

cable protection, carrying and ending systems & ex-proof electrical equipment

MSM[®]
ENGINEERING



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2017
GENERAL CATALOG



- ▶ EMT-IMC-RSC TYPE CONDUITS AND GENERAL ACCESSORIES SERIES
- ▶ FLEXIBLE STEEL CONDUITS AND GENERAL ACCESSORIES SERIES
- ▶ RIGID METAL CONDUITS AND GENERAL ACCESSORIES SERIES
- ▶ PVC- HALOGEN-FREE CONDUITS AND GENERAL ACCESSORIES SERIES
- ▶ EX-PROOF ATEX - CERTIFIED ELECTRICAL EQUIPMENT

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The company **MSM ENGINEERING** leaving **17 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 updating manufacturing and marketing abilities in order to carry out activities such as manufacturing, marketing and sales of **cable protecting, carrying and ending systems**.

Besides these, extending our network in the globalized world further; strengthening our import activities we have done necessary agreements with **foreign manufacturers and suppliers** in order to be able to provide the highest quality product and services to our clients.

Cable carrying conduits and related accessories are our main area of activity. In order to meet the ever increasing use in recent years and consequently increasing demand in our country we have expanded our portfolio of the **Ex-Proof** electrical materials.

We offer our customers explosion-proof equipment of such brands as **CO.SI.ME., WAROM, COELBO, HELIOS, CEAG, COOPER, PEPPERS** and **DIALIGHT**. All explosion-proof products possess **ATEX** and **CE** certificates issued by such respectable certification authorities as **CEC, LCIE, PTB, NEMKO, DNV** and **EUT**.

Our explosion-proof equipment is safely used in facilities with **FLAMMABLE** and **EXPLOSION HAZARDOUS ATMOSPHERES, REFINERIES, FILLING FACILITIES** and other **CHEMICALS, MEDICAMENTS, PAINT** and **COSMETICS** producing and storing industrial facilities characterized by the presence of flammable gases.

Our Company achieves its regularly updated annual goals following strict working discipline, providing high quality service and the improving manufacturing capacity, which has been strengthened with the addition of imported goods. 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.

Our Company never gives up going forward with the aim of offering its customers products at the highest standard. It has applied for **TSE (Turkish Standards Institute)** at the beginning of 2017 in order to be able to offer its clients locally manufactured products in accordance with the **TSE Standards** within the year.

We are proud to provide our business partners smooth service in prestigious projects endowed with quality certificates for locally manufactured materials, as well as possession of **ISO 9001-2008** documentation and renewed **CE** and **GOST-R, EAC** materials quality documentation, and especially with imported **UL** certified new materials.

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 market. Furthermore we are proud to announce that our materials have been used in international prestigious projects carried out in our country such as **Osman Gazi Suspension Bridge, Yavuz Sultan Selim Suspension Bridge, 3. Istanbul Airport and Eurasia Tunnel**.

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.

Hakan ONLAT

Assistant General Manager
Marketing and Sales Director

Selahattin SARAÇ

Electrical Engineer
General Manager

Looking forward to a fruitful cooperation...





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- ▶ 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)
- ▶ EMT Galv. Threadless Steel Conduit Acc. (Elbows)
- ▶ EMT Galv. Threadless Steel Conduit Acc. (Adaptors)
- ▶ EMT Galv. Threadless Steel Conduit Acc. (General)
- ▶ Flexible Steel Conduit Acc. (Ending)
- ▶ Metal Junction Boxes and Accessories for Indoor Use

- ▶ IMC Threaded Galv. Conduits
- ▶ IMC Threaded Galv. Conduit Acc. (Connectors)
- ▶ IMC Threaded Galv. Conduit Acc. (Elbows)
- ▶ IMC Threaded Galv. Conduit Acc. (Clamps)
- ▶ IMC Threaded Galv. Conduit Acc. (Bushings)
- ▶ IMC Threaded Galv. Conduit Acc. (General)
- ▶ RSC Threaded Galv. Steel Conduits and Acc.
- ▶ Cast Al. Junction Boxes and Acc. for Outdoor Use
- ▶ Flexible Steel Conduit Connectors and Acc.

cable protection, carrying and ending systems

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



- Certified by ANSI C80.3, GOST and EAC.
- Burr-free electrical installation conduits.
- Standard product length 3.00 m.
- Pre-galvanized coating, bendable.
- UL listed conduits are hot-dip galvanized.
- ±5% tolerance of all below-mentioned physical characteristics.
- Especially used in construction of social buildings, business centers, workshops and high-rise buildings.

MSM Code	Manufacturer's Code	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	11,6	2	23,20
EMT-109	EMT-400P	4"	110,10 x 114,30	2,11	5,81	17,43	2	35,00

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



- Certified by UL 797 and ANSI C80.3
- Burr-free electrical installation conduits
- Standard product length 3.05 m
- Hot-dip galvanized coating
- ±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	Manufacturer's Code	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

SCREW TYPE ENDING CONNECTOR/ZAMAK



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

MSM Code	Manufacturer's Code	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

COMPRESSION TYPE ENDING CONNECTOR/ZAMAK



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

MSM Code	Manufacturer's Code	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

SCREW TYPE ENDING CONNECTOR/STEEL



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

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-721	SSCN-050S	1/2"	50	2,12
ME-722	SSCN-075S	3/4"	25	1,49
ME-723	SSCN-100S	1"	20	1,89
ME-724	SSCN-125S	1 1/4"	25	4,10
ME-725	SSCN-150S	1 1/2"	25	4,50
ME-726	SSCN-200S	2"	20	4,70
ME-727	SSCN-250S	2 1/2"	12	4,00
ME-728	SSCN-300S	3"	12	4,80
ME-729	SSCN-400S	4"	6	3,30

COMPRESSION TYPE CONNECTOR/STEEL



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

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-701	CCN-050S	1/2"	25	1,43
ME-702	CCN-075S	3/4"	25	2,05
ME-703	CCN-100S	1"	10	1,32
ME-704	CCN-125S	1 1/4"	25	4,40
ME-705	CCN-150S	1 1/2"	20	5,00
ME-706	CCN-200S	2"	15	4,80
ME-707	CCN-250S	2 1/2"	8	6,00
ME-708	CCN-300S	3"	4	3,60
ME-709	CCN-400S	4"	4	5,00

SCREW TYPE COUPLING/ZAMAK

UL EAC



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

MSM Code	Manufacturer's 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



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

MSM Code	Manufacturer's 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

SCREW TYPE COUPLING/STEEL

EAC



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

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-731	SSCP-050S	1/2"	50	1,87
ME-732	SSCP-075S	3/4"	25	1,34
ME-733	SSCP-100S	1"	20	1,66
ME-734	SSCP-125S	1 1/4"	25	4,20
ME-735	SSCP-150S	1 1/2"	25	4,70
ME-736	SSCP-200S	2"	20	5,20
ME-737	SSCP-250S	2 1/2"	12	7,00
ME-738	SSCP-300S	3"	12	9,00
ME-739	SSCP-400S	4"	6	6,40

COMPRESSION TYPE COUPLING/STEEL

EAC



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

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-711	CCP-050S	1/2"	25	1,70
ME-712	CCP-075S	3/4"	25	2,30
ME-713	CCP-100S	1"	10	1,43
ME-714	CCP-125S	1 1/4"	25	4,70
ME-715	CCP-150S	1 1/2"	20	5,80
ME-716	CCP-200S	2"	15	4,70
ME-717	CCP-250S	2 1/2"	8	7,00
ME-718	CCP-300S	3"	4	4,20
ME-719	CCP-400S	4"	4	6,10

TWO-HOLE CLAMP

UL PG EAC



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

MSM Code	Manufacturer's 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 EAC



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

MSM Code	Manufacturer's 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 EAC



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

MSM Code	Manufacturer's 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 EAC



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

MSM Code	Manufacturer's 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

METAL FERRULE SPLIT TYPE (ENDING)



- Certified by GOST-R and EAC.
- Made of Galvanized Steel.
- Used in endings and junctions of connectors of flexible steel conduits.

MSM Code	Manufacturer's Code	Size	Suitable Flexible Conduit Size	Quantity per Package (pcs)
MS-561	MF-050	1/2"	M...-16	100
MS-562	MF-075	3/4"	M...-21	50
MS-563	MF-100	1"	M...-26	50
MS-564	MF-125	1 1/4"	M...-35	25
MS-565	MF-150	1 1/2"	M...-40	20
MS-566	MF-200	2"	M...-52	10
MS-567	MF-250	2 1/2"	M...-63	10
MS-568	MF-300	3"	M...-78	5
MS-569	MF-400	4"	M...-102	5

METAL FERRULE STRAIGHT SCREW TYPE (ENDING)



- Certified by GOST-R and EAC.
- Made of Galvanized Steel.
- Used in endings and junction connectors of flexible steel conduits.

MSM Code	Manufacturer's Code	Size	Suitable Flexible Conduit Size	Quantity per Package (pcs)
MS-571	LXYQ-050	1/2"	M...-16	100
MS-572	LXYQ-075	3/4"	M...-21	50
MS-573	LXYQ-100	1"	M...-26	50
MS-574	LXYQ-125	1 1/4"	M...-35	25
MS-575	LXYQ-150	1 1/2"	M...-40	20
MS-576	LXYQ-200	2"	M...-52	10
MS-577	LXYQ-250	2 1/2"	M...-63	10
MS-578	LXYQ-300	3"	M...-78	5
MS-579	LXYQ-400	4"	M...-102	5

METAL FERRULE / RING TYPE (ENDING)



- Certified by GOST-R and EAC.
- Made of Brass with a nickel coating.
- Used in endings of flexible steel conduits.

MSM Code	Suitable Flexible Conduit Size	Size	Quantity per Package (pcs)
SBS-G1	M...-16	1/2"	100
SBS-G2	M...-21	3/4"	50
SBS-G3	M...-26	1"	50
SBS-G4	M...-35	1 1/4"	25
SBS-G5	M...-40	1 1/2"	20
SBS-G6	M...-52	2"	10
SBS-G7	M...-63	2 1/2"	10
SBS-G8	M...-78	3"	5
SBS-G9	M...-102	4"	5

METAL FERRULE / ZAMAK (ENDING)



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

MSM Code	Manufacturer's Code	Size	Suitable Flexible Conduit Size	Quantity per Package (pcs)
MS-581	LX-050	1/2"	M...-16	100
MS-582	LX-075	3/4"	M...-21	50
MS-583	LX-100	1"	M...-26	50
MS-584	LX-125	1 1/4"	M...-35	25
MS-585	LX-150	1 1/2"	M...-40	20
MS-586	LX-200	2"	M...-52	10
MS-587	LX-250	2 1/2"	M...-63	10
MS-588	LX-300	3"	M...-78	5
MS-589	LX-400	4"	M...-102	5

EMT-FLEXIBLE STEEL CONDUIT CON. ADAO./SCREW-COMP. TYPE

PG EAC

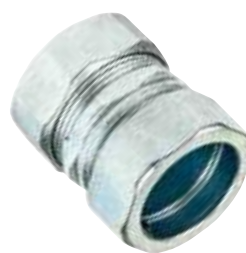


- Certified by GOST-R and EAC.
- Made of Zamak (Zinc die-cast).
- Used for screw/compression type connections of EMT and flexible steel conduits.

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

EMT-FLEXIBLE STEEL CONDUIT CON. ADAP./COMPRESSION TYPE

PG EAC



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

MSM Code	Manufacturer's Code	Suitable Flexible Conduit Size	EMT Size	Quantity per Package (pcs)
ME-671	DGJ-050	MN... -16	1/2"	100
ME-672	DGJ-075	MN... -21	3/4"	50
ME-673	DGJ-100	MN... -26	1"	25
ME-674	DGJ-125	MN... -35	1 1/4"	20
ME-675	DGJ-150	MN... -40	1 1/2"	10
ME-676	DGJ-200	MN... -52	2"	10
ME-677	DGJ-250	MN... -63	2 1/2"	25
ME-678	DGJ-300	MN... -78	3"	20
ME-679	DGJ-400	MN... -102	4"	10

EMT-FLEXIBLE STEEL CONDUIT CON. ADAPTER/SCREW TYPE

UL PG EAC



- Certified by UL, GOST-R and EAC.
- 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.
- For EMT and flexible steel conduit connecting adaptors of bigger sizes see page 31.

MSM Code	Manufacturer's Code	Suitable Flexible Conduit Size	EMT Size	Quantity per Package (pcs)
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

PAINTED GALVANIZED STEEL CONDUITS AND ACCESSORIES



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

EMT-FLEXIBLE STEEL CONDUIT CON. AD./SCREW-COM. TYPE

CE



- Certified by CE.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Used for screw/compression type connections of EMT and flexible steel conduits.

MSM Code	Suitable Flexible Conduit Size	EMT Size	Quantity per Package (pcs)
ESE-G1	MN... -16	1/2"	50
ESE-G2	MN... -21	3/4"	50
ESE-G3	MN... -26	1"	25
ESE-G4	MN... -35	1 1/4"	20
ESE-G5	MN... -40	1 1/2"	10
ESE-G6	MN... -52	2"	10
ESE-G7	MN... -63	2 1/2"	25
ESE-G8	MN... -78	3"	20
ESE-G9	MN... -102	4"	10

45° THREADLESS ELBOW



- Certified by GOST-R and EAC.
- Pre-galvanized coating.
- Electro-galvanized and hot-dip galvanized coating types also available.
- Used for 45° turns of EMT conduits.

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-641	8310	1/2"	100	10,60
ME-642	8311	3/4"	100	17,50
ME-643	8312	1"	50	17,50
ME-644	8313	1 1/4"	40	28,00
ME-645	8314	1 1/2"	40	32,50
ME-646	8315	2"	15	13,50
ME-647	8316	2 1/2"	10	20,00
ME-648	8317	3"	9	24,50
ME-649	8319	4"	9	43,00

90° THREADLESS ELBOW



- Certified by GOST-R and EAC.
- Pre-galvanized coating.
- Electro-galvanized and hot-dip galvanized coating types also available.
- Used for 90° turns of EMT conduits.

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-541	8300	1/2"	200	20,0
ME-542	8301	3/4"	100	12,0
ME-543	8302	1"	50	16,0
ME-544	8303	1 1/4"	25	14,0
ME-545	8304	1 1/2"	20	16,0
ME-546	8305	2"	15	18,0
ME-547	8306	2 1/2"	10	20,0
ME-548	8307	3"	9	24,5
ME-549	8309	4"	9	43,0

90° PULL CORNER ELBOW – SCREW TYPE



- Certified by UL, GOST-R and EAC.
- Made of Zamak (Zinc die-cast).
- Used for 90° turns of EMT conduits.

MSM Code	Manufacturer's 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



- Certified by UL, GOST-R and EAC.
- Made of Zamak (Zinc die-cast).
- Used for 90° turns of EMT conduits.

MSM Code	Manufacturer's 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



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

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-791	OFC-050	1/2"	100	3,4
ME-792	OFC-075	3/4"	50	2,2
ME-793	OFC-100	1"	50	3,0

90° PULL CORNER ELBOW WITH A CONNECTOR - SCREW TYPE



- Certified by UL, GOST-R and EAC.
- 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	Manufacturer's Code	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

PVC INSULATED GROUNDING METAL BUSHING FOR EMT CONDUITS

CE EAC



- Certified by CE, GOST-R and EAC.
- 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	Thread Type	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

PVC END CAP – TRANSPARENT (ENDING)

EAC



- Certified by GOST-R and EAC.
- Made of Polyethylene (I20).
- Fits tightly over EMT conduits.
- 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
ME-567	2 1/2"	20	0,5
ME-568	3"	20	0,7
ME-569	4"	10	0,6

CAST ALUMINUM SWITCH AND SOCKET OUTLET

EAC



- Certified by GOST-R and EAC.
- 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

EMT CONDUIT BENDER

EAC



- Certified by GOST-R and EAC.
- 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	Manufacturer's * Code	Manufacturer's ** Code	Size
ME-591	ACB-050H	ACB-050	1/2"
ME-592	ACB-075H	ACB-075	3/4"
ME-593	ACB-100H	ACB-100	1"

* Codes of benders with a handle

** Codes of benders without a handle

90° SHORT ELBOW

EAC



- Certified by GOST-R and EAC.
- Made of Copper, nickel coating.
- Used for sharp bends in EMT conduits.

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-751	KD-01	1/2"	50	18
ME-752	KD-02	3/4"	50	46

T-TYPE DISTRIBUTOR

EAC



- Certified by GOST-R and EAC.
- Made of Copper, nickel coating.
- Used to distribute cables inside the EMT conduits.

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
ME-761	TD-01	1/2"	50	27
ME-762	TD-02	3/4"	50	64

SQUARE JUNCTION BOX EXTENSION RING / 102x102x38 mm



- Made of pre-galvanized metal sheet.
- Used to extend the depth of square boxes in EMT conduit installation.
- Standard metal sheet thickness min. 1.0 mm, max. 1.6 mm.

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

OCTAGONAL JUNCTION BOX EXTENSION RING / 102x102x38 mm



- Made of pre-galvanized metal sheet.
- Used to extend the depth of octagonal boxes in EMT conduit installation.
- Standard metal sheet thickness min. 1.0 mm, max. 1.6 mm.

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

SQUARE JUNCTION BOX COVER / 102X102 mm

UL



- Certified by UL.
- Made of pre-galvanized metal sheet.
- Used as a cover for square boxes in EMT conduit installation.
- Standard metal sheet thickness min. 1.0 mm, max. 1.6 mm.

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

OCTAGONAL JUNCTION BOX COVER / 102X102 mm

UL



- Certified by UL.
- Made of pre-galvanized metal sheet.
- Used as a cover for octagonal boxes in EMT conduit installation.
- Standard metal sheet thickness min. 1.0 mm, max. 1.6 mm.

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

SQUARE JUNCTION BOX COVER / 120X120 mm

UL



- Certified by UL.
- Made of pre-galvanized metal sheet.
- Used as a cover for square boxes in EMT conduit installation.
- Standard metal sheet thickness min. 1.0 mm, max. 1.6 mm.

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

RECTANGULAR JUNCTION BOX COVER / 102X54 mm

UL

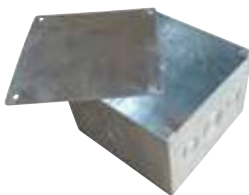


- Certified by UL.
- Made of pre-galvanized metal sheet.
- Used as a cover for rectangular boxes in EMT conduit installation.
- Standard metal sheet thickness min. 1.0 mm, max. 1.6 mm.

MSM Code	Manufacturer's Code	Size WxH (mm)	Knockout Number (pcs)
MG-781	58C6	102X54	1x1/2"

INDOOR TYPE PULL BOX

EAC



- Certified by GOST-R and EAC.
- Made of pre-galvanized metal sheet.
- Standard metal sheet thickness 1.0mm.
- Any of below-stated numbers of knockouts provided
- Suitable for use over plaster in EMT conduit installation.

MSM Code	Sizes LxWxH (mm)	Knockout Number (Ø x pcs)	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

METAL PLUG



- Made of pre-galvanized metal sheet.
- Standard metal sheet thickness 1.0 mm
- Used as a cover of knockout holes in metal enclosures in EMT conduit installation over plaster.

MSM Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MG-751	1/2"	100	2,00
MG-752	3/4"	100	2,60
MG-753	1"	50	1,70
MG-754	1 1/4"	50	1,90
MG-755	1 1/2"	25	2,20
MG-756	2"	20	2,10

★ For boxes of other sizes and characteristics see page 38.

OCTAGONAL JUNCTION BOX / 102x102x38 mm

UL PG EAC



- Certified by UL, GOST-R and EAC.
- Made of pre-galvanized metal sheet.
- The depth and the walls can be extended using an extension ring.
- Used in EMT conduit installation over plaster.
- Standard metal sheet thickness min. 1.0 mm, max. 1.6 mm.

MSM Code	Manufacturer's 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 PG EAC



- Certified by UL, GOST-R and EAC.
- Made of pre-galvanized metal sheet.
- The depth and the walls can be extended using an extension ring.
- Used in EMT conduit installation over plaster.
- Standard metal sheet thickness min. 1.0 mm, max. 1.6 mm.

MSM Code	Manufacturer's 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 PG EAC



- Certified by UL, GOST-R and EAC.
- Made of pre-galvanized metal sheet.
- The depth and the walls can be extended using an extension ring.
- Used in EMT conduit installation over plaster.
- Standard metal sheet thickness min. 1.0 mm, max. 1.6 mm.

MSM Code	Manufacturer's 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"

★ All the boxes from this page can be extended using the extension rings listed on the left page.

SQUARE JUNCTION BOX / 102x102x38 mm

UL PG EAC



- Certified by UL, GOST-R and EAC.
- Made of pre-galvanized metal sheet.
- The depth and the walls can be extended using an extension ring.
- Used in EMT conduit installation over plaster.
- Standard metal sheet thickness min. 1.0 mm, max. 1.6 mm.

MSM Code	Manufacturer's 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 PG EAC



- Certified by UL, GOST-R and EAC.
- Pre-galvanized metal sheet.
- The depth and the walls can be extended using an extension ring.
- Used in EMT installation over plaster.
- Standard metal sheet thickness min. 1.0 mm, max. 1.6 mm.

MSM Code	Manufacturer's 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"

SQUARE JUNCTION BOX / 120x120x54 mm

UL PG EAC



- Certified by UL, GOST-R and EAC.
- Made of pre-galvanized metal sheet.
- The depth and the walls can be extended using an extension ring.
- Used in EMT conduit installation over plaster.
- Standard metal sheet thickness min. 1.0 mm, max. 1.6 mm.

MSM Code	Manufacturer's 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



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

MSM Code	Manufacturer's Code	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

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



- Certified by UL 1242 and ANSI C80.6.
- 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.
- Especially used in construction of industrial facilities, workshops, ships etc. Suitable for outdoor and indoor use and wet conditions.

MSM Code	Manufacturer's Code	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 PG EAC



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

MSM Code	Manufacturer's Code	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)

PG EAC



- Certified by GOST-R and EAC.
- Made of Cast Iron, has 3 parts.
- Electro-galvanized coating.
- Used in connections of fixed threaded conduits.

MSM Code	Manufacturer's Code	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

PG EAC



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

MSM Code	Manufacturer's Code	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

IMC-FLEXIBLE STEEL CONDUIT CONNECTING ADAPTER

PG EAC



- Certified by GOST-R and EAC.
- Made of Zamak (Zinc die-cast).
- NPT, metric and Pg thread types also available.
- Used to connect a steel flexible conduit to a threaded conduit.

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MI-721	DPN-050	1/2"	50	3,36
MI-722	DPN-075	3/4"	50	4,14
MI-723	DPN-100	1"	25	3,34
MI-724	DPN-125	1 1/4"	20	4,02
MI-725	DPN-150	1 1/2"	10	3,10
MI-726	DPN-200	2"	10	4,12
MI-727	DPN-250	2 1/2"	5	3,30
MI-728	DPN-300	3"	8	6,00
MI-729	DPN-400	4"	5	6,00

45° NORMAL ELBOW



- Certified by GOST-R and EAC.
- Made of Galvanized Steel.
- Pre-galvanized coating.
- Electro-galvanized and hot-dip galvanized coating types also available.
- Used for 45° turns in IMC conduit.



MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MI-751	8330	1/2"	100	20,0
MI-752	8331	3/4"	50	16,0
MI-753	8332	1"	40	22,0
MI-754	8333	1 1/4"	30	26,0
MI-755	8334	1 1/2"	20	26,0
MI-756	8335	2"	8	18,0
MI-757	8336	2 1/2"	4	5,5
MI-758	8337	3"	2	8,6
MI-759	8338	4"	1	15

90° NORMAL ELBOW



- Certified by GOST-R and EAC.
- Made of Galvanized Steel.
- Pre-galvanized coating.
- Electro-galvanized and hot-dip galvanized coating types also available.
- Used for 90° turns in IMC conduit.



MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MI-541	8320	1/2"	100	20,0
MI-542	8321	3/4"	50	16,0
MI-543	8322	1"	40	22,0
MI-544	8323	1 1/4"	30	26,0
MI-545	8324	1 1/2"	20	26,0
MI-546	8325	2"	8	18,0
MI-547	8326	2 1/2"	4	5,5
MI-548	8327	3"	2	8,6
MI-549	8328	4"	1	15

90° THREADED PULLING ELBOW



- Certified by UL, GOST-R and EAC.
- Made of Zamak (Zinc die-cast).
- Used for sharp bends in IMC conduit, provides easy wire pulling and maintenance thanks to a removable cover.

MSM Code	Manufacturer's Code	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
MI-764	RTR-125	1 1/4"	20	5,2
MI-765	RTR-150	1 1/2"	10	4,6
MI-766	RTR-200	2"	5	4,2

90° THREADED PULLING ELBOW COUPLING



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

MSM Code	Manufacturer's Code	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
MI-774	RTB-125	1 1/4"	20	5,2
MI-775	RTB-150	1 1/2"	10	4,6
MI-776	RTB-200	2"	5	4,2

* For elbows of the size from 4" to 6" see page 30.

TWO-HOLE CLAMP

UL PG EAC



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

MSM Code	Manufacturer's 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 PG EAC



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

MSM Code	Manufacturer's 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 PG EAC



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

MSM Code	Manufacturer's 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 PG EAC



- Certified by UL, GOST-R and EAC.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Used to fix IMC conduits to C and G profiles / sections.

MSM Code	Manufacturer's 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

THERMOPLASTIC BUSHING



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

MSM Code	Manufacturer's Code	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



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

MSM Code	Manufacturer's Code	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

INSULATED GROUNDING METAL BUSHING / CAST IRON



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

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

INSULATED METAL BUSHING / ZAMAK



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

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

LOCK NUT (GAS THREAD) / STEEL



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

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

LOCK NUT (GAS THREAD) / ZAMAK



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

MSM Code	Manufacturer's Code	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
MI-587.T	ZLN-250	2 1/2"	10	1,20
MI-588.T	ZLN-300	3"	10	1,40
MI-589.T	ZLN-400	4"	10	2,10

PVC END CAP/ TRANSPARENT (ENDING)



- Certified by GOST-R, EAC and CE.
- Made of Polyethylene (I20).
- Fits tightly over threaded conduit.
- Used in IMC 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

STEEL FISH TAPE CASE



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

MSM Code	Manufacturer's Code	Measurements Width x Thickness (mm)	Length (mt.)
MG-741	FWT-15S	3,0x1,3	15
MG-742	FWT-30S	3,0x1,3	30
MG-743	FWT-45	3,0x1,3	45
MG-744	FWT-60	3,0x1,3	60
MG-745	FWT-75	3,0x1,3	75
MG-746	FWT-100	3,0x1,3	100

CABLE PULLING LUBRICANT



MSM Code	Quantity
KÇS-01	Tube (1 lt)

DEBURRING MACHINE



MSM Code	Size
MG-721	1/2" - 3/4" - 1"

* Codes of benders with a handle

** Codes of benders without a handle

IMC CONDUIT BENDER



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

MSM Code	Manufacturer's Code *	Manufacturer's Code **	Size
MI-601	SCB-075H	SCB-075	1/2"
MI-602	SCB-100H	SCB-100	3/4"
MI-603	SCB-125H	SCB-125	1"

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



- Certified by UL 6, ANSI C80.1, GOST and EAC.
- Burr-free electrical installation conduits.
- Hot-dip galvanized coating, characterized.
- Produced in the Far East, bendable.
- $\pm 5\%$ 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	Manufacturer's Code	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 TYPE GALVANIZED STEEL THREADED RIGID CONDUITS / HOT-DIP GALVANIZED



- Certified by UL 6 and ANSI C80.1.
- 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	Manufacturer's Code	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

45° NORMAL ELBOW



- Made of Galvanized Steel.
- Electro-galvanized coating.
- Hot-dip galvanized coating also available.
- Used for 45° turns in RSC conduits.

⊕

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MR-551	8356	1/2"	50	17,5
MR-552	8357	3/4"	50	25,0
MR-553	8358	1"	25	22,5
MR-554	8359	1 1/4"	20	29,0
MR-555	8360	1 1/2"	15	29,3
MR-556	8361	2"	10	30,0
MR-557	8362	2 1/2"	4	22,0
MR-558	8363	3"	2	17,3
MR-559	8365	4"	1	15,0

90° NORMAL ELBOW

UL



- Certified by UL.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Hot-dip galvanized coating also available.
- Used for 90° turns in RSC conduits.

⊕

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MR-541	8344	1/2"	50	17,5
MR-542	8345	3/4"	50	25,0
MR-543	8346	1"	25	22,5
MR-544	8347	1 1/4"	20	29,0
MR-545	8348	1 1/2"	15	29,3
MR-546	8349	2"	10	30,0
MR-547	8350	2 1/2"	4	22,0
MR-548	8351	3"	2	17,3
MR-549	8353	4"	1	15,0

CONDUIT COUPLING

UL



- Certified by UL.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Hot-dip galvanized coating also available.
- Used to connect RSC conduits.

