2 & 21-22
	Gas Group IIA, IIB, IIC / Dust Group IIIA, IIIB, IIIC
Optional Accessories	Lock Nut, Earth Tag, IP Washer Gasket, Silicone Gasket

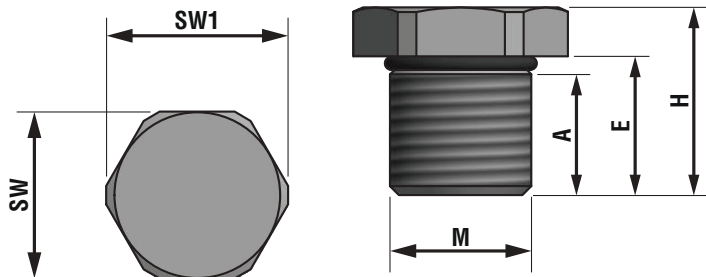


MSM Code	Product Size M (mm)		Product Size M1 (mm)		Cable Dia. Size C (mm)	Thread Length (mm)		Spanner Width SW/D (mm)				Height H (mm)	Weight (kg)
	NPT	Size	NPT	Size		A	A1	SW	D	SW1	D1		
M-BMF1N	1/2" NPT	21,336	1/2" NPT	20,1115	14,00	19,00	16,00	30,00	33,00	30,00	34,50	61,00	0,158
M-BMF2N	3/4" NPT	26,670	3/4" NPT	25,4435	19,00	20,00	20,00	36,00	40,00	36,00	41,50	60,00	0,212
M-BMF3N	1" NPT	33,401	1" NPT	31,9100	25,00	25,00	23,00	41,00	47,00	41,00	47,00	70,00	0,284
M-BMF4N	1 1/4" NPT	42,164	1 1/4" NPT	40,6730	32,00	28,00	25,00	50,00	56,00	55,00	63,00	81,00	0,549
M-BMF5N	1 1/2" NPT	47,800	1 1/2" NPT	46,3090	39,00	28,00	26,00	55,00	62,00	60,00	69,00	85,00	0,567
M-BMF6N	2" NPT	60,325	2" NPT	58,8340	50,00	30,00	29,00	70,00	79,00	75,00	85,00	91,00	0,982
M-BMF7N	2 1/2" NPT	73,025	2 1/2" NPT	70,8817	65,00	33,00	31,00	91,00	100,00	91,00	100,00	91,00	1,386

MSM Code	Product Size M (mm)		Product Size M1 (mm)		Cable Dia. Size C (mm)	Thread Length (mm)		Spanner Width SW/D (mm)				Height H (mm)	Weight (kg)
	NPT	Size	NPT	Size		A	A1	SW	D	SW1	D1		
M-BFF1N	1/2" NPT	20,1115	1/2" NPT	20,1115	14,00	19,00	16,00	30,00	33,00	30,00	34,50	42,00	0,122
M-BFF2N	3/4" NPT	25,4435	3/4" NPT	25,4435	19,00	20,00	20,00	36,00	40,00	36,00	41,50	46,00	0,177
M-BFF3N	1" NPT	31,9100	1" NPT	31,9100	25,00	25,00	23,00	41,00	47,00	41,00	47,00	56,00	0,248
M-BFF4N	1 1/4" NPT	40,6730	1 1/4" NPT	40,6730	32,00	28,00	25,00	50,00	56,00	55,00	63,00	65,00	0,460
M-BFF5N	1 1/2" NPT	46,3090	1 1/2" NPT	46,3090	39,00	28,00	26,00	55,00	62,00	60,00	69,00	68,00	0,475
M-BFF6N	2" NPT	58,8340	2" NPT	58,8340	50,00	30,00	29,00	70,00	79,00	75,00	85,00	74,50	0,889
M-BFF7N	2 1/2" NPT	70,8817	2 1/2" NPT	70,8817	65,00	33,00	31,00	91,00	100,00	91,00	100,00	76,00	1,254

MSM Code	Product Size M (mm)		Product Size M1 (mm)		Cable Dia. Size C (mm)	Thread Length (mm)		Spanner Width SW/D (mm)				Height H (mm)	Weight (kg)
	NPT	Size	NPT	Size		A	A1	SW	D	SW1	D1		
M-BMM1N	1/2" NPT	21,336	1/2" NPT	21,336	14,00	19,00	19,00	30,00	33,00	30,00	34,50	77,50	0,194
M-BMM2N	3/4" NPT	26,670	3/4" NPT	26,670	19,00	20,00	20,00	36,00	40,00	36,00	41,50	76,00	0,267
M-BMM3N	1" NPT	33,401	1" NPT	33,401	25,00	25,00	25,00	41,00	47,00	41,00	47,00	88,00	0,366
M-BMM4N	1 1/4" NPT	42,164	1 1/4" NPT	42,164	32,00	28,00	28,00	50,00	56,00	55,00	63,00	96,00	0,684
M-BMM5N	1 1/2" NPT	47,800	1 1/2" NPT	47,800	39,00	28,00	28,00	55,00	62,00	60,00	69,00	98,00	0,707
M-BMM6N	2" NPT	60,325	2" NPT	60,325	50,00	30,00	30,00	70,00	79,00	75,00	85,00	104,50	1,169
M-BMM7N	2 1/2" NPT	73,025	2 1/2" NPT	73,025	65,00	33,00	33,00	91,00	100,00	91,00	100,00	120,00	1,748

M-PLG TYPE EX-PROOF BLIND PLUGS



Technical Details

Type	M-PLG type Blind Plugs Metric & NPT Thread
Classification	Ex I M2 Ex db I Mb / I M2 Ex eb I Mb / II 1D Ex ta IIIC Da / II 2G Ex db IIC Gb / II 2G Ex eb II Gb
Certificate	IEP 19 ATEX 0694X / Directive 2014/34/EU
Material	MS 58 Brass, Nickel Plated Over Brass
Standards	EN 60079-0 / EN 60079-1 / EN 60079-7 / EN 60079-31
IP standard	EN 60529 IP66 & IP68
Sealing Material	Chloroprene Gasket -40°C to +100°C / Silicone Gasket -60°C to +180°C
Applications	Group II-III / Gas & Dust, Zone 1-2 & 21-22 Gas Group IIA, IIB, IIC / Dust Group IIIA, IIIB, IIIC
Optional Accessories	Lock Nut, Earth Tag, IP Washer Gasket

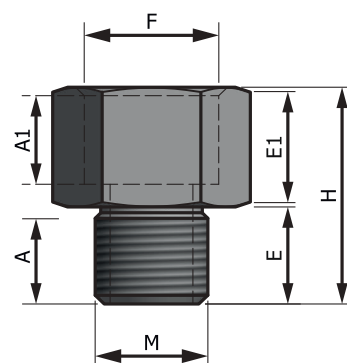
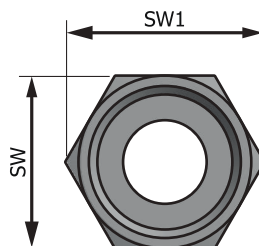


MSM Code	Metric Size	Thread Piece A	Thread Length E (mm)	Height H (mm)	Spanner Width SW (mm)	Outer Dia. SW1 (mm)	Lock Nut Code	Earth Tag Code	IP Washer Code	Weight (kg)
M-PLG1M	M12x1,5	8	15	22	17	19	LN-1M	ERT-1M	IPW-1M	0,028
M-PLG2M	M16x1,5	8	15	22	22	24	LN-2M	ERT-2M	IPW-2M	0,034
M-PLG3M	M20x1,5	8	15	22	24	26	LN-3M	ERT-3M	IPW-3M	0,047
M-PLG4M	M25x1,5	7	15	22	30	33	LN-4M	ERT-4M	IPW-4M	0,074
M-PLG5M	M32x1,5	7	15	22	36	40	LN-5M	ERT-5M	IPW-5M	0,110
M-PLG6M	M40x1,5	7	15	22	45	50	LN-6M	ERT-6M	IPW-6M	0,165
M-PLG7M	M50x1,5	7	15	22	55	61	LN-7M	ERT-7M	IPW-7M	0,230
M-PLG8M	M63x1,5	7	15	22	70	77	LN-8M	ERT-8M	IPW-8M	0,343

MSM Code	NPT Size	Thread Piece A	Thread Length E (mm)	Height H (mm)	Spanner Width SW (mm)	Outer Dia. SW1 (mm)	Lock Nut Code	Earth Tag Code	IP Washer Code	Weight (kg)
M-PLG1N	1/4"	8,0 / 18,0	15	22	16	18	LN-1N	ERT-1N	IPW-1N	0,028
M-PLG2N	3/8"	8,0 / 18,0	15	22	20	22	LN-2N	ERT-2N	IPW-2N	0,034
M-PLG3N	1/2"	7,0 / 18,0	15	22	24	26	LN-3N	ERT-3N	IPW-3N	0,047
M-PLG4N	3/4"	7,0 / 18,0	15	22	27	30	LN-4N	ERT-4N	IPW-4N	0,074
M-PLG5N	1"	6,0 / 18,0	15	22	35	38	LN-5N	ERT-5N	IPW-5N	0,110
M-PLG6N	1 1/4"	6,0 / 18,0	15	22	45	50	LN-6N	ERT-6N	IPW-6N	0,165
M-PLG7N	1 1/2"	6,0 / 18,0	15	22	50	55	LN-7N	ERT-7N	IPW-7N	0,230
M-PLG8N	2"	6,0 / 18,0	15	22	65	72	LN-8N	ERT-8N	IPW-8N	0,343

MSM Code	Size Code	Male Thread	Material	Sealing Gasket	Accessories			Code Example
	2 : M16x1,5 3 : M20x1,5	M: Metric N: NPT	B: Brass BN: Brass Nickel Plated	S: Silicone C: Chloroprene	Lock Nut	Earth Tag	IP Washer Gasket	
M-PLG	2	M	BN	C	L	E	W	M-PLG2MBNCL

M-REB TYPE EX-PROOF REDUCERS



Technical Details

Type	M-REB Type Reducers - Metric & NPT Thread
Classification	Ex I M2 Ex db/eb I Mb / II 2G Ex db/eb IIC Gb / II 1D Ex tb IIIC Da
Certificate	IEP 19 ATEX 0693X / Directive 2014/34/EU
Material	MS 58 Brass, Nickel Plated Over Brass
Standards	EN 60079-0 / EN 60079-1 / EN 60079-7 / EN 60079-31
IP standard	EN 60529 IP66 & IP68
Sealing Material	Chloroprene Gasket -40°C to +100°C / Silicone Gasket -60°C to +180°C
Applications	Group II-III / Gas & Dust, Zone 1-2 & 21-22 Gas Group IIA, IIB, IIC / Dust Group IIIA, IIIB, IIIC
Optional Accessories	Lock Nut, Earth Tag, IP Washer Gasket

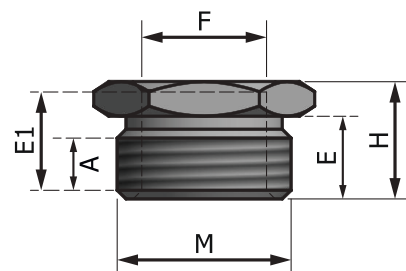
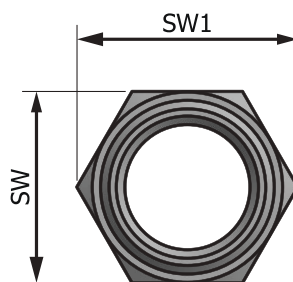


MSM Code	Male Metric Size (M)	Female Metric Size (F)	Thread Piece A	Thread Piece A1	Thread Length E (mm)	Thread Length E1 (mm)	Height H (mm)	Spanner Width SW (mm)	Outer Dia. SW1 (mm)	Weight (kg)
M-REB1M2M	M12x1,5	M16x1,5	8	8	15	15	34	22	24,0	0,00
M-REB2M3M	M16x1,5	M20x1,5	8	8	15	15	34	25	27,5	0,00
M-REB3M4M	M20x1,5	M25x1,5	8	8	15	15	34	30	33,0	0,00
M-REB4M5M	M25x1,5	M32x1,5	8	8	15	15	34	36	40,0	0,00
M-REB5M6M	M32x1,5	M40x1,5	8	10	15	18	37	45	50,0	0,00
M-REB6M7M	M40x1,5	M50x1,5	10	10	15	18	41	55	61,0	0,00
M-REB7M8M	M50x1,5	M63x1,5	10	10	18	18	41	70	77,0	0,00

MSM Code	Male NPT Size (M)	Female NPT Size (F)	Thread Piece A	Thread Piece A1	Thread Length E (mm)	Thread Length E1 (mm)	Height H (mm)	Spanner Width SW (mm)	Outer Dia. SW1 (mm)	Weight (kg)
M-REB1N2N	1/4" NPT	3/8" NPT	8 / 18	8 / 18	15	15	34	20	22,0	0,00
M-REB2N3N	3/8" NPT	1/2" NPT	8 / 18	8 / 18	15	15	34	25	27,5	0,00
M-REB3N4N	1/2" NPT	3/4" NPT	7 / 14	7 / 14	15	15	34	30	33,0	0,00
M-REB4N5N	3/4" NPT	1" NPT	6 / 14	6 / 14	15	15	34	36	40,0	0,00
M-REB5N6N	1" NPT	1 1/4" NPT	7 / 11,5	7 / 11,5	15	18	37	45	50,0	0,00
M-REB6N7N	1 1/4" NPT	1 1/2" NPT	7 / 11,5	7 / 11,5	18	18	41	55	61,0	0,00
M-REB7N8N	1 1/2" NPT	2" NPT	7 / 11,5	7 / 11,5	18	18	41	65	72,0	0,00

MSM Code	Male Size	Thread Type	Female Size	Thread Type	Material	Sealing Gasket	Code Example
	1: 1/4" 2: 3/8"	N: NPT M: Metric	2: 3/8" 3: 1/2"	N: NPT M: Metric	B: Brass BN: Brass Nickel Plated	S: Silicone C: Chloroprene	
M-REB	1	N	2	N	BN	S	M-REB1N2NBNS

M-RE TYPE EX-PROOF ADAPTER



Technical Details

Type	M-RE Tip Adapter - Metric & NPT Thread
Classification	Ex I M2 Ex db/eb I Mb / II 2G Ex db/eb IIC Gb / II 1D Ex tb IIIC Da
Certificate	IEP 20 ATEX 0693X / Directive 2014/34/EU
Material	MS 58 Brass, Nickel Plated Over Brass
Standards	EN 60079-0 / EN 60079-1 / EN 60079-7 / EN 60079-31
IP standard	EN 60529 IP66 & IP68
Sealing Material	Chloroprene Gasket -40°C to +100°C / Silicone Gasket -60°C to +180°C
Applications	Group II-III / Gas & Dust, Zone 1-2 & 21-22 Gas Group IIA, IIB, IIC / Dust Group IIIA, IIIB, IIIC
Optional Accessories	Lock Nut, Earth Tag, IP Washer Gasket



MSM Code	Male Metric Size (M)	Female Metric Size (F)	Thread Piece A	Thread Length E (mm)	Thread Length E1 (mm)	Height H (mm)	Spanner Width SW (mm)	Outer Dia. SW1 (mm)	Weight (kg)
M-RE2M1M	M16x1,5	M12x1,5	8	15	18	20	22	24	0,022
M-RE3M2M	M20x1,5	M16x1,5	8	15	18	20	25	27,5	0,025
M-RE4M3M	M25x1,5	M20x1,5	8	15	18	20	30	33	0,037
M-RE5M4M	M32x1,5	M25x1,5	8	15	18	20	36	40	0,060
M-RE6M5M	M40x1,5	M32x1,5	8	15	22	24	45	50	0,106
M-RE7M6M	M50x1,5	M40x1,5	9	15	22	24	55	61	0,164
M-RE8M7M	M63x1,5	M50x1,5	9	15	22	24	70	77	0,271

MSM Code	Male NPT Size (M)	Female NPT Size (F)	Thread Piece A	Thread Length E (mm)	Thread Length E1 (mm)	Height H (mm)	Spanner Width SW (mm)	Outer Dia. SW1 (mm)	Weight (kg)
M-RE2N1N	3/8"	1/4"	9 / 18	15	18	20	22	24	0,022
M-RE3N2N	1/2"	3/8"	7 / 14	15	18	20	25	27,5	0,028
M-RE4N3N	3/4"	1/2"	7 / 14	15	18	20	30	33	0,042
M-RE5N4N	1"	3/4"	6 / 11,5	15	18	20	36	40	0,064
M-RE6N5N	1 1/4"	1"	7 / 11,5	18	22	24	45	50	0,118
M-RE7N6N	1 1/2"	1 1/4"	7 / 11,5	18	22	24	55	61	0,129
M-RE8N7N	2"	1 1/2"	7 / 11,5	18	22	24	65	72	0,240

MSM Code	Male Size	Thread Type	Female Size	Thread Type	Material	Sealing Gasket	Code Example
	2: M16x1,5 3: M20x1,5	M: Metric N: NPT	1: M12x1,5 2: M16x1,5	M: Metric N: NPT	B: Brass BN: Brass Nickel Plated	S: Silicone C: Chloroprene	
M-RE	2	M	1	M	BN	S	M-RE2M1MBNS

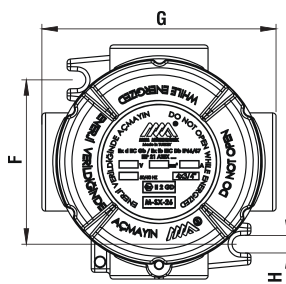
EX-PROOF JUNCTION BOXES / Ø 140 mm



Classification	Group II	Category 2G 2D	Directive:	2014/34/EU
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)	Certification:	IEP 23 ATEX 1324X
Marking:	II 2G Ex db IIC T3-T6 Gb	II 2D Ex tb IIIC T180°C-T85°C Db	Degree Of Protection:	IP66 & IP67
Standards:	IEC EN 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014		Ambient Temperature:	-40°C ~ +80°C

Mechanical Features

Body	Copper-Free Aluminum
Wall Thickness	5 mm
Screw	Stainless steel
Gasket	O-ring, Neoprene
Entry	NPT Thread ANSI B1.20.1
	GAS UNI ISO 228-1 (Optional)
	UNI ISO 7/1 (Optional)
	METRIC ISO 261/965 (Optional)

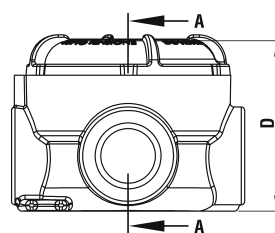


TOP VIEW

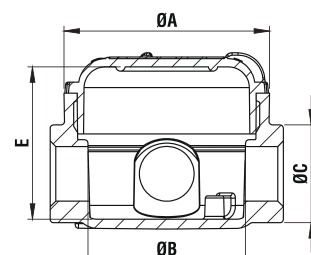


Electrical Features

Voltage	750 V AC/DC max.
Frequency	50 / 60 Hz
Current	8 A - 175 A max.
Max. Current Density	2.5 - 6.6 (A/mm²)
Terminal Cross Section	1,5 mm² & 70 mm²



SIDE VIEW

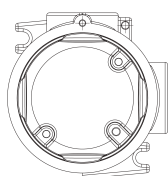


SECTION A-A

Technical Features

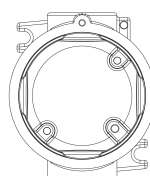
Type	ØA (mm)	ØB (mm)	ØC (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Weight (kg)
M-S.-36	140	104	70	111	100	118	170	10	2,00
M-S.-46	140	104	70	111	100	118	170	10	2,00
M-S.-56	140	104	70	111	100	118	170	10	2,00
M-S.-66	140	104	70	111	100	118	170	10	2,00

M-SL.. SERIES (2 WAY)



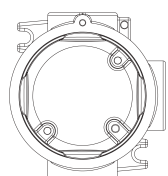
NPT Code	NPT Size	Metric Code	Metric Size
M-SL-36N	1"	M-SL-36M	M32x1,5
M-SL-46N	1 1/4"	M-SL-46M	M40x1,5
M-SL-56N	1 1/2"	M-SL-56M	M50x1,5
M-SL-66N	2"	M-SL-66M	M63x1,5

M-SC.. SERIES (2 WAY)



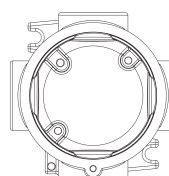
NPT Code	NPT Size	Metric Code	Metric Size
M-SC-36N	1"	M-SC-36M	M32x1,5
M-SC-46N	1 1/4"	M-SC-46M	M40x1,5
M-SC-56N	1 1/2"	M-SC-56M	M50x1,5
M-SC-66N	2"	M-SC-66M	M63x1,5

M-ST.. SERIES (3 WAY)



NPT Code	NPT Size	Metric Code	Metric Size
M-ST-36N	1"	M-ST-36M	M32x1,5
M-ST-46N	1 1/4"	M-ST-46M	M40x1,5
M-ST-56N	1 1/2"	M-ST-56M	M50x1,5
M-ST-66N	2"	M-ST-66M	M63x1,5

M-SX.. SERIES (4 WAY)



NPT Code	NPT Size	Metric Code	Metric Size
M-SX-36N	1"	M-SX-36M	M32x1,5
M-SX-46N	1 1/4"	M-SX-46M	M40x1,5
M-SX-56N	1 1/2"	M-SX-56M	M50x1,5
M-SX-66N	2"	M-SX-66M	M63x1,5

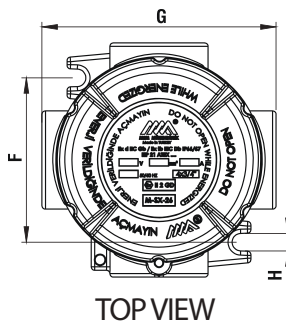
EX-PROOF JUNCTION BOXES / Ø 88 mm



Classification	Group II	Category 2G 2D	Directive:	2014/34/EU
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)	Certification:	IEP 21 ATEX 0909X
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T85°C Db	Degree Of Protection:	IP66 / IP67
Standards:	EN 60079-0; EN 60079-1; EN 60079-7; EN 60079-31		Ambient Temperature:	-60°C ~ +130°C

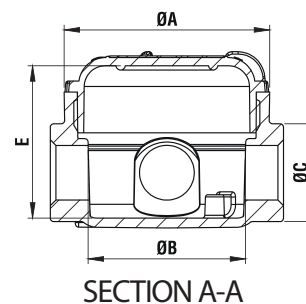
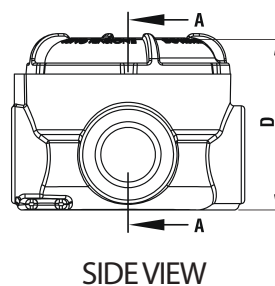
Mechanical Features

Body	Copper-Free Aluminum
Wall Thickness	3,5 mm
Screw	Stainless steel
Gasket	O-ring, Neoprene
Entry	NPT Thread ANSI B1.20.1
	GAS UNI ISO 228-1 (Optional)
	UNI ISO 7/1 (Optional)
	METRIC ISO 261/965 (Optional)



Electrical Features

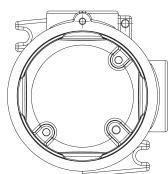
Voltage	750 V AC/DC max.
Frequency	50 / 60 Hz
Current	8 - 175 (A)
Max. Current Density	2.5 - 6.6 (A/mm²)
Terminal Cross Section	1.5; 2.5; 4; 6; 10; 16; 25; 35; 70 (mm²)



Technical Features

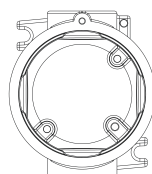
Type	ØA (mm)	ØB (mm)	ØC (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Weight (kg)
M-S.-16	88	73	42	75	65	70	100	7	0,60
M-S.-26	88	73	42	75	65	70	100	7	0,60

M-SL.. SERIES (2 WAY)



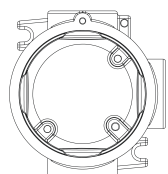
NPT Code	NPT Size	Metric Code	Metric Size
M-SL-16N	1/2"	M-SL-16M	M16x1,5
M-SL-26N	3/4"	M-SL-26M	M20x1,5

M-SC.. SERIES (2 WAY)



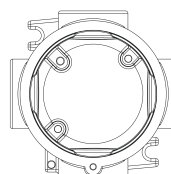
NPT Code	NPT Size	Metric Code	Metric Size
M-SC-16N	1/2"	M-SC-16M	M16x1,5
M-SC-26N	3/4"	M-SC-26M	M20x1,5

M-ST.. SERIES (3 WAY)



NPT Code	NPT Size	Metric Code	Metric Size
M-ST-16N	1/2"	M-ST-16M	M16x1,5
M-ST-26N	3/4"	M-ST-26M	M20x1,5

M-SX.. SERIES (4 WAY)