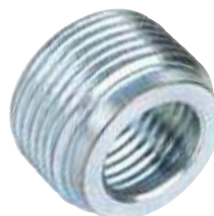
MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MR-511	0324	1/2"	300	15,0
MR-512	0325	3/4"	200	17,0
MR-513	0326	1"	120	15,6
MR-514	0327	1 1/4"	80	14,8
MR-515	0328	1 1/2"	80	17,2
MR-516	0329	2"	60	20,4
MR-517	0330	2 1/2"	18	10,8
MR-518	0331	3"	12	15,6
MR-519	0333	4"	8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

⊕ For elbows of the sizes from 4" to 6" see page 30.

⊕ ⊕ In the reducers of RB type smaller sizes stand for female thread, bigger sizes stand for male thread. For other sizes see

GALVANIZED METAL REDUCER

UL CE EAC



- Certified by UL, GOST-R, EAC and CE.
- Made of Galvanized Steel.
- Electro-galvanized coating.
- Used to connect conduits with different GAS type thread sizes.

⊕ ⊕

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)
RB-2	RB-075050	3/4" x 1/2"	125
RB-3	RB-100050	1" x 1/2"	60
RB-4	RB-100075	1" x 3/4"	60
RB-5	RB-125050	1-1/4" x 1/2"	30
RB-6	RB-125075	1-1/4" x 3/4"	30
RB-7	RB-125100	1-1/4" x 1"	30
RB-8	RB-150050	1-1/2" x 1/2"	25
RB-9	RB-150075	1-1/2" x 3/4"	25
RB-10	RB-150100	1-1/2" x 1"	25
RB-11	RB-150125	1-1/2" x 1-1/4"	25
RB-12	RB-200050	2" x 1/2"	15
RB-13	RB-200075	2" x 3/4"	15
RB-14	RB-200100	2" x 1"	15
RB-15	RB-200125	2" x 1-1/4"	15
RB-16	RB-200150	2" x 1-1/2"	15

CONDULET TYPE C



- Certified by GOST-R and EAC.
- Made of Cast Aluminum.
- UL certified items also available.
- Colour RAL 7042, electrostatic paint.
- Has a steel sheet cover, sealed.
- Used for cable pulling and conduit direction change in both EMT and IMC.

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

CONDULET TYPE LB



- Certified by GOST-R and EAC.
- Made of Cast Aluminum.
- UL certified items also available.
- Colour RAL 7042, electrostatic paint.
- Has a steel sheet cover, sealed.
- Used for cable pulling and conduit direction change in both EMT and IMC.

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

CONDULET TYPE LL



- Certified by GOST-R and EAC.
- Made of Aluminum.
- UL certified items also available.
- Colour RAL 7042, electrostatic paint.
- Has a steel sheet cover, sealed.
- Used for cable pulling and conduit direction change in both EMT and IMC.

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

CONDULET TYPE LR



- Certified by GOST-R and EAC.
- Made of Cast Aluminum.
- UL certified items also available.
- Colour RAL 7042, electrostatic paint.
- Has a steel sheet cover, sealed.
- Used for cable pulling and conduit direction change in both EMT and IMC.

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

CONDULET TYPE T



- Certified by GOST-R and EAC.
- Made of Cast Aluminum.
- UL certified items also available.
- Color RAL 7042, electrostatic paint.
- Has a steel sheet cover, sealed.
- Used for cable pulling and conduit direction change in both EMT and IMC.

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MLT-201	T-050CF	1/2"	10	1,3
MLT-202	T-075CF	3/4"	10	1,8
MLT-203	T-100CF	1"	6	1,5
MLT-204	T-125CF	1 1/4"	2	1,0
MLT-205	T-150CF	1 1/2"	2	1,2
MLT-206	T-200CF	2"	2	1,4
MLT-207	T-250CF	2 1/2"	1	2,2
MLT-208	T-300CF	3"	1	3,3
MLT-209	T-400CF	4"	1	4,4

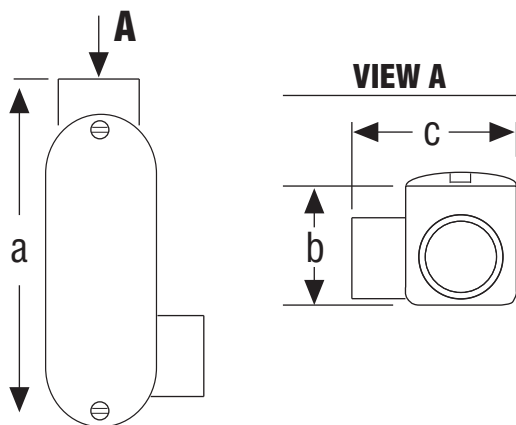
CONDULET TYPE X



- Certified by GOST-R and EAC
- Made of Cast Aluminum
- Colour RAL 7042, electrostatic paint
- Has a steel sheet cover, sealed
- Used for cable pulling and conduit direction change in both EMT and IMC.

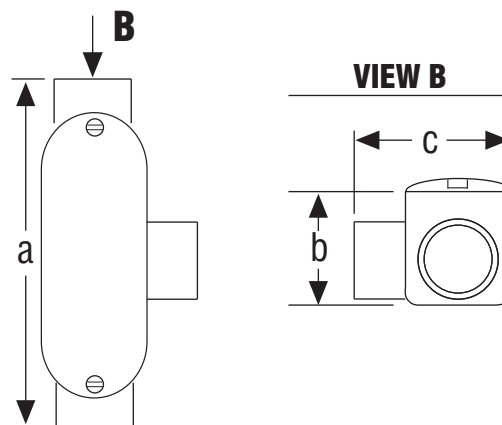
MSM Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MLX-201	1/2"	10	1,5
MLX-202	3/4"	10	2,0
MLX-203	1"	6	1,8
MLX-204	1 1/4"	2	1,3
MLX-205	1 1/2"	2	1,4
MLX-206	2"	2	1,6
MLX-207	2 1/2"	1	2,6
MLX-208	3"	1	3,8
MLX-209	4"	1	5,0

DIMENSIONS (LL, LB, LR TYPES)



Size	a (cm)	b (cm)	c (cm)
1/2"	10,95	3,49	5,16
3/4"	12,93	4,13	5,87
1"	15,00	4,76	6,82
1 1/4"	19,84	6,35	8,89
1 1/2"	19,84	6,35	8,89
2"	25,55	8,57	10,87
2 1/2"	32,54	10,16	14,92
3"	32,54	11,43	14,92
4"	39,68	14,29	19,44

DIMENSIONS (T TYPE)



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

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

ROUND TYPE JUNCTION BOX – FIVE OUTLETS

IP66

UL PC EAC



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

MSM Code	Manufacturer's Code	Total Knockout Number x Size	Dimensions Ø x d (mm)
MG-859.1	BRD-4	5 x 1/2"	Ø10,6 x 4,2
MG-859.2	RB-7	5 x 3/4"	Ø10,6 x 4,2

DOUBLE JUNCTION BOX - NINE OUTLETS

IP66

UL PC EAC



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

MSM Code	Manufacturer's Code	Total Knockout Number x Size	Dimensions WxHxD (mm)
MG-866.1	TGB50-9	9 x 1/2"	11,8 x 11,8 x 5,5
MG-866.2	TGB75-9	9 x 3/4"	11,8 x 11,8 x 5,5

SINGLE JUNCTION BOX EXTENTION RING

UL



- Certified by UL.
- Made of Cast Aluminum.
- Used with one gang outdoor type aluminum boxes.

MSM Code	Manufacturer's Code	Total Knockout Number x Size	Dimensions WxHxD (mm)
MG-867.1	EXR-1	Deliksiz	7,2 x 11,8 x 3,5
MG-867.2	EB50-4	4 x 1/2"	7,2 x 11,8 x 3,5
MG-867.3	EB75-6	6 x 3/4"	7,2 x 11,8 x 3,5

DOUBLE JUNCTION BOX EXTENTION RING

UL



- Certified by UL.
- Made of Cast Aluminum.
- Used with two-gang outdoor type aluminum boxes.

MSM Code	Manufacturer's Code	Total Knockout Number x Size	Dimensions WxHxD (mm)
MG-868.1	EXR-2	Deliksiz	11,8 x 11,8 x 3,5
MG-868.2	2EB50-6	6 x 1/2"	11,8 x 11,8 x 3,5
MG-868.3	2EB75-8	8 x 3/4"	11,8 x 11,8 x 3,5

ROUND JUNCTION BOX EXTENSION RING

UL



- Certified by UL.
- Made of Cast Aluminum.
- Used with round outdoor type aluminum boxes.

MSM Code	Manufacturer's Code	Total Knockout Number x Size	Dimensions Ø x d (mm)
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

ROUND JUNCTION BOX COVER

UL PC EAC

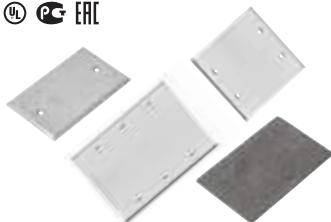


- Certified by UL, GOST-R and EAC.
- Made of Aluminum Sheet.
- Inner surface made of rubber.
- Used with round outdoor type aluminum boxes.

MSM Code	Manufacturer's Code	Diameter (mm)	Quantity per Package (pcs)
MG-860	RBC-4	Ø10,8	100

JUNCTION BOX COVERS

UL PC EAC



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

MSM Code	Manufacturer's Code	Box Type	Size W x L (mm)
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

THREADED METAL BLIND PLUG

PC EAC



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

MSM Code	Manufacturer's Code	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 PC EAC



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

MSM Code	Manufacturer's Code	Total Knockout Number x Size	Dimensions WxHxD (mm)
MG-851.1	FSB50-3	3 x 1/2"	7,2 x 11,8 x 5,1
MG-851.2	FSB75-3	3 x 3/4"	7,2 x 11,8 x 5,1
MG-851.3	DB100	3 x 1"	7,2 x 11,8 x 6,6

SINGLE JUNCTION BOX – FOUR OUTLETS

IP66

UL PC EAC



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

MSM Code	Manufacturer's Code	Total Knockout Number x Size	Dimensions WxHxD (mm)
MG-853.1	FSB50-4	4 x 1/2"	7,2 x 11,8 x 5,1
MG-853.2	FSB75-4	4 x 3/4"	7,2 x 11,8 x 5,1
MG-853.3	DB75-4	4 x 3/4"	7,2 x 11,8 x 6,6

SINGLE JUNCTION BOX – FIVE OUTLETS

IP66

UL PC EAC



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

MSM Code	Manufacturer's Code	Total Knockout Number x Size	Dimensions WxHxD (mm)
MG-855.1	FSB50-5X	5 x 1/2"	7,2 x 11,8 x 5,1
MG-855.2	FSB75-5X	5 x 3/4"	7,2 x 11,8 x 5,1
MG-855.3	DB100-5X	5 x 1"	7,2 x 11,8 x 6,6

DOUBLE JUNCTION BOX – SEVEN OUTLETS

IP66

UL PC EAC



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

MSM Code	Manufacturer's Code	Total Knockout Number x Size	Dimensions WxHxD (mm)
MG-857.1	TGB50-7X	7 x 1/2"	11,8 x 11,8 x 5,5
MG-857.2	TGB75-7X	7 x 3/4"	11,8 x 11,8 x 5,5
MG-857.3	DBT100-7X	7 x 1"	11,8 x 11,8 x 6,6

TRIPLE JUNCTION BOX - THREE OUTLETS

IP66

UL PC EAC



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

MSM Code	Manufacturer's Code	Total Knockout Number x Size	Dimensions WxHxD (mm)
MG-861.1	TGB50-3	3 x 1/2"	11,8 x 11,8 x 5,5
MG-861.2	TGB75-3	3 x 3/4"	11,8 x 11,8 x 5,5
MG-861.3	TGB100-3	3 x 1"	11,8 x 11,8 x 5,5

DOUBLE JUNCTION BOX – FOUR OUTLETS

IP66

UL PC EAC



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

MSM Code	Manufacturer's Code	Total Knockout Number x Size	Dimensions WxHxD (mm)
MG-862.1	TGB50-4	4 x 1/2"	11,8 x 11,8 x 5,5
MG-862.2	TGB75-4	4 x 3/4"	11,8 x 11,8 x 5,5
MG-862.3	TGB100-4	4 x 1"	11,8 x 11,8 x 5,5

DOUBLE JUNCTION BOX – FIVE OUTLETS

IP66

UL PC EAC



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

MSM Code	Manufacturer's Code	Total Knockout Number x Size	Dimensions WxHxD (mm)
MG-863.1	TGB50-5	5 x 1/2"	11,8 x 11,8 x 5,5
MG-863.2	TGB75-5	5 x 3/4"	11,8 x 11,8 x 5,5
MG-863.3	DBT100	5 x 1"	11,8 x 11,8 x 6,6

TRIPLE JUNCTION BOX – SEVEN OUTLETS

IP66

UL PC EAC



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

MSM Code	Manufacturer's Code	Total Knockout Number x Size	Dimensions WxHxD (mm)
MG-864.1	DBF50-7	7 x 1/2"	16,2 x 11,4 x 6,6
MG-864.2	DBF75-7	7 x 3/4"	16,2 x 11,4 x 6,6
MG-864.3	DBF100-7	7 x 1"	16,2 x 11,4 x 6,6

SCREW TYPE CONNECTOR / ZAMAK

UL EAC



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

MSM Code	Suitable Flex. Conduit Size	Manufacturer's 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 EAC



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

MSM Code	Suitable Flex. Conduit Size	Manufacturer's 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



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

MSM Code	Suitable Flex. Conduit Size	Manufacturer's 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



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

MSM Code	Suitable Flex. Conduit Size	Manufacturer's 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

RIGID CONDUIT NIPPLE



- Made of Cast Iron.
- Electro-galvanized coating.
- Used to connect conduit with an internal thread.

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MR-741	83802	1/2"	25	0,90
MR-742	83812	3/4"	25	1,40
MR-743	83822	1"	25	1,90
MR-744	83832	1 1/4"	25	2,50
MR-745	83842	1 1/2"	25	2,80
MR-746	83853	2"	25	3,20

NIPPLE WITH FLANGE



- Made of Cast Iron.
- Electro-galvanized coating.
- Used to terminate conduit with an internal thread.

MSM Code	Manufacturer's Code	Size	Quantity per Package (pcs)	Package Weight (kg)
MR-751	MCN-050	1/2"	100	1,87
MR-752	MCN-075	3/4"	100	2,80
MR-753	MCN-100	1"	50	2,38
MR-754	MCN-125	1 1/4"	25	1,82
MR-755	MCN-150	1 1/2"	25	2,28
MR-756	MCN-200	2"	20	2,80



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- ▶ Rigid Galvanized Metal Conduits
- ▶ Rigid Metal Conduit Accessories
- ▶ Rigid Metal Conduit Mounting Accessories
- ▶ Cast Iron Boxes

- ▶ Cast Iron Condulets
- ▶ Cast Aluminum Condulets/Boxes
- ▶ Cast Alu. and Metal Sheet Boxes/Socket Panels
- ▶ Special Metal Connectors and Accessories

cable protection, carrying and ending systems

GALVANIZED THREADED CONDUITS WITH A COUPLING / HOT-DIP GALVANIZED

MIDDLE SERIES




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

MSM Code	Size	Nominal Diameter (ID x OD, mm)	Nominal Wall Thickness (mm)	Weight (m/kg)	Weight (length/kg)	Quantity per Bundle	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 / HOT-DIP GALVANIZED

MIDDLE SERIES




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

MSM Code	Size	Nominal Diameter (ID x OD, mm)	Nominal Wall Thickness (mm)	Weight (m/kg)	Weight (length/kg)	Quantity per Bundle	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

 EAC

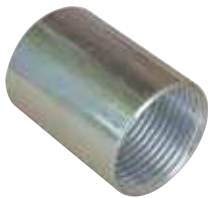

MSM Code	Thread Type	Material
GK-G1	1/2"	Steel+Hot-dip Galv.Coat.
GK-G2	3/4"	Steel+Hot-dip Galv.Coat.
GK-G3	1"	Steel+Hot-dip Galv.Coat.
GK-G4	1 1/4"	Steel+Hot-dip Galv.Coat.
GK-G5	1 1/2"	Steel+Hot-dip Galv.Coat.
GK-G6	2"	Steel+Hot-dip Galv.Coat.
GK-G7	2 1/2"	Steel+Hot-dip Galv.Coat.
GK-G8	3"	Steel+Hot-dip 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

 EAC


MSM Code	Thread Type	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)

 EAC


MSM Code	Thread Type	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)

 EAC


MSM Code	Thread Type	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.

THREADED CONNECTOR-HUB

 EAC


MSM Code	Thread Type	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.

ERICKSON COUPLING - 3 PIECE UNIT

 EAC


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

GROUNDING METAL BUSHING

 EAC


MSM Code	Thread Type	Material
MB-G1	1/2"	Brass+Nickel Coat.
MB-G2	3/4"	Brass+Nickel Coat.
MB-G3	1"	Brass+Nickel Coat.
MB-G4	1 1/4"	Brass+Nickel Coat.
MB-G5	1 1/2"	Brass+Nickel Coat.
MB-G6	2"	Brass+Nickel Coat.
MB-G7	2 1/2"	Brass+Nickel Coat.
MB-G8	3"	Brass+Nickel Coat.
MB-G9	4"	Brass+Nickel Coat.
MB-G10	5"	Brass+Nickel Coat.
MB-G11	6"	Brass+Nickel Coat.

PVC INSULATED GROUNDING METAL BUSHING

 EAC


MSM Code	Thread Type	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 CONDUIT THREADLESS CONNECTOR

CE



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

EMT - FLEXIBLE STEEL CONDUIT CONNECTING ADAPTOR

CE ENEC



MSM Code	Thread Type	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.

REDUCER NIPPLE (MALE TO MALE)

CE



MSM Code	Thread Type (ExD)	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-G3.G4	1/2" - 3/4"	Brass+Nickel Coat.
NR-G4.G8	3/4" - 2"	Brass+Nickel Coat.
NR-G5.G3	1" - 1/2"	Brass+Nickel Coat.
NR-G7.G4	1 1/2" - 3/4"	Brass+Nickel Coat.
NR-G8.G5	2" - 1"	Brass+Nickel Coat.

THREAD SHORT REDUCER (MALE TO FEMALE)

CE ENEC



MSM Code	Thread Type (ExD)	Material
KR-G3-2	1/2" - 3/8"	Brass+Nickel Coat.
KR-G4-3	3/4" - 1/2"	Brass+Nickel Coat.
KR-G5-3	1" - 1/2"	Brass+Nickel Coat.
KR-G5-4	1" - 3/4"	Brass+Nickel Coat.
KR-G6-3	1 1/4" - 1/2"	Brass+Nickel Coat.
KR-G6-4	1 1/4" - 3/4"	Brass+Nickel Coat.
KR-G6-5	1 1/4" - 1"	Brass+Nickel Coat.
KR-G7-3	1 1/2" - 1/2"	Brass+Nickel Coat.
KR-G7-4	1 1/2" - 3/4"	Brass+Nickel Coat.
KR-G7-5	1 1/2" - 1"	Brass+Nickel Coat.
KR-G7-6	1 1/2" - 1 1/4"	Brass+Nickel Coat.
KR-G8-3	2" - 1/2"	Brass+Nickel Coat.
KR-G8-4	2" - 3/4"	Brass+Nickel Coat.
KR-G8-5	2" - 1"	Brass+Nickel Coat.
KR-G8-6	2" - 1 1/4"	Brass+Nickel Coat.
KR-G8-7	2" - 1 1/2"	Brass+Nickel Coat.
KR-G9-8	2 1/2" - 2"	Brass+Nickel Coat.
KR-G10-9	3" - 2 1/2"	Brass+Nickel Coat.
KR-G11-10	4" - 3"	Brass+Nickel Coat.

THREADED RIGID CONDUIT - FLEXIBLE CONDUIT CONNECTOR

CE



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

THREADED CONDUIT - FLEXIBLE STEEL COND. CONN. ADAPTOR

CE ENEC



MSM Code	Thread Type	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.

COUPLING REDUCER (FEMALE TO FEMALE)

CE



MSM Code	Thread Type (ExD)	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.
MR-G3.G4	1/2" - 3/4"	Brass+Nickel Coat.
MR-G4.G8	3/4" - 2"	Brass+Nickel Coat.
MR-G5.G3	1" - 1/2"	Brass+Nickel Coat.
MR-G7.G4	1 1/2" - 3/4"	Brass+Nickel Coat.
MR-G8.G5	2" - 1"	Brass+Nickel Coat.

THREAD NORMAL REDUCER (MALE TO FEMALE)

CE ENEC



MSM Code	Thread Type (ExD)	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 stand for female thread, bigger sizes stand for male thread.

PVC FERRULE (GRAY/BLACK)

CE EAC



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

TRANSPARENT FERRULE



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

BLIND PLUG (GAS)

CE EAC



MSM Code	Thread Type	Material
MT-G1	1/2"	Brass+Nickel Coat.
MT-G2	3/4"	Brass+Nickel Coat.
MT-G3	1"	Brass+Nickel Coat.
MT-G4	1 1/4"	Brass+Nickel Coat.
MT-G5	1 1/2"	Brass+Nickel Coat.
MT-G6	2"	Brass+Nickel Coat.
MT-G7	2 1/2"	Brass+Nickel Coat.
MT-G8	3"	Brass+Nickel Coat.
MT-G9	4"	Brass+Nickel Coat.
MT-G10	5"	Brass+Nickel Coat.

⊗

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

SHORT TYPE REDUCER BUSHING



⊗

NOTE: Smaller sizes stand for female thread, bigger sizes stand for male thread.

MSM Code	Thread Type (ExD)	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.
KBR-G12.G11	5"-4"	Brass+Nickel Coat.

LOCK NUT (GAS THREAD)

EAC



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MSM Code	Thread Type	Material
KS-G1	1/2"	Brass+Nickel Coat.
KS-G2	3/4"	Brass+Nickel Coat.
KS-G3	1"	Brass+Nickel Coat.
KS-G4	1 1/4"	Brass+Nickel Coat.
KS-G5	1 1/2"	Brass+Nickel Coat.
KS-G6	2"	Brass+Nickel Coat.
KS-G7	2 1/2"	Brass+Nickel Coat.
KS-G8	3"	Brass+Nickel Coat.
KS-G9	4"	Brass+Nickel Coat.
KS-G10	5"	Brass+Nickel Coat.

LOCK NUT (NPT THREAD)

EAC



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MSM Code	Thread Type	Material
KS-N1	1/2" NPT	Brass+Nickel Coat.
KS-N2	3/4" NPT	Brass+Nickel Coat.
KS-N3	1" NPT	Brass+Nickel Coat.
KS-N4	1 1/4" NPT	Brass+Nickel Coat.
KS-N5	1 1/2" NPT	Brass+Nickel Coat.
KS-N6	2" NPT	Brass+Nickel Coat.
KS-N7	2 1/2" NPT	Brass+Nickel Coat.
KS-N8	3" NPT	Brass+Nickel Coat.
KS-N9	4" NPT	Brass+Nickel Coat.
KS-N10	5" NPT	Brass+Nickel Coat.

LOCK NUT (METRIC THREAD)

EAC



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MSM Code	Thread Type	Material
KS-M1	M12x1,5	Brass+Nickel Coat.
KS-M2	M16x1,5	Brass+Nickel Coat.
KS-M3	M20x1,5	Brass+Nickel Coat.
KS-M4	M25x1,5	Brass+Nickel Coat.
KS-M5	M32x1,5	Brass+Nickel Coat.
KS-M6	M40x1,5	Brass+Nickel Coat.
KS-M7	M50x1,5	Brass+Nickel Coat.
KS-M8	M63x1,5	Brass+Nickel Coat.
KS-M9	M75x1,5	Brass+Nickel Coat.
KS-M10	M80x1,5	Brass+Nickel Coat.

LOCK NUT (PG THREAD)

EAC



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MSM Code	Thread Type	Material
KS-P1	Pg 7	Brass+Nickel Coat.
KS-P2	Pg 9	Brass+Nickel Coat.
KS-P3	Pg 11	Brass+Nickel Coat.
KS-P4	Pg 13,5	Brass+Nickel Coat.
KS-P5	Pg 16	Brass+Nickel Coat.
KS-P6	Pg 21	Brass+Nickel Coat.
KS-P7	Pg 29	Brass+Nickel Coat.
KS-P8	Pg 36	Brass+Nickel Coat.
KS-P9	Pg 42	Brass+Nickel Coat.
KS-P10	Pg 48	Brass+Nickel Coat.

⊗ These items can also be produced in metal with electro-galvanized coating.

STANDARD NUT CLAMP

CE ENEC ENEC



Heavy duty clamps and 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.

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.

TIE ROD



MSM Code	Thread Type	Material
RT-G1	M6x1000	Metal+Electro-Galv. Coat.
RT-G2	M8x1000	Metal+Electro-Galv. Coat.
RT-G3	M10x1000	Metal+Electro-Galv. Coat.
RT-G4	M12x1000	Metal+Electro-Galv. Coat.
RT-G5	M14x1000	Metal+Electro-Galv. Coat.
RT-G6	M16x1000	Metal+Electro-Galv. Coat.
RT-G7	M20x1000	Metal+Electro-Galv. Coat.
RT-G8	M24x1000	Metal+Electro-Galv. Coat.
RT-G9	M30x1000	Metal+Electro-Galv. Coat.
RT-G10	M30x1500	Metal+Electro-Galv. Coat.

RAIL TYPE CLAMP

CE ENEC ENEC



MSM Code	Size	Clamping Range(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.

HEAVY DUTY CLAMP WITH A COUPLING

CE



MSM Code	Thread Type	Material
AMK-11	1/2"	Metal+Electro-Galv. Coat.
AMK-12	3/4"	Metal+Electro-Galv. Coat.
AMK-13	1"	Metal+Electro-Galv. Coat.

G PROFILE WITH/WITHOUT HOLES

CE ENEC



MSM Code	Size gxxhxe (mm)	Material
GP-01	41x22x2.5	Metal+Electro-Galv. Coat.
GP-02	41x41x2.5	Metal+Electro-Galv. Coat.
GP-03	35x18x2.0	Metal+Electro-Galv. Coat.

Hot-dip galvanized coating type is also available.

SPRING METAL NUT

CE ENEC



MSM Code	Thread Type	Material
YS-01	M6	Metal+Electro-Galv. Coat.
YS-02	M8	Metal+Electro-Galv. Coat.
YS-03	M10	Metal+Electro-Galv. Coat.
YS-04	M12	Metal+Electro-Galv. Coat.

SPRINGLESS METAL NUT

CE ENEC



MSM Code	Thread Type	Material
YS-11	M6	Metal+Electro-Galv. Coat.
YS-12	M8	Metal+Electro-Galv. Coat.
YS-13	M10	Metal+Electro-Galv. Coat.
YS-14	M12	Metal+Electro-Galv. Coat.

ADJUSTABLE CLAMP U TYPE

CE



MSM Code	Clamping Range(mm)	Quan. per Pack.(pcs)	Material
AK-12	8÷12	100	Metal+Hot-Dip Galv.Coat.
AK-16	12÷16	100	Metal+Hot-Dip Galv.Coat.
AK-22	16÷22	100	Metal+Hot-Dip Galv.Coat.
AK-28	22÷28	100	Metal+Hot-Dip Galv.Coat.
AK-34	28÷34	100	Metal+Hot-Dip Galv.Coat.
AK-40	34÷40	100	Metal+Hot-Dip Galv.Coat.
AK-46	40÷46	100	Metal+Hot-Dip Galv.Coat.
AK-52	46÷52	100	Metal+Hot-Dip Galv.Coat.
AK-58	52÷58	100	Metal+Hot-Dip Galv.Coat.
AK-64	58÷64	100	Metal+Hot-Dip Galv.Coat.
AK-70	64÷70	50	Metal+Hot-Dip Galv.Coat.
AK-76	70÷76	25	Metal+Hot-Dip Galv.Coat.
AK-82	76÷82	25	Metal+Hot-Dip Galv.Coat.
AK-90	82÷90	25	Metal+Hot-Dip Galv.Coat.
AK-100	90÷100	25	Metal+Hot-Dip Galv.Coat.

■ The slit length of 16-17 mm is suitable for C profile rails.
■ Polypropylene provides pressure support; the item does not contain halogen. Corrosion resistant type is also available.

ANGLE CLAMP U TYPE

CE



MSM Code	Clamping Range(mm)	Quan. per Pack.(pcs)	Material
AK1-12	8÷12	100	Metal+Hot-Dip Galv.Coat.
AK1-16	12÷16	100	Metal+Hot-Dip Galv.Coat.
AK1-22	16÷22	100	Metal+Hot-Dip Galv.Coat.
AK1-28	22÷28	100	Metal+Hot-Dip Galv.Coat.
AK1-34	28÷34	100	Metal+Hot-Dip Galv.Coat.
AK1-40	34÷40	100	Metal+Hot-Dip Galv.Coat.
AK1-46	40÷46	100	Metal+Hot-Dip Galv.Coat.
AK1-52	46÷52	100	Metal+Hot-Dip Galv.Coat.
AK1-58	52÷58	100	Metal+Hot-Dip Galv.Coat.
AK1-64	58÷64	100	Metal+Hot-Dip Galv.Coat.
AK1-70	64÷70	50	Metal+Hot-Dip Galv.Coat.
AK1-76	70÷76	25	Metal+Hot-Dip Galv.Coat.
AK1-82	76÷82	25	Metal+Hot-Dip Galv.Coat.
AK1-90	82÷90	25	Metal+Hot-Dip Galv.Coat.
AK1-100	90÷100	25	Metal+Hot-Dip Galv.Coat.

■ The slit length of 18-22 mm is suitable for C profile rails.
■ 4÷12 mm thick flat iron and iron profiles can also be used.

CONDUIT HANGER

CE ENEC



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

GROUDING CLAMP

CE ENEC



⊗

MSM Code	Size	Cable Dia. (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.

ONE-HOLE CLAMP

CE ENEC



⊗

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

TWO-HOLE CLAMP

CE ENEC



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

U TYPE BOLT CLAMP

CE 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.

SQUARE BOLT CLAMP

CE ENEC



⊗

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

PROFILE HANGING VISE

CE ENEC



MSM Code	Thread Type	Material
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.

P TYPE CLAMP

CE ENEC



MSM Code	Size	Material
PK-G1	1/4"	Metal+PVC Coat.
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.

⊗ Electro-galvanized coated or stainless steel types are also available.

CAST IRON JUNCTION BOXES - GRF-... TYPES

"GRFC", CAST IRON JUNCTION BOX

CE ENEC ENEC



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

"GRFT", CAST IRON JUNCTION BOX

CE ENEC ENEC



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

CAST IRON JUNCTION BOXES - GS-... TYPES

"GSC", CAST IRON JUNCTION BOX

CE ENEC ENEC



Code (No Fix.Elem.)	Code (With a Fix.Elem.)	Thread Type	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 ENEC



Code (No Fix.Elem.)	Code (With a Fix.Elem.)	Thread Type	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 ENEC



Code (No Fix.Elem.)	Code (With a Fix.Elem.)	Thread Type	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 ENEC



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

"GRFX", CAST IRON JUNCTION BOX

CE ENEC ENEC



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

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

CE ENEC ENEC



Code (No Fix.Elem.)	Code (With a Fix.Elem.)	Thread Type	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 ENEC



Code (No Fix.Elem.)	Code (With a Fix.Elem.)	Thread Type	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.
- All local products are manufactured in accordance with metallurgical industry specification (ERENCO).
- 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 EAC



MSM Code	Thread T.	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	3"	Cast Iron+El.-Galv.Coat.
SD-C-G8	4"	Cast Iron+El.-Galv.Coat.

CONDULET TYPE "T,,

CE EAC



MSM Code	Thread T.	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	3"	Cast Iron+El.-Galv.Coat.
SD-T-G8	4"	Cast Iron+El.-Galv.Coat.

CONDULET TYPE "X,,

CE EAC



MSM Code	Thread T.	Material
SD-X-G1	1/2"	Sfero Döküm+El.-Galv.Coat.
SD-X-G2	3/4"	Sfero Döküm+El.-Galv.Coat.
SD-X-G3	1"	Sfero Döküm+El.-Galv.Coat.
SD-X-G4	1 1/4"	Sfero Döküm+El.-Galv.Coat.
SD-X-G5	1 1/2"	Sfero Döküm+El.-Galv.Coat.
SD-X-G6	2"	Sfero Döküm+El.-Galv.Coat.
SD-X-G7	3"	Sfero Döküm+El.-Galv.Coat.
SD-X-G8	4"	Sfero Döküm+El.-Galv.Coat.

CONDULET TYPE "LB,,

CE EAC



MSM Kod	Thread T.	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	3"	Cast Iron+El.-Galv.Coat.
SD-LB-G8	4"	Cast Iron+El.-Galv.Coat.

CONDULET TYPE "LL,,

CE EAC



MSM Code	Thread T.	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	3"	Cast Iron+El.-Galv.Coat.
SD-LL-G8	4"	Cast Iron+El.-Galv.Coat.

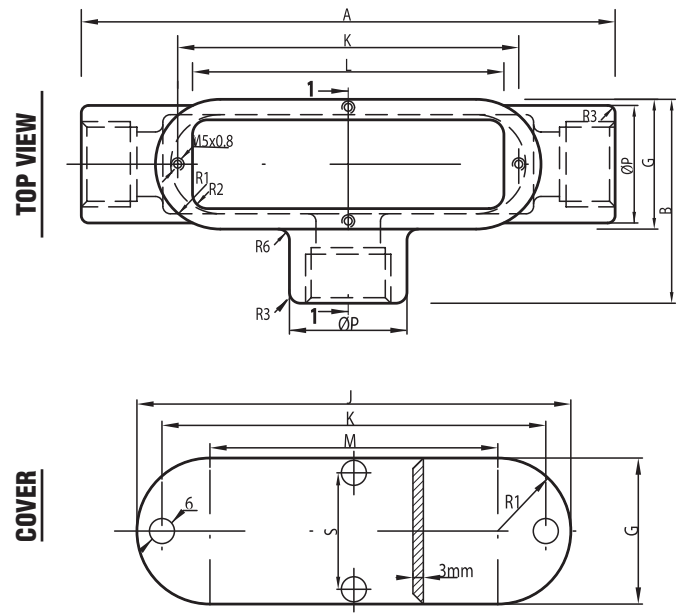
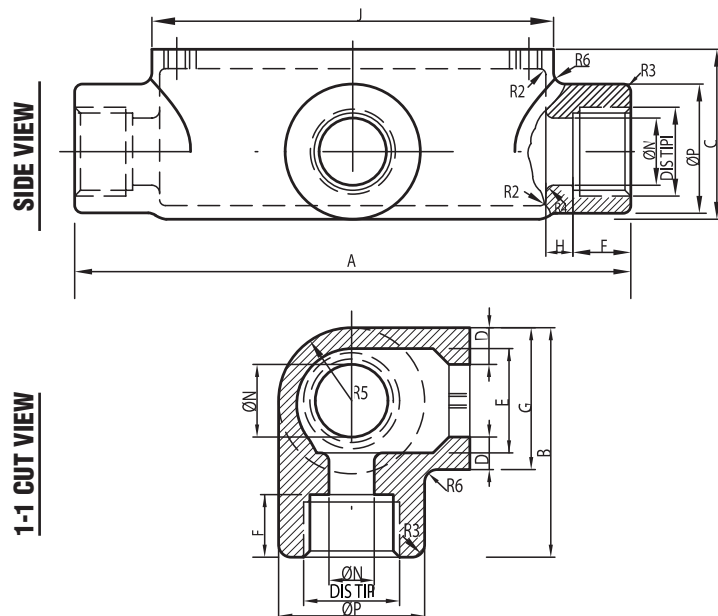
CONDULET TYPE "LR,,

CE EAC



MSM Code	Thread T.	Material
SD-LR-G1	1/2"	Sfero Döküm+El.-Galv.Coat.
SD-LR-G2	3/4"	Sfero Döküm+El.-Galv.Coat.
SD-LR-G3	1"	Sfero Döküm+El.-Galv.Coat.
SD-LR-G4	1 1/4"	Sfero Döküm+El.-Galv.Coat.
SD-LR-G5	1 1/2"	Sfero Döküm+El.-Galv.Coat.
SD-LR-G6	2"	Sfero Döküm+El.-Galv.Coat.
SD-LR-G7	3"	Sfero Döküm+El.-Galv.Coat.
SD-LR-G8	4"	Sfero Döküm+El.-Galv.Coat.

"T,, TYPE SIZES



MSM Code	Thread Type	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

CONDULETS - AD-... TYPES

CONDULET TYPE "C,,

CE



MSM Code	Thread Type	Material
AD-C-G1	1/2"	Alum.Cast+E.Static Paint
AD-C-G2	3/4"	Alum.Cast+E.Static Paint
AD-C-G3	1"	Alum.Cast+E.Static Paint
AD-C-G4	1 1/4"	Alum.Cast+E.Static Paint
AD-C-G5	1 1/2"	Alum.Cast+E.Static Paint
AD-C-G6	2"	Alum.Cast+E.Static Paint
AD-C-G7	3"	Alum.Cast+E.Static Paint
AD-C-G8	4"	Alum.Cast+E.Static Paint

CONDULET TYPE "LB,,

CE



MSM Code	Thread Type	Material
AD-LB-G1	1/2"	Alum.Cast+E.Static Paint
AD-LB-G2	3/4"	Alum.Cast+E.Static Paint
AD-LB-G3	1"	Alum.Cast+E.Static Paint
AD-LB-G4	1 1/4"	Alum.Cast+E.Static Paint
AD-LB-G5	1 1/2"	Alum.Cast+E.Static Paint
AD-LB-G6	2"	Alum.Cast+E.Static Paint
AD-LB-G7	3"	Alum.Cast+E.Static Paint
AD-LB-G8	4"	Alum.Cast+E.Static Paint

CONDULET TYPE "T,,

CE



MSM Code	Thread Type	Material
AD-T-G1	1/2"	Alum.Cast+E.Static Paint
AD-T-G2	3/4"	Alum.Cast+E.Static Paint
AD-T-G3	1"	Alum.Cast+E.Static Paint
AD-T-G4	1 1/4"	Alum.Cast+E.Static Paint
AD-T-G5	1 1/2"	Alum.Cast+E.Static Paint
AD-T-G6	2"	Alum.Cast+E.Static Paint
AD-T-G7	3"	Alum.Cast+E.Static Paint
AD-T-G8	4"	Alum.Cast+E.Static Paint

CONDULET TYPE "LL,,

CE



MSM Code	Thread Type	Material
AD-LL-G1	1/2"	Alum.Cast+E.Static Paint
AD-LL-G2	3/4"	Alum.Cast+E.Static Paint
AD-LL-G3	1"	Alum.Cast+E.Static Paint
AD-LL-G4	1 1/4"	Alum.Cast+E.Static Paint
AD-LL-G5	1 1/2"	Alum.Cast+E.Static Paint
AD-LL-G6	2"	Alum.Cast+E.Static Paint
AD-LL-G7	3"	Alum.Cast+E.Static Paint
AD-LL-G8	4"	Alum.Cast+E.Static Paint

CONDULET TYPE "X,,

CE



MSM Code	Thread Type	Material
AD-X-G1	1/2"	Alum.Cast+E.Static Paint
AD-X-G2	3/4"	Alum.Cast+E.Static Paint
AD-X-G3	1"	Alum.Cast+E.Static Paint
AD-X-G4	1 1/4"	Alum.Cast+E.Static Paint
AD-X-G5	1 1/2"	Alum.Cast+E.Static Paint
AD-X-G6	2"	Alum.Cast+E.Static Paint
AD-X-G7	3"	Alum.Cast+E.Static Paint
AD-X-G8	4"	Alum.Cast+E.Static Paint

CONDULET TYPE "LR,,

CE



MSM Code	Thread Type	Material
AD-LR-G1	1/2"	Alum.Cast+E.Static Paint
AD-LR-G2	3/4"	Alum.Cast+E.Static Paint
AD-LR-G3	1"	Alum.Cast+E.Static Paint
AD-LR-G4	1 1/4"	Alum.Cast+E.Static Paint
AD-LR-G5	1 1/2"	Alum.Cast+E.Static Paint
AD-LR-G6	2"	Alum.Cast+E.Static Paint
AD-LR-G7	3"	Alum.Cast+E.Static Paint
AD-LR-G8	4"	Alum.Cast+E.Static Paint

NOTE: All boxes and condulets can also be produced with electro-galvanized coating.

JUNCTION BOXES - AS-... TYPES

"ASC,, CAST ALUMINUM JUNCTION BOX

CE



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

"ASL,, CAST ALUMINUM JUNCTION BOX

CE



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

"AST,, CAST ALUMINUM JUNCTION BOX

CE



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

"ASX,, CAST ALU. JUNC. BOX WITH/WITHOUT A FIXING ELEMENT

CE

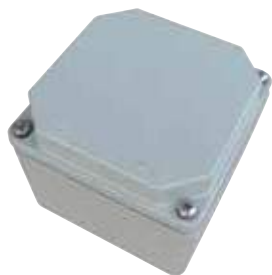


Code (No Fix.Elem.)	Code (With a Fix.Elem.)	Thread Type	Inner Diameter (mm)
ASX-110	ASX-119	1/2"	90
ASX-210	ASX-219	3/4"	
ASX-310	ASX-319	1"	
ASX-410	---	1 1/4"	
ASX-510	---	1 1/2"	
ASX-610	---	2"	122
ASX-120	ASX-129	1/2"	
ASX-220	ASX-229	3/4"	
ASX-320	ASX-329	1"	

CAST ALUMINUM JUNCTION BOX

IP67

CE ENEC



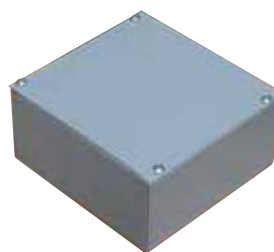
- Certified by TSE, GOST-R, EAC and CE.
- Made of Cast Aluminum.
- Color RAL 7040, electrostatic paint.
- Connector, rail, terminal strip etc. can be mounted upon request.
- The number and size of knockouts can be specified by a customer.

MSM Code	Size WxLxH (mm)	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

GALVANIZED METAL SHEET JUNCTION BOX

IP44

CE ENEC



- 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
GBK-15	190x350x90	20	2,00
GBK-16	230x280x110	20	2,00
GBK-17	250x250x110	20	2,00
GBK-18	310x400x140	30	3,00

METAL SHEET JUNCTION BOX - HEAVY DUTY

CE ENEC



- 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.

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

220/24 V SOCKET PANEL



PP-G1

Color RAL7032, electrostatic powder paint
 Metal Plate Dimensions: 600x350x5mm
 Transformer Box Dimensions: 260x200x120mm
 Aluminum Cast, hinged, screw type cover, sealed
 220/24V, 200VA Transformer, Automatic, Socket System
 Produced in accordance with metallurgical industry standards (ERENCO)

380 V SOURCE SOCKET PANEL



KPP-G2

Color RAL7032, electrostatic powder paint
 Metal Plate Dimensions: 950x400x5mm
 Filter Box Dimensions: 370x300x180
 Aluminum Cast, hinged, screw type cover, sealed
 Three-phased plug and socket system, 63-80A compact switch
 Produced in accordance with metallurgical industry standards (ERENCO)

380/220/24V COMBI SOCKET PANEL



KPP-G3

Color RAL7032, electrostatic powder paint
 Metal Plate Dimensions: 1000x500x5mm
 Combi-Box Dimensions: 600x400x20mm
 Aluminum Cast, hinged, screw type cover, sealed
 Three-phased plug and socket system, 63-80A compact switch
 220-24V socket system, 220/24V, 200A transformer, automatic
 Produced in accordance with metallurgical industry standards (ERENCO)

CAST ALUMINUM SWITCH AND SOCKET BOX - HIGHER TYPE

CE ENEC



ADA-02

Dimensions: 100x100x80mm
 Cast Aluminum base
 Grounded socket outlet with a cover and a single pole switch
 1/2"-3/4"-1" conduit inlets, mounted from the outside
 4 corner holes for mounting it to the wall
 RAL 7040 electrostatic paint, IP-67 protection

PETROL PUMP HOSE CONNECTOR



- Made of Brass.
- Nickel coating.
- Produced in 5/8", 3/4" and 1".
- Used as a hose nozzle connector in petrol pumps.

SWIVEL PUMP HOSE CONNECTOR



- Made of Brass.
- Nickel coating.
- Swivel nut and o-ring.
- Characterized by 360° rotation.
- Produced in 5/8", 3/4" and 1".
- Used as a hose nozzle connector in petrol pumps.

PETROL PUMP FLOW CONTROL NIPPLE



- Made of Brass.
- Nickel coating.
- Produced with a thread suitable for flow control.
- Produced in 5/8", 3/4" and 1".
- Used in petrol pumps.

PNEUMATIC CONNECTOR



- Made of Brass.
- Produced with any required thread type to use with any required type of hose.
- Nickel coating if requested.
- Used in pneumatic systems.

HYDRAULIC CONNECTOR



- Made of Brass.
- Produced in any required length and thread type.
- Nickel coating if requested.
- Used as a connecting element in hydraulic systems.

BRASS CONDUIT CONNECTOR



- Made of Brass.
- Nickel coating.
- Produced with any required thread size, male or female thread.
- Used in plumbing and natural gas installation.

M.V. TRANSFORMER CONNECTOR



- Made of Brass.
- Nickel coating.
- IP68 protection level due to the use of an o-ring.
- Any required length and thread type.
- Used as a connector in thermometers, explosion valves, ebm papst and buchholz connectors.

CASTERMID CONDUIT CONNECTOR



- Any required thread size.
- Used with steel flexible conduit.
- Cover part is made of brass with nickel coating.
- Threaded body is made of castermid.
- The black castermid part is also available in other colors.
- Castermid is impact resistant.
- The working temperature of castermid is 110°, the melting temperature 220°.

CABLE CONNECTOR WITH FLANGES



- Made of Brass.
- Nickel coating.
- Waterproof cable entry.
- Made for cables with the diameters of 6÷12 mm.
- Especially used in cable installation on ships.

BRASS TERMINAL STRIP



- Made of Brass.
- Screw type mounting.
- Can be produced with 4-12 holes.
- Special terminal strips not found in our catalogue can be produced upon request.

HOSE CONNECTOR



- Made of Brass.
- Any required type of thread.
- Pressure resistant.
- Nickel coating if required.
- Used in ending systems of water and natural gas pipes.

BRAKE HOSE CONNECTOR



- Made of Metal.
- Electro-galvanized coating.
- Suitable for hydraulic hoses of min. 1/8", max. 3/16".
- Can be produced in a different length and with a different diameter if requested.
- Especially used in automobile sector, in brake systems.

SPECIAL REDUCER



- Made of Brass.
- Any required thread type.
- Nickel coating if required.
- Used to reduce or increase a diameter.

PIPE REDUCER



- Made of Brass.
- Any required thread type.
- Nickel coating if required.
- Used to reduce or increase a diameter.

SHORT REDUCER



- Made of Brass.
- Any required thread type.
- Nickel coating if required.
- Used to reduce or increase a diameter.

PROPORTIONATE NIPPLE



- Made of Brass.
- Any required thread type.
- Nickel coating if required.
- Used to reduce or increase a diameter.

THREADED PLUG



- Made of Brass.
- Any required thread type.
- Nickel coating if required.
- Used in ending systems of water and natural gas pipes.

BRASS BOLT, NUT AND WASHER

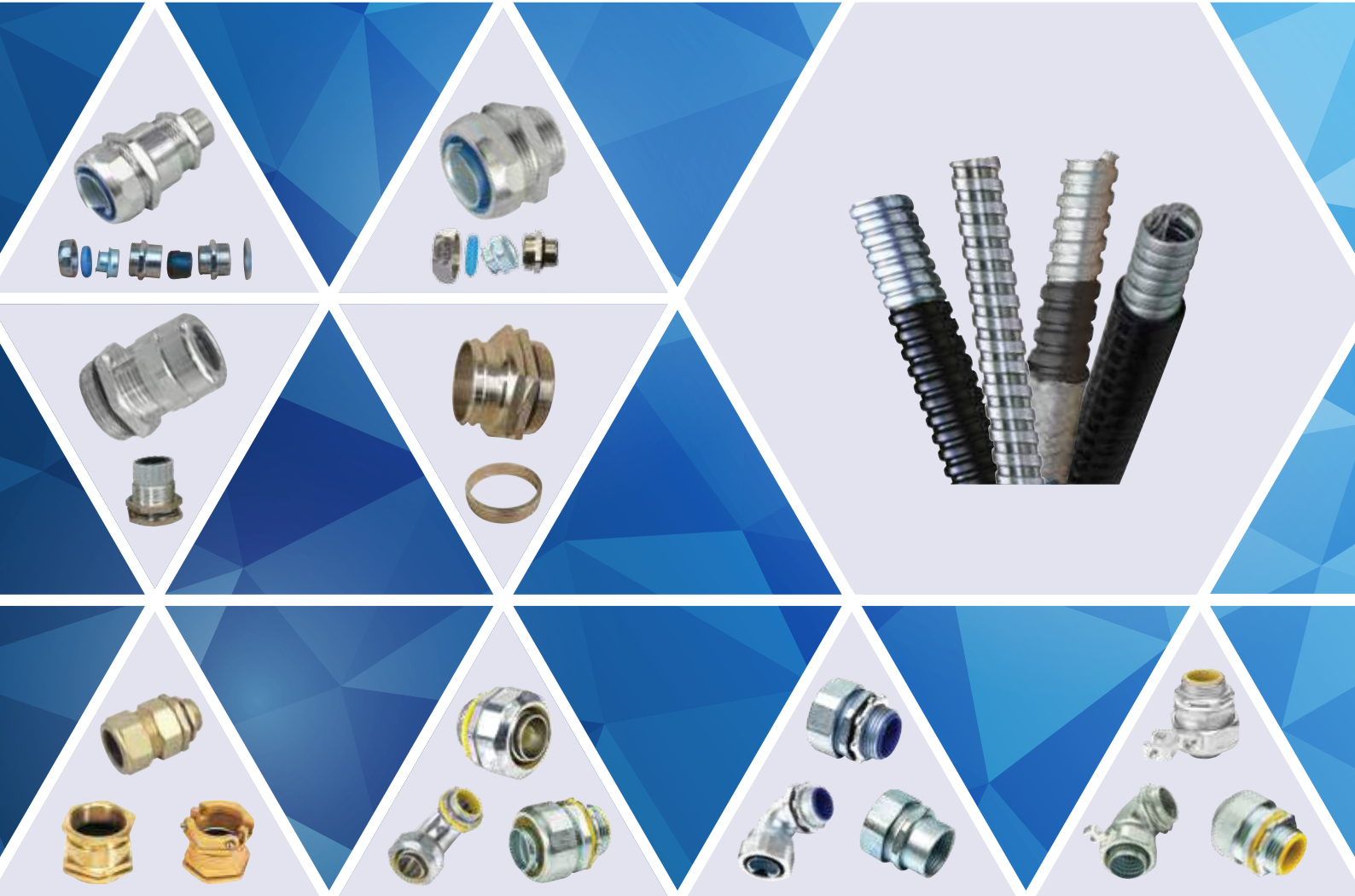


- Made of Brass.
- Any required size and thread type.
- Nickel coating if required.
- Can be produced both as a set and separately.

NOTE: Besides products on this page we can also produce any other required items from brass.



www.msmmuhendislik.com



- ▶ **Tin-Plated Flexible Steel Conduits**
- ▶ **Conduit Accessories For Indoor Use**
- ▶ **Galvanized Steel Flexible Conduits**
- ▶ **Conduit Accessories For Outdoor Use**
- ▶ **Silok Type Cable Glands**
- ▶ **Liquidtight Connectors For Outdoor Use**

- ▶ **Flexible Steel Conduit Connectors / Imported**
- ▶ **Imported Flexible Steel Conduits / Flexicon**
- ▶ **Imported Flex. Steel Cond. Connectors / Flexicon**
- ▶ **Metal Cable Glands and Accessories**
- ▶ **Armoured / Anarmoured Metal Cable Glands**
- ▶ **Metal Cable Glands**

cable protection, carrying and ending systems

PVC COATED FLEXIBLE STEEL CONDUIT

CE PG EAC



- 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.

(GRAY-BLACK) -40°C / +70°C

MSM Code	Size	Inside Diameter (mm)	Outside Diameter (mm)	Meters Per Piece
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



- Certified by CE, GOST-R and EAC.
- 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.).

(WHITE) -40°C / +70°C

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

FLEXIBLE STEEL CONDUIT WITHOUT PVC COATING

CE PG EAC



- 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.

-40°C / +200°C

MSM Code	Size	Inside Diameter (mm)	Outside Diameter (mm)	Meters Per Piece
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.

-40°C / +150°C

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

INT. TYPE STRAIGHT THREAD METAL CONN. / 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

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

INT. TYPE SWIVEL THREAD METAL CONN. / 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

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

INT. TYPE STRAIGHT THREAD METAL CONN. / 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

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

INT. TYPE SWIVEL THREAD METAL CONN. / 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

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

TSE CE EAC



(BLACK-GRAY) -40°C / +70°C

- Certified by TSE, 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 Piece
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 FLEXIBLE STEEL CONDUIT

TSE CE EAC



(BLACK-GRAY) -40°C / +70°C

- Certified by TSE, 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 Code	Size	Inside Diameter (mm)	Outside Diameter (mm)	Meters Per Piece
MLY-10	1/4"	10	14	30
MLY-13	3/8"	13	17	30
MLY-16	1/2"	16	21	30
MLY-21	3/4"	21	26	30
MLY-26	1"	26	32	30
MLY-35	1 1/4"	35	41	15
MLY-40	1 1/2"	40	47	15
MLY-52	2"	52	59	15
MLY-63	2 1/2"	63	72	15
MLY-78	3"	78	88	7,5
MLY-102	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, business centers and high-rise towers.

Galvanized Code	Stainless Steel Code	Size	Inside Dia. (mm)	Outside Dia. (mm)	Meters Per Piece
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



-40°C / +250°C

- 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.
- Especially used to protect the cable from electromagnetic fields.

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

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



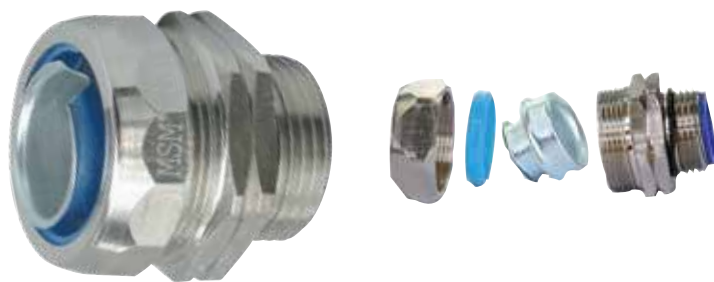
- Certified by CE, GOST-R and EAC.
- Working temperature -40°C / +105°C.
- Made of Brass with a nickel coating over it.
- NPT thread type, any desired size and thread size available upon request.
- Can also be produced in metal with electro-galvanized coating.
- Especially used in construction of industrial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

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



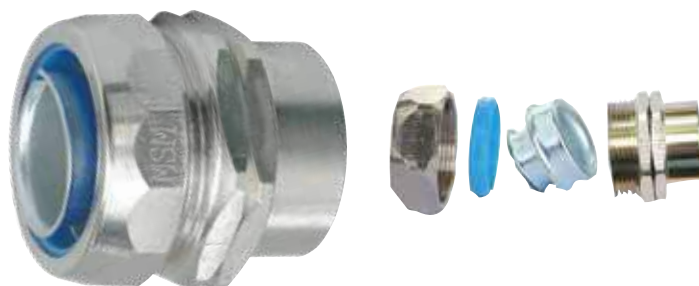
- Certified by CE, GOST-R and EAC.
- Working temperature -40°C / +105°C.
- Made of Brass with a nickel coating over it.
- Plastic sleeve inside the connector protects the cable against wearing out.
- Protection level up to IP-68 when used with a suitable gasket (O-ring).
- NPT thread type, special sizes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

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

IP 65

CE PG ENEC



- 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 51).
- The hole diameters specified in the lists are given adding ~2 mm to the thread diameters.
- 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	15,2	KS-00
SLK-G2.G2	M..-13	3/8"	5÷10	18,7	KS-G0
SLK-G3.G3	M..-16	1/2"	6÷12	23,0	KS-G1
SLK-G4.G4	M..-21	3/4"	13÷18	28,4	KS-G2
SLK-G5.G5	M..-26	1"	18÷25	35,3	KS-G3
SLK-G6.G6	M..-35	1 1/4"	22÷32	43,9	KS-G4
SLK-G7.G7	M..-40	1 1/2"	30÷38	49,8	KS-G5
SLK-G8.G8	M..-52	2"	34÷44	61,6	KS-G6
SLK-G9.G9	M..-63	2 1/2"	48÷61	77,2	KS-G7
SLK-G10.G10	M..-75	3"	56÷72	90,0	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	15,8	KS-00
SLK-G2.N2	M..-13	3/8"	5÷10	19,2	KS-N0
SLK-G3.N3	M..-16	1/2"	6÷12	23,4	KS-N1
SLK-G4.N4	M..-21	3/4"	13÷18	28,7	KS-N2
SLK-G5.N5	M..-26	1"	18÷25	35,5	KS-N3
SLK-G6.N6	M..-35	1 1/4"	22÷32	44,2	KS-N4
SLK-G7.N7	M..-40	1 1/2"	30÷38	50,0	KS-N5
SLK-G8.N8	M..-52	2"	34÷44	62,5	KS-N6
SLK-G9.N9	M..-63	2 1/2"	48÷61	75,1	KS-N7
SLK-G10.N10	M..-75	3"	56÷72	88,8	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	14,2	KS-M1
SLK-G2.M2	M..-13	M16	5÷10	18,2	KS-M2
SLK-G3.M3	M..-16	M20	6÷12	22,2	KS-M3
SLK-G4.M4	M..-21	M25	13÷18	27,2	KS-M4
SLK-G5.M5	M..-26	M32	18÷25	34,2	KS-M5
SLK-G6.M6	M..-35	M40	22÷32	42,2	KS-M6
SLK-G7.M7	M..-40	M50	30÷38	52,2	KS-M7
SLK-G8.M8	M..-52	M63	34÷44	65,2	KS-M8
SLK-G9.M9	M..-63	M72	48÷61	74,2	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	17,2	KS-P2
SLK-G2.P3	M..-13	Pg 11	5÷10	20,6	KS-P3
SLK-G3.P4	M..-16	Pg 13,5	6÷12	22,4	KS-P4
SLK-G3.P5	M..-16	Pg 16	6÷12	24,5	KS-P5
SLK-G4.P6	M..-21	Pg 21	13÷18	30,3	KS-P6
SLK-G5.P7	M..-26	Pg 29	18÷25	39,0	KS-P7
SLK-G6.P8	M..-35	Pg 36	22÷32	49,0	KS-P8
SLK-G7.P9	M..-40	Pg 42	30÷38	56,0	KS-P9
SLK-G8.P10	M..-52	Pg 48	34÷44	61,3	KS-P10

LIQUID-TIGHT MALE TYPE CONNECTOR / ZAMAK



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

MSM Code	Suitable Flex. Cond. Type	Manufacturer's 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

90° LIQUID-TIGHT MALE TYPE CONNECTOR / ZAMAK



- Certified by UL, GOST-R and EAC.
- Made of Zamak (Zink 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	Manufacturer's 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

LIQUID-TIGHT MALE TYPE CONNECTOR / STEEL



- 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	Manufacturer's 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 MALE TYPE CONNECTOR / CAST IRON



- 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	Manufacturer's 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

LIQUID-TIGHT GROUNDED MALE TYPE CONNECTOR / CAST IRON



- 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	Manufacturer's 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 GROUNDED MALE TYPE CONNECTOR / CAST IRON



- 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	Manufacturer's 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 ENEC ENEC



- 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.