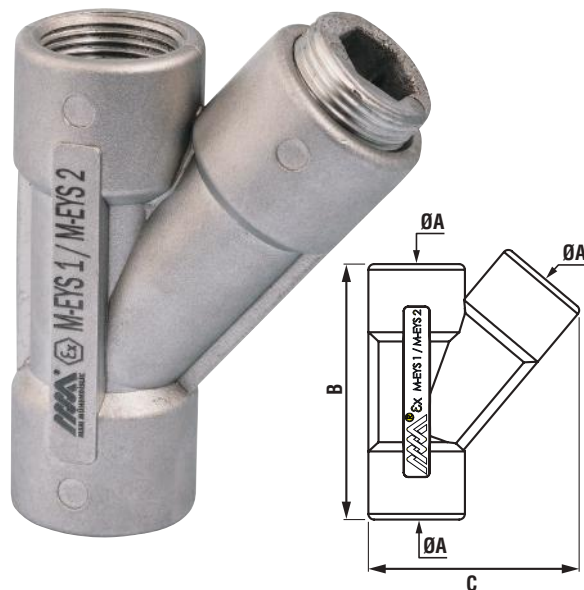
NPT Code	NPT Size	Metric Code	Metric Size
M-SX-16N	1/2"	M-SX-16M	M16x1,5
M-SX-26N	3/4"	M-SX-26M	M20x1,5

M-EYS SERIES EX-PROOF SEALING FITTINGS - VERTICAL

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC 80°C Db
Standards:	IEP 21 ATEX 0910U	IP66

General Features

Body	Copper-Free Aluminum
Entry	NPT Thread ANSI B1.20.1
	GAS UNI ISO 228-1 (Optional)
	UNI ISO 7/1 (Optional)
	METRIC ISO 261/965 (Optional)



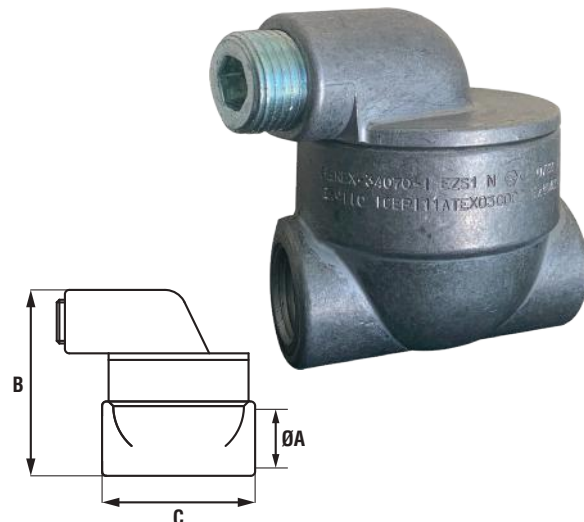
MSM Code NPT	NPT Size ØA	MSM Code Metric	Metric Size ØA	B (mm)	C (mm)	Sealing Compound (gr)	Weight (kg)
M-EYS1N	1/2" NPT	M-EYS1M	M20x1,5	90	74	50	0,150
M-EYS2N	3/4" NPT	M-EYS2M	M25x1,5	90	74	50	0,200

M-EZS SERIES EX-PROOF SEALING FITTINGS - HORIZONTAL

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC 80°C Db
Standards:	-	IP66

General Features

Body	Copper-Free Aluminum
Entry	NPT Thread ANSI B1.20.1
	GAS UNI ISO 228-1 (Optional)
	UNI ISO 7/1 (Optional)
	METRIC ISO 261/965 (Optional)



MSM Code NPT	NPT Size ØA	MSM Code Metric	Metric Size ØA	B (mm)	C (mm)	Sealing Compound (gr)	Weight (kg)
M-EZS1N	1/2" NPT	M-EZS1M	M20x1,5	83	72	150	0,26
M-EZS2N	3/4" NPT	M-EZS2M	M25x1,5	83	72	140	0,25
M-EZS3N	1" NPT	M-EZS3M	M32x1,5	92	74	140	0,27
M-EZS4N	1 1/4" NPT	M-EZS4M	M40x1,5	110	98	390	0,52
M-EZS5N	1 1/2" NPT	M-EZS5M	M50x1,5	110	98	390	0,48
M-EZS6N	2" NPT	M-EZS6M	M63x1,5	120	130	570	0,70

Note: For detailed information and ATEX documents of all our Exproof products visit our website "www.exproof.info"

MCK 1000 + MX COMPOUND - CATALYST

Compound	Weight (gr)
MCK 1000+MX	1000



Figure 1: Open the blind plug of the stopper and fill it tightly with fiber rope so that there are no gaps in it.

Figure 2: Mix the resin in the jar, pour catalyst B into jar A and stir for 2 minutes.

Figure 2a: For small applications, mix the required dose of resin A and catalyst B (100 A / 20 B) in a certain proportion.

Figure 2b: In small applications, choose to mix in a small box.

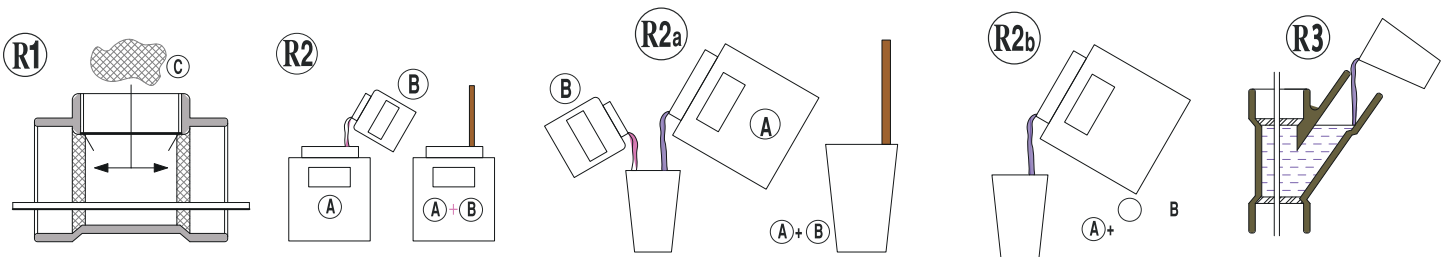
Figure 3: Fill the mixture to the level indicated in the figure and close the blind plug firmly after the process is finished.

The storage time of the prepared mixture is 15 min. The approximate freezing time in the stopper of the mixture is 36 hr.

Note: The recommended mixing temperature of the medium is +10°C +20°C.

Areas of use: Cable pulling is a compound liquid prepared by mixing after testing and checks are completed.

PREPARATION OF THE COMPOUND



Compound material: 800g resin, 160g Catalyst and 40g Fiber rope consists of three parts.

CRV420 / 1000 COMPOUND - CATALYST

Compound	Type	Weight (gr)
CRV420/1000	Liquid Freezer	1000
MR RESIN	Powder Freezer	1000
FV-10	Fiber Rope	1000

CRV420 series freezers are certified with EYS and EZS type stoppers, therefore they should be sold and used together. It is manufactured to prevent the passage of flammable explosive gases, vapors or flames through pipe systems. The mixture should be prepared as prescribed and filled to the capacity of the stopper to be used.

It is manufactured in two types as powder and liquid. Before pouring into the stopper, an appropriate amount of fiber rope squeezer should be filled and then the prepared mixture should be added.

CRV420/1000
Liquid Freezer



CATALYST



MR RESIN
Powder Freezer



FV10
Fiber Rope



PRO 1000 HARDENING RESIN

Compound	Weight (gr)
PRO 500	500
PRO 1000	1000

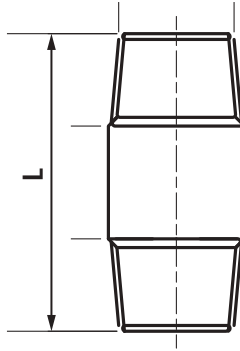


Protoline is a two-component substance.

A hardener component is added to the resin and mixed with a mixer to make it ready for use. It is a rigid (non-flexible) material.

It can be used in AG and OG cable joints, heads, Exproof M-EYS and M-EZS type stoppers for sealing purposes and similar places.

M-NP TYPE EX NIPPLES

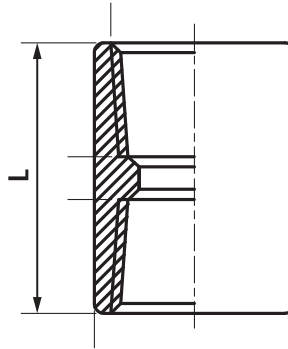


Technical Features

Type	M-NP Type Nipples NPT Thread
Classification	Ex I M2 Ex db I Mb / I M2 Ex eb I Mb / II 1D Ex ta IIIC Da II 2G Ex db IIC Gb / II 2G Ex eb II Gb
Certificate	IEP 21 ATEXX / Directive 2014/34/EU
Material	Galvanized Steel
Thread Type	NPT Thread ANSI B1.20.1
Standards	EN 60079-0 / EN 60079-1 / EN 60079-7 / EN 60079-31
IP standard	EN 60529 IP66
Applications Area	Group II-III / Gas & Dust, Zone 1-2 & 21-22 Gas Group IIA, IIB, IIC / Dust Group IIIA, IIIB, IIIC

MSM Code	NPT Size	Length L (mm)	Weight Kg
M-NP1N	1/2"	48	0,05
M-NP2N	3/4"	48	0,06
M-NP3N	1"	60	0,10
M-NP4N	1 1/4"	55	0,14
M-NP5N	1 1/2"	55	0,15
M-NP6N	2"	55	0,20
M-NP7N	2 1/2"	68	0,45
M-NP8N	3"	68	0,70
M-NP10N	4"	68	1,00

M-EM TYPE EX COUPLING



Technical Features

Type	M-EM Type Coupling NPT Thread
Classification	Ex I M2 Ex db I Mb / I M2 Ex eb I Mb / II 1D Ex ta IIIC Da II 2G Ex db IIC Gb / II 2G Ex eb II Gb
Certificate	IEP 21 ATEXX / Directive 2014/34/EU
Material	Galvanized Steel
Thread Type	NPT Thread ANSI B1.20.1
Standards	EN 60079-0 / EN 60079-1 / EN 60079-7 / EN 60079-31
IP standard	EN 60529 IP66
Applications Area	Group II-III / Gas & Dust, Zone 1-2 & 21-22 Gas Group IIA, IIB, IIC / Dust Group IIIA, IIIB, IIIC

MSM Code	NPT Size	Length L (mm)	Weight Kg
M-EM1N	1/2"	39	0,09
M-EM2N	3/4"	39	0,08
M-EM3N	1"	51	0,15
M-EM4N	1 1/4"	51	0,27
M-EM5N	1 1/2"	51	0,27
M-EM6N	2"	51	0,45
M-EM7N	2 1/2"	65	0,65
M-EM8N	3"	65	0,80
M-EM10N	4"	65	1,00



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BYS SERIES EX-PROOF FLUORESCENT FIXTURES - WITHOUT BALLAST (POLYESTER BODY)

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	ECM 24 ATEX-B US81	IP66

General Features

Body	Impact resistant fiberglass reinforced polyester
Diffuser	Polycarbonate, anti-glare
Gasket	Silicone rubber
Bolts and Screws	Stainless steel
Entry	2 x M25x1.5 cable gland (Cable tightening range: Ø10-14mm)
Mounting Method	Pendant, Ceiling, Chain, Wall, Pole



- **Special Locking Mechanism:** Sliding system operated with a hexagon head key. Safe micro switch that cuts off energy when the cover is opened.

MSM Code	Power T8	Power LED	Dimensions (mm)			Input Voltage	Input Frequency
			L	W	H		
BYS-600	2x18 W	2x8 W	798	208	120	50 - 60 Hz	50 - 60 Hz
BYS-1200	2x36 W	2x16 W	1380	208	120	50 - 60 Hz	50 - 60 Hz
BYS-1200-EM	2x36W (180 dk)	2x18W (180 dk)	1380	208	120	50 - 60 Hz	50 - 60 Hz

BYS-LED SERIES EXPROOF LED FLUORESCENT FIXTURES (POLYESTER BODY)

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	ECM 24 ATEX-B US81	IP66

General Features

Body	Impact resistant fiberglass reinforced polyester
Diffuser	Polycarbonate, anti-glare
Gasket	Silicone rubber
Bolts and Screws	Stainless steel
Entry	4 x M25x1.5 cable gland (Cable tightening range: Ø10-14mm)
Mounting Method	Pendant, Ceiling, Chain, Wall, Pole



- **Special Locking Mechanism:** Sliding system operated with a hexagon head key. Safe micro switch that cuts off energy when the cover is opened.