MSM Code	Suitable Flex. Cond. Type	Manufacturer's 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 ENEC ENEC



- 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.

MSM Code	Suitable Flex. Cond. Type	Manufacturer's 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/P5	M...-16	DPJ-050P	Pg 13,5/16	50	4,14
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

45°NPT THREAD MALE TYPE CONNECTOR / ZAMAK

IP67

CE ENEC ENEC



- 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	Manufacturer's 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 ENEC ENEC



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

MSM Code	Suitable Flex. Cond. Type	Manufacturer's 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 ENEC ENEC



- 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.

MSM Code	Suitable Flex. Cond. Type	Manufacturer's 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 ENEC ENEC



- 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 Kod	Suitable Flex. Cond. Type	Manufacturer's 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

PVC COATED FLEXIBLE STEEL CONDUIT

CE RoHS BSEN



- Flexible metal conduit made of galvanized sheet, 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

STEEL WIRE BRAIDED FLEXIBLE STEEL CONDUIT

CE RoHS BSEN



- The inside construction is made of galvanized sheet, the outside part is galvanized steel wire braiding.
- The wire braiding can be made of stainless steel if required.
- Especially used to protect the cable from electromagnetic fields.

-100°C / +300°C

MSM Code	Inside Diameter (mm)	Outside Diameter (mm)	Meters Per Piece
FB-12	10,2	14,0	25
FB-16	13,0	17,4	25
FB-20	16,9	21,5	25
FB-25	21,1	26,0	25
FB-32	28,1	34,0	25
FB-40	37,6	43,5	10

FLEXIBLE STEEL CONDUIT WITHOUT PVC COATING

CE RoHS BSEN



- Flexible metal conduit made of galvanized steel.
- Resistant to high temperatures due to the absence of PVC coating.
- Especially used in social buildings, business centers, workshops and high-rise towers, suitable for indoor use.

-100°C / +300°C

MSM Code	Inside Diameter (mm)	Outside Diameter (mm)	Meters Per Piece
FU-10	6,8	9,0	50
FU-12	10,2	13,0	50
FU-16	13,0	16,0	50
FU-20	16,9	20,5	50
FU-25	21,1	25,0	50
FU-32	28,1	32,0	25
FU-40	37,6	42,5	25
FU-50	48,4	53,0	25
FU-63	57,5	62,5	10
FU-75	70,0	77,0	10

■ The products similar to the products on this page by **Adaptaflex** are also available for ordering.

STRAIGHT THREAD METAL 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 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

SWIVEL THREAD METAL 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 sealed it is only suitable for indoor use.

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

ENDING CONNECTOR

CE RoHS BSEN



Ending Connector Code	Suitable Flex. Conduit Size
FU-10P	F... - Ø10
FU-12P	F... - Ø12
FU-16P	F... - Ø16
FU-20P	F... - Ø20
FU-25P	F... - Ø25
FU-32P	F... - Ø32
FU-40P	F... - Ø40
FU-50P	F... - Ø50
FU-63P	F... - Ø63
FU-75P	F... - Ø75

P TYPE CLAMP

CE RoHS BSEN



Clamp Code	Suitable Flex. Conduit Size
FCC-10	F... - Ø10
FCC-12	F... - Ø12
FCC-16	F... - Ø16
FCC-20	F... - Ø20
FCC-25	F... - Ø25
FCC-32	F... - Ø32
FCC-40	F... - Ø40
FCC-50	F... - Ø50
FCC-63	F... - Ø63
FCC-75	F... - Ø75

OUTSIDE TYPE 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.

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

■ The products similar to the products on this page by **Adaptaflex** are also available for ordering.

SUPER WATERPROOF BRASS CABLE GLAND

IP68

CE PG EAC



- Certified by CE, GOST-R and EAC.
- Conforms to EN 50262 standard.
- 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.
- If requested can be produced in any desired size or with a special thread size.
- The hole diameters specified in the lists are given adding ~ 2 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.

GROUNDING COMPONENT

CE



- Certified by CE.
- Made of Brass, can be produced with a nickel coating if required.
- Especially used as a grounding component mounted to a thread body of connectors.
- Can be delivered already mounted to a connector if requested.

Pg Code	Pg Type Size	Metric Code	Metric Type Size	Gas Code	Gas Type Size
TE-P2	Pg 9	TE-M1	M12 x 1,5	TE-G1	1/4"
TE-P3	Pg 11	TE-M2	M16 x 1,5	TE-G2	3/8"
TE-P4/P5	Pg 13,5/16	TE-M3	M20 x 1,5	TE-G3	1/2"
TE-P6	Pg 21	TE-M4	M25 x 1,5	TE-G4	3/4"
TE-P7	Pg 29	TE-M5	M32 x 1,5	TE-G5	1"
TE-P8	Pg 36	TE-M6	M40 x 1,5	TE-G6	1 1/4"
TE-P9	Pg 42	TE-M7	M50 x 1,5	TE-G7	1 1/2"
TE-P10	Pg 48	---	---	TE-G8	2"
TE-P11	PQ 55	TE-M8	M63 x 1,5	---	---
TE-P12	PQ 60	---	---	---	---
TE-P13	PQ 70	TE-M9	M75 x 1,5	TE-G9	2 1/2"
---	---	TE-M10	M80 x 1,5	---	---
TE-P14	PQ 80	TE-M11	M90 x 1,5	TE-G10	3"
TE-P15	PQ 90	TE-M12	M100 x 1,5	---	---

MSM Code	Size	Cable Diameter		Hole Dia. (mm)	Thread Length (mm)	Corner Dia. Ø (mm)
		Min	Max			
Pg THREAD						
MKR-P1	Pg-7	3	6	14,5	6,0	15,5
MKR-P2	Pg-9	4	8	17,2	7,0	19,0
MKR-P3	Pg-11	5	10	20,6	6,0	22,0
MKR-P4	Pg-13,5	6	12	22,4	7,0	24,5
MKR-P5	Pg-16	10	14	24,5	6,5	26,5
MKR-P6	Pg-21	13	18	30,3	7,0	33,5
MKR-P7	Pg-29	18	25	39,0	8,0	44,5
MKR-P8	Pg-36	22	32	49,0	9,0	55,5
MKR-P9	Pg-42	30	38	56,0	12,0	66,5
MKR-P10	Pg-48	34	44	61,3	14,0	69,5

METRIC THREAD

MKR-M1	M12x1,5	3	6	14,0	6,0	15,5
MKR-M2	M16x1,5	4	8	18,0	7,0	19,0
MKR-M3	M20x1,5	6	12	22,0	8,0	24,5
MKR-M4	M25x1,5	10	14	27,0	8,0	26,5
MKR-M5	M32x1,5	13	18	34,0	9,0	33,5
MKR-M6	M40x1,5	18	25	42,0	9,0	44,5
MKR-M7	M50x1,5	22	32	52,0	9,0	55,5
MKR-M8	M63x1,5	34	44	65,0	14,0	69,5

NPT THREAD

MKR-N1	3/8"	4	8	18,6	11,5	19,0
MKR-N2	1/2"	6	12	22,9	13,0	24,5
MKR-N3	3/4"	13	18	28,4	13,0	33,5
MKR-N4	1"	18	25	35,2	13,0	44,5

CONNECTOR PROTECTIVE CAP



- 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.

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

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

E1W ARMoured BRASS CABLE GLAND

IP68

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 $+80^{\circ}\text{C}$.
- If requested can be produced in any desired size or with a special thread size.

Metric Code	Metric Type Size	NPT Code	NPT 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/M12	M12x1,5	E1W/12/1/4"	1/4"	E1W/12/Pg 7	Pg 7	4	9	6	11	15	21
E1W/16/M16	M16x1,5	E1W/16/3/8"	3/8"	E1W/16/Pg 9	Pg 9	5	10	11	13	15	26
E1W/20s/M20	M20x1,5s	E1W/20s/1/2"	1/2"	E1W/20s/Pg 11	Pg 11	6	11	11	15	15	27
E1W/20/M20	M20x1,5	E1W/20/1/2"	1/2"	E1W/20/Pg 13/16	Pg 13,5/16	6	13	15	20	15	33
E1W/25/M25	M25x1,5	E1W/25/3/4"	3/4"	E1W/25/Pg 21	Pg 21	11	19	20	27	15	41
E1W/32/M32	M32x1,5	E1W/32/1"	1"	E1W/32/Pg 29	Pg 29	17	26	26	33	15	51
E1W/40/M40	M40x1,5	E1W/40/1 1/4"	1 1/4"	E1W/40/Pg 36	Pg 36	22	32	31	40	15	61
E1W/50s/M50	M50x1,5s	E1W/50s/1 1/2"	1 1/2"	E1W/50s/Pg 42	Pg 42	29	37	36	46	15	67
E1W/50/M50	M50x1,5	E1W/50/2"	2"	E1W/50/Pg 48	Pg 48	36	44	43	54	15	78
E1W/63s/M63	M63x1,5s	E1W/63s/2"	2"	-	-	40	50	49	59	15	83
E1W/63/M63	M63x1,5	E1W/63/2 1/2"	2 1/2"	-	-	47	55	58	65	15	89
E1W/75s/M75	M75x1,5s	E1W/75s/2 1/2"	2 1/2"	-	-	53	62	61	72	16	100
E1W/75/M75	M75x1,5	E1W/75/3"	3"	-	-	59	68	65	78	16	110
E1W/90/M90	M90x2,0	E1W/90/3"	3"	-	-	67	79	77	90	18	129
E1W/100s/M100	M100x2,0S	E1W/100s/3 1/2"	3 1/2"	-	-	70	84	77	91	18	136
E1W/100/M100	M100x2,0	E1W/100/4"	4"	-	-	75	90	86	99	20	136

CW TYPE UNARMoured BRASS CABLE GLAND

IP68

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 $+80^{\circ}\text{C}$
- If requested can be produced in any desired size or with a special thread size

Metric Code	Metric Type Size	NPT Code	NPT Type Size	Pg Code	Pg Type Size	Cable Diameter (mm)		Thread Length (mm)	Corner Diameter Ø (mm)
						Min	Max		
CW/16/M16	M16x1,5	CW/16/3/8"	3/8"	CW/16/Pg 11	Pg 11	9	13	10	27
CW/20s/M20	M20x1,5s	CW/20s/1/2"	1/2"	CW/20s/Pg 13,5	Pg 13,5	11	15	10	27
CW/20/M20	M20x1,5	CW/20/1/2"	1/2"	CW/20/Pg 16	Pg 16	15	20	10	33
CW/25/M25	M25x1,5	CW/25/3/4"	3/4"	CW/25/Pg 21	Pg 21	20	27	12	41
CW/32/M32	M32x1,5	CW/32/1"	1"	CW/32/Pg 29	Pg 29	26	33	12	51
CW/40/M40	M40x1,5	CW/40/1 1/4"	1 1/4"	CW/40/Pg 36	Pg 36	32	41	15	61
CW/50s/M50	M50x1,5s	CW/50s/1 1/2"	1 1/2"	CW/50s/Pg 36	Pg 36	37	46	15	67
CW/50/M50	M50x1,5	CW/50/2"	2"	CW/50/Pg 42	Pg 42	44	54	15	78
CW/63s/M63	M63x1,5s	CW/63s/2"	2"	CW/63s/Pg 48	Pg 48	49	59	15	83
CW/63/M63	M63x1,5	CW/63/2 1/2"	2 1/2"	-	-	58	65	15	89
CW/75s/M75	M75x1,5s	CW/75s/2 1/2"	2 1/2"	-	-	61	72	16	100
CW/75/M75	M75x1,5	CW/75/3"	3"	-	-	65	78	16	110
CW/90/M90	M90x2,0	CW/90/3"	3 1/2"	-	-	77	90	18	129
CW/100/M100	M100x2,0	CW/100/4"	4"	-	-	86	99	20	136

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 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)
NKR-P1	Pg 7	3÷6	14,5	NKR-M1	M12x1,5	3÷6	14,0
NKR-P2	Pg 9	6÷9	17,2	NKR-M2	M16x1,5	6÷9	18,0
NKR-P3	Pg 11	6÷10	20,6	NKR-M3	M20x1,5	8÷12	22,0
NKR-P4	Pg 13,5	8÷12	22,4	NKR-M4	M25x1,5	14÷19	27,0
NKR-P5	Pg 16	10÷14	24,5	NKR-M5	M32x1,5	18÷24	34,0
NKR-P6	Pg 21	14÷19	30,3	NKR-M6	M40x1,5	29÷35	42,0
NKR-P7	Pg 29	23÷28	39,0	NKR-M7	M50x1,5	35÷41	52,0
NKR-P8	Pg 36	28÷35	49,0	NKR-M8	M63x1,5	43÷49	65,0
NKR-P9	Pg 42	35÷41	56,0	NKR-M9	M75x1,5	55÷62	77,0
NKR-P10	Pg 48	39÷45	61,3	NKR-M10	M90x1,5	64÷72	92,0

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	14,5	KKR-M1	M12x1,5	3÷6	14,0
KKR-P2	Pg 9	6÷9	17,2	KKR-M2	M16x1,5	6÷9	18,0
KKR-P3	Pg 11	6÷10	20,6	KKR-M3	M20x1,5	8÷12	22,0
KKR-P4	Pg 13,5	8÷12	22,4	KKR-M4	M25x1,5	14÷19	27,0
KKR-P5	Pg 16	10÷14	24,5	KKR-M5	M32x1,5	18÷24	34,0
KKR-P6	Pg 21	14÷19	30,3	KKR-M6	M40x1,5	29÷35	42,0
KKR-P7	Pg 29	23÷28	39,0	KKR-M7	M50x1,5	35÷41	52,0
KKR-P8	Pg 36	28÷35	49,0	KKR-M8	M63x1,5	43÷49	65,0
KKR-P9	Pg 42	35÷41	56,0	KKR-M9	M75x1,5	55÷62	77,0
KKR-P10	Pg 48	39÷45	61,3	KKR-M10	M90x1,5	64÷72	92,0

SPECIAL SIZED BRASS CABLE GLAND

IP 55

PG ENEC CE



- 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) in panel and box connections with low and medium voltage.

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	160,0



www.msmmuhendislik.com



- ▶ **PVC Flexible – PE Coil Conduits and Accessories**
- ▶ **PVC Flexible Straight Conduits and Accessories**
- ▶ **PVC Junction Boxes To Use Over Plaster**
- ▶ **Jun. Boxes For Underground Use/PVC Flex. Con. Acc.**
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- ▶ **Threaded Pvc Flexible Conduits and Connectors**

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- ▶ **Cable Ties /Sleeves**
- ▶ **Polyamide And Polypropylene (PP) Flexible Con.**
- ▶ **Polyamide Flexible Conduit Connectors**
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cable protection, carrying and ending systems

PVC RIGID CONDUIT / LIGHT SERIES



TS EN 61386-22

Characteristic : Non-flame / self-extinguishing conduit
Material : PVC based Thermoplastic
Compressive Strength : 320 Newtons / 60 sn Class / 2
Impact Strength : 1 kg / 100mm / -25° Class / 2
Temperature Resistance : -25°C / +60°C Class / 4 / 1
Colors : White, Gray, Black
Areas of Usage : Installation over and under plaster, inside suspended ceiling



2241

MSM Code	Nominal Diameter (mm)	Inside Dia. (mm)	Outside Dia. (mm)	Quantity per Pack. (mt)
SR1-316	Ø16	13,4	16	102
SR1-320	Ø20	17,0	20	102
SR1-325	Ø25	22,1	25	75
SR1-332	Ø32	28,2	32	51
SR1-340	Ø40	36,5	40	51
SR1-350	Ø50	46,4	50	30

PVC RIGID CONDUIT / MIDDLE SERIES



TS EN 61386-22

Characteristic : Non-flame / self-extinguishing conduit
Material : PVC based Thermoplastic
Compressive Strength : 750 Newtons / 60 sn Class / 3
Impact Strength : 1 kg / 100mm / -25° Class / 2
Temperature Resistance : -25°C / +60°C Class / 4 / 1
Colors : White, Gray, Black
Areas of Usage : Installation over and under plaster, inside screed concrete



3241

MSM Code	Nominal Diameter (mm)	Inside Dia. (mm)	Outside Dia. (mm)	Quantity per Pack. (mt)
SR2-316	Ø16	12,8	16	102
SR2-320	Ø20	16,6	20	102
SR2-325	Ø25	21,0	25	75
SR2-332	Ø32	27,5	32	51
SR2-340	Ø40	35,8	40	51
SR2-350	Ø50	45,7	50	30

PVC RIGID CONDUIT / HEAVY SERIES



TS EN 61386-22

Characteristic : Non-flame / self-extinguishing conduit
Material : PVC based Thermoplastic
Compressive Strength : 1250 Newtons / 60 sn Class / 4
Impact Strength : 2 kg / 100mm / -25° Class / 3
Temperature Resistance : -25°C / +60°C Class / 4 / 1
Colors : White, Gray, Black
Areas of Usage : Installation inside concrete, outside and underground



4341

MSM Code	Nominal Diameter (mm)	Inside Dia. (mm)	Outside Dia. (mm)	Quantity per Pack. (mt)
SR3-316	Ø16	11,9	16	102
SR3-320	Ø20	15,7	20	102
SR3-325	Ø25	20,2	25	75
SR3-332	Ø32	26,2	32	51
SR3-340	Ø40	34,5	40	51
SR3-350	Ø50	44,2	50	30

NOTE: PVC Flexible and Coil Conduits of features are available in our sales portfolio.

PVC COUPLING

GRAY / IP 40



MSM Code	Diameter Ø (mm)	Quantity per Package (pcs)
GSU-16	16	100
GSU-20	20	100
GSU-25	25	100
GSU-32	32	50

PVC 90° ELBOW

GRAY / IP 40



MSM Code	Diameter Ø (mm)	Quantity per Package (pcs)
CRS-16	16	200
CRS-20	20	100
CRS-25	25	50
CRS-32	32	25

PVC SCREW DOWEL STRAP

GRAY



MSM Code	Diameter Ø (mm)	Quantity per Package (pcs)
CT-16	16	100
CT-20	20	100
CT-25	25	100
CT-32	32	50

PVC CAPPED STRAP

GRAY



MSM Code	Clamping Range (mm)	Quantity per Package (pcs)
C-12	12÷20	100
C-16	14÷22	100
C-25	23÷35	50
C-50	38÷50	50

PVC "T" TYPE COUPLING

GRAY / IP 40



MSM Code	Diameter Ø (mm)	Quantity per Package (pcs)
TI-16	16	100
TI-20	20	100
TI-25	25	50
TI-32	32	50

PVC 90° ELBOW

GRAY / IP 40



MSM Code	Diameter Ø (mm)	Quantity per Package (pcs)
CI-16	16	100
CI-20	20	100
CI-25	25	100
CI-32	32	50

PVC RIGID CONDUIT BENDING TOOL

METAL



MSM Code	Diameter Ø (mm)	Quantity per Package (pcs)
BA-16	16	1
BA-20	20	1
BA-25	25	1

PVC RIGID CONDUIT-BOX ADAPTOR

GRAY / IP 65



MSM Code	Diameter Ø (mm)	Quantity per Package (pcs)
BS-16	16	50
BS-20	20	50
BS-25	25	50
BS-32	32	25

NOTE: All accessories are compatible with straight conduits of different brands.

HF RIGID CONDUIT / LIGHT SERIES



TS EN 61386-22

Characteristic : Halogen-free rigid conduit
Material : Low Density Polyethylene
Compressive Strength : 320 Newtons Class / 2
Impact Strength : 1 kg / 100mm / -25° Class / 2
Temperature Resistance : -25°C / +60°C Class / 4 / 1
Areas of Usage : Installation over and under plaster, inside suspended ceiling



2241

MSM Code (Flame propagating)	MSM Code (Non-flame propagating)	Nominal Dia. (mm)	Inside Dia. (mm)	Outside Dia. (mm)	Quantity per Pack. (mt)
HFD1-016	HFD1-116	Ø16	13,40	16	150
HFD1-020	HFD1-120	Ø20	17,00	20	105
HFD1-025	HFD1-125	Ø25	22,10	25	60
HFD1-032	HFD1-132	Ø32	28,20	32	45
HFD1-040	HFD1-140	Ø40	36,60	40	36
HFD1-050	HFD1-150	Ø50	46,60	50	30

HF RIGID CONDUIT / MIDDLE SERIES



TS EN 61386-22

Characteristic : Halogen-free rigid conduit
Material : Low Density Polyethylene
Compressive Strength : 750 Newtons Class / 3
Impact Strength : 2 kg / 100mm / -25° Class / 3
Temperature Resistance : -25°C / +60°C Class / 4 / 1
Areas of Usage : Installation over and under plaster, inside screed concrete



3341

MSM Code (Flame propagating)	MSM Code (Non-flame propagating)	Nominal Dia. (mm)	Inside Dia. (mm)	Outside Dia. (mm)	Quantity per Pack. (mt)
HFD2-016	HFD2-116	Ø16	12,80	16	150
HFD2-020	HFD2-120	Ø20	16,60	20	105
HFD2-025	HFD2-125	Ø25	21,00	25	60
HFD2-032	HFD2-132	Ø32	27,50	32	45
HFD2-040	HFD2-140	Ø40	35,60	40	36
HFD2-050	HFD2-150	Ø50	45,40	50	30

HF RIGID CONDUIT / HEAVY SERIES



TS EN 61386-22

Characteristic : Halogen-free rigid conduit
Material : Low Density Polyethylene
Compressive Strength : 1250 Newtons Class / 4
Impact Strength : 2 kg / 100mm / -25° Class / 3
Temperature Resistance : -25°C / +60°C Class / 4 / 1
Areas of Usage : Installation inside concrete, outside and underground



4341

MSM Code (Flame propagating)	MSM Code (Non-flame propagating)	Nominal Dia. (mm)	Inside Dia. (mm)	Outside Dia. (mm)	Quantity per Pack. (mt)
HFD3-016	HFD3-116	Ø16	11,90	16	150
HFD3-020	HFD3-120	Ø20	15,70	20	105
HFD3-025	HFD3-125	Ø25	20,20	25	60
HFD3-032	HFD3-132	Ø32	26,20	32	45
HFD3-040	HFD3-140	Ø40	34,40	40	36
HFD3-050	HFD3-150	Ø50	44,20	50	30

NOTE: Halojen-Free Flexible and Coil Conduits of features are available in our sales portfolio.

HF COUPLING

WHITE



MSM Code	Diameter Ø (mm)	Quantity per Package (pcs)
HFG-116	16	100
HFG-120	20	100
HFG-125	25	50
HFG-132	32	50
HFG-140	40	50
HFG-150	50	25

HF 90° ELBOW

WHITE



MSM Code	Diameter Ø (mm)	Quantity per Package (pcs)
HFG-216	16	100
HFG-220	20	100
HFG-225	25	50
HFG-232	32	50
HFG-240	40	50
HFG-250	50	25

HF SEMICIRCLE STRAP

WHITE



MSM Code	Diameter Ø (mm)	Quantity per Package (pcs)
HFG-316	16	100
HFG-320	20	100
HFG-325	25	50
HFG-332	32	50
HFG-340	40	50
HFG-350	50	25

HF CAPPED STRAP

WHITE



MSM Code	Diameter Ø (mm)	Quantity per Package (pcs)
HFG-416	16	100
HFG-420	20	100
HFG-425	25	50
HFG-432	32	50
HFG-440	40	50
HFG-450	50	25

HF OVER THE PLASTER BOX+COVER

IP55 / WHITE



MSM Code	Sizes WxLxH (mm)	Quantity per Package (pcs)
HFSB-01	70 x 70 x 33	25
HFSB-02	85 x 85 x 50	25
HFSB-03	110 x 110 x 60	20
HFSB-04	110 x 110 x 70	20

HF OVER THE PLASTER BOX+COVER

IP65 / WHITE



MSM Code	Sizes WxLxH (mm)	Quantity per Package (pcs)
HFSB-11	90 x 50 x 45	50
HFSB-12	100 x 100 x 45	50
HFSB-13	100 x 100 x 60	25
HFSB-14	120 x 120 x 50	15

THREADED FLEXIBLE CONDUIT

GRAY



MSM Code	Diameter Ø Ins.xOut.(mm)	Quantity per Package (mt)
GFE-8	8 x 12,2	30
GFE-10	10 x 14,6	30
GFE-12	12 x 16,2	30
GFE-14	14 x 18,2	30
GFE-16	16 x 20,2	30
GFE-20	20 x 24,2	30
GFE-22	22 x 26,4	30
GFE-25	25 x 29,6	30
GFE-28	28 x 33,0	30
GFE-32	32 x 37,2	30
GFE-35	35 x 40,2	30
GFE-40	40 x 45,3	30
GFE-50	50 x 56,0	30
GFE-60	60 x 66,4	30

THREADED FLEXIBLE CONDUIT

BLACK



MSM Code	Diameter Ø Ins.xOut.(mm)	Quantity per Package (mt)
GFE-8N	8 x 12,2	30
GFE-10N	10 x 14,6	30
GFE-12N	12 x 16,2	30
GFE-14N	14 x 18,2	30
GFE-16N	16 x 20,2	30
GFE-20N	20 x 24,2	30
GFE-22N	22 x 26,4	30
GFE-25N	25 x 29,6	30
GFE-28N	28 x 33,0	30
GFE-32N	32 x 37,2	30
GFE-35N	35 x 40,2	30
GFE-40N	40 x 45,3	30
GFE-50N	50 x 56,0	30
GFE-60N	60 x 66,4	30

CONNECTOR + NUT / Pg THREAD

GRAY - IP 65



MSM Code	Thread Type	Quantity per Package (pcs)
G X -8/7	Pg 7	25
G X -10/9	Pg 9	25
G X -12/11	Pg 11	25
G X -12/13	Pg 13,5	25
G X -14/13	Pg 13,5	25
G X -16/13	Pg 13,5	25
G X -16/16	Pg 16	25
G X -20/21	Pg 21	25
G X -22/21	Pg 21	25
G X -25/29	Pg 29	10
G X -28/29	Pg 29	10
G X -32/36	Pg 36	10
G X -35/36	Pg 36	10

CONNECTOR + NUT / Pg THREAD

GRAY - IP 65



MSM Code	Thread Type	Quantity per Package (pcs)
G X -8/7N	Pg 7	25
G X -10/9N	Pg 9	25
G X -12/11N	Pg 11	25
G X -12/13N	Pg 13,5	25
G X -14/13N	Pg 13,5	25
G X -16/13N	Pg 13,5	25
G X -16/16N	Pg 16	25
G X -20/21N	Pg 21	25
G X -22/21N	Pg 21	25
G X -25/29N	Pg 29	10
G X -28/29N	Pg 29	10
G X -32/36N	Pg 36	10
G X -35/36N	Pg 36	10

CONNECTOR + NUT / GAS THREAD

GRAY - IP 65



MSM Code	Thread Type	Quantity per Package (pcs)
G X -8	1/4"	25
G X -10	1/4"	25
G X -12	3/8"	25
G X -14	1/2"	25
G X -16	1/2"	25
G X -20	3/4"	25
G X -22	3/4"	25
G X -25	1"	10
G X -28	1"	10
G X -32	1 1/4"	10
G X -35	1 1/4"	10
G X -40	1 1/2"	10
G X -50	2"	10

CONNECTOR + NUT / GAS THREAD

BLACK



MSM Code	Thread Type	Quantity per Package (pcs)
G X -8N	1/4"	25
G X -10N	1/4"	25
G X -12N	3/8"	25
G X -14N	1/2"	25
G X -16N	1/2"	25
G X -20N	3/4"	25
G X -22N	3/4"	25
G X -25N	1"	10
G X -28N	1"	10
G X -32N	1 1/4"	10
G X -35N	1 1/4"	10
G X -40N	1 1/2"	10
G X -50N	2"	10

CONNECTOR + NUT / METRIC THREAD

GRAY



MSM Code	Thread Type	Quantity per Package (pcs)
G X -12/M16	M16 x 1,5	25
G X -16/M20	M20 x 1,5	25
G X -20/M25	M25 x 1,5	25
G X -25/M32	M32 x 1,5	10
G X -32/M40	M40 x 1,5	10

CONNECTOR + NUT / METRIC THREAD

BLACK - IP 65



MSM Code	Thread Type	Quantity per Package (pcs)
G X -12/M16N	M16 x 1,5	25
G X -16/M20N	M20 x 1,5	25
G X -20/M25N	M25 x 1,5	25
G X -25/M32N	M32 x 1,5	10
G X -32/M40N	M40 x 1,5	10

CONNECTOR + NUT / 90° Pg THREAD

GRAY - IP 65



MSM Code	Thread Type	Quantity per Package (pcs)
D X -10/9	Pg 9	20
D X -12/11	Pg 11	10
D X -16/13	Pg 13,5	10
D X -16/16	Pg 16	10
D X -20/21	Pg 21	10
D X -25/29	Pg 29	10
D X -32/36	Pg 36	5

GENERAL TECHNICAL CHARACTERISTICS:

- Material: impact-resistant thermoplastic coated PVC
 - Material properties: self-extinguishing (non-flame propagating)
 - Impact resistance: 320 N
 - Recommended mounting temperature: from +5°C to +60°C
 - Usage: in equipment and mechanical devices connections
 - Conform to standards: EN 50086-2-1, EN 50086-2-3
- NOTE:** 90° connector is also available with gas thread and in black color.