MSM Code	Power LED	Power Lümen	Dimensions (mm)			Input Voltage	Input Frequency
			L	W	H		
BYS-600-LED	25 W - 50 W	3.000 lm - 6.000 lm	798	208	120	AC100~277 V	50 - 60 Hz
BYS-1200-LED	50 W - 100 W	6.000 lm - 12.000 lm	1380	208	120	AC100~277 V	50 - 60 Hz

BPY SERIES EX-PROOF FLUORESCENT FIXTURES - WITHOUT BALLAST (ALUMINUM BODY)

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	ECM 24 ATEX-B US81	IP66

General Features

Body	Low copper aluminum alloy
Diffuser	Impact and high temperature resistant borosilicate glass
Gasket	Silicone rubber
Bolts and Screws	Stainless steel
Entry	1 x 1/2" NPT
Mounting Method	Pendant, Ceiling, Chain, Wall, Pole



MSM Code	Power T8	Power LED	Dimensions (mm)			Input Voltage	Input Frequency
			L	W	H		
BPS-600-Double	2x18-20 W	2x8 W	710	635	145/210	220V AC	50 - 60 Hz
BPY-900-Double	2x30 W	2x12 W	1050	940	145/210	220V AC	50 - 60 Hz
BPY-1200-Double	2x36-40 W	2x16 W	1320	1235	145/210	220V AC	50 - 60 Hz

GYD 930 LED LINEAR SERIES EX-PROOF FIXTURES (ALUMINUM BODY)

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	ECM 24 ATEX-B US81	IP66

General Features

Body	Low copper aluminum alloy
Glass	Impact and high temperature resistant borosilicate glass
Gasket	Silicone rubber
Bolts and Screws	Stainless steel
Entry	M20x1.5
Mounting Method	Ceiling; Chain; Wall.



MSM Code	Power LED	Power Lumen	Color Temperature (Kelvin - K)	Dimensions (mm)			Input Voltage	Input Frequency
				L	W	H		
GYD930-1	50 W	6.250 lm	5500 - 6000	400	143	75	100-240V AC, 24 VDC	50 - 60 Hz
GYD930-2	80 W	10.000 lm	5500 - 6000	600	143	75	100-240V AC, 24 VDC	50 - 60 Hz
GYD930-3	100 W	12.500 lm	5500 - 6000	900	143	75	100-240V AC, 24 VDC	50 - 60 Hz

GYD680 SERIES EX-PROOF LED FLOODLIGHT (ALUMINUM BODY)

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust) / IP66
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	ECM 24 ATEX-B US81	IECEx CNEX 23.0009X

General Features

Body	Low copper aluminum alloy
Glass	Impact and high temperature resistant borosilicate glass
Gasket	Silicone rubber
Bolts and Screws	Stainless steel
Entry	1 x 3/4" NPT
Mounting Method	Ceiling, Wall, Pole



MSM Code	Power LED	Power Lumen	Color Temperature (Kelvin - K)	Dimensions (mm)			Input Voltage	Input Frequency
				L	W	H		
GYD680-1	50 W	6.500 lm	5500 - 6000	Ø260	Ø260	250	100 - 240V AC	50 - 60 Hz
GYD680-2	100 W	13.000 lm	5500 - 6000	Ø260	Ø260	250	100 - 240V AC	50 - 60 Hz
GYD680-3	150 W	19.500 lm	5500 - 6000	Ø300	Ø300	250	100 - 240V AC	50 - 60 Hz

GYD620 SERIES EX-PROOF LED FLOODLIGHT (ALUMINUM BODY)

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	ECM 24 ATEX-B US81	IP66

General Features

Body	Low copper aluminum alloy
Glass	Impact and high temperature resistant borosilicate glass
Gasket	Silicone rubber
Bolts and Screws	Stainless steel
Entry	1 x 3/4" NPT
Mounting Method	Ceiling, Wall, Pole



MSM Code	Power LED	Power Lumen	Color Temperature (Kelvin - K)	Dimensions (mm)			Input Voltage	Input Frequency
				L	W	H		
GYD620-0	50 W	6.250 lm	5500 - 6000	Ø270	Ø270	170	100 - 240V AC	50 - 60 Hz
GYD620-1	100 W	12.500 lm	5500 - 6000	Ø320	Ø320	170	100 - 240V AC	50 - 60 Hz
GYD620-2	150 W	18.750 lm	5500 - 6000	Ø360	Ø360	170	100 - 240V AC	50 - 60 Hz
GYD620-3	200 W	25.000 lm	5500 - 6000	Ø360	Ø360	170	100 - 240V AC	50 - 60 Hz
GYD620-4	240 W	30.000 lm	5500 - 6000	Ø400	Ø400	175	100 - 240V AC	50 - 60 Hz

GYD780L SERIES EX-PROOF STREET LIGHTINGS (ALUMINUM BODY)

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	ECM 24 ATEX-B US81	IP66

General Features

Body	Low copper aluminum alloy
Glass	Impact and high temperature resistant borosilicate glass
Gasket	Silicone rubber
Bolts and Screws	Stainless steel
Entry	1 x Ø60 mm
Mounting Method	Pole



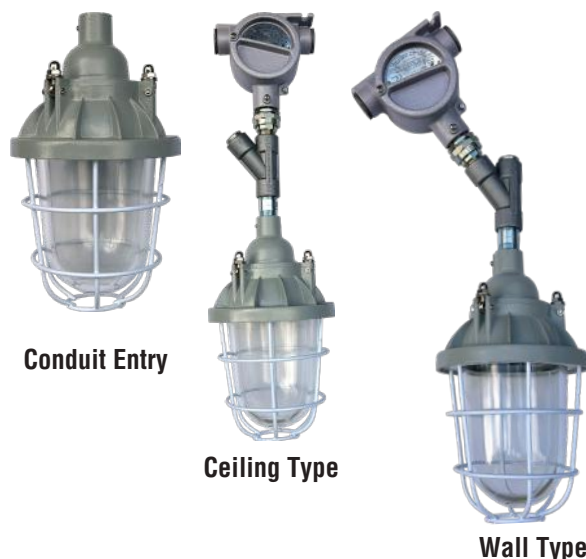
MSM Code	Power LED	Power Lumen	Color Temperature (Kelvin - K)	Dimensions (mm)			Input Voltage	Input Frequency
				L	W	H		
GYD7801L	50 W	6.000 lm	5500-6000	Ø350	Ø250	181	100 - 240V AC	50 - 60 Hz
GYD7802L	100 W	12.000 lm	5500-6000	Ø350	Ø250	185	100 - 240V AC	50 - 60 Hz
GYD7803L	150 W	18.000 lm	5500-6000	Ø430	Ø290	190	100 - 240V AC	50 - 60 Hz

BCD SERIES EX-PROOF GLOB LIGHTINGS (ALUMINUM BODY)

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	ECM 24 ATEX-B US81	IP66

General Features

Body	Low copper aluminum alloy
Glass	Impact and high temperature resistant borosilicate glass
Gasket	Silicone rubber
Bolts and Screws	Stainless steel
Entry	1 x 3/4" NPT
Mounting Method	Ceiling, Wall, Conduit Entry



MSM Code	LED Bulb	Energy Saving Bulb	Metal Halide Bulb	Sodium Vapor Bulb	Input Voltage	Input Frequency	Weight (Kg)
BCD-100	E27-8 W	E27-15 W	—	—	220V AC	50 - 60 Hz	1.40
BCD-200	E27-15 W	E27-36 W	E27 (70/100/150 W)	E27 (70/100/150 W)	220V AC	50 - 60 Hz	2.00
BCD-200B	E27-15 W	E27-36 W	E27 (100/150/175 W)	E27 (100/150/175 W)	220V AC	50 - 60 Hz	2.87
BCD-250	E40-36 W	E40-105 W	E40 (250 W)	E40 (250 W)	220V AC	50 - 60 Hz	3.78
BCD-400	—	E40-150 W	E40 (400 W)	E40 (400 W)	220V AC	50 - 60 Hz	6.31

BCJ SERIES EX-PROOF EMERGENCY LIGHTING FIXTURES

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	ECM 24 ATEX-B US81	IP66

General Features

Body	Low copper aluminum alloy
Glass	Impact and high temperature resistant borosilicate glass
Gasket	Silicone rubber
Bolts and Screws	Stainless steel
Entry	1 x 3/4" NPT
Mounting Method	Pendant, Ceiling, Wall



MSM Code	Power LED	Dimensions (mm)			Input Voltage	Input Frequency	Battery Time	Weight (Kg)
		L	W	H				
BCJ	2x3 W	243	570	55	220V AC	50-60 Hz	120 min.	2,60

NOTE: • Internal maintenance-free battery pack, the battery is automatically charged when power is applied.

Emergency light turns on when power is cut.

- Equipped with Ex buzzer with 65dB-85dB sound. When the product is in fault condition, it will work for 1-3 seconds every minute.
- Lamp head can be rotated 270° from top to bottom and has a wide lighting range. Easy to install.
- Main power, charging, fault LED indicator allows you to easily know the status of the light.

BYJ SERIES EX-PROOF EXIT

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	ECM 24 ATEX-B US81	IP66

General Features

Body	Low copper aluminum alloy
Glass	Impact and high temperature resistant borosilicate glass
Gasket	Silicone rubber
Bolts and Screws	Stainless steel
Entry	1 x 3/4" NPT
Mounting Method	Pendant, Ceiling, Wall



TYPE-C



TYPE-B

MSM Code	Power LED	Dimensions (mm)			Input Voltage	Input Frequency	Battery Time	Weight (Kg)
		L	W	H				
BYJ	3 W	374	165	65	220V AC	50-60 Hz	120 min.	3,25
BYJ-B	3 W	374	165	65	220V AC	50-60 Hz	120 min.	3,25
BYJ-C	3 W	374	165	65	220V AC	50-60 Hz	120 min.	3,25

NOTE: • Internal maintenance-free battery pack, the battery automatically charges when power is applied.

Emergency light turns on when power is cut.

- Main, charge, fault LED indicator allows you to easily know the status of the light.

GYJ SERIES EX-PROOF SIREN (90 dB / 120 dB / 180 dB)

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	ECM 24 ATEX-B US81	IP66

General Features

Body	Special aluminum alloy, anti-corrosion electrostatic Dust paint.
Glass	Impact and high temperature resistant borosilicate glass, transparent cover.
Gasket	Silicone rubber.
Bolts and Screws	Stainless steel.
Entry	1 x 3/4" NPT.
Mounting Method	Ceiling; Wall mounted.



GYJ-I Series (90 dB)



GYJ-II Series (120 dB)



GYJ-III Series (180 dB)

	24V				220V			
GYJ-I Series 90 dB	GYJ-I-24R 24V	GYJ-I-24G 24V	GYJ-I-24Y 24V	GYJ-I-24B 24V	GYJ-I-220R 220V	GYJ-I-220G 220V	GYJ-I-220Y 220V	GYJ-I-220B 220V
Color	Red	Green	Yellow	Blue	Red	Green	Yellow	Blue
Power	5-10 W	5-10 W	5-10 W	5-10 W	5-10 W	5-10 W	5-10 W	5-10 W
Noise Level	90 dB	90 dB	90 dB	90 dB	90 dB	90 dB	90 dB	90 dB
Weight	1,80 kg	1,80 kg	1,80 kg	1,80 kg	1,80 kg	1,80 kg	1,80 kg	1,80 kg

GYJ-II Series 120 dB	GYJ-II-24R 24V	GYJ-II-24G 24V	GYJ-II-24Y 24V	GYJ-II-24B 24V	GYJ-II-220R 220V	GYJ-II-220G 220V	GYJ-II-220Y 220V	GYJ-II-220B 220V
Color	Red	Green	Yellow	Blue	Red	Green	Yellow	Blue
Power	5 W	5 W	5 W	5 W	5 W	5 W	5 W	5 W
Noise Level	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB
Weight	2,70 kg	2,70 kg	2,70 kg	2,70 kg	2,70 kg	2,70 kg	2,70 kg	2,70 kg

GYJ-III Series 180 dB	GYJ-III-24R 24V	GYJ-III-24G 24V	GYJ-III-24Y 24V	GYJ-III-24B 24V	GYJ-III-220R 220V	GYJ-III-220G 220V	GYJ-III-220Y 220V	GYJ-III-220B 220V
Color	Red	Green	Yellow	Blue	Red	Green	Yellow	Blue
Power	40 W	40 W	40 W	40 W	40 W	40 W	40 W	40 W
Noise Level	180 dB	180 dB	180 dB	180 dB	180 dB	180 dB	180 dB	180 dB
Weight	3,70 kg	3,70 kg	3,70 kg	3,70 kg	3,70 kg	3,70 kg	3,70 kg	3,70 kg

AC SERIES EX-PROOF PLUGS – SOCKETS (ALUMINUM BODY)

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	0H230103.CEL0021	IP66

General Features

Body	Low copper aluminum alloy.
Gasket	Silicone rubber.
Bolts and Screws	Stainless steel.

NOTE:

- Plug and socket set is sold.
- Due to its special locking mechanism, it cannot be coupled with different brand products.



MSM Code	Current	Poles	Entry	Cable Gland Tightening Range	Input Voltage	Input Frequency
AC-16	16 A	2P+PE	1x3/4"	Ø9 - Ø14 mm	220V AC	50 - 60 Hz
AC-32	32 A	3P+N+PE	1x1 1/4"	Ø14 - Ø25 mm	380V AC	50 - 60 Hz

AC8060 SERIES EX-PROOF PLUGS – SOCKETS (POLYESTER BODY)

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	0H230103.CEL0021	IP66

General Features

Body	Black, impact resistant fiberglass reinforced polyester.
Gasket	Silicone rubber.
Bolts and Screws	Stainless steel.
Mounting Method	Wall mounted

NOTE:

- Plug and socket set is sold.
- Due to its special locking mechanism, it cannot be coupled with different brand products.



MSM Code	Current	Poles	Entry	Cable Gland Tightening Range	Input Voltage	Input Frequency
AC8060-16	16 A	2P+PE	1x3/4"	Ø3 - Ø14 mm	220V AC	50 - 60 Hz
AC8060-16	16 A	3P+N+PE	1x3/4"	Ø3 - Ø14 mm	220V AC	50 - 60 Hz
AC8060-32	32 A	3P+N+PE	1x1"	Ø11 - Ø18 mm	380V AC	50 - 60 Hz
AC8060-63	63 A	3P+N+PE	1x1 1/2"	Ø17 - Ø28 mm	380V AC	50 - 60 Hz

ZXF8030 SERIES EX-PROOF CONTROL BOXES

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	0H230103.CEL0021	IP65

General Features

Body	Black, impact resistant fiberglass reinforced polyester.
Gasket	Silicone rubber.
Bolts and Screws	Stainless steel. 1x3/4" Cable gland included.
Mounting Method	Wall mounted.



MSM Code	Description	Entry	Input Voltage	Weight (kg)
ZXF8030-1	Ex Switch 0-1 Control Box	1x3/4"	10A - Max 415V AC	0,65
ZXF8030-2	Ex Emergency Stop Control Box	1x3/4"	10A - Max 415V AC	0,65
ZXF8030-3	Ex Start-Stop Control Box	1x3/4"	10A - Max 415V AC	0,85
ZXF8030-4	Ex Start- Stop-Emergency Stop Control Box	1x3/4"	10A - Max 415V AC	1,10
ZXF8030-5	Ex Start-Stop-Signal Control Box	1x3/4"	10A - Max 415V AC	1,10
ZXF8030-6	Ex Start-Stop-Signal-0/1 Switch Control Box	1x3/4"	10A - Max 415V AC	1,40

CJX SERIES EX-PROOF TERMINAL BOXES

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db eb IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	ECM 22 ATEX-B 0032	IP66

General Features

Body	Black, impact resistant fiberglass reinforced polyester.
Gasket	Silicone rubber.
Bolts and Screws	Stainless steel.
Mounting Method	Wall mounted.



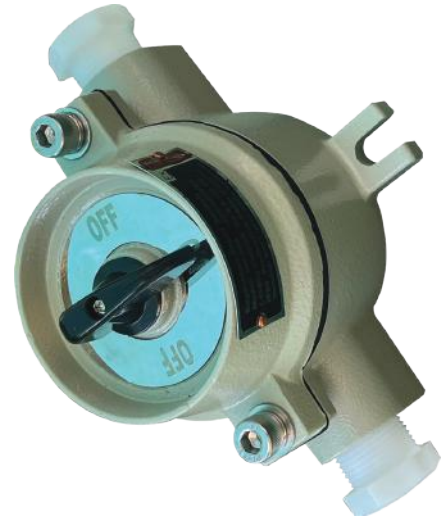
MSM Code	Dimensions (mm)	Weight (kg)	MSM Code	Dimensions (mm)	Weight (kg)
CJX-1	105x85x85	1,00	CJX-5	360x360x130	5,20
CJX-2	210x85x85	1,20	CJX-6	420x300x190	6,50
CJX-3	210x130x110	1,50	CJX-7	460x320x170	6,50
CJX-4	330x225x120	3,10	CJX-8	720x360x240	15,00

SW-10 SERIES EX-PROOF SWITCHES (ALUMINUM BODY)

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	0H230103.CEL0021	IP65

General Features

Body	Low copper aluminum alloy.
Gasket	Silicone rubber.
Bolts and Screws	Stainless steel.



MSM Code	Current	Poles	Entry	Cable Gland Tightening Range	Input Voltage	Input Frequency
SW-10	16 A	0-1	2x3/4"	Ø9 - Ø14 mm	220V AC	50 - 60 Hz

BNG SERIES EX-PROOF STAINLESS STEEL FLEXIBLE CONDUITS

Classification	Group II	Category 2G 2D
Installation:	Zone 1 / 2 (Gas)	Zone 21 / 22 (Dust)
Marking:	II 2G Ex db IIC T6 Gb	II 2D Ex tb IIIC T80°C Db
Standards:	0H230103.CEL0021	IP65

General Features

- BNG type spiral hoses are manufactured from 304 quality stainless material.
- Both ends of spiral hoses have 304 stainless fittings.
- The fittings are movable and Male-Male, and can be used as Male-Female or Female-Female by removing the nipples at the end.
- It can be manufactured with Gas thread and different lengths upon request.



MSM Code	Thread Size	Length (cm)	Min. Bending Diameter (mm)	MSM Code	Thread Size	Length (cm)	Min. Bending Diameter (mm)
BNG-1-50	1/2" NPT	50	80	BNG-1-100	1/2" NPT	100	80
BNG-2-50	3/4" NPT	50	110	BNG-2-100	3/4" NPT	100	110
BNG-3-50	1" NPT	50	145	BNG-3-100	1" NPT	100	145
BNG-4-50	1 1/4" NPT	50	180	BNG-4-100	1 1/4" NPT	100	180
BNG-5-50	1 1/2" NPT	50	210	BNG-5-100	1 1/2" NPT	100	210
BNG-6-50	2" NPT	50	250	BNG-6-100	2" NPT	100	250
BNG-8-50	3" NPT	50	400	BNG-8-100	3" NPT	100	400
BNG-9-50	4" NPT	50	500	BNG-9-100	4" NPT	100	500



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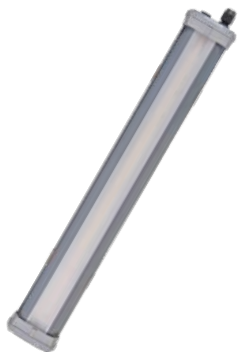
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- ◆ Ex-Proof Switches
- ◆ Ex-Proof Plugs & Sockets
- ◆ Ex-Proof Warning Systems
- ◆ Ex-Proof Other Products

LifEx-PE SERIES EX LED LINEAR LIGHTING FIXTURES



- GAS:** II2G Ex db eb mb IIC T.. Gb
Dust: II2D Ex tb IIIC T..°C Db IP66
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: CML 21 ATEX 31405X
IECEx: IECEx CML 21.0168X
- UV resistant, IK09 impact resistant, RAL 7015 and **7045 GRP Grey body.**
 - Transparent polycarbonate UV and impact resistant IK09 glass.
 - 2 x M20x1.5 entry.
 - Including 1 Cable Gland and 1 Blind Plug.

Code No	Watt	Lumen (lm)	Weight (kg)	Input Voltage
LifEx-PE-0315	15 W	1586	2,2	220-240V AC
LifEx-PE-0330	30 W	2957	2,2	220-240V AC
LifEx-PE-0615	15 W	1637	2,5	220-240V AC
LifEx-PE-0630	30 W	3220	2,8	110-277V AC
LifEx-PE-0645	45 W	5037	2,8	110-277V AC
LifEx-PE-0660	60 W	6548	2,8	110-277V AC
LifEx-PE-1230	30 W	3091	4,3	110-277V AC
LifEx-PE-1260	60 W	6390	4,3	110-277V AC
LifEx-PE-1290	90 W	9503	4,3	120-277V AC
LifEx-PE-12120	120 W	12449	4,3	220-277V AC

LifEx-ME SERIES EX LED LINEAR LIGHTING FIXTURES



- GAS:** II2G Ex db eb mb IIC T.. Gb
Dust: II2D Ex tb IIIC T..°C Db IP66
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: CML 20 ATEX 3018X
IECEx: CML 20.0008X
- Corrosion resistant **Aluminum alloy outer body.**
 - Impact, impact and UV resistant glass.
 - 2 x M20x1.5 entry.
 - Including 1 Cable Gland and 1 Blind Plug.

Code No	Watt	Lumen (lm)	Weight (kg)	Input Voltage
LifEx-ME-0315	15 W	1865	1,5	220-240V AC
LifEx-ME-0615	15 W	2008	2,5	220-240V AC
LifEx-ME-0630	30 W	3677	2,5	110-277V AC
LifEx-ME-0645	45 W	6200	2,5	110-277V AC
LifEx-ME-0660	60 W	8011	2,5	110-277V AC
LifEx-ME-1230	30 W	4112	3,5	110-277V AC
LifEx-ME-1260	60 W	8316	3,5	110-277V AC
LifEx-ME-1290	90 W	12228	3,5	220-240V AC
LifEx-ME-12120	120 W	16029	3,4	220-240V AC
LifEx-ME-1590	90 W	11926	4,0	220-240V AC

RB LED SERIES EX LED FLUORESCENT FIXTURES



- GAS:** II2G Ex e d mb IIC T4 Gb
Dust: II2D Ex tb IIIC T135°C Db IP66
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: ExVeritas 17 ATEX 0288 X
- Corrosion resistant **GRP Grey body.**
 - Transparent polycarbonate and impact resistant glass.
 - 4 x M20x1.5 entry.

Code No	A (mm)	B (mm)	C (mm)	Lamp Power
RB 250 LED	1310	145	210	2x50 W - 11200 lm
RB 150 LED	1310	145	210	1x50 W - 5600 lm
RB 230 LED	1310	145	210	2x30 W - 7000 lm

1-RB...LED MS : Cover Micro Switch

2-RB...LED EM2H: Emergency Kit 2 Hours

3-RB...LED EM3H: Emergency Kit 3 Hours

FLF...L SERIES EX LED FLUORESCENT FIXTURES



- GAS:** II2G Ex db op is IIC T6 Gb
Dust: II2D Ex tb op is IIIC T..°C Db IP66
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: CESI 09 ATEX 008
IECEx: CES 11.0021
- Corrosion resistant **aluminum alloy outer body.**
 - Impact and high temperature resistant borosilicate glass.
 - 2 x 3/4" entry.

Code No	Watt	Lumen (lm)	Weight (kg)	Input Voltage
FLF-111L	11 W	925	4,5	220-240V AC
FLF-211L	11 W	1850	4,5	220-240V AC
FLF-122L	22 W	2150	7,3	220-240V AC
FLF-222L	22 W	4300	7,3	220-240V AC
FLF-131L	31 W	2700	9,0	220-240V AC
FLF-231L	31 W	5400	9,0	220-240V AC

NOTE: For detailed information and ATEX documents of all our Exproof products, please visit our website www.exproof.info.

SLED SERIES EX LED FLOODLIGHT



- GAS:** II2G Ex de IIB+H 2 T5/T6 Gb
Dust: II2D Ex tb IIIC T..°C Db IP66
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: CEC 15 ATEX 178
IECEx: IECEx CML 17.0004
- Corrosion resistant aluminum alloy outer body.
 - Impact and temperature resistant tempered glass.
 - 2 x M20x1.5 entry.

Code No	Watt	Lumen (lm)	Weight (kg)	Input Voltage
SLED-250	122 W	12387	13,5	100-277V AC
SLED-400	194 W	20744	20,3	120-277V AC
SLED-600	290 W	30799	32,4	120-277V AC

EVL SERIES EX LED FLOODLIGHT



- GAS:** II2G Ex de IIC T.. Gb
Dust: II2D Ex tb IIIC T..°C Db IP66
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: ITS 14 ATEX 1814
IECEx: IECEx ITS 14.0061
- Corrosion resistant aluminum alloy outer body.
 - Impact and temperature resistant tempered glass.
 - 2 x M20x1.5 entry.

Code No	Watt	Lumen (lm)	Weight (kg)	Input Voltage
EVL-60	27 W	3140	3,5	120-277V AC
EVL-70	53 W	6564	5,2	120-277V AC
EVL-80	86 W	9732	7,2	220-240V AC
EVL-100	154 W	19125	11,2	100-277V AC

FLOWEX SERIES EX LED FLOODLIGHT



- GAS:** II2G Ex db eb mb IIC T.. Gb
Dust: II2D Ex tb IIIC T..°C Db - IP66
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: CML 21 ATEX 3606X
IECEx: IECEx CML 21.0070X
- Corrosion resistant aluminum alloy outer body.
 - Impact and temperature resistant tempered glass.
 - 1 x M20x1.5 entry.