CABLE TIE STRAP

GRAY



MSM Code	Diameter (mm)	Quantity per Package (pcs)
CFF-1	16÷32,0	100
CFF-2	32÷63,0	50

CABLE TIE TAG

TRANSPARENT



MSM Code	Sizes LxW (mm)	Quantity per Package (pcs)
8701025	100 x 2,5	100
8702025	200 x 2,5	100

CABLE TIE MOUNTING BASE ADHESIVE

TRANSPARENT / BLACK



MSM Code	Sizes LxW (mm)	Quantity per Package (pcs)
83036	19 x 19,0	100
83048	27 x 27,0	100

CABLE TIE MOUNTING BASE

TRANSPARENT / BLACK



MSM Code	Sizes LxW (mm)	Quantity per Package (pcs)
85048	15 x 9,5	100
85090	22 x 16,0	100

CABLE TAG

GRAY



MSM Code	Sizes LxW (mm)	Quantity per Package (pcs)
85048	15 x 9,5	100
85090	22 x 16	100

CABLE WRAP SPIRAL

TRANSPARENT



MSM Code	Diameter Ø Ins.xOut.(mm)	Quantity per Package (pcs)
P-1,5	1,5 x 3	25
P-03	3 x 5	25
P-04	4 x 6	25
P-06	6 x 8	25
P-08	8 x 10	25
P-10	10 x 12	25
P-12	12 x 14	20
P-14	14 x 16	20

CABLE WRAP SPIRAL/NO-FLAME PROPAGATING

WHITE



MSM Code	Diameter Ø Ins.xOut.(mm)	Quantity per Package (pcs)
PA-1,5	1,5 x 3	25
PA-03	3 x 5	25
PA-04	4 x 6	25
PA-06	6 x 8	25
PA-08	8 x 10	25
PA-10	10 x 12	25
PA-12	12 x 14	20
PA-14	14 x 16	20

CABLE WRAP SPIRAL

BLACK



MSM Code	Diameter Ø Ins.xOut.(mm)	Quantity per Package (pcs)
PN-1,5	1,5 x 3	25
PN-03	3 x 5	25
PN-04	4 x 6	25
PN-06	6 x 8	25
PN-08	8 x 10	25
PN-10	10 x 12	25
PN-12	12 x 14	20
PN-14	14 x 16	20

CABLE CHANNEL WITH NARROW HOLES TYPE "S,"

4/6/4



MSM Code	Width (mm)	Height (mm)	Quantity per Pack. (mt)
S 2525	25	25	100
S 2540	25	40	100
S 2560	25	60	70
S 2580	25	80	56
S 4025	40	25	80
S 4040	40	40	70
S 4060	40	60	56
S 4080	40	80	40
S 40100	40	100	32
S 6040	60	40	50
S 6060	60	60	32
S 6080	60	80	36
S 60100	60	100	24
S 8040*	80	40	40
S 8060*	80	60	28
S 8080	80	80	30
S 80100*	80	100	24
S 10040*	100	40	28
S 10060*	100	60	20
S 10080*	100	80	24
S100100*	100	100	16
S 12040*	120	40	24
S 12060*	120	60	20
S 12080*	120	80	16

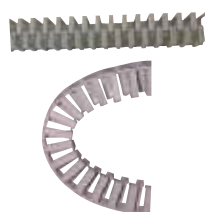
- These products can be used together with SES-G type separator.
- Cable channels of type A of above-stated sizes are also available for ordering.

SEPARATOR



MSM Code	Height (mm)	Quantity per Pack. (mt)
SES-G	40/60/80	50

FLEXIBLE CABLE CHANNEL FOR PANELBOARD



MSM Code	Dimensions (mm)	Quantity per Pack. (mt)
23411	12 x 12 x 500	112
23412	16 x 16 x 500	84
23413	20 x 20 x 500	112
23414	25 x 25 x 500	70
23415	30 x 30 x 500	50
23416	40 x 40 x 500	50
23417	50 x 50 x 500	32

MOUNTING RAIL

WHITE



MSM Code	Dimensions LxWxH(mm)	Type	Length (mt)
PMR-T1	35 x 7.5 x 1	With Hole	2
PMR-T2	35 x 7.5 x 1	Non Hole	2
PMR-T3	35 x 15 x 1.5	With Hole	2
PMR-T4	35 x 15 x 1.5	Non Hole	2
PMR-T5	35 x 15 x 1	With Hole	1
PMR-T6	35 x 7.5 x 1	Non Hole	1
PMR-T7	35 x 15 x 1.5	With Hole	1

CABLE CHANNELS GENERAL TECHNICAL CHARACTERISTICS

- Material: Polyvinyl Chloride (PVS)
- Material properties: self-extinguishing (non-flame propagating)
- Fire protection class: VO-UL94
- Standard length: 2m
- Standard color: Gray RAL 7030
- Conform to standards: C.E.I.23-22, I.M.Q. EA850, U.L. 169019

SUPER WATERPROOF POLYAMIDE CABLE GLAND

IP68

CE PG EAC



- Certified by CE, GOST-R and EAC
- Made of Polyamide PA6
- Conforms to EN 50262 standard
- Heat resistance -30°C, +80°C
- Color options: Gray (RAL 7001), Light Gray (RAL 7035) and Black (RAL 9005)
- Used as an engine or related devices' connector where no conduits are used

MSM Code Gray	MSM Code Black	Size	Cable Dia.		Hole Dia. (mm)	Thread Length (mm)
			Min	Max		
Pg THREAD						
PKR-P1	PKR-P1.N	Pg-7	3	6	14,5	7.5
PKR-P2	PKR-P2.N	Pg-9	4	8	17,2	10,0
PKR-P3	PKR-P3.N	Pg-11	5	10	20,6	10,0
PKR-P4	PKR-P4.N	Pg-13,5	6	12	22,4	10,0
PKR-P5	PKR-P5.N	Pg-16	10	14	24,5	10,0
PKR-P6	PKR-P6.N	Pg-21	13	18	30,3	10,0
PKR-P7	PKR-P7.N	Pg-29	18	25	39,0	10,5
PKR-P8	PKR-P8.N	Pg-36	22	32	49,0	16,0
PKR-P9	PKR-P9.N	Pg-42	30	38	56,0	14,0
PKR-P10	PKR-P10.N	Pg-48	34	44	61,3	14,0

METRIC THREAD						
PKR-M1	PKR-M1.N	M12x1,5	3	6	14,0	10,0
PKR-M2	PKR-M2.N	M16x1,5	5	10	18,0	10,0
PKR-M3	PKR-M3.N	M20x1,5	6	12	22,0	10,0
PKR-M4	PKR-M4.N	M25x1,5	13	18	27,0	10,5
PKR-M5	PKR-M5.N	M32x1,5	18	25	34,0	16,0
PKR-M6	PKR-M6.N	M40x1,5	22	32	42,0	18,0
PKR-M7	PKR-M7.N	M50x1,5	30	38	52,0	18,0
PKR-M8	PKR-M8.N	M63x1,5	34	44	65,0	18,0

HEATSHRINK TUBING / SELF-EXTINGUISHING (2/1)

UL CE



MSM Code	Inside Diameter (mm)	Quantity per Package (mt)
YBM-01	1,5	200
YBM-02	2,5	200
YBM-03	3,0	200
YBM-04	4,0	200
YBM-05	6,0	100
YBM-06	9,0	100
YBM-07	12,0	100
YBM-08	16,0	100
YBM-09	20,0	100
YBM-10	25,0	50
YBM-11	30,0	50
YBM-12	40,0	50
YBM-13	50,0	25
YBM-14	80,0	25
YBM-15	100,0	25

HEATSHRINK TUBING (2/1)

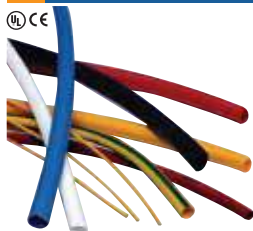
UL CE



MSM Code	Inside Diameter (mm)	Quantity per Package (mt)
BM-01	1,6	200
BM-02	2,4	200
BM-03	3,2	200
BM-04	4,8	200
BM-05	6,4	150
BM-06	9,5	150
BM-07	12,7	100
BM-08	16,0	100
BM-09	19,1	50
BM-10	25,4	50
BM-11	35,0	50
BM-12	40,0	25
BM-13	51,0	25
BM-14	76,0	15
BM-15	102,0	15

GLUE LINED HEATSHRINK TUBING (3/1)

UL CE



MSM Code	Inside Diameter (mm)	Quantity per Package (mt)
YM-01	12,0	10
YM-02	20,0	5
YM-03	32,0	4
YM-04	40,0	3
YM-05	55,0	3
YM-06	70,0	3

* The average shrinking temperature of the tubes is +70°C,

HEATSHRINK TUBING YELLOW/GREEN (2/1)

UL CE



MSM Code	Inside Diameter (mm)	Quantity per Package (mt)
MSY-01	2,4	200
MSY-02	3,2	200
MSY-03	4,8	150
MSY-04	6,4	150
MSY-05	9,5	150
MSY-06	12,7	100
MSY-07	19,0	50
MSY-08	25,4	50

NYLON CABLE TIE – TRANSPARENT



MSM Code	Size LxW (mm)	Quantity per Package (pcs)
M10025	100 x 2.5	100
M16025	160 x 2.5	100
M20025	200 x 2.5	100
M14035	140 x 3.5	100
M20035	200 x 3.5	100
M25035	250 x 3.5	100
M28035	280 x 3.5	100
M36035	360 x 3.5	100
M16045	160 x 4.5	100
M20045	200 x 4.5	100
M25045	250 x 4.5	100
M30045	300 x 4.5	100
M36045	360 x 4.5	100
M43045	430 x 4.5	100
M28075	280 x 7.5	100
M32075	320 x 7.5	100
M36075	360 x 7.5	100
M45075	450 x 7.5	100
M54075	540 x 7.5	100
M78090	780 x 9.0	100
M92090	920 x 9.0	100
M120090	1200 x 9.0	100
M750125	750 x 12.5	50
M100125	1000 x 12.5	50

NYLON CABLE TIE – BLACK



MSM Code	Size LxW (mm)	Quantity per Package (pcs)
S10025	100 x 2.5	100
S16025	160 x 2.5	100
S20025	200 x 2.5	100
S14035	140 x 3.5	100
S20035	200 x 3.5	100
S25035	250 x 3.5	100
S28035	280 x 3.5	100
S36035	360 x 3.5	100
S16045	160 x 4.5	100
S20045	200 x 4.5	100
S25045	250 x 4.5	100
S30045	300 x 4.5	100
S36045	360 x 4.5	100
S43045	430 x 4.5	100
S28075	280 x 7.5	100
S32075	320 x 7.5	100
S36075	360 x 7.5	100
S45075	450 x 7.5	100
S54075	540 x 7.5	100
S78090	780 x 9.0	100
S92090	920 x 9.0	100
S120090	1200 x 9.0	100
S750125	750 x 12.5	50
S100125	1000 x 12.5	50

ULTRAVIOLET CABLE TIE – BLACK



MSM Code	Size LxW (mm)	Quantity per Package (pcs)
U10025	100 x 2.5	100
U13525	135 x 2.5	100
U20025	200 x 2.5	100
U14035	140 x 3.5	100
U20035	200 x 3.5	100
U25035	250 x 3.5	100
U28035	280 x 3.5	100
U20045	200 x 4.5	100
U30045	300 x 4.5	100
U38045	380 x 4.5	100
U43045	430 x 4.5	100
U32075	320 x 7.5	100
U36075	360 x 7.5	100
U45075	450 x 7.5	100
U78090	780 x 9.0	100

COLORFUL CABLE TIE



MSM Code	Size LxW (mm)	Quantity per Package (pcs)
S10025	100 x 2.5	100
K10025	100 x 2.5	100
M10025	100 x 2.5	100
V10025	100 x 2.5	100
Y10025	100 x 2.5	100
S28035	280 x 3.5	100
K28035	280 x 3.5	100
M28035	280 x 3.5	100
V28035	280 x 3.5	100
Y28035	280 x 3.5	100

STAINLESS STEEL CABLE TIE



MSM Code	Size LxW (mm)	Quantity per Package (pcs)
PKB - 2046	200 x 4.6	100
PKB - 3046	300 x 4.6	100
PKB - 3746	370 x 4.6	100
PKB - 5246	520 x 4.6	100
PKB - 2079	200 x 7.9	100
PKB - 3079	300 x 7.9	100
PKB - 3779	370 x 7.9	100

CABLE SHOE



MSM Code	Cable Section (mm²)	Mounting Hole Diameter
SKP - 10	10	M5
SKP - 16	16	M6
SKP - 25	25	M8
SKP - 35	35	M8
SKP - 50	50	M10
SKP - 70	70	M10
SKP - 95	95	M10
SKP - 120	120	M12
SKP - 150	150	M12
SKP - 185	185	M16
SKP - 240	240	M16
SKP - 300	300	M16
SKP - 400	400	M20
SKP - 500	500	M20
SKP - 600	600	M20

POYESTER CABLE SLEEVE – BLACK



MSM Code	Diameter (mm)	Quantity per Package (mt)
PKÇ - 3	3	100
PKÇ - 6	6	100
PKÇ - 10	10	100
PKÇ - 12	12	100
PKÇ - 15	15	100
PKÇ - 20	20	100
PKÇ - 25	25	100
PKÇ - 30	30	100
PKÇ - 40	40	100
PKÇ - 50	50	100

* Cable sleeves are also available in gray, red, blue, yellow and white colors.

*

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)	Quantity per Pack. (pcs)
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)	Quantity per Pack. (pcs)
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

POLYPROPYLENE FLEXIBLE CONDUIT



- Certified by TSE and CE.
- Made of Polypropylene.
- In cold temperatures shows strength and endurance under reverse bending pressure.
- Especially suitable for use in electrical installations, machine and automotive industry to connect engines to related equipment and in security system cable installations.

(GRAY-BLACK) -40°C / +95°C

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

POLYPROPYLENE SPLIT FLEXIBLE CONDUIT



- Certified by TSE and CE.
- Made of Polypropylene.
- In cold temperatures shows strength and endurance under reverse bending pressure.
- Especially suitable for use in electrical installations, machine and automotive industry to connect engines to related equipment and in security system cable installations.
- Used to protect the cable.

(GRİ - SİYAH) -40°C / +95°C

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

POLYAMIDE STRAIGHT CONNECTOR

IP65

CE RoHS✓



- 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 RoHS✓



- 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 Flexible 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 RoHS✓



- 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 +120°C.

(GRI - SIYAH)

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 RoHS✓



- 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.

(GRI - SIYAH)

Suitable Flexible 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 CAPPED STRAP

CE



- 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 by means of a nylon tie.

(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

CE



- 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 BLIND PLUG

IP 54

TSE



- Certified by TSE.
- Made of Polyamide (PA6), halogen-free.
- Especially suitable for filling in unfilled openings in panel boards and distributor boxes.

(GRAY-BLACK)

Pg Code	Pg Size	Metric Code	Metric Size
PKT-P1	Pg 7	PKT-M1	M12 x 1,5
PKT-P2	Pg 9	---	---
PKT-P3	Pg 11	PKT-M2	M16 x 1,5
PKT-P4	Pg 13,5	PKT-M3	M20 x 1,5
PKT-P5	Pg 16	---	---
PKT-P6	Pg 21	PKT-M4	M25 x 1,5
PKT-P7	Pg 29	PKT-M5	M32 x 1,5
PKT-P8	Pg 36	PKT-M6	M40 x 1,5
PKT-P9	Pg 42	PKT-M7	M50 x 1,5
PKT-P10	Pg 48	PKT-M8	M63 x 1,5

POLYAMIDE DISTRIBUTORS "Y," and "T," TYPES

IP 42

RoHS



- Certified by ROHS.
- Made of Polyamide (PA6), halogen-free.
- Self-extinguishing.
- Resistant to oil, acids, petrol chemical substances.
- Especially suitable for use as a cable distributing element in machine production and automotive industry.

-40°C / +110°C

Y Type Code	Flexible Conduit Size	T Type Code	Flexible Conduit Size
PYD-01	07-07-07	PTD-01	07-07-07
PYD-02	09-09-07	PTD-02	09-09-07
PYD-03	09-09-09	PTD-03	09-09-09
PYD-04	11-11-07	PTD-04	11-11-09
PYD-05	11-11-09	PTD-05	11-11-11
PYD-06	16-11-09	PTD-06	16-11-11
PYD-07	16-16-09	PTD-07	16-11-16
PYD-08	16-16-11	PTD-08	16-16-11
PYD-09	21-21-11	PTD-09	21-16-16
PYD-10	21-21-16	PTD-10	21-21-21

IMPORTED 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

POLYAMİD DÜZ RAKOR

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.

(SİYAH) 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.

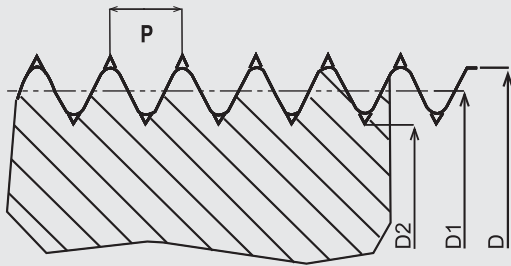
(BLACK) -50°C / +135°C

MSM Code	Size	Suitable Flexible 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

■ Similar products by Adaptflex are also available for ordering.

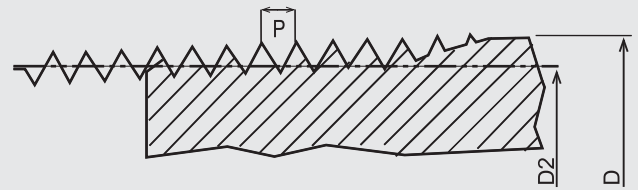
THREAD TYPE PROPERTIES

**GAS THREAD
(UNI ISO 228)**



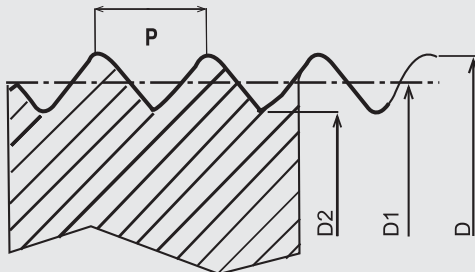
Thread Type	Thread Diameter D	Thread Axis D1	Thread Base D2	Thread Spacing P	Thread Number Z
G 1/4"	13,157	12,301	11,445	1,337	19
G 3/8"	16,662	15,806	14,950	1,337	19
G 1/2"	20,955	19,793	18,631	1,814	14
G 3/4"	26,441	25,279	24,117	1,814	14
G 1"	33,249	31,770	30,291	2,309	11
G 1 1/4"	41,910	40,431	38,952	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)**



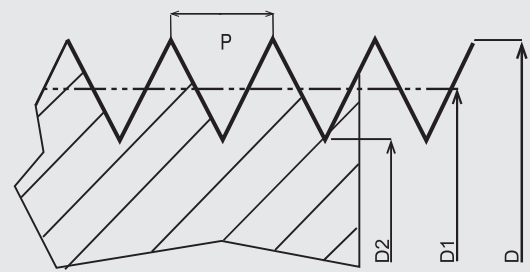
Thread Type	Thread Diameter D	Thread Base D2	Thread Spacing P	Thread Number Z
NPT 1/4"	13,716	12,7635	1,411	18
NPT 3/8"	17,145	16,1925	1,411	18
NPT 1/2"	21,336	20,1115	1,814	14
NPT 3/4"	26,670	25,4455	1,814	14
NPT 1"	33,401	31,9100	2,208	11,5
NPT 1 1/4"	42,164	40,6730	2,208	11,5
NPT 1 1/2"	47,800	---	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	Thread Axis D1	Thread Base D2	Thread Spacing P	Thread Number 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	Thread Axis D1	Thread Base D2	Thread Number Z
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

NOT: Sizes are given in mm. Section drawings are not to scale.
The sizes indicate male thread type.

CONVERSION TABLES

WEIGHT

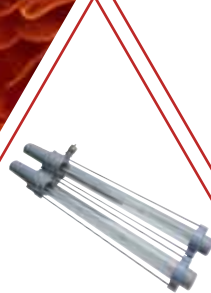
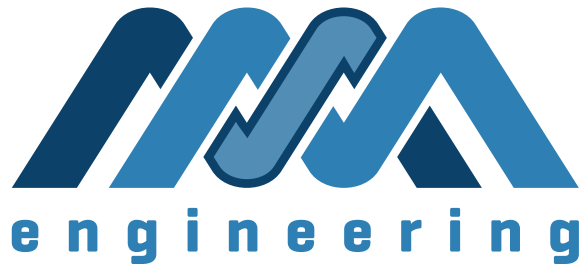
1 ons (oz)	= 437,5 grains	= 28,350 gr
1 pound (lb)	= 16 oz	= 0,4536 kg
1 stone	= 14 lb	= 6,35 kg
1 ton	= 2.240 lb	= 0,0161 t
1 gram (gr)	= 1,000 mg	= 0,0353 oz
1 kilogram (kg)	= 1.000 gr	= 2,2046 lb
1 ton	= 1.000 kg	= 0,9842 ton

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

LENGTH

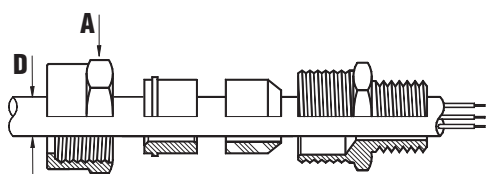
1 inch	= 0,027 yard	= 2.54
1 ft	= 12 inch	= 0.31 m
1 yard	= 3 ft	= 0.91 m
1 mil	= 5.280 ft	= 1.60 km
1 cm	= 0,032 ft	= 0.39 inch
1 m	= 36 inch	= 1.09 yard
1 km	= 1.760 yard	= 0.62 mil





EX-PROOF CABLE GLANDS FOR UNARMoured CABLE

GAS	II2G Ex d IIC /Ex e IIC	IP66/67	Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC	IP66/67	❄️ -20°C ÷ ☀️ +40°C	❄️ -40°C ÷ ☀️ +90°C

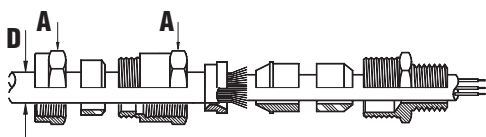


Code (GAS Thread)	Thread Size	Cable Diameter (D)		A (mm)	Weight (kg)	Shroud Code	Locknut Code	Grounding Ring Code
		Ø min	Ø max					
PNA 0D	1/2"	4	10	27	0,122	PGA 0	DL 1	PT 1
PNA 1D	1/2"	6	12	38	0,227	PGA 2	DL 1	PT 1
PNA 12D	3/4"	6	12	38	0,260	PGA 2	DL 2	PT 2
PNA 2D	3/4"	9	17	46	0,314	PGA 3	DL 2	PT 2
PNA 3D	1"	14	23	56	0,452	PGA 4	DL 3	PT 3
PNA 5AD	1 1/2"	19	29	67	0,820	PGA 5	DL 5	PT 5
PNA 5BD	1 1/2"	28	36	72	0,796	PGA 6	DL 5	PT 5
PNA 6D	2"	34	45	83	1,406	PGA 6	DL 6	PT 6
PNA 8D	3"	47	59	108	3,000	PGA 8	DL 8	PT 8

Code (Metric Thread)	Thread Size	Cable Diameter (D)		A (mm)	Weight (kg)	Shroud Code	Locknut Code	Grounding Ring Code
		Ø min	Ø max					
PNA 0M	M20	4	10	27	0,111	PGA 0	DL 1M	PT 1M
PNA 1M	M20	6	12	38	0,216	PGA 2	DL 1M	PT 1M
PNA 2M	M25	9	17	46	0,296	PGA 3	DL 2M	PT 2M
PNA 3M	M32	14	23	56	0,408	PGA 4	DL 3M	PT 3M
PNA 5AM	M40	19	29	67	0,668	PGA 5	DL 4M	PT 4M
PNA 5BM	M50	28	36	72	0,760	PGA 6	DL 5M	PT 5M
PNA 6M	M63	34	45	83	1,360	PGA 6	DL 6M	PT 6M

EX-PROOF CABLE GLANDS FOR ARMoured CABLE

GAS	II2G Ex d IIC /Ex e IIC	IP66/67	Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC	IP66/67	❄️ -20°C ÷ ☀️ +40°C	❄️ -40°C ÷ ☀️ +90°C

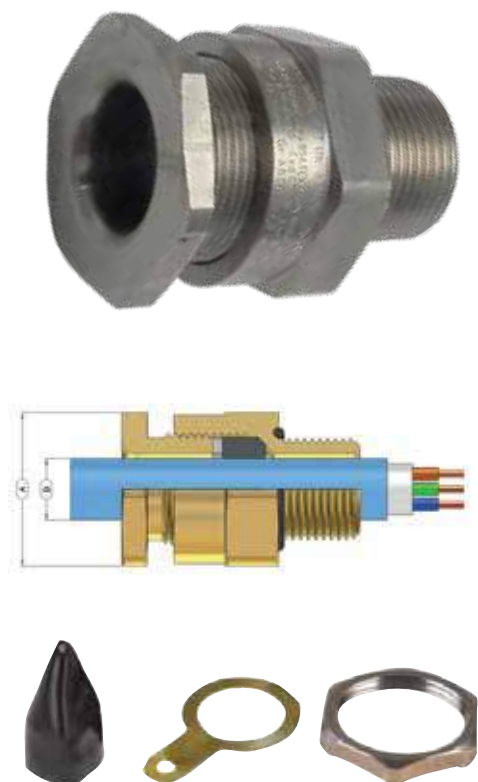


Code (GAS Thread)	Thread Size	Cable Diameter (D)		A (mm)	Weight (kg)	Shroud Code	Locknut Code	Grounding Ring Code
		Under armour Ø min.-max.	Outer Ø min.-max.					
PAP 0D	1/2"	4-10	7-15	27	0,162	PGA 0	DL 1	PT 1
PAP 1D	1/2"	6-12	10-21	38	0,328	PGA 2	DL 1	PT 1
PAP 2AD	3/4"	6-12	10-21	38	0,362	PGA 2	DL 2	PT 2
PAP 2BD	3/4"	9-17	16-27	46	0,460	PGA 3	DL 2	PT 2
PAP 3D	1"	14-23	19-33	56	0,658	PGA 4	DL 3	PT 3
PAP 5AD	1 1/2"	19-29	26-43	67	1,140	PGA 5	DL 5	PT 5
PAP 5BD	1 1/2"	28-36	32-47	72	1,114	PGA 6	DL 5	PT 5
PAP 6D	2"	34-45	38-58	83	1,832	PGA 6	DL 6	PT 6
PAP 8D	3"	47-59	48-70	108	4,100	PGA 8	DL 8	PT 8