Code No	Watt	Lumen (lm)	Weight (kg)	Input Voltage
FLOWEX-ME-060030	30 W	4785	3,2	100-277V AC
FLOWEX-ME-060040	40 W	5531	3,2	100-277V AC
FLOWEX-ME-060050	50 W	6389	3,2	100-277V AC
FLOWEX-ME-060060	60 W	7285	3,2	100-277V AC
FLOWEX-ME-080070	70 W	9547	4,2	100-277V AC
FLOWEX-ME-080080	80 W	10646	4,2	100-277V AC
FLOWEX-ME-080090	90 W	11641	4,2	100-277V AC
FLOWEX-ME-080100	100 W	12708	4,2	100-277V AC
FLOWEX-ME-100120	120 W	17687	7,8	100-277V AC
FLOWEX-ME-100140	140 W	20154	7,8	100-277V AC
FLOWEX-ME-100160	160 W	22422	7,8	100-277V AC
FLOWEX-ME-100180	180 W	24218	7,8	100-277V AC
FLOWEX-ME-100200	200 W	25709	7,8	100-277V AC
FLOWEX-ME-100220	220 W	27961	7,8	100-277V AC

LFED SERIES EX LED FLOODLIGHT



- GAS:** II2G Ex db op is IIB+H2 T6 Gb
Dust: II2D Ex tb op is IIIC T..°C Db IP66
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: EPT 18 ATEX 2969 X
IECEx: IECEx SEV 18.0018X
- Corrosion resistant aluminum alloy outer body.
 - Impact and temperature resistant tempered glass.
 - 2 x M20x1.5 entry.

Code No	Watt	Version	Input Voltage
LFED-112	12 W	Normal	110-240V AC
LFED-112E	12 W	Emergency	110-240V AC
LFED-112N	12 W	Normal+Emergency	110-240V AC

empty	=	EXIT	=	EXIT
/S	=	←	=	EXIT FROM THE LEFT
/D	=	→	=	EXIT FROM THE RIGHT
/G	=	↓	=	GO STRAIGHT AHEAD
/T	=		=	TRANSPARENT

NOTE: For detailed information and ATEX documents of all our Exproof products, please visit our website www.exproof.info.

BJD 81 SERIES EX-PROOF CAUTION LIGHT



- GAS:** II2G Ex d IIC T6 Gb
Dust: II2D Ex tb IIIC T180°C Db
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: LCIE 11 ATEX 3109X
IECEX: IECEX CQM 12.0038X
- Corrosion resistant aluminum alloy outer body.
 - Impact resistant toughened glass.
 - 150/min flash flash,
 - 220V AC and 24V DC options, 4x3/4" entry.

24V Code No	Color	Lamp Power	Dimensions (mm)	Weight (kg)
BJD81-R-24V	Kırmızı	3W LED	Ø146x230	2,50
BJD81-Y-24V	Sarı	3W LED	Ø146x230	2,50
BJD81-G-24V	Yeşil	3W LED	Ø146x230	2,50
BJD81-B-24V	Mavi	3W LED	Ø146x230	2,50
220V Code No	Color	Lamp Power	Dimensions (mm)	Weight (kg)
BJD81-R-220V	Kırmızı	3W LED	Ø146x230	2,50
BJD81-Y-220V	Sarı	3W LED	Ø146x230	2,50
BJD81-G-220V	Yeşil	3W LED	Ø146x230	2,50
BJD81-B-220V	Mavi	3W LED	Ø146x230	2,50

BDD81 SERIES LIGHTING FIXTURES



- GAS:** II2G Ex d IIC T4 Gb
Dust: II2D Ex t IIIC T130°C Db IP66
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: LCIE 11 ATEX 3110X
IECEX: —
- Corrosion resistant aluminum alloy outer body.
 - Impact resistant toughened glass.
 - 220-240V AC, 50/60 Hz.
 - Ceiling type mounting.
 - 4x3/4" entry.

Code No	E27 Bulb	LED Bulb	Dimensions (mm)	Weight (kg)
BDD81-LED	25 W	3 W	Ø146x250	2,50
CEILING TYPE	40 W	5 W	Ø146x250	2,50
	60 W	8 W	Ø146x250	2,50
	100W	—	Ø146x250	2,50
BDD81-H	Hooked	Portable	Ø146x330	2,70
BDD81-G	J.Box	Pendant Type	Ø146x715	4,50

BBJ81 SERIES EX-PROOF CAUTION LIGHT WITH SIREN



- GAS:** II2G Ex d ib IIC T6 Gb
Dust: II2D Ex t IIIC T80 Db IP66
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: LCIE 11 ATEX 3111X
IECEX: IECEX CQM 12.0035X
- Corrosion resistant aluminum alloy outer body.
 - Impact resistant toughened glass.
 - 150/min flash, 100~120 dB (R=1m)
 - 220V AC and 24V DC options, 3x3/4" entry.

24V Code No	Color	Lamp Power	Dimensions (mm)	Weight (kg)
BBJ81-R-24V	Kırmızı	5W LED	Ø146x230	2,60
BBJ81-Y-24V	Sarı	5W LED	Ø146x230	2,60
BBJ81-G-24V	Yeşil	5W LED	Ø146x230	2,60
BBJ81-B-24V	Mavi	5W LED	Ø146x230	2,60
220V Code No	Color	Lamp Power	Dimensions (mm)	Weight (kg)
BBJ81-R-220V	Kırmızı	5W LED	Ø146x230	2,60
BBJ81-Y-220V	Sarı	5W LED	Ø146x230	2,60
BBJ81-G-220V	Yeşil	5W LED	Ø146x230	2,60
BBJ81-B-220V	Mavi	5W LED	Ø146x230	2,60

EV.. SERIES LIGHTING FIXTURES



- GAS:** II 2G Ex d IIC T.. Gb
Dust: II 2D Ex tb IIIC T.. °C Db
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: CESI 12 ATEX 006
IECEX: IECEX CES 07.0004
- Corrosion resistant aluminum alloy outer body.
 - RAL 7035 (Light gray) painted.
 - Impact and high temperature resistant borosilicate glass.
 - 3/4" NPT entry.

Code No	Mounting Type	Dimensions (mm)	Lamp Holder	Weight (kg)
EVA-5050	Conduit Entry	Ø150x261	E27	2,00
EVA-5060	Conduit Entry	Ø170x323	E27	2,70
EVX-5050	Ceiling Type	Ø150x260	E27	2,40
EVX-5060	Ceiling Type	Ø170x322	E27	3,20
EVGC-5050	Hanger Hook	Ø150x296	E27	2,10
EVGC-5060	Hanger Hook	Ø170x358	E27	2,80
EVIX-5050	Wall Type	Ø150x285	E27	2,90
EVIX-5060	Wall Type	Ø170x339	E27	3,70

NOTE: For detailed information and ATEX documents of all our Exproof products, please visit our website www.exproof.info.

SPH SERIES EX-PROOF FLEXIBLE CONDUITS



GAS: II2G Ex db IIB Gb Ex tb IIIC Db
Dust: II2D Ex db IIC Gb Ex tb IIIC Db
 Zone 1 - Zone 21 - Zone 2 - Zone 22

ATEX: CESI 00 ATEX 048U

IECEx: IECEx CES 14.0011U

- Spiral conduits are manufactured from 304 quality stainless material.
- Both ends of spiral conduits have self-fixing male-male galvanized fittings.

50 cm Code No	100 cm Code No	Thread Size	Ø min. Inner Diameter	Bending Diameter (mm)
SPH15G	SPH110G	1/2"	12,0	40
SPH25G	SPH210G	3/4"	16,0	60
SPH35G	SPH310G	1"	25,1	75
SPH45G	SPH410G	1 1/4"	32,2	90
SPH55G	SPH510G	1 1/2"	38,2	110
SPH65G	SPH610G	2"	50,1	150
SPH75G	SPH710G	2 1/2"	63,1	200
SPH85G	SPH810G	3"	73,1	225
SPH105G	SPH1010G	4"	100,1	280

EYS / EZS SERIES EX-PROOF SEALING FITTINGS



GAS: II2G Ex d IIC Gb

Dust: II2D Ex td IIIC Db IP66

Zone 1 - Zone 21 - Zone 2 - Zone 22

ATEX: CESI 03 ATEX 085

IECEx: CESI 03 ATEX 085

- Corrosion resistant aluminum alloy outer body.
- Standard ISO 7/1 thread.
- NPT thread can be produced upon request.

Vertical Code No	Sealing Compound (gr)	Horizontal Code No	Sealing Compound (gr)	Thread Size
EYS1	35	EZS1	150	1/2"
EYS2	50	EZS2	140	3/4"
EYS3	100	EZS3	140	1"
EYS4	240	EZS4	390	1 1/4"
EYS5	240	EZS5	390	1 1/2"
EYS6	380	EZS6	570	2"
EYS7	1250	EZS7	1000	2 1/2"
EYS8	1250	EZS8	1000	3"
EYS10	1500	EZS10	1250	4"

ELF SERIES EX-PROOF ELBOW



GAS: II2G Ex db IIC Gb

Dust: II2D Ex tb IIIC Db IP66/67

Zone 1 - Zone 21 - Zone 2 - Zone 22

ATEX: CESI 01 ATEX 104U

IECEx: IECEx CES 15.0005U

- Corrosion resistant aluminum alloy outer body.
- Standard ISO 7/1 thread.
- NPT thread can be produced upon request.

Code No	Thread Size	A (mm)	H (mm)	R (mm)
ELF1	1/2"	60	45	30
ELF2	3/4"	75	55	30
ELF3	1"	85	65	35
ELF4	1 1/4"	100	75	50
ELF5	1 1/2"	110	87	50
ELF6	2"	135	98	60
ELF7	2 1/2"	175	135	65
ELF8	3"	210	160	85
ELF10	4"	270	200	150

LBH SERIES EX-PROOF CABLE PULLING BOXES



GAS: II2G Ex d IIB

Dust: —

Zone 1 - Zone 2

ATEX: II 2 G Ex d IIB

IECEx: —

- Corrosion resistant aluminum alloy outer body.
- Standard ISO 7/1 thread.
- NPT thread can be produced upon request.

Code No	Thread Size	A (mm)	H (mm)	R (mm)
LBH1	1/2"	70	165	21
LBH2	3/4"	70	165	21
LBH3	1"	70	168	30
LBH4	1 1/4"	100	230	50
LBH5	1 1/2"	110	265	70
LBH6	2"	110	265	70
LBH7	2 1/2"	136	363	96
LBH8	3"	136	363	96
LBH10	4"	181	720	125

NOTE: For detailed information and ATEX documents of all our Exproof products, please visit our website www.exproof.info.

SAG SERIES EX PLUG-SOCKET COMBINATION BOXES



GAS: II2G Ex eb IIC T6/T5/T4 Gb
: II2D Ex tb IIIC T..°C Db IP66
Zone 1 - Zone 21 - Zone 2 - Zone 22

ATEX: CECI 03 ATEX 333

IECEx: IECEx CES 13.0001

- Corrosion resistant aluminum alloy outer body.
- Sockets, wall type mounting ears.
- Special locking mechanism.

Code No	Panel External Dimensions	Plug-Socket Scope
SAG-302318	305x230x180 mm	1 MONO PHASE-1 THREE PHASE
SAG-473018	475x305x195 mm	2 MONO PHASE-1 THREE PHASE
SAG-473018	475x305x195 mm	1 MONO PHASE-2 THREE PHASE
SAG-623018	625x305x195 mm	2 MONO PHASE-2 THREE PHASE

EJB SERIES EX PLUG-SOCKET COMBINATION BOXES



GAS: II2G Ex db IIB+H2 Gb

Dust: II2D Ex tb IIIC Db - IP66/67

Zone 1 - Zone 21 - Zone 2 - Zone 22

ATEX: CECI 00 ATEX 036U

IECEx: IECEx CES 14.0017U

- Corrosion resistant aluminum alloy outer body.
- Stainless steel hinged panel.
- Sockets, wall type mounting ears.
- Special locking mechanism.

Code No	Panel External Dimensions	Plug-Socket Scope
EJB31A	415x315x259 mm	1 MONO PHASE-1 THREE PHASE
EJB51A	566x366x269 mm	2 MONO PHASE-1 THREE PHASE
EJB51A	566x366x269 mm	1 MONO PHASE-2 THREE PHASE
EJB61A	670x470x245 mm	2 MONO PHASE-2 THREE PHASE

DMTB SERIES EX ELECTRONIC GROUNDING SYSTEM



GAS: II2G Ex d IIB / Ex d IIB+H2 T6

Dust: II2D Ex tD A21 T80°C IP65/IP66

Zone 1 - Zone 21 - Zone 2 - Zone 22

ATEX: CEC -10ATEX 036

IECEx: —

- Corrosion resistant aluminum alloy outer body.
- RAL7035 Light Gray painted.
- 305x206x157 mm Ex box with Start, Red - Green signal and 1 Piece 0-1 Position key included.

Code No	Input Voltage	Input Frequency	Entry Size	Weight (kg)
DMTB 20R	230 V	50-60 Hz	3x3/4"	14
DMT 20/3	GROUNDING CLIPS			
DMT 20/4	GROUNDING CABLE (2x2,5mm ²)			

GRD-4200 SERIES EX ELECTRONIC GROUNDING SYSTEM



GAS: II2G Ex d [ia Ga] ia IIB+H2 T6 Gb

Dust: II2D Ex tb [ia Da] ia IIIC T85°C Db

Zone 1 - Zone 21 - Zone 2 - Zone 22

ATEX: CECI 04 ATEX 129

IECEx: IECEx CES 14.0035X

- Corrosion resistant aluminum alloy outer body.
- RAL7035 Light Gray painted.
- PZCC-4209 Earthing Clamp.
- 8 mt Yellow fireproof cable.

Code No	Input Voltage	Input Frequency	Entry Size	Weight (kg)
GRD-4200	230 V	50-60 Hz	2x3/4"	20
GRD-4200/110	110 V	50-60 Hz	2x3/4"	20
GRD-4200/24	24 V	0 / 50-60 Hz	2x3/4"	20

ETH 20MD SERIES EX ELECTRONIC SIREN



GAS: II2G Ex d IIB / Ex d IIB+H2 T6

Dust: II2D Ex tD A21 T80°C IP65/IP66

Zone 1 - Zone 21 - Zone 2 - Zone 22

ATEX: CEC -10ATEX 036

Code No	Input Voltage	Input Frequency	Power	Sound Level
ETH 20MD	230 V / 24 V	440-550 Hz	4 W	101 ÷ 104 dB

ETH20MDLOUD/TR SERIES EX SPEAKER



GAS: II2G Ex d [ia Ga] ia IIB+H2 T6 Gb

Dust: II2D Ex tb [ia Da] ia IIIC T85°C Db

Zone 1 - Zone 21 - Zone 2 - Zone 22

ATEX: CECI 04 ATEX 129

Code No	Input Voltage	Input Frequency	Power	Sound Level
ETH20MDLOUD/TR	100 V	650-10000 Hz	6-25 W	100 - 112 dB

NOTE: For detailed information and ATEX documents of all our Exproof products, please visit our website www.exproof.info.

S.. SERIES EX JUNCTION BOXES



- GAS:** II2G Ex d IIC T... Gb
Dust: II2D Ex tb IIIC T... Db - IP66/67
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: CESI 02 ATEX 091
IECEx: IECEx CES 14.0018X
- Corrosion resistant aluminum alloy outer body.
 - Standard ISO 7/1 thread.
 - NPT thread can be produced upon request.

SL.. Code No	SC.. Code No	ST.. Code No	SX.. Code No	Thread Size ISO 7/1
SL-16.1	SC-16.1	ST-16.1	SX-16.1	1/2"
SL-26.1	SC-26.1	ST-26.1	SX-26.1	3/4"
SL-36.1	SC-36.1	ST-36.1	SX-36.1	1"
SL-59.1	SC-59.1	ST-59.1	SX-59.1	1 1/2"
SL-69.1	SC-69.1	ST-69.1	SX-69.1	2"

CCA-...E EX JUNCTION BOXES



- GAS:** II2G Ex db IIC Gb
Dust: II2D Ex tb IIIC Db - IP66
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: CESI 03 ATEX 174X
IECEx: IECEx CES 16.0015X
- Corrosion resistant aluminum alloy outer body.
 - Cover with safety fixing screw.
 - Heat resistant cover gasket.
 - Painted in RAL 7035 Light Grey.

Code No	A (mm)	B (mm)	C (mm)	Mounting Plate Dimen. (mm)
CCA-0E	128	128	133	111x138
CCA-01E	145	145	135	128x150
CCA-02E	195	195	159	175x175
CCA-03E	240	240	228	213x213
CCA-04E	385	385	294	339x339

SA-SAG SERIES EX TERMINAL BOXES



- GAS:** II2G Ex eb IIC T6/T5/T4 Gb
Dust: II2D Ex tb IIIC T...°C Db IP66
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: CESI 03 ATEX 333
IECEx: IECEx CES 13.0001
- Corrosion resistant aluminum alloy outer body.
 - Heat resistant lid gasket.
 - Painted in RAL 7035 Light Grey.
 - SA.. series, light series, thin walled.**
 - SAG.. series, heavy series, thick**

Code No	A (mm)	B (mm)	C (mm)	Mounting Plate Dimen. (mm)
SA141410	147	147	100	131x131
SAG141410	147	147	100	131x131
SA202012	200	200	120	180x180
SA301410	305	147	110	285x127
SAG301410	305	147	96	285x127
SA302310	305	230	110	285x210
SAG302310	305	230	100	285x210
SA302318	305	230	190	285x210
SAG302318	305	230	180	285x210
SA473018	475	305	195	450x285
SAG473018	475	305	195	450x285
SAG623018	625	305	195	605x285

EJB SERIES EX ENCLOSURES BOXES



- GAS:** II2G Ex db IIB+H2 Gb
Dust: II2D Ex tb IIIC Db - IP66/67
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: CESI 00 ATEX 036U
IECEx: IECEx CES 14.0017U
- Corrosion resistant aluminum alloy outer body.
 - Stainless steel hinges.
 - Heat resistant lid seal.
 - RAL 7035 Light Grey painted.

Code No	A (mm)	B (mm)	C (mm)	Mounting Plate Dimen. (mm)
EJB-1A	304	204	218	230x130
EJB-2A	424	224	218	350x150
EJB-3A	364	284	278	290x210
EJB-3BA	364	284	218	290x210
EJB-4	432	332	299	350x250
EJB-4B	432	332	229	350x250
EJB-45	567	387	298	360x236
EJB-45B	567	387	248	360x236
EJB-5	632	432	341	350x550
EJB-5B	632	432	271	350x550
EJB-55	710	510	356	600x400
EJB-6	870	650	480	680x460

NOTE: For detailed information and ATEX documents of all our Exproof products, please visit our website www.exproof.info.

BZC 8050 SERIES ALUMINUM CONTROL BOXES



- GAS:** II2G Ex de IIC T6
Dust: II2D Ex td A21 T80 IP65
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: LCIE 09 ATEX 3099
IECEx: IECEx CQM 11. 0029
- Corrosion resistant aluminum alloy outer body.
 - RAL7040 Gray painted.
 - 10A, Max. 415V AC.

Code No	Description
BZC 8050-A1 (40092B)	Start Control Box
BZC 8050-A1 (40092A)	Stop Control Box
BZC 8050-A1 (40096)	Emergency Stop Control Box
BZC 8050-A2 (40092BA)	Start-Stop Control Box
BZC 8050-A1D1 A	Start-Emergency Stop Control Box
BZC 8050-A2D1-220V	Start-Stop-Red Signal (220V) Control Box
BZC 8050-A2D1-24V	Start-Stop-Red Signal (24V) Control Box
BZC 8050-A3(92B-92A-92C)	Start-Stop-Start Control Box
BZC 8050-A3(92B-92A-96)	Start-Stop-Emergency Stop Control Box

BZA 8050 SERIES POLYESTER CONTROL BOXES



- GAS:** II2G Ex de IIC T6 Gb
Dust: II2D Ex tb IIIC T80°C Db IP65
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: LCIE 09 ATEX 3097
IECEx: IECEx CQM 11.0018
- Corrosion resistant GRP Black body.
 - 10A, Max. 415V AC.
 - 1 x M25x1.5 Input.
 - 1 pc. Cable Gland included.

Code No	Description
BZA 8050-A1 (40063A)	Stop Control Box
BZA 8050-A1 (40063B)	Start Control Box
BZA 8050-A1 (40064)	Emergency Stop Control Box
BZA 8050-A1 (40065B)	Switch 0-1 Control Box
BZA 8050-A2 (40066)	Start-Stop Control Box
BZA 8050-A2D1 220V	Start- Stop-Red Signal (220V) Control Box
BZA 8050-A2D1 24V	Start- Stop-Red Signal (24V) Control Box
BZA 8050-A3 (40071)	Start-Stop-Emergency Stop Control Box
BZA 8050-A3 (40072)	Start- Stop-Switch 0-1 Control Box

EFDC SERIES SWITCHES



- GAS:** II2G Ex d IIC T4 ÷ T5
Dust: II2D Ex tb IIIC T95°C ÷ T130°C
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: CEC 14 ATEX 015
IECEx: —
- Corrosion resistant aluminum alloy outer body.
 - RAL7040 Gray painted.
 - 10A, Max. 415V AC.

Code No	Number of Poles	Current	Contact Type	Entry Size
FSPC-210	2	16A	0-1	2x3/4"
FSPC-410	4	16A	0-1	2x3/4"
FSPC-325	3	32A	0-1	2x3/4"
FSPC-425	4	32A	0-1	2x3/4"
EFD 7-	2	16A	0-1-2	2x3/4"
EFD 502	2	16A	1-0-2	2x3/4"
EFD 503	3	32A	1-0-2	2x3/4"
EFD 52	2	16A	1-2	2x3/4"
EFD 53	3	32A	1-2	2x3/4"

FCC SERIES LIMIT SWITCHES (FOOT PEDAL & FLOAT)

FCC 72G
Float

- GAS:** II2G Ex d IIC T6
Dust: II2D Ex td A21 T85°C
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: CEC 10 ATEX 141
IECEx: —
- Corrosion resistant aluminum alloy outer body.
 - 1/2" Entry, Z11 Contact (1NO+1NC).
 - RAL7040 Gray painted.
 - 10A, Max. 690V AC.

Code No		FCC 10P Foot Pedal
FCC 11		
FCC 12		
FCC 13		
FCC 32		
FCC 42		
FCC 52		
FCC 93		
FCC 72G		
FCC 10P		

NOTE: For detailed information and ATEX documents of all our Exproof products, please visit our website www.exproof.info.

BCZ 85 SERIES PLUG AND SOCKETS



- GAS:** II2G Ex d IIC T6 Gb
Dust: II2D Ex t IIIC T80°C Db IP66
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: NEMKO 12 ATEX 1044
IECEx: IECEx CQM 12.0015
- Corrosion resistant aluminum alloy outer body.
 - Wall type mounting ears.
 - Colored and safety chain cover (Blue Single Phase, Red Three Phase).
 - Special locking mechanism.

Plug and Socket Code	Input Voltage	Current	Entry Size
BCZ85-16 / 250 / 3P	200/250 V	16 A	2x3/4" + 1x3/4"
BCZ85-32 / 415 / 5P	380/415 V	32 A	2x3/4" + 1x3/4"
BCZ85-63 / 415 / 5P	380/415 V	63 A	2x1 1/2" + 1x1"
BCZ85-125 / 415 / 5P	380/415 V	125 A	2x2" + 1x1 1/2"

FSQ-BP SERIES PLUG AND SOCKETS



- GAS:** II2G Ex d IIC T6 Gb
Dust: II2D Ex tb IIIC T180°C Db IP66
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: CESI 01 ATEX 37
IECEx: —
- Corrosion resistant aluminum alloy outer body.
 - Wall type mounting ears.
 - Cover with safety chain.
 - Special locking mechanism.

Socket Code	Plug Code	Input Voltage	Current	Entry Size
FSQ 215A	BP 215A	200/250 V	25 A	2x1" + 1x3/4"
FSQ 325A	BP 325A	380/415 V	32 A	2x1" + 1x3/4"
FSQ 425A	BP 425A	380/415 V	32 A	2x1" + 1x3/4"
FSQ 360A	BP 360A	380/415 V	63 A	2x1 1/2" + 1x1"
FSQ 460A	BP 460A	380/415 V	63 A	2x1 1/2" + 1x1"

BSX-60 SERIES EX PORTABLE LAMP



- GAS:** II2G Ex de IIC T4
Dust: —
 Zone 1 - Zone 2
ATEX: LCIE 07 ATEX 6028
- With control knob, Black plastic handle.