Code (Metric Thread)	Thread Size	Cable Diameter (D)		A (mm)	Weight (kg)	Shroud Code	Locknut Code	Grounding Ring Code
		Under armour Ø min.-max.	Outer Ø min.-max.					
PAP 0MD	M20	4-10	7-15	27	0,150	PGA 0	DL 1M	PT 1M
PAP 1MD	M20	6-12	10-21	38	0,318	PGA 2	DL 1M	PT 1M
PAP 2BMD	M25	9-17	16-27	46	0,440	PGA 3	DL 2M	PT 2M
PAP 3MD	M32	14-23	19-33	56	0,614	PGA 4	DL 3M	PT 3M
PAP 5AMD	M40	19-29	26-43	67	0,994	PGA 5	DL 4M	PT 4M
PAP 5BMD	M50	28-36	32-47	72	1,100	PGA 6	DL 5M	PT 5M
PAP 6MD	M63	34-45	38-58	83	1,650	PGA 6	DL 6M	PT 6M

EX-PROOF CABLE GLANDS FOR UNARMoured CABLE

GAS	II2G Ex d IIC / Ex e IIC	IP66/68	Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tD A21	IP66/68	❄ -20°C ÷ ☀ +85°C	❄ -60°C ÷ ☀ +180°C



Code (NPT Thread)	Thread Size	Cable Diameter (D)		A (mm)	Weight (kg)	Shroud Code	Locknut Code	Grounding Ring Code
		Ø min	Ø max					
A2LF/NP/16/1/2"	1/2"	4	8,4	25,4	0,078	L24	ACBLN 1	ACBET 1
A2LF/NP/20S/1/2"	1/2"	7,2	11,7	25,4	0,101	L24	ACBLN 1	ACBET 1
A2LF/NP/20S/3/4"	3/4"	7,2	11,7	25,4	0,101	L24	ACBLN 2	ACBET 2
A2LF/NP/20/3/4"	3/4"	9,6	14	30,0	0,127	L30	ACBLN 2	ACBET 2
A2LF/NP/25/3/4"	3/4"	13,5	20	37,6	0,166	L38	ACBLN 2	ACBET 2
A2LF/NP/25/1"	1"	13,5	20	37,6	0,166	L38	ACBLN 3	ACBET 3
A2LF/NP/32/1"	1"	19,5	26,3	46,0	0,244	L46	ACBLN 3	ACBET 3
A2LF/NP/40/1 1/4"	1 1/4"	23	32,2	55,0	0,396	L55	ACBLN 4	ACBET 4
A2LF/NP/40/1 1/2"	1 1/2"	23	32,2	55,0	0,396	L55	ACBLN 5	ACBET 5
A2LF/NP/50S/1 1/2"	1 1/2"	28,2	38,2	65,0	0,558	L65	ACBLN 5	ACBET 5
A2LF/NP/50/2"	2"	32,2	44,1	65,0	0,438	L65	ACBLN 6	ACBET 6
A2LF/NP/63S/2"	2"	39,3	50,1	80,0	0,832	L80	ACBLN 6	ACBET 6
A2LF/NP/75S/3"	3"	52,3	62	90,0	0,924	L90	ACBLN 8	ACBET 8

Code (Metric Thread)	Thread Size	Cable Diameter (D)		A (mm)	Weight (kg)	Shroud Code	Locknut Code	Grounding Ring Code
		Ø min	Ø max					
A2LF/NP/16/M20	M20	4	8,4	25,4	0,078	L24	ACBLN 1M	ACBET 1M
A2LF/NP/20S/M20	M20	7,2	11,7	25,4	0,101	L24	ACBLN 1M	ACBET 1M
A2LF/NP/20/M20	M20	9,6	14	30,0	0,127	L30	ACBLN 1M	ACBET 1M
A2LF/NP/25/M25	M25	13,5	20	37,6	0,166	L38	ACBLN 2M	ACBET 2M
A2LF/NP/32/M32	M32	19,5	26,3	46,0	0,244	L46	ACBLN 3M	ACBET 3M
A2LF/NP/40/M40	M40	23	32,2	55,0	0,396	L55	ACBLN 4M	ACBET 4M
A2LF/NP/50S/M50	M50	28,2	38,2	65,0	0,558	L65	ACBLN 5M	ACBET 5M
A2LF/NP/50/M50	M50	32,2	44,1	65,0	0,438	L65	ACBLN 5M	ACBET 5M
A2LF/NP/63S/M63	M63	39,3	50,1	80,0	0,832	L80	ACBLN 6M	ACBET 6M
A2LF/NP/63/M63	M63	46,7	56	80,0	0,664	L80	ACBLN 6M	ACBET 6M
A2LF/NP/75S/M75	M75	52,3	62	90,0	0,924	L90	ACBLN 8M	ACBET 8M

EX-PROOF CABLE GLANDS FOR ARMoured CABLE

GAS	II2G Ex d IIC / Ex e IIC	IP66/68	Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tD A21	IP66/68	❄ -20°C ÷ ☀ +85°C	❄ -60°C ÷ ☀ +180°C

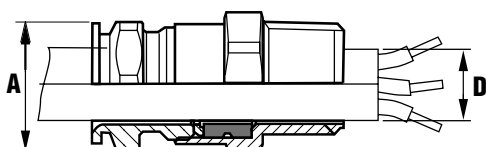


Code (NPT Thread)	Thread Size	Cable Diameter (D)		A (mm)	Weight (kg)	Shroud Code	Locknut Code	Grounding Ring Code
		Under armour Ø min.-max.	Outer Ø min.-max.					
E1WF/NP/16/1/2"	1/2"	4-8,4	8,4-13,5	24,0	0,139	L24	ACBLN 1	ACBET 1
E1WF/NP/20S/1/2"	1/2"	8-11,7	11,5-16	24,0	0,125	L24	ACBLN 1	ACBET 1
E1WF/NP/20/3/4"	3/4"	6,7-14	15,5-21,1	30,0	0,180	L30	ACBLN 2	ACBET 2
E1WF/NP/25/3/4"	3/4"	13-20	20,3-27,4	38,0	0,252	L38	ACBLN 2	ACBET 2
E1WF/NP/25/1"	1"	13-20	20,3-27,4	38,0	0,252	L38	ACBLN 3	ACBET 3
E1WF/NP/32/1"	1"	19-26,3	26,7-34	46,0	0,408	L46	ACBLN 3	ACBET 3
E1WF/NP/40/1 1/4"	1 1/4"	25-32,2	33-40,6	55,0	0,642	L55	ACBLN 4	ACBET 4
E1WF/NP/40/1 1/2"	1 1/2"	25-32,2	33-40,6	55,0	0,642	L55	ACBLN 5	ACBET 5
E1WF/NP/50S/1 1/2"	1 1/2"	31,5-38,2	39,4-46,7	65,0	0,947	L65	ACBLN 5	ACBET 5
E1WF/NP/50/2"	2"	36,5-44,1	45,7-53,2	65,0	0,716	L65	ACBLN 6	ACBET 6
E1WF/NP/63S/2"	2"	42,5-50,1	52,1-59,5	80,0	1,377	L80	ACBLN 6	ACBET 6

Code (Metric Thread)	Thread Size	Cable Diameter (D)		A (mm)	Weight (kg)	Shroud Code	Locknut Code	Grounding Ring Code
		Under armour Ø min.-max.	Outer Ø min.-max.					
E1WF/NP/16/M20	M20	4-8,4	8,4-13,5	24,0	0,139	L24	ACBLN 1M	ACBET 1M
E1WF/NP/20S/M20	M20	8-11,7	11,5-16	24,0	0,125	L24	ACBLN 1M	ACBET 1M
E1WF/NP/20/M20	M20	6,7-14	15,5-21,1	30,0	0,180	L30	ACBLN 1M	ACBET 1M
E1WF/NP/25/M25	M25	13-20	20,3-27,4	38,0	0,252	L38	ACBLN 2M	ACBET 2M
E1WF/NP/32/M32	M32	19-26,3	26,7-34	46,0	0,408	L46	ACBLN 3M	ACBET 3M
E1WF/NP/40/M40	M40	25-32,2	33-40,6	55,0	0,642	L55	ACBLN 4M	ACBET 4M
E1WF/NP/50S/M50	M50	31,5-38,2	39,4-46,7	65,0	0,947	L65	ACBLN 5M	ACBET 5M
E1WF/NP/50/M50	M50	36,5-44,1	45,7-53,2	65,0	0,716	L65	ACBLN 5M	ACBET 5M
E1WF/NP/63S/M63	M63	42,5-50,1	52,1-59,5	80,0	1,377	L80	ACBLN 6M	ACBET 6M
E1WF/NP/63/M63	M63	49,5-56	58,4-65,8	80,0	1,073	L80	ACBLN 6M	ACBET 6M
E1WF/NP/75S/M75	M75	54,5-62	64,8-72,2	90,0	1,661	L90	ACBLN 8M	ACBET 8M

EX-PROOF CABLE GLANDS FOR UNARMoured CABLE – ADE 1F TYPE

GAS	II2G Ex db eb IIC	IP66/68	Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC	IP66/68	 -60°C ÷  +80°C	 -60°C ÷  +140°C

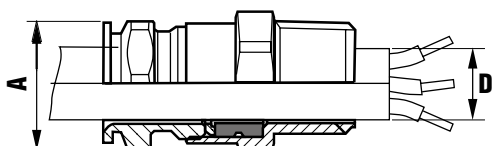


Code (NPT Thread)	Thread Size	Cable Diameter (D)		A (mm)	Shroud Type	Shroud Code
		Ø min	Ø max			
CAP 808 674V1	1/2"	4,5	8,5	24	ADE 4	CAP 506040
CAP 808 694V1	1/2"	7	12	24	ADE 5	CAP 506050
CAP 808 604V1	1/2"	10	15,5	24	ADE 6	CAP 506060
CAP 808 774V1	3/4"	7	12	30	ADE 5	CAP 506050
CAP 808 794V1	3/4"	10	16	30	ADE 6	CAP 506060
CAP 808 804V1	1"	18	26	41	ADE 8	CAP 506080
CAP 808 904V1	1 1/4"	23	34	48	ADE 9	CAP 506090
CAP 809 004V1	1 1/2"	29	41	55	ADE 10	CAP 506100
CAP 809 204V1	2"	42	53	72	ADE 12	CAP 506120

Code (Metric Thread)	Thread Size	Cable Diameter (D)		A (mm)	Shroud Type	Shroud Code
		Ø min	Ø max			
CAP 806 594V1	M16	4,5	8,5	19	ADE 4	CAP 506040
CAP 806 674V1	M20	4,5	8,5	24	ADE 4	CAP 506040
CAP 806 694V1	M20	7	12	24	ADE 5	CAP 506050
CAP 806 604V1	M20	10	16	24	ADE 6	CAP 506060
CAP 806 774V1	M25	7	12	30	ADE 5	CAP 506050
CAP 806 794V1	M25	10	16	30	ADE 6	CAP 506060
CAP 806 704V1	M25	13,5	20,5	30	ADE 7	CAP 506070
CAP 806 804V1	M32	18	27,5	41	ADE 8	CAP 506080
CAP 806 904V1	M40	23	34	48	ADE 9	CAP 506090
CAP 807 004V1	M50	29	41	55	ADE 10	CAP 506100

EX-PROOF CABLE GLANDS FOR ARMoured CABLE – ADE 4F TYPE

GAS	II2G Ex db eb IIC	IP66/68	Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC	IP66/68	 -60°C ÷  +80°C	 -60°C ÷  +140°C



Code (NPT Thread)	Thread Size	Cable Diameter (D)		A (mm)	Shroud Type	Shroud Code
		Ø min	Ø max			
CAP 848 674V1	1/2"	4,5-8,5	7-12	19	ADE 5	CAP 506050
CAP 848 694V1	1/2"	7-12	10-16	24	ADE 6	CAP 506060
CAP 848 604V1	1/2"	10-16	13,5-21	30	ADE 7	CAP 506070
CAP 848 774V1	3/4"	7-12	10-16	24	ADE 6	CAP 506060
CAP 848 794V1	3/4"	10-16	13,5-21	30	ADE 7	CAP 506070
CAP 848 704V1	3/4"	13,5-21	18-27,5	41	ADE 8	CAP 506080
CAP 848 894V1	1"	13,5-21	18-27,5	41	ADE 8	CAP 506080
CAP 848 904V1	1 1/4"	23-34	29-41	55	ADE 10	CAP 506100
CAP 848 094V1	1 1/2"	23-34	29-41	55	ADE 10	CAP 506100
CAP 848 294V1	2"	35-48	42-56	72	ADE 12	CAP 506120

Code (Metric Thread)	Thread Size	Cable Diameter (D)		A (mm)	Shroud Type	Shroud Code
		Ø min	Ø max			
CAP 846 504V1	M16	7-12	10-16	19	ADE 6	CAP 506060
CAP 846 674V1	M20	4,5-8,5	7-12	19	ADE 5	CAP 506050
CAP 846 694V1	M20	7-12	10-16	24	ADE 6	CAP 506060
CAP 846 604V1	M20	10-16	13,5-21	30	ADE 7	CAP 506070
CAP 846 774V1	M25	7-12	10-16	24	ADE 6	CAP 506060
CAP 846 794V1	M25	10-16	13,5-21	30	ADE 7	CAP 506070
CAP 846 704V1	M25	13,5-21	18-27,5	41	ADE 8	CAP 506080
CAP 846 894V1	M32	13,5-21	18-27,5	41	ADE 8	CAP 506080
CAP 846 994V1	M40	18-27,5	23-34	48	ADE 9	CAP 506090
CAP 847 094V1	M50	23-34	29-41	55	ADE 10	CAP 506100
CAP 847 294V1	M63	35-48	42-56	72	ADE 12	CAP 506120

EX-PROOF REDUCERS

GAS	II2G Ex d IIC / Ex e II	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tD A21	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -50°C ÷ ☀️ +80°C

EX-PROOF REDUCER



Code	Male Size	Female Size
AR1BF/M25/M20	M25x1,5mm	M20x1,5mm
AR1BF/M32/M20	M32x1,5mm	M20x1,5mm
AR1BF/M32/M25	M32x1,5mm	M25x1,5mm
AR1BF/M40/M20	M40x1,5mm	M20x1,5mm
AR1BF/M40/M25	M40x1,5mm	M25x1,5mm
AR1BF/M40/M32	M40x1,5mm	M32x1,5mm
AR1BF/M50/M25	M50x1,5mm	M25x1,5mm
AR1BF/M50/M32	M50x1,5mm	M32x1,5mm
AR1BF/M50/M40	M50x1,5mm	M40x1,5mm
AR1BF/M63/M32	M63x1,5mm	M32x1,5mm
AR1BF/M63/M40	M63x1,5mm	M40x1,5mm
AR1BF/M63/M50	M63x1,5mm	M50x1,5mm
AR1BF/M75/M40	M75x1,5mm	M40x1,5mm
AR1BF/M75/M50	M75x1,5mm	M50x1,5mm
AR1BF/M75/M63	M75x1,5mm	M63x1,5mm
AR1BF/M20/ 1/2"	M20x1,5mm	1/2"
AR1BF/M25/ 3/4"	M25x1,5mm	3/4"

EX-PROOF REDUCER

CAPRI



Code	Male Size	Female Size
CAP 740 544	M20x1,5mm	M25x1,5mm
CAP 740 034	M25x1,5mm	M16x1,5mm
CAP 740 294	M25x1,5mm	M20x1,5mm
CAP 740 304	M32x1,5mm	M20x1,5mm
CAP 740 564	M32x1,5mm	M25x1,5mm
CAP 740 314	M40x1,5mm	M20x1,5mm
CAP 740 574	M40x1,5mm	M25x1,5mm
CAP 740 834	M40x1,5mm	M32x1,5mm
CAP 740 584	M50x1,5mm	M25x1,5mm
CAP 740 844	M50x1,5mm	M32x1,5mm
CAP 741 104	M50x1,5mm	M40x1,5mm
CAP 740 854	M63x1,5mm	M32x1,5mm
CAP 741 114	M63x1,5mm	M40x1,5mm
CAP 741 374	M63x1,5mm	M50x1,5mm
CAP 741 124	M75x1,5mm	M40x1,5mm
CAP 741 384	M75x1,5mm	M50x1,5mm
CAP 741 644	M75x1,5mm	M63x1,5mm

EX-PROOF REDUCER

CO.SI.ME.
EQUIPMENT FOR ATEX

Code	Male Size	Female Size
RE-20.16	M20x1,5mm	M16x1,5mm
RE-25.16	M25x1,5mm	M16x1,5mm
RE-25.20	M25x1,5mm	M20x1,5mm
RE-32.20	M32x1,5mm	M20x1,5mm
RE-32.25	M32x1,5mm	M25x1,5mm
RE-40.20	M40x1,5mm	M20x1,5mm
RE-40.25	M40x1,5mm	M25x1,5mm
RE-40.32	M40x1,5mm	M32x1,5mm
RE-50.25	M50x1,5mm	M25x1,5mm
RE-50.32	M50x1,5mm	M32x1,5mm
RE-50.40	M50x1,5mm	M40x1,5mm
RE-63.32	M63x1,5mm	M32x1,5mm
RE-63.40	M63x1,5mm	M40x1,5mm
RE-63.50	M63x1,5mm	M50x1,5mm
RE-75.40	M75x1,5mm	M40x1,5mm
RE-75.50	M75x1,5mm	M50x1,5mm
RE-75.63	M75x1,5mm	M63x1,5mm

EX-PROOF REDUCER

CO.SI.ME.
EQUIPMENT FOR ATEX

Code	Male Size	Female Size
RE-21	3/4"	1/2"
RE-31	1"	1/2"
RE-32	1"	3/4"
RE-51	1 1/2"	1/2"
RE-52	1 1/2"	3/4"
RE-53	1 1/2"	1"
RE-61	2"	1/2"
RE-62	2"	3/4"
RE-63	2"	1"

EX-PROOF REDUCER

CO.SI.ME.
EQUIPMENT FOR ATEX

Code	Female Size	Male Size
REB-21	3/4"	1/2"
REB-31	1"	1/2"
REB-32	1"	3/4"
REB-51	1 1/2"	1/2"
REB-52	1 1/2"	3/4"
REB-53	1 1/2"	1"
REB-61	2"	1/2"
REB-62	2"	3/4"
REB-63	2"	1"

EX-PROOF REDUCER

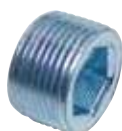
CO.SI.ME.
EQUIPMENT FOR ATEX

Code	Female Size	Female Size
REM-21	3/4"	1/2"
REM-31	1"	1/2"
REM-32	1"	3/4"
REM-51	1 1/2"	1/2"
REM-52	1 1/2"	3/4"
REM-53	1 1/2"	1"
REM-61	2"	1/2"
REM-62	2"	3/4"
REM-63	2"	1"

EX-PROOF BLIND PLUGS

GAS	II2G Ex d IIC / Ex e II	IP66&IP68	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tD A21	IP66&IP68	❄️ -20°C ÷ ☀️ +40°C	❄️ -50°C ÷ ☀️ +80°C

EX-PROOF BLIND PLUG

CO.SI.ME.
EQUIPMENT FOR ATEX

Code	Thread Size
PLG-1	1/2"
PLG-2	3/4"
PLG-3	1"
PLG-4	1 1/4"
PLG-5	1 1/2"
PLG-6	2"

EX-PROOF BLIND PLUG



Code	Thread Size
SPMH1BF / M20	M20x1,5
SPMH1BF / M25	M25x1,5
SPMH1BF / M32	M32x1,5
SPMH1BF / M40	M40x1,5
SPMH1BF / M50	M50x1,5
SPMH1BF / M63	M63x1,5

EX-PROOF BLIND PLUG

CAPRI



Code	Thread Size
CAP 190124	M12x1,5
CAP 190164	M16x1,5
CAP 190204	M20x1,5
CAP 190254	M25x1,5
CAP 190324	M32x1,5
CAP 190404	M40x1,5

EX-PROOF CABLE MOUNTING FITTINGS

GAS	II2G Ex d IIC / Ex e II	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex td A21	IP66	20°C ÷ +40°C	-50°C ÷ +80°C

EX-PROOF ELBOW 90° (FEMALE-FEMALE THREAD)

CO.SI.ME.
EQUIPMENT FOR ATEX

Code	Thread Size
ELF-1	1/2"
ELF-2	3/4"
ELF-3	1"
ELF-5	1 1/2"
ELF-6	2"

EX-PROOF COUPLING (FEMALE-FEMALE THREAD)

CO.SI.ME.
EQUIPMENT FOR ATEX

Code	Thread Size
EMU-1	1/2"
EMU-2	3/4"
EMU-3	1"
EMU-5	1 1/2"
EMU-6	2"

EX-PROOF NIPPLE (MALE-MALE THREAD)

CO.SI.ME.
EQUIPMENT FOR ATEX

Code	Thread Size
NP-1	1/2"
NP-2	3/4"
NP-3	1"
NP-5	1 1/2"
NP-6	2"

EX-PROOF POLYAMIDE BLIND PLUG



Code	Thread Size
SPMHN / M20	1/2"
SPMHN / M25	3/4"
SPMHN / M32	1"
SPMHN / M40	1 1/2"
SPMHN / M50	2"

EX-PROOF POLYAMIDE CABLE GLAND

CEAG



Code	Thread Size	Sıkma Aralığı (mm)
GHG 960 1955 R0022	M16x1,5	5,5-10
GHG 960 1955 R0023	M20x1,5	5,5-13
GHG 960 1955 R0024	M25x1,5	8,0-17
GHG 960 1955 R0025	M32x1,5	12-21
GHG 960 1955 R0026	M40x1,5	17-28
GHG 960 1955 R0027	M50x1,5	22-35
GHG 960 1955 R0028	M63x1,5	27-48

EX-PROOF POLYAMIDE CABLE GLAND

WARDOM



Code	Thread Size	Sıkma Aralığı (mm)
DQM-I-16	M16x1,5	5,0-8,0
DQM-I-20	M20x1,5	6,0-12
DQM-I-25	M25x1,5	12-16
DQM-I-32	M32x1,5	10-18
DQM-I-40	M40x1,5	17-25
DQM-I-50	M50x1,5	23-32
DQM-I-63	M63x1,5	32-44

EX-PROOF PORTABLE LAMPS AND TORCHES

EX-PROOF PORTABLE LAMP

IP66

CO.SI.ME.
EQUIPMENT FOR ATEX

EVP 50

Aluminum body
Metal handle
Hanging hook
Protection grid, E27 base
25 W, 40 W, 60 W
230V-50 Hz, cable entry 3/4"
Sizes: Ø128x420 mm

EX-PROOF PORTABLE LAMP

IP65

WARDOM



BSX 60

Aluminum body
Black plastic handle
Hanging hook
White protection grid, E27 base
25 W, 40 W, 60 W
230V-50 Hz, cable entry M25x1,5
Sizes: Ø138x433 mm

EX-PROOF TORCHES

WARDOM



CEAG



- STABEX EUROPLUS comes with a charger.
- EUROPLUS charging time is 16-24 hours, working time is 4-5 hours.

Code	Lamp Power /Voltage	Internal Thread	Model	IP	Sizes (mm) Diameter x Length	Weight (kg)
HRD305	14,8V / 9W	LED	A torch with a charger	IP 68	Ø62x179	0,79
STABEX HF	2,3V / 0,36A	Xenon	A torch with 2 batteries	IP 66	Ø34x154	0,09
STABEX EUROPLUS	1W Power Led	LED	A torch with 3 batteries	IP 66	Ø34x208	0,12
STABEX MINI II	2,8V / 0,5A	Halogen	A torch with 2 batteries	IP 65	Ø60x220	0,25
STABEX MINI Led	4V / 0,82A	Halogen	A torch with a charger	IP 65	Ø126x196	1,00

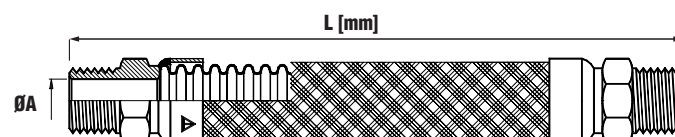
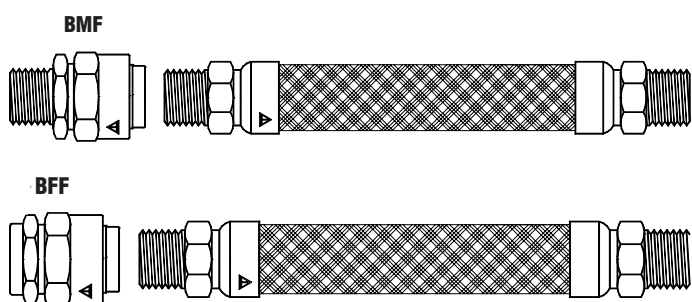
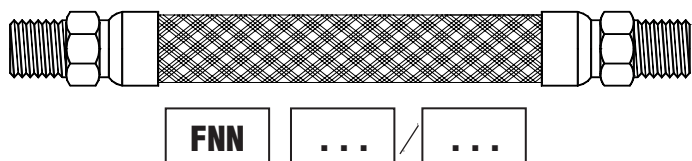
FNN TYPE FLEXIBLE CONDUITS

GAS	IIG Ex d IIC / Ex e II	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	IIG Ex tb IIC	IP66	❄ -20°C ÷ ☀ +40°C	❄ -50°C ÷ ☀ +80°C

Material Flexible conduit : Stainless steel AISI 304
Union : Stainless steel

Area of Usage Suitable for use in all kinds of explosion-proof facilities and high-vibration environments, used to connect pipes to the equipment.

* Produced in any required size. Has fixed fittings with male thread on both ends.
Rotating unions of type BMF (male – female thread) or BFF (female – female thread) mounted upon request.



25 cm Code	50 cm Code	100 cm Code	Thread Size	Inner Diameter ØA (mm)
FNN 1/25	FNN 1/50	FNN 1/100	1/2"	14
FNN 2/25	FNN 2/50	FNN 2/100	3/4"	19
FNN 3/25	FNN 3/50	FNN 3/100	1"	25
FNN 4/25	FNN 4/50	FNN 4/100	1 1/4"	32
FNN 5/25	FNN 5/50	FNN 5/100	1 1/2"	38
FNN 6/25	FNN 6/50	FNN 6/100	2"	48
FNN 7/25	FNN 7/50	FNN 7/100	2 1/2"	65
FNN 8/25	FNN 8/50	FNN 8/100	3"	70
FNN 9/25	FNN 9/50	FNN 9/100	4"	92

FNN TYPE UNIONS

GAS	IIG Ex d IIB / Ex d IIC	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	IIG Ex tb IIC	IP66	❄ -20°C ÷ ☀ +40°C	❄ -50°C ÷ ☀ +80°C

Material Stainless steel

Area of Usage Suitable for use in all kinds of explosion-proof facilities, used to terminate pipes and flexible conduits, for stopping boxes entries and to convert fixed thread into swivel thread.

* The standard class of products is IIB, IIC-marked products are available upon request.



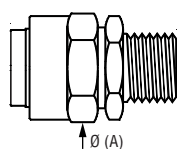
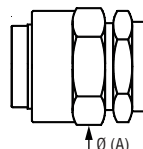
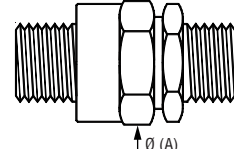
BMF Type



BFF Type



BMM Type

BMF Type
(Female-Male Thread)BFF
(Female-Female Thread)BMM
(Male-Male Thread)

IIB Code	IIC Code	Thread Size	Ø (A) (mm)	IIB Weight	IIC Weight
BMF-1	BMF-1H	1/2"	35	0,146	0,234
BMF-2	BMF-2H	3/4"	42	0,200	0,248
BMF-3	BMF-3H	1"	52	0,352	0,428
BMF-5	BMF-5H	1 1/2"	70	0,726	0,875
BMF-6	BMF-6H	2"	84	0,994	1,100
BMF-8	BMF-8H	3"	132	2,300	-
BMF-9	BMF-9H	4"	140	2,600	-

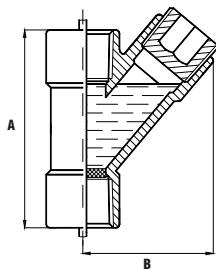
IIB Code	IIC Code	Thread Size	Ø (A) (mm)	IIB Weight	IIC Weight
BFF-1	BFF-1H	1/2"	35	0,126	0,170
BFF-2	BFF-2H	3/4"	42	0,166	0,300
BFF-3	BFF-3H	1"	52	0,238	0,368
BFF-5	BFF-5H	1 1/2"	70	0,620	0,790
BFF-6	BFF-6H	2"	84	0,876	0,978
BFF-8	BFF-8H	3"	132	2,800	-
BFF-9	BFF-9H	4"	140	-	-

IIB Code	IIC Code	Thread Size	Ø (A) (mm)	IIB Weight	IIC Weight
BMM-1	BMM-1H	1/2"	35	0,170	0,234
BMM-2	BMM-2H	3/4"	42	0,236	0,248
BMM-3	BMM-3H	1"	52	0,460	0,428
BMM-5	BMM-5H	1 1/2"	70	0,884	0,875
BMM-6	BMM-6H	2"	84	1,150	1,100
BMM-8	BMM-8H	3"	132	3,200	-
BMM-9	BMM-9H	4"	140	-	-

EX-PROOF CONDUIT SEALING FITTINGS AND SEALING COMPOUND

GAS	II2G Ex d IIB / Ex d IIC	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex td A21	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -40°C ÷ ☀️ +80°C

EX-PROOF CONDUIT SEALING FITTINGS - VERTICAL MOUNTING

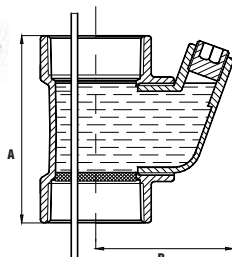


Material
Area of Usage

Light aluminum alloy.
Used for vertical mounting of ex-proof pipelines.
Comes with a blind plug of PLG series.