Code No	Input Voltage	Lamp Holder	Lamp Power	Entry Size
BSX-60	230V / 24V	E27	25W-40W-60W	1xM25

PYN-SPYN SERIES PLUG AND SOCKETS



- GAS:** II2G Ex db eb IIC T... Gb
Dust: II2D Ex tb IIIC T...°C Db IP66
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: IMQ 20 ATEX 049X
IECEx: IECEx IMQ 21.0003X
- Corrosion resistant aluminum alloy outer body.
 - Wall type mounting ears.
 - Colored and safety chain cover (Blue Single Phase, Red Three Phase).
 - Special locking mechanism.

Socket Code	Plug Code	Input Voltage	Current	Entry Size
PYN..16..	SPYN..16..	200/250 V	16 A	2x3/4"
PYN..32..	SPYN..32..	380/415 V	32 A	2x1"
PYN..63..	SPYN..63..	380/415 V	32 A	3x1 1/2"
PYN..125..	SPYN..125..	380/415 V	32 A	3x1 1/2"

BCZ 8060 SERIES GRP PLUG AND SOCKETS



- GAS:** II2G Ex de IIC T6
Dust: II2D Ex tb IIIC T80°C Db IP65
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: EUT 14 ATEX 1153
IECEx: IECEx CQM 13.0043X
- Corrosion resistant GRP Black body.
 - Wall type mounting ears.
 - Special locking mechanism.

Plug and Socket Code	Input Voltage	Current	Entry Size
BCZ8060-16 / 250 / 3P	200/250 V	16 A	1xM25 / 1xM25
BCZ8060-16 / 415 / 5P	380/415 V	16 A	1xM25 / 1xM25
BCZ8060-32 / 415 / 5P	380/415 V	32 A	1xM40 / 1xM40
BCZ8060-63 / 415 / 5P	380/415 V	63 A	1xM50 / 1xM50
BCZ8060-125 / 415 / 5P	380/415 V	125 A	1xM63 / 1xM63

EVP 50 SERIES EX PORTABLE LAMP



- GAS:** II 2G Ex d IIC T3 ÷ T5 Gb
Dust: II 2D Ex tb IIIC T95°C ÷ T295°C Db
 Zone 1 - Zone 21 - Zone 2 - Zone 22
ATEX: CEC 10 ATEX 035
- Aluminum body, Metal handle.

Code No	Input Voltage	Lamp Holder	Lamp Power	Entry Size
EVP 50	230V	E27	25W-40W-60W	1x1/2"

NOTE: For detailed information and ATEX documents of all our Exproof products, please visit our website www.exproof.info.

(BELONGS TO MSM BRANDED PRODUCTS)

IEP ENERGY PETROLEUM INSTITUTE **IEP ATEX**

(1) **EU-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU

(3) EU - Type Examination Certificate Number: **IEP 19 ATEX 0708X**

(4) Product: **M-VEN-M and M-VEN-N Series Unarmoured Cable Glands**

(5) Firm Name **MSM Mühendislik Elektromekanik San. Tic. Ltd. Şti.**

(6) Firm Address: **Barbaros Mah. Evren Cad. No : 38 Ataşehir / İSTANBUL**

(7) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Şti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential Report Nr : IEP.Rp.Ex.10-1492 date 24.06.2019.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with;

EN 60079-0:2013, EN 60079-1:2014, EN 60079-7:2015, EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:

**Ex I M2 Ex db/eb I Mb
II 2G Ex db/eb IIC Gb
II 1D Ex tb IIC Da**

Responsible Person :
Nurettin Terzioğlu
Head of Certification Body

Date of Issue : **25.06.2019**

IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Şti.
5746/1 Sok. No:9 K:2Büyükdere - İZMİR / TÜRKİYE
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IEP ENERGY PETROLEUM INSTITUTE **IEP ATEX**

(1) **EU-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU

(3) EU - Type Examination Certificate Number: **IEP 19 ATEX 0719X**

(4) Product: **M-MERXM and M-MERXN Series Armoured Cable Glands**

(5) Firm Name **MSM Mühendislik Elektromekanik San. Tic. Ltd. Şti.**

(6) Firm Address: **Barbaros Mah. Evren Cad. No : 38 Ataşehir / İSTANBUL**

(7) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Şti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential Report Nr : IEP.Rp.Ex.10-1515 date 16.08.2019.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with;

EN 60079-0:2013, EN 60079-1:2014, EN 60079-7:2015, EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:

**Ex I M2 Ex db/eb I Mb
II 2G Ex db/eb IIC Gb
II 1D Ex tb IIC Da**

Responsible Person :
Nurettin Terzioğlu
Head of Certification Body

Date of Issue : **19.08.2019**

IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Şti.
5746/1 Sok. No:9 K:2Büyükdere - İZMİR / TÜRKİYE
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IEP ENERGY PETROLEUM INSTITUTE **IEP ATEX**

(1) **EU-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU

(3) EU - Type Examination Certificate Number: **IEP 20 ATEX 0762U**

(4) Product: **M-BMFXX, M-BFEXX and M-BMMXX Series Three-pieces Connection Fittings**

(5) Firm Name: **MSM Mühendislik Elektromekanik San. Tic. Ltd. Şti.**

(6) Firm Address: **Barbaros Mah. Evren Cad. No : 38 Ataşehir / İSTANBUL**

(7) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Şti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential Report Nr : IEP.Rp.Ex.10-1605 date 05.02.2020.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with;

EN 60079-0:2013, EN 60079-1:2014, EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:

**Ex II 2G Ex db IIC Gb
II 2D Ex tb IIC Db
I M2 Ex db I Mb, IP 66/67**

Responsible Person :
Nurettin Terzioğlu
Head of Certification Body

Date of Issue : **06.02.2020**

IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Şti.
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IEP ENERGY PETROLEUM INSTITUTE **IEP ATEX**

(1) **EU-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU

(3) EU - Type Examination Certificate Number: **IEP 20 ATEX 0820X**

(4) Product: **M-SBRXM, M-SBRXN and M-DBRXX, M-DBRXN Series Glands**

(5) Firm Name **MSM Mühendislik Elektromekanik San. Tic. Ltd. Şti.**

(6) Firm Address: **Barbaros Mah. Evren Cad. No : 38 Ataşehir / İSTANBUL**

(7) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Şti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential Report Nr : IEP.Rp.Ex.10-1707 date 27.05.2020.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with;

EN 60079-0:2013, EN 60079-1:2014, EN 60079-7:2015, EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:

**Ex I M2 Ex db/eb I Mb
II 2G Ex db/eb IIC Gb
II 1D Ex tb IIC Da**

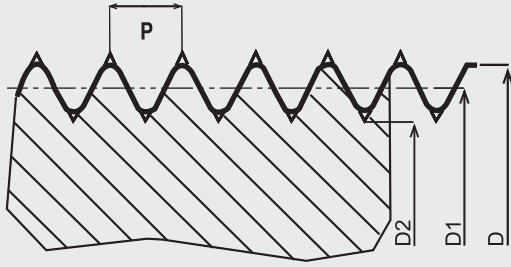
Responsible Person :
Nurettin Terzioğlu
Head of Certification Body

Date of Issue : **28.05.2020**

IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Şti.
5746/1 Sok. No:9 K:2Büyükdere - İZMİR / TÜRKİYE
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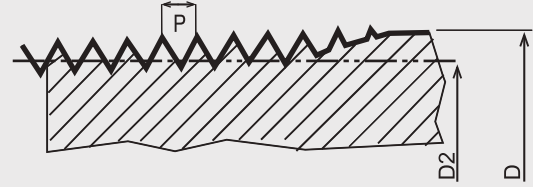
THREAD TYPE FEATURES

GAS THREAD
(UNI ISO 228)



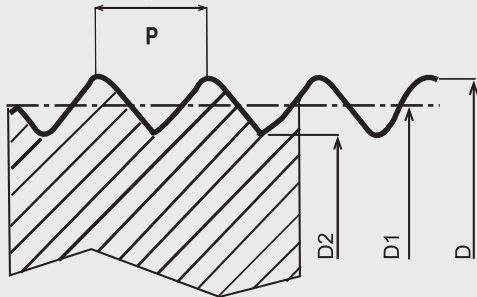
Thread Type	Thread Diameter D	Size D1	Size D2	Size P	Thread Piece Z
G 1/4"	13,157	12,301	11,445	1,337	19
G 3/8"	16,662	15,806	14,950	1,337	19
G 1/2"	20,955	19,793	18,631	1,814	14
G 3/4"	26,441	25,279	24,117	1,814	14
G 1"	33,249	31,770	30,291	2,309	11
G 1 1/4"	41,910	40,431	38,952	2,309	11
G 1 1/2"	47,803	46,324	44,845	2,309	11
G 2"	59,614	58,135	56,656	2,309	11
G 2 1/2"	75,184	73,705	72,226	2,309	11
G 3"	87,884	86,405	84,926	2,309	11
G 4"	113,030	111,551	110,072	2,309	11

NPT THREAD
(ANSI B1.20.1)



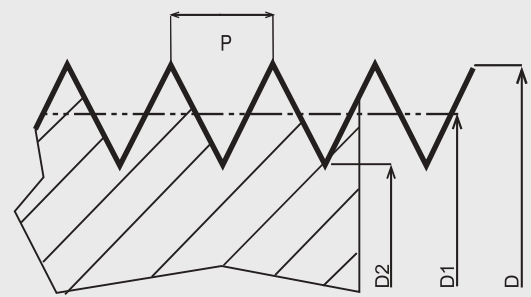
Thread Type	Thread Diameter D	Size D2	Size P	Thread Piece Z
NPT 1/4"	13,716	12,7635	1,411	18
NPT 3/8"	17,145	16,1925	1,411	18
NPT 1/2"	21,336	20,1115	1,814	14
NPT 3/4"	26,670	25,4455	1,814	14
NPT 1"	33,401	31,9100	2,208	11,5
NPT 1 1/4"	42,164	40,6730	2,208	11,5
NPT 1 1/2"	47,800	—	2,208	11,5
NPT 2"	60,325	58,8340	2,208	11,5
NPT 2 1/2"	73,025	70,8817	3,175	8
NPT 3"	88,900	86,7567	3,175	8
NPT 4"	114,300	112,1567	3,175	8

PG THREAD
(DIN 40430)



Thread Type	Thread Diameter D	Size D1	Size D2	Size P	Thread Piece Z
Pg 7	12,50	11,89	11,28	1,27	20
Pg 9	15,20	14,53	13,36	1,41	18
Pg 11	18,60	17,93	17,26	1,41	18
Pg 13,5	20,40	19,73	19,06	1,41	18
Pg 16	22,50	21,83	21,16	1,41	18
Pg 21	28,30	27,54	26,78	1,588	16
Pg 29	37,00	36,24	35,48	1,588	16
Pg 36	47,00	46,24	45,48	1,588	16
Pg 42	54,00	53,24	52,48	1,588	16
Pg 48	59,30	58,54	57,78	1,588	16

METRIC THREAD
(EN 60423)



Thread Type	Thread Diameter D	Size D1	Size D2	Size P
M12	12	11,026	10,376	1,5
M16	16	15,026	14,376	1,5
M20	20	19,026	18,376	1,5
M25	25	24,026	23,376	1,5
M32	32	31,026	30,376	1,5
M40	40	39,026	38,376	1,5
M50	50	49,026	48,376	1,5
M63	63	62,026	61,376	1,5

Note: Dimensions are given in "mm". Technical pictures are scale-free.
The specified dimensions cover the teeth of the panel (male) type.

CYCLE TABLES

WEIGHT

1 ons (oz)	= 437,5 grains	= 28,350 g
1 pound (lb)	= 16 oz	= 0,4536 kg
1 stone	= 14 lb	= 6,35 kg
1 ton	= 2.240 lb	= 0,0161 t
1 gram (g)	= 1,000 mg	= 0,0353 oz
1 kilogram (kg)	= 1.000 g	= 2,2046 lb
1 ton	= 1.000 kg	= 0,9842 ton

VOLUME

1 cubic yard	= 27 cu ft	= 0,77 m3
1 pint (pt)	= 4 gills	= 0,57 L
1 gallon (gal)	= 8 pt	= 4,55 L
1 cubic decimeter (dm3)	= 1,000 cm3	= 0,04 cu ft
1 cubic meter (m3)	= 1,000 dm3	= 1,31 cu yd
1 liter (L)	= 1 dm3	= 0,22 gal

LENGHT

1 inch	= 0,027 yard	= 2.54 cm
1 ft	= 12 inch	= 0.31 m
1 yard	= 3 ft	= 0.91 m
1 mil	= 5.280 ft	= 1.60 km
1 cm	= 0,032 ft	= 0.39 inch
1 m	= 36 inch	= 1.09 yard
1 km	= 1.760 yard	= 0.62 mil

HEAD OFFICE - WAREHOUSE:

Barbaros Mah. Millet Cad. No:38

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