Code	Thread Size	A (mm)	B (mm)	MCK (kg)	Weight (kg)
EYS-1	1/2"	80	47	0,025	0,118
EYS-2	3/4"	90	56	0,050	0,180
EYS-3	1"	108	69	0,080	0,294

EX-PROOF CONDUIT SEALING FITTINGS - HORIZONTAL MOUNTING



Material
Area of Usage

Light aluminum alloy.
Used for horizontal mounting of ex-proof pipelines.
Comes with a blind plug of PLG series.

Code	Thread Size	A (mm)	B (mm)	MCK (kg)	Weight (kg)
EZS-1	1/2"	112	67	0,110	0,322
EZS-2	3/4"	112	69	0,125	0,344
EZS-3	1"	118	75	0,180	0,342
EZS-5	1 1/2"	118	83	0,300	0,424
EZS-6	2"	127	85	0,450	0,516
EZS-8	3"	174	98	1,100	1,276
EZS-9	4"	270	126	2,800	2,500

SEALING COMPOUND AND FIBER



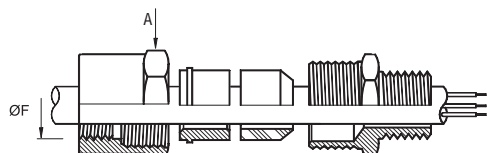
Components
Area of Usage

Resin, hardener and fiber.
Consists of 3 components. Used to seal stopping boxes after cable pulling and control.
For the detailed preparation instructions go to page 34.

Code	Weight (kg)
MCK 1000	1

EX-PROOF CABLE GLAND FOR UNAMOURED CABLE / CONDUIT ENTRY TYPE

GAS	II2G Ex d IIC / Ex e IIC	IP66/67	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIC	IP66/67	❄️ -20°C ÷ ☀️ +40°C	❄️ -40°C ÷ ☀️ +90°C



Code (GAS Thread)	Thread Size	Cable Dia. (mm)		A (mm)	F Size	Weight (kg)	Locknut Code	Grounding Ring Code
		Ø min	Ø max					
PNA 1FD	1/2"	6	12	38	1/2"	0,260	DL 1	PT 1
PNA 12FD	3/4"	6	12	38	3/4"	0,280	DL 2	PT 2
PNA 2FD	3/4"	9	17	46	3/4"	0,364	DL 2	PT 2
PNA 3FD	1"	14	23	56	1"	0,558	DL 3	PT 3
PNA 5AFD	1 1/2"	19	29	67	1 1/2"	0,890	DL 5	PT 5
PNA 5BFD	1 1/2"	28	36	72	1 1/2"	0,954	DL 5	PT 5
PNA 6FD	2"	34	45	83	2"	1,490	DL 6	PT 6
PNA 8FD	3"	47	59	108	3"	3,000	DL 8	PT 8

Code (Metric Thread)	Thread Size	Cable Dia. (mm)		A (mm)	F Size	Weight (kg)	Locknut Code	Grounding Ring Code
		Ø min	Ø max					
PNA 1FMD	M20	6	12	38	1/2"	0,200	DL 1M	PT 1M
PNA 2FMD	M25	9	17	46	3/4"	0,256	DL 2M	PT 2M
PNA 3FMD	M32	14	23	56	1"	0,390	DL 3M	PT 3M
PNA 5AFMD	M40	19	29	67	1 1/2"	0,524	DL 4M	PT 4M
PNA 5BFMD	M50	28	36	72	1 1/2"	0,810	DL 5M	PT 5M
PNA 6FMD	M63	34	45	83	2"	0,994	DL 6M	PT 6M

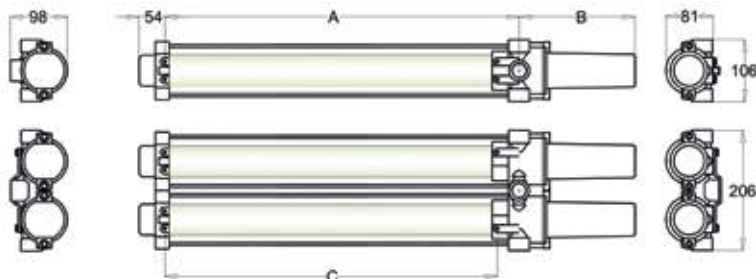
EX-PROOF FLUORESCENT LIGHTING FIXTURES / ALUMINUM BODY

GAS	II2G Ex d IIC T6 ÷ T4 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIC T80 ÷ T130°C Db	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +60°C

CO.SI.ME.
EQUIPMENT FOR ATEX

Description

Cast aluminum enclosure, **magnetic ballast**, 230V, 50 Hz, cable entries 2x3/4, ceiling-mounted, G13 base, heat-resistant Pyrex glass. Cable glands and blind plugs are to be purchased separately.



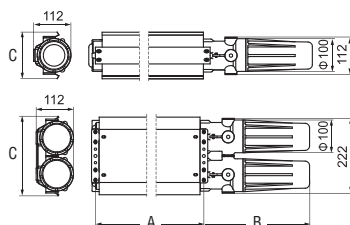
Code	A (mm)	B (mm)	C (mm)	Lamp Power
EVFC 118R	610	205	573	1x18/20W
EVFC 218R	610	205	573	2x18/20W
EVFC 136R	1210	205	1173	1x36/40W
EVFC 236R	1210	205	1173	2x36/40W
EVFC 158R	1510	260	1473	1x58/65W
EVFC 258R	1510	260	1473	2x58/65W

GAS	II2G Ex d IIC T6 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIC T80 Db	IP66	❄️ -20°C ÷ ☀️ +55°C	❄️ -20°C ÷ ☀️ +60°C

WARDA

Description

Cast aluminum enclosure, **electronic ballast**, 100-300V AC, 50-60 Hz, cable entries 2x3/4, ceiling-mounted, G13 base, heat-resistant Pyrex glass. Comes with a blind plug. A cable gland is to be purchased separately.



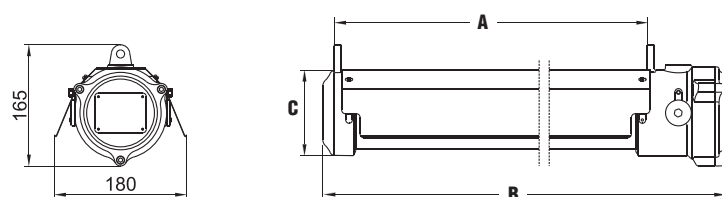
Code	A (mm)	B (mm)	C (mm)	Lamp Power
BAY51-18x1X	584	350	140	1x18/20W
BAY51-18x2X	584	350	250	2x18/20W
BAY51-36x1X	1190	350	140	1x36/40W
BAY51-36x2X	1190	350	250	2x36/40W
BAY51-58x1X	1492	350	140	1x58/65W
BAY51-58x2X	1492	350	250	2x58/65W

GAS	II2G Ex db IIB + H2 T6 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIC T80 Db	IP66	❄️ -20°C ÷ ☀️ +55°C	❄️ -60°C ÷ ☀️ +55°C

WARDA

Description

Cast aluminum enclosure, **electronic ballast**, 220-240V AC, 50-60 Hz, cable entries 2x3/4, ceiling-mounted, G13 base, heat-resistant Pyrex glass. Comes with a blind plug. A cable gland is to be purchased separately.



Code	A (mm)	B (mm)	C (mm)	Lamp Power
BAY51-D-18x2X	636	755	116	2x18/20W
BAY51-D-36x2X	1246	1365	116	2x36/40W
BAY51-D-58x2X	1546	1665	116	2x58/65W

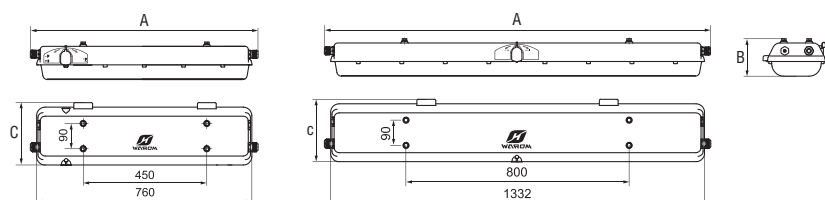
EX-PROOF FLUORESCENT LIGHTING FIXTURES / POLYESTER BODY

GAS	II2G Ex d e q IIC T4 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex t IIC T80°C Db	IP66	❄️ -20°C ÷ ☀️ +55°C	❄️ -25°C ÷ ☀️ +60°C



Description

Polyester enclosure, **electronic ballast**, 96-254V AC, 50-60 Hz, ceiling-mounted, G13 base, cable entries 4xM25x1,5. Comes with 2 cable glands and 2 blind plugs. Transparent polyester bowl, reflector. The bowl is hinged to the enclosure by means of hinge fasteners on both sides. Has a safety switch.



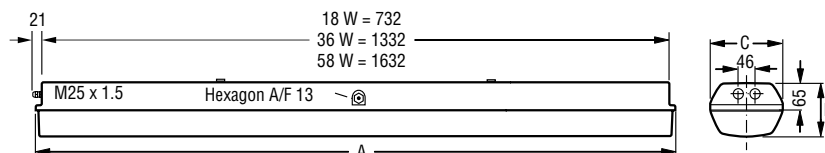
Code	A (mm)	B (mm)	C (mm)	Lamp Power
BAY51-Q18x1X	808	134	222	1x18/20W
BAY51-Q18x2X	808	134	222	2x18/20W
BAY51-Q36x1X	1380	134	222	1x36/40W
BAY51-Q36x2X	1380	134	222	2x36/40W

GAS	II2G Ex de IIC T4 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex td A21 T80°C Db	IP66	❄️ -25°C ÷ ☀️ +55°C	❄️ -25°C ÷ ☀️ +60°C



Description

Polyester body, **electronic ballast**, 110-254V AC, 50-60 Hz, ceiling-mounted, G13 base, cable entries 4xM25x1,5. Comes with 2 cable glands and 2 blind plugs. Transparent polyester bowl, reflector. The bowl is hinged to the enclosure by means of hinge fasteners on both sides. Has a safety switch.



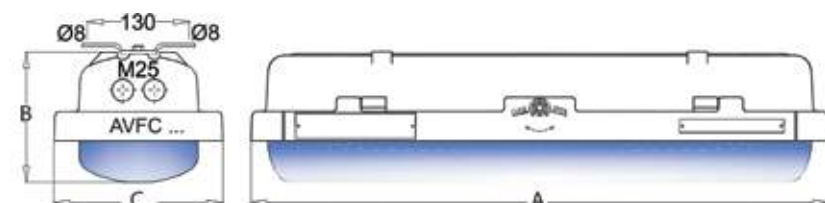
Code	A (mm)	B (mm)	C (mm)	Lamp Power
eLLK 92018/18	760	130	188	2x18/20W
eLLK 92036/36	1360	130	188	2x36/40W
eLLK 92058/58	1660	130	188	2x58/65W

GAS	II2G Ex de IIC T5 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIC T70°C Db	IP66	❄️ -25°C ÷ ☀️ +40°C	❄️ -25°C ÷ ☀️ +60°C



Description

Polyester body, electronic ballast, 230V AC, 50-60 Hz, ceiling-mounted, G13 base, cable entries 4xM25x1,5. Comes with 2 cable glands and 2 blind plugs. Transparent polyester bowl, reflector. The bowl is hinged to the enclosure by means of hinge fasteners on both sides. Has a safety switch.



Code	A (mm)	B (mm)	C (mm)	Lamp Power
AVFC 118	732	162	215	1x18/20W
AVFC 218	732	162	215	2x18/20W
AVFC 136	1342	162	215	1x36/40W
AVFC 236	1342	162	215	2x36/40W

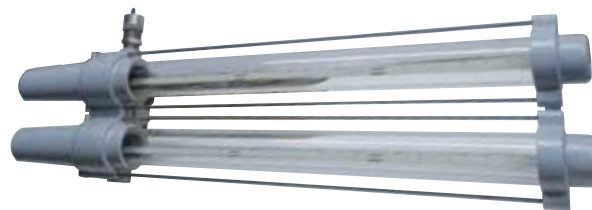
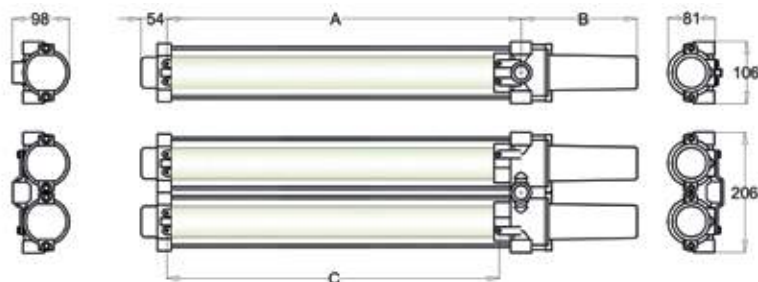
EX-PROOF FLUORESCENT LIGHTING FIXTURES / LED TYPE

GAS	II2G Ex d IIC T6 ÷ T4 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T80 ÷ T130°C Db	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +60°C

CO.SI.ME.
EQUIPMENT FOR ATEX

Description

Cast aluminum enclosure,
230V, 50 Hz, ceiling-mounted, cable entries 2x3/4,
G13 base, heat-resistant Pyrex glass.
Works with LED lamps.
Cable glands and blind plugs are to be purchased separately.



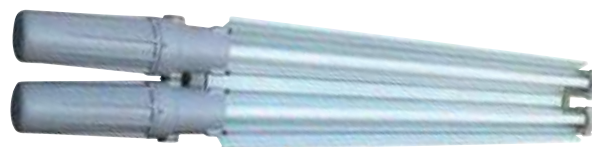
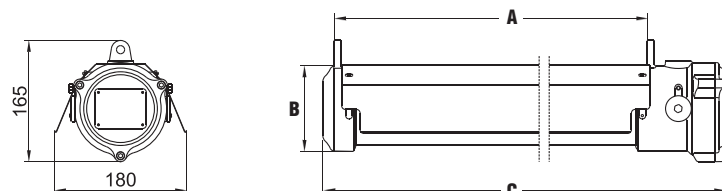
Code	A (mm)	B (mm)	C (mm)	Lamp Power
EVFC 1118RUNLT	610	205	573	10W
EVFC 21118RUNLT	610	205	573	2x10W
EVFC 1936RUNLT	1210	205	1173	19W
EVFC 21936RUNLT	1210	205	1173	2x19W
EVFC 2458RUNLT	1510	205	1473	24W
EVFC 22458RUNLT	1510	205	1473	2x24W

GAS	II2G Ex db IIB + H2 T6 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T80 Db	IP66	❄️ -20°C ÷ ☀️ +55°C	❄️ -60°C ÷ ☀️ +55°C

WARDA

Description

Cast aluminum enclosure,
110-265V AC, 50-60 Hz, ceiling-mounted, cable entries 2x3/4,
G13 base, heat-resistant Pyrex glass. Comes with a blind plug.
A cable gland is to be purchased separately.



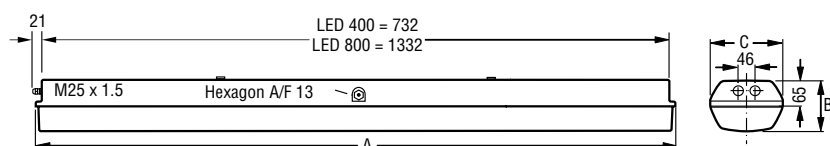
Code	A (mm)	B (mm)	C (mm)	Lamp Power
BAY51-D-LED 9x2X	636	116	755	2x9W
BAY51-D-LED 18x2X	1246	116	1365	2x18W
BAY51-D-LED 28x2X	1546	116	1665	2x28W

GAS	II2G Ex de mb IIC T4 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T80°C Db	IP66	❄️ -25°C ÷ ☀️ +45°C	❄️ -25°C ÷ ☀️ +60°C

CEAG

Description

Polyester enclosure,
110-254V AC, 50-60 Hz, ceiling-mounted,
G13 base, cable entries 4xM25x1,5.
Comes with 2 cable glands and 2 blind plugs.
Transparent polyester bowl, reflector. The bowl is hinged to the enclosure by means of hinge fasteners on both sides.
Has a safety switch.



Code	A (mm)	B (mm)	C (mm)	Lamp Power
eLLK 92 LED 400	760	130	188	2x13W
eLLK 92 LED 800	1360	130	188	2x26W

EX-PROOF FLUORESCENT LIGHTING FIXTURES / EMERGENCY TYPE

GAS	II2G Ex d IIC T6 ÷ T4 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIC T80 ÷ T130°C Db	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +60°C



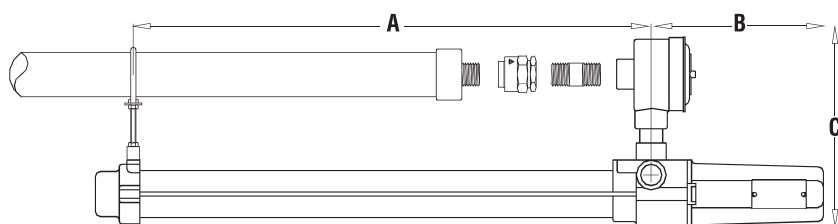
Description

Cast aluminum enclosure, **magnetic ballast**, 230V, 50 Hz, ceiling-mounted, cable entries 2x3/4, G13 base, heat-resistant Pyrex glass.

Emergency lighting time: 18 W 120 min., 36 W 90 min., 58 W 60 min.

Charging time: 24 hours.

Cable glands and blind plugs are to be purchased separately.



Code	A (mm)	B (mm)	C (mm)	Lamp Power
EVFC 118R	610	205	245	1x18/20W
EVFC 218R	610	205	245	2x18/20W
EVFC 136R	1210	205	245	1x36/40W
EVFC 236R	1210	205	245	2x36/40W
EVFC 158R	1510	260	245	1x58/65W
EVFC 258R	1510	260	245	2x58/65W

GAS	II2G Ex d e q IIC T4 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex t IIC T80°C Db	IP66	❄️ -20°C ÷ ☀️ +55°C	❄️ -25°C ÷ ☀️ +60°C



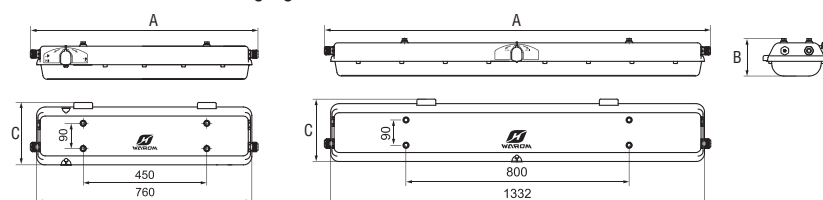
Description

Polyester enclosure, **electronic ballast**, 96-254V AC, 50-60 Hz, ceiling-mounted, cable entries 4xM25x1,5, G13 base. Comes with 2 cable glands and 2 blind plugs. Transparent polyester bowl, reflector.

The bowl is hinged to the enclosure by means of hinge fasteners on both sides. Has a safety switch.

Emergency lighting time: 18 W 120 min., 36 W 120 min.

Charging time: 24 hours.



Code	A (mm)	B (mm)	C (mm)	Lamp Power
BAY51-Q18x1XJ	808	134	222	1x18/20W
BAY51-Q18x2XJ	808	134	222	2x18/20W
BAY51-Q36x1XJ	1380	134	222	1x36/40W
BAY51-Q36x2XJ	1380	134	222	2x36/40W

GAS	II2G Ex de mb ib IIC T4 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tD A21 T80°C Db	IP66	❄️ -25°C ÷ ☀️ +50°C	❄️ -25°C ÷ ☀️ +60°C



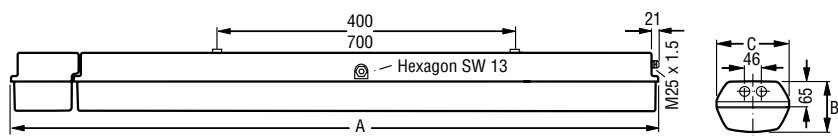
Description

Polyester enclosure, 220-254V AC, 50-60 Hz, ceiling-mounted, cable entries 4xM25x1,5, G13 base. Comes with 2 cable glands and 2 blind plugs. Transparent polyester bowl, reflector.

The bowl is hinged to the enclosure by means of hinge fasteners on both sides. Has a safety switch.

Emergency lighting time: 18 W 90 min., 36 W 90 min.

Charging time: 14 hours.



Code	A (mm)	B (mm)	C (mm)	Lamp Power
eLLK 92018/18 NIB	900	130	188	2x18W
eLLK 92036/36 NIB	1500	130	188	2x36W

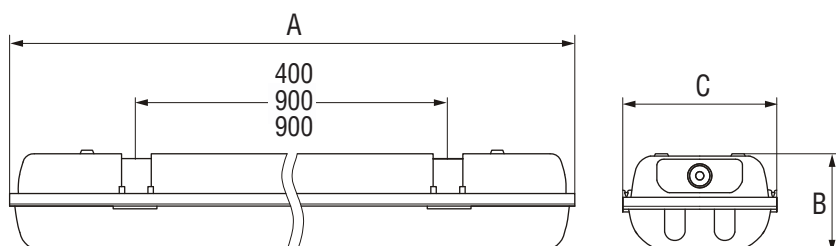
EX-PROOF FLUORESCENT LIGHTING FIXTURES / ZONE 2 TYPE

GAS	II3G Ex nA IIC T4 Gc	IP66	Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T80°C Db	IP66	❄️ -20°C ÷ ☀️ +55°C	❄️ -25°C ÷ ☀️ +60°C



Description

Polyester enclosure, **electronic ballast**, 100-300V AC, 50-60 Hz, ceiling-mounted, cable entries 4xM20x1,5, G13 base, transparent polyester bowl, reflector. Comes with 2 cable glands and 2 blind plugs.



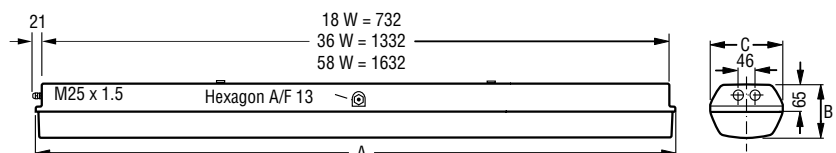
Code	A (mm)	B (mm)	C (mm)	Lamp Power
BnY81-18x1X	658	101	100	1x18/20W
BnY81-18x2X	658	101	158	2x18/20W
BnY81-36x1X	1268	101	100	1x36/40W
BnY81-36x2X	1268	101	158	2x36/40W
BnY81-58x1X	1568	101	100	1x58/65W
BnY81-58x2X	1568	101	158	2x58/65W

GAS	II3G Ex nA de/de mb IIC T4 Gb	IP66	Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tD A21 T80°C Db	IP66	❄️ -25°C ÷ ☀️ +50°C	❄️ -25°C ÷ ☀️ +40°C



Description

Polyester enclosure, **electronic ballast**, 220-240V AC, 50-60 Hz, ceiling-mounted, cable entries 4xM25x1,5, G13 base, transparent polyester bowl, reflector. Comes with 2 cable glands and 2 blind plugs.



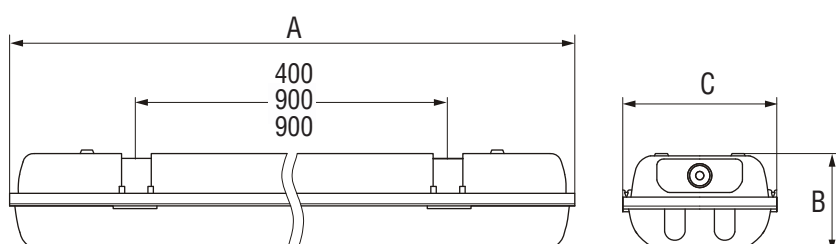
Code	A (mm)	B (mm)	C (mm)	Lamp Power
nLLK 08018/18	760	130	188	2x18/20W
nLLK 08036/36	1360	130	188	2x36/40W
nLLK 08058/58	1660	130	188	2x58/65W

GAS	II3G Ex nA IIC T4 Gc	IP66	Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T80°C Db	IP66	❄️ -20°C ÷ ☀️ +55°C	❄️ -25°C ÷ ☀️ +60°C



Description

Polyester enclosure, **Zone 2 LED fluorescent**, 110-265V AC, 50-60 Hz, ceiling-mounted, cable entries 4xM20x1,5, G13 base, transparent polyester bowl, reflector. Comes with 2 cable glands and 2 blind plugs.



Code	A (mm)	B (mm)	C (mm)	Lamp Power
BnY81-LED-9x1X	658	101	100	1x9W
BnY81-LED-9x2X	658	101	158	2x9W
BnY81-LED-18x1X	1268	101	100	1x18W
BnY81-LED-18x2X	1268	101	158	2x18W
BnY81-LED-28x1X	1568	101	100	1x28W
BnY81-LED-28x2X	1568	101	158	2x28W

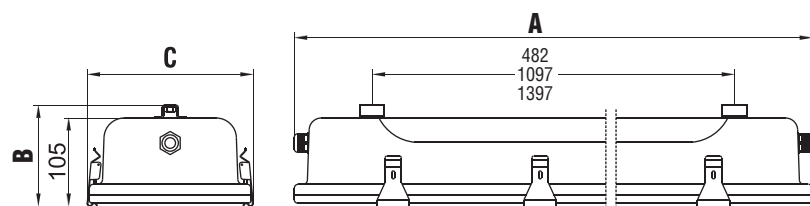
EX-PROOF FLUORESCENT LIGHTING FIXTURES / STAINLESS STEEL TYPE

GAS	II3G Ex nA IIC T4 Gc	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T80°C Db	IP66	❄️ -20°C ÷ ☀️ +60°C	❄️ -40°C ÷ ☀️ +60°C



Description

AISI 304 stainless steel enclosure, electronic ballast, 220-240V AC, 50-60 Hz, ceiling-mounted, cable entries 2xM20x1,5, G13 base. Comes with a cable gland and a blind plug.



Code	A (mm)	B (mm)	C (mm)	Lamp Power
BJY-18x1X	726	120	140	1x18/20W
BJY-18x2X	726	120	200	2x18/20W
BJY-36x1X	1326	120	140	1x36/40W
BJY-36x2X	1326	120	200	2x36/40W
BJY-58x1X	1626	120	140	1x58/65W
BJY-58x2X	1626	120	200	2x58/65W

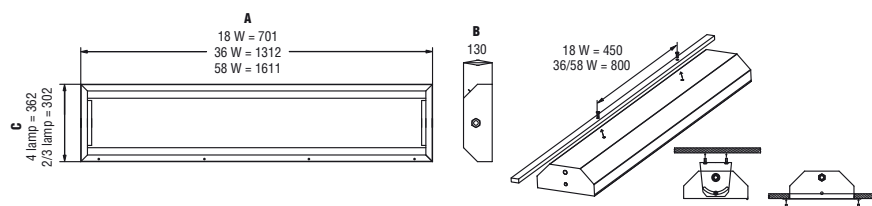
EX-PROOF FLUORESCENT LIGHTING FIXTURES FOR SURFACE MOUNTING

GAS	II2G Ex ed IIC T4 Gb	IP65	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T60°C Db	IP65	❄️ -20°C ÷ ☀️ +40°C	❄️ -40°C ÷ ☀️ +60°C



Description

Steel sheet enclosure, painted RAL 9010, **electronic ballast**, 110-254V AC, 50-60 Hz, surface-mounted, cable entries 1xM25x1,5, G13 base. Comes with a polyamide cable gland. AISI 304 stainless steel enclosure type is also available. Suitable for recessed mounting.



Code	A (mm)	B (mm)	C (mm)	Lamp Power
RLF 25018/18	701	130	302	2x18/20W
RLF 25036/36	1312	130	302	2x36/40W
RLF 25058/58	1611	130	302	2x58/65W
RLF 250336	1312	130	302	3x36/40W
RLF 250358	1611	130	302	3x58/65W
RLF 250418	701	130	362	4x18/20W
RLF 250436	1312	130	362	4x36/40W
RLF 250458	1611	130	362	4x58/65W

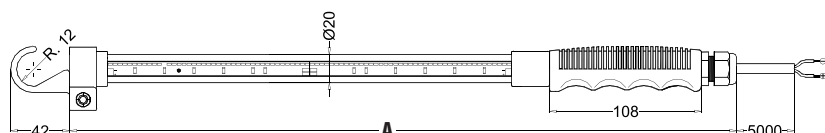
EX-PROOF PORTABLE LED LAMP

GAS	II2G Ex emb IIC T5 ÷ T4 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex mb IIIC T95°C ÷ T130°C Db	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +60°C



Description

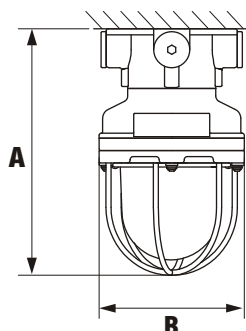
Polycarbonate body, polyamide handle, stainless steel hanging hook. Module OSRAM 72 LED, cable 5m (HR7RN-F 2x1 mm²) 24V DC, usage time 50 000 hours.



Code	A (mm)	Lumen (lm)	Weight (kg)	Lamp Power
LTC 10P	475	800	1,40	9W
LTC 20P	680	1600	2,30	17W

EX-PROOF LIGHTING FIXTURES WITHOUT BALLAST

GAS	II2G Ex d IIC T4 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex t IIIC T130°C Db	IP66	❄ -40°C ÷ ☀ +55°C	❄ -20°C ÷ ☀ +80°C



Description

Cast aluminum enclosure, incandescent bulb, protection grid, 220-240V AC, 50-60 Hz, cable entries 4x3/4", ceiling-mounted.
Comes with a blind plug.
A cable gland is to be purchased separately.

Suitable lamps:

Incandescent : 25W, 40W, 60W
Energy saving : 9W, 11W
LED : 7W, 10W, 12W

Code	A (mm)	B (mm)	Base Type	Weight (kg)
BDD81-A100X	250	Ø146	E27	2,50

GAS	II2G Ex d IIB T4	IP65	Zone 1 - Zone 2	
DUST	-	-	-	❄ -20°C ÷ ☀ +55°C



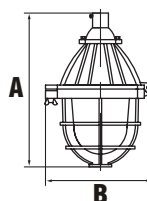
Hanging Type



Ceiling-Mounted Type



Wall-Mounted Type



Description

Cast aluminum body, protection grid, 220-240V AC, 50-60 Hz, cable entry 3/4".
Comes with a blind plug. A cable gland is to be purchased separately..

Suitable lamps:

Incandescent : 100W, 200W
Metal Halogen : 70W, 100W, 150W
Mercury-vapor : 80W, 125W
Sodium-vapor : 70W, 100W

Code	A (mm)	B (mm)	Base Type	Weight (kg)
HRD51-150-A200A	326	Ø270	E27	5,20
HRD51-150-A200X	501	Ø270	E27	6,70
HRD51-150-A200B	766	Ø270	E27	7,10

EX-PROOF LIGHTING FIXTURES WITHOUT BALLAST

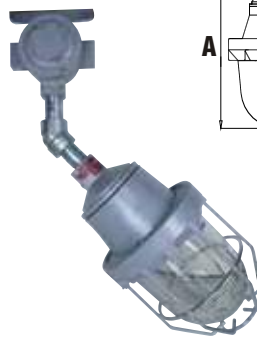
GAS	II2G Ex d IIC T5 ÷ T5 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T95°C ÷ T295°C Db	IP66	❄ -20°C ÷ ☀ +40°C	❄ -20°C ÷ ☀ +80°C



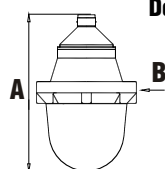
Hanging Type



Ceiling-Mounted Type



Wall-Mounted Type



Description

Cast aluminum body, protection grid, 220-240V, 50-60 Hz, cable entry 3/4".
Cable gland and blind plug are to be purchased separately.

Hanging type (EVA)

Ceiling-mounted type (EVCT)

Wall-mounted type (EVJT)

Code	A (mm)	B (mm)	Base Type	Lamp Power
EVA 50	222	Ø128	E27	75W-100W
EVCT 50	362	Ø128	E27	75W-100W
EVJT 50	380	Ø128	E27	75W-100W
EVA 125	294	Ø174	E27	200W
EVCT 125	434	Ø174	E27	200W
EVJT 125	440	Ø174	E27	200W

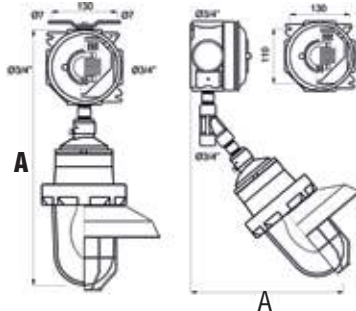
EX-PROOF LIGHTING FIXTURES WITH A BALLAST

GAS	II2G Ex d IIC T5 ÷ T3 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIC T95°C ÷ T195°C Db	IP66	❄ -20°C ÷ ☀ +40°C	❄ -45°C ÷ ☀ +80°C

CO.SI.ME.
EQUIPMENT FOR ATEX

Description

Cast aluminum body, protection grid, 220-240V AC, 50-60 Hz, cable entry 3/4", ballast. Doesn't have a reflector. A cable gland, a blind plug, and a bulb are to be purchased separately.



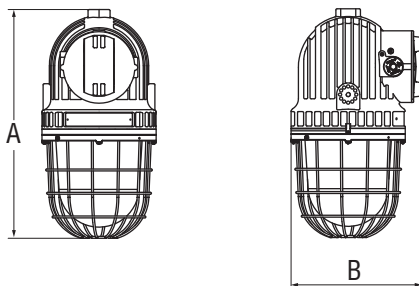
Ceiling-mounted Type Code	Lamp Power	A (mm)	Base Type	Wall-mounted Type Code	A (mm)	Base Type	Bulb Type
EWCT 80RHg	80W	440	E27	EWJ 80RHg	330	E27	Mercury-vapor
EWCT 125RHg	125W	470	E27	EWJ 125RHg	350	E27	Mercury-vapor
EWCT 250RHg	250W	550	E40	EWJ 250RHg	430	E40	Mercury-vapor
EWCT 150RNa	150W	610	E27	EWJ 150RNa	430	E27	Sodium-vapor
EWCT 250RNa	250W	610	E40	EWJ 250RNa	430	E40	Sodium-vapor
EWCT 250RMH	250W	610	E40	EWJ 250RMH	480	E40	Metal Halogen

GAS	II2G Ex d IIC T4 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIC T130°C Db	IP66	❄ -60°C ÷ ☀ +55°C	❄ -45°C ÷ ☀ +60°C

WARDA

Description

Cast aluminum body, protection grid, 220-240V AC, 50 Hz, cable entry 3/4", ballast. Doesn't have a reflector. A cable gland, a blind plug, and a bulb are to be purchased separately.



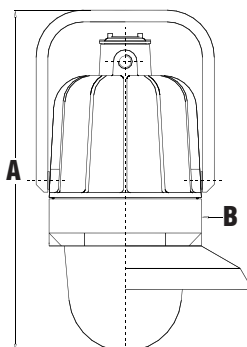
Code	Lamp Power	A (mm)	B (mm)	Base Type	Weight (kg)	Bulb Type
BDD91-150-HSE70K	70W	415	Ø225	E27	11,20	Sodium-vapor
BDD91-150-HIE150K	150W	415	Ø225	E27	11,20	Metal Halogen
BDD91-250-HSE150K	150W	480	Ø265	E40	14,80	Sodium-vapor
BDD91-250-HSE250K	250W	480	Ø265	E40	14,80	Sodium-vapor
BDD91-250-HIE250K	250W	480	Ø265	E40	14,80	Metal Halogen
BDD91-400-HSE400K	400W	555	Ø295	E40	16,70	Sodium-vapor
BDD91-400-HIE400K	400W	555	Ø295	E40	16,70	Metal Halogen
BDD91-400-HME400K	400W	555	Ø295	E40	16,70	Mercury-vapor

GAS	II2G Ex de IIC T4 ÷ T3 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIC T130°C ÷ T195°C Db	IP66	❄ -20°C ÷ ☀ +40°C	❄ -20°C ÷ ☀ +60°C

CO.SI.ME.
EQUIPMENT FOR ATEX

Description

Cast aluminum body, protection grid, 220-240V AC, 50-60 Hz, cable entry 3/4", ballast. Doesn't have a reflector. A cable gland, a blind plug, and a bulb are to be purchased separately.

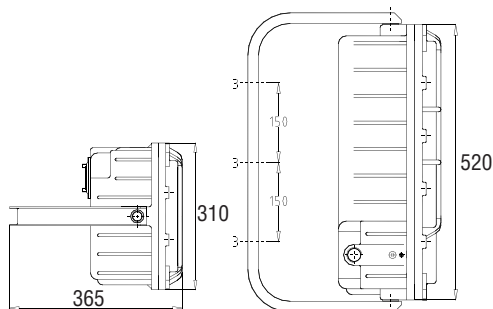


Code	Lamp Power	A (mm)	B (mm)	Base Type	Weight (kg)	Bulb Type
EWE 150RNa	150W	375	Ø196	E27	12,00	Sodyum Buharlı
EWE 250RNa	250W	375	Ø196	E40	13,00	Sodyum Buharlı
EWE 150RMH	150W	294	Ø174	E27	12,00	Metal Halide
EWE 250RMH	250W	375	Ø196	E40	13,00	Metal Halide
EWE 400RMH	400W	416	Ø259	E40	18,00	Metal Halide
EWE 125RHg	80W	294	Ø174	E27	11,00	Civa Buharlı
EWE 150RHg	125W	294	Ø174	E27	12,00	Civa Buharlı
EWE 250RHg	250W	375	Ø196	E40	12,50	Civa Buharlı
EWE 400RHg	400W	416	Ø259	E40	17,50	Civa Buharlı

EX-PROOF FLOODLIGHTS

GAS	II2G Ex de IIB + H2 T4 ÷ T3	IP65&IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tD A21 T130°C ÷ T195°C	IP65&IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +60°C

CO.SI.ME.
EQUIPMENT FOR ATEX

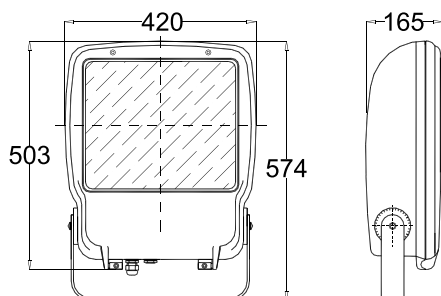
**Description**

Cast aluminum body, 220-230V AC, 50-60 Hz, cable entry 3/4".
A cable gland is to be purchased separately.

Code	Lamp Power	Base Type	Bulb Type	Weight (kg)
RFL 250RNa	250W	E40	Sodium-vapor	23,00
RFL 400RMH	400W	E40	Metal Halogen	25,00
RFL 500H	500W	E40	Halogen	20,00

GAS	II3G Ex nR T3 Gc	IP66	Zone 2 - Zone 22	
DUST	II3D Ex tc IIIC T195°C Dc	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +60°C

CO.SI.ME.
EQUIPMENT FOR ATEX

**Description**

Cast aluminum body, 220-230V, 50-60 Hz, cable entry 3/4".
A cable gland is to be purchased separately.

Code	Lamp Power	Base Type	Bulb Type	Weight (kg)
RFN 150RNa	150W	E27	Sodium-vapor	9,00
RFN 250RNa	250W	E40	Sodium-vapor	10,00
RFN 400RNa	400W	E40	Sodium-vapor	14,00
RFN 400RMH	400W	E40	Metal Halogen	14,00

GAS	II2G Ex de IIB T3 / Ex d IIC T3	IP65	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tD A21 T200°C / Ex tb IIIC T190°C	IP65	❄️ -20°C ÷ ☀️ +55°C	❄️ -20°C ÷ ☀️ +60°C

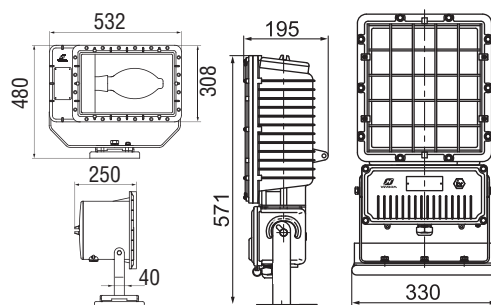
WARDA



250W



400W

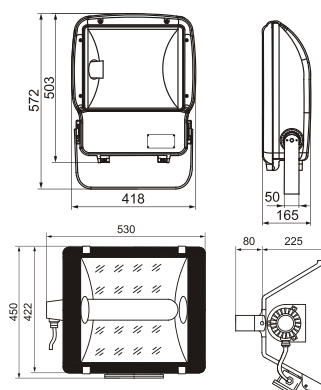
**Description**

Cast aluminum body, 220-240V, 50 Hz, cable entry 3/4".
A cable gland is to be purchased separately.

Code	Lamp Power	Base Type	Bulb Type	Weight (kg)
BAT53-HIE250	250W	E40	Metal Halogen	14,75
BAT85-HIE400	400W	E40	Metal Halogen	28,50

GAS	II3G Ex nR IIIC T3 / T2 Gc	IP66	Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex t IIIC T190°C / T290°C Db	IP66	❄️ -20°C ÷ ☀️ +55°C	❄️ -20°C ÷ ☀️ +60°C

WARDA

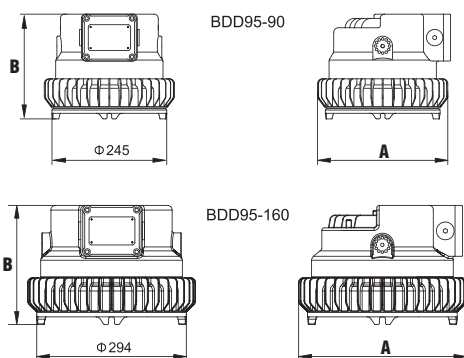
**Description**

Cast aluminum body, 220-240V AC, 50 Hz, cable entry 3/4".
A cable gland is to be purchased separately.

Code	Lamp Power	Base Type	Bulb Type	Weight (kg)
BnT81-HIE250	250W	E40	Metal Halogen	12,85
BnT81-HIE400	400W	E40	Metal Halogen	12,85
BnT81-HIE1000	1000W	E40	Metal Halogen	28,60

EX-PROOF LED FLOODLIGHTS

GAS	II2G Ex db e IIC T6/T5 ÷ T6/T5 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T62/82°C ÷ T67/87°C	IP66	❄️ -40°C ÷ ☀️ +40°C	❄️ -40°C ÷ ☀️ +55°C

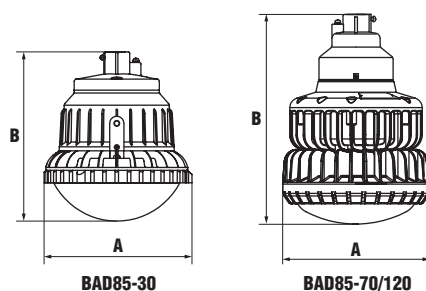


Description

Cast aluminum body, 100-300V AC, 50-60 Hz, cable entry 3/4". Comes with a blind plug. A cable gland is to be purchased separately.

Code	Lamp Power	Lumen (lm)	Sizes AxB (mm)	Weight (kg)
BDD95-90-60K	60W	6000	Ø278x225	8,50
BDD95-90-90K	90W	9000	Ø278x225	8,50
BDD95-160-120K	120W	12000	Ø330x234	12,20
BDD95-160-160K	160W	16000	Ø330x234	12,20

GAS	II2G Ex d IIC T6/T5 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T80/95°C Db	IP66	❄️ -40°C ÷ ☀️ +55°C	❄️ -40°C ÷ ☀️ +40°C

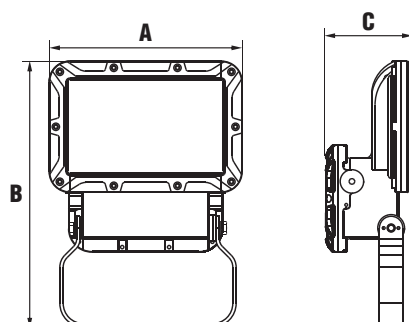


Description

Cast aluminum body, 187-265V AC, 50-60 Hz, cable entry 3/4". Comes with a blind plug. A cable gland is to be purchased separately.

Code	Lamp Power	Lumen (lm)	Sizes AxB (mm)	Weight (kg)
HRD85-30-20X	20W	1800	Ø208x241	4,05
HRD85-30-30X	30W	2700	Ø208x241	4,05
HRD85-70-50X	50W	4500	Ø255x350	7,40
HRD85-70-70X	70W	6300	Ø255x350	7,40
HRD85-120-100X	100W	9000	Ø295x385	8,40
HRD85-120-120X	120W	10800	Ø295x385	8,40

GAS	II2G Ex db IIB + H2 T6/T5 Gb	IP65	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T80/95°C Db	IP65	❄️ -40°C ÷ ☀️ +40°C	❄️ -40°C ÷ ☀️ +55°C

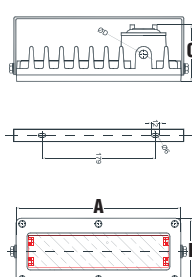
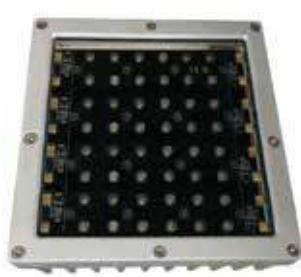


Description

Cast aluminum body, 100-300V AC, 50-60 Hz, cable entry 3/4". Comes with a blind plug. A cable gland is to be purchased separately.

Code	Lamp Power	Lumen (lm)	Sizes AxBxC (mm)	Weight (kg)
BAT86-90-60G	60W	5600	288x397x130	7,55
BAT86-90-90G	90W	8500	288x397x130	7,55
BAT86-160-120G	120W	11000	355x446x125	9,25
BAT86-160-160G	160W	15000	355x446x125	9,25
BAT86-250-200G	200W	16000	510x515x140	14,35
BAT86-250-250G	250W	20000	510x515x140	14,35

GAS	II2G Ex emb IIC T5 ÷ T4 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex mb IIIC T95°C ÷ T130°C	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +60°C



Description

Cast aluminum body, 230V AC, 50-60 Hz, cable entry M20. Time of usage 50 000 hours. A cable gland and a blind plug are to be purchased separately.

Code	Lamp Power	Lumen (lm)	Sizes AxBxC (mm)	Weight (kg)
PRO 12EX230AC	20W	2600	260x105x90	2,50
PRO 24EX230AC	40W	5200	260x170x90	6,50
PRO 48EX230AC	80W	10400	260x310x90	13,00
PRO 144EX230AC	240W	24000	260x310x90	13,00

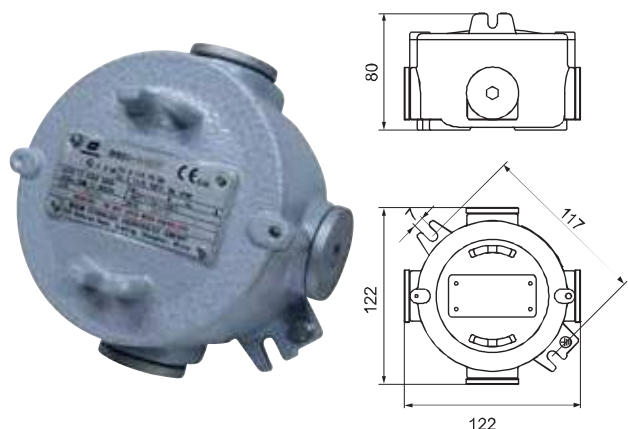
EX-PROOF JUNCTION BOXES

GAS	II2G Ex d IIC T6 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex t IIC T80°C Db	IP66	❄️ -60°C ÷ ☀️ +55°C	❄️ -20°C ÷ ☀️ +55°C



Description

Cast aluminum body.
Has a terminal block and blind plugs for each entry.



Code	2-Way	Code	3-Way
BHD51-B / G1/2" BHD51-B / G3/4"	Type B	BHD51-C / G1/2" BHD51-C / G3/4"	Type C

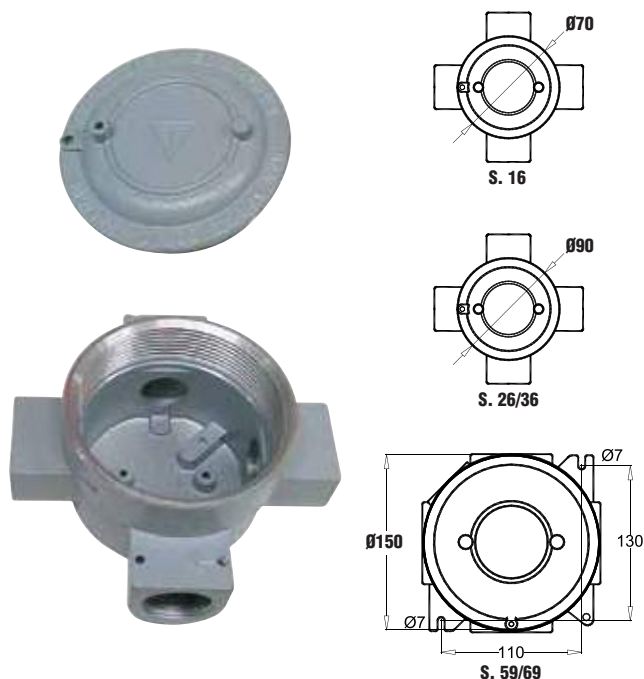
Code	2-Way	Code	4-Way
BHD51-E / G1/2" BHD51-E / G3/4"	Type E	BHD51-D / G1/2" BHD51-D / G3/4"	Type D

GAS	II2G Ex d IIC T6 ÷ T4 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIC T80°C ÷ T130°C Db	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +60°C



Description

Cast aluminum body.



Code	2-Way	Code	2-Way
SL 16-1/2" SL 26-3/4" SL 36-1"		SC 16-1/2" SC 26-3/4" SC 36-1"	

Code	3-Way	Code	4-Way
ST 16-1/2" ST 26-3/4" ST 36-1" ST 59-1 1/2" ST 69-2"		SX 16-1/2" SX 26-3/4" SX 36-1" SX 59-1 1/2" SX 69-2"	

EX-PROOF THERMOCOUPLE JUNCTION BOXES



Code	A	B
GUJP 11	Ø 1/2"	Ø 1/2"
GUJP 21	Ø 1/2"	Ø 3/4"

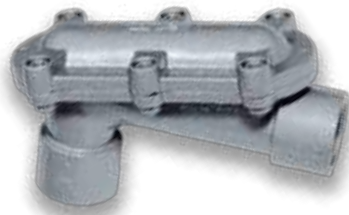
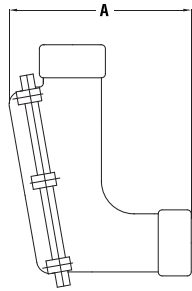


Code	A	B
SB 116	Ø 1/2"	Ø 1/2"
SB 216	Ø 3/4"	Ø 1/2"

EX-PROOF CABLE PULL BOXES

GAS	II2G Ex d IIB
Zone 1 - Zone 2	❄️ -20°C ÷ ☀️ +40°C

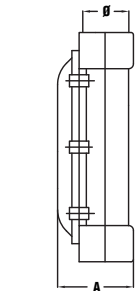
ELFIT



Code	Thread Size	Sizes (mm)			Weight (kg)
		A	B	C	
LBH 1	1/2"	95	171	70	0,434
LBH 2	3/4"	95	171	70	0,404
LBH 3	1"	112	181	70	0,455
LBH 5	1 1/2"	132	240	110	1,142
LBH 6	2"	132	298	110	1,024

GAS	II2G Ex d IIB
Zone 1 - Zone 2	❄️ -20°C ÷ ☀️ +40°C

ELFIT



Code	Thread Size	Sizes (mm)			Weight (kg)
		A	B	C	
EKC 1	1/2"	59	165	70	0,508
EKC 2	3/4"	59	165	70	0,485
EKC 3	1"	64	168	70	0,558
EKC 5	1 1/2"	87	265	99	1,135
EKC 6	2"	112	265	105	1,745

Ex-PROOF LIMIT SWITCH

GAS	II2G Ex d IIC T6	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tD A21 T85°C	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +60°C

CO.SI.ME.
EQUIPMENT FOR ATEX

Description

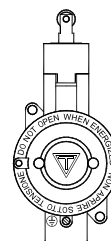
Cast aluminum body.
AISI 304 stainless steel head.
Cable entry 1/2"
Weight of one piece 0.50 kg
380V AC, 50-60 Hz: 1.9 A



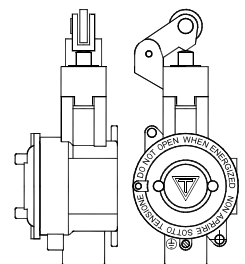
FCC 11



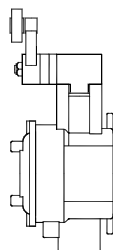
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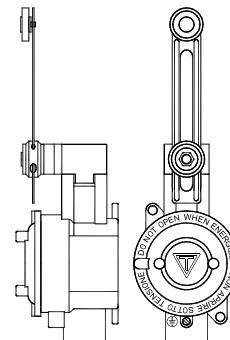
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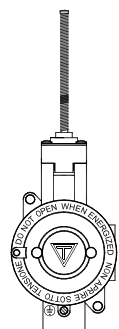
FCC 32



FCC 42



FCC 52



FCC 93

Code	FCC 11	FCC 12	FCC 13	FCC 32	FCC 42	FCC 52	FCC 93
Height (mm)	37	36,5	50	64	63	124	130

EX-PROOF FLOATING SWITCH (FCC 72G)

CO.SI.ME.
EQUIPMENT FOR ATEX

Cast aluminum body.
AISI 304 stainless steel head
690V, 10A – 50-60 Hz
Weight of one piece 0.90 kg
Cable entry 1/2"
Contacts: 1NO+1NC

EX-PROOF FOOT SWITCH (FCC 10P)

CO.SI.ME.
EQUIPMENT FOR ATEX

Cast aluminum body.
AISI 304 stainless steel head
690V, 10A – 50-60 Hz
Weight of one piece 0.90 kg
Cable entry 1/2"
Contacts: 1NO+1NC

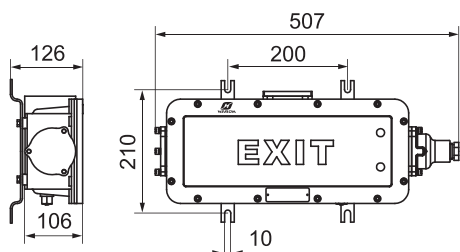
EX-PROOF EMERGENCY EXIT LIGHTING FIXTURE AND SIGNS

GAS	II2G Ex d IIC T6	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tD A21 T80°C	IP66	❄ -20°C ÷ ☀ +55°C	❄ -20°C ÷ ☀ +55°C



Description

Cast aluminum body. 220-240V AC, 50-60 Hz. Cable entry 3/4".
Emergency working time 180 min. Lamp power 2 W LED.
Charging time 24 hours. The weight of one piece 6.40 kg.
Comes with a blind plug. A cable gland is to be purchased separately.



BAYD-BA



BAYD-BB



BAYD-BC



BAYD-BD



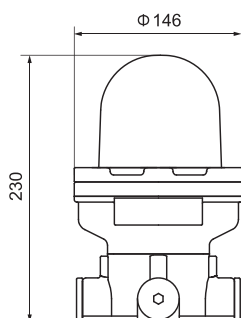
BAYD-BE



BAYD-BF

EX-PROOF CAUTION LIGHT

GAS	II2G Ex d IIC T6 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex t IIC T80°C Db	IP66	❄ -40°C ÷ ☀ +55°C	❄ -20°C ÷ ☀ +55°C



24V DC Code	Colour
BJD81-R-24V	RED
BJD81-Y-24V	YELLOW
BJD81-G-24V	GREEN
BJD81-B-24V	BLUE

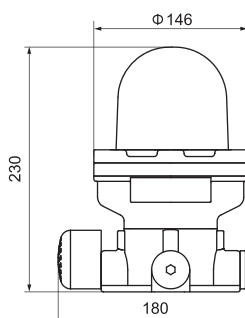
220V AC Code	Colour
BJD81-R-220V	RED
BJD81-Y-220V	YELLOW
BJD81-G-220V	GREEN
BJD81-B-220V	BLUE

Description

Cast aluminum body.
220-240V AC, 50-60 Hz. 24V DC.
Cable entry 3/4". Lamp power 3 W LED.
Flash frequency: 150 times a minute.
Weight of one piece 2.50 kg.
Comes with a blind plug.
A cable gland is to be purchased separately.

EX-PROOF CAUTION LIGHT WITH SIREN

GAS	II2G Ex d ib IIC T6 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex t IIC T80°C Db	IP66	❄ -40°C ÷ ☀ +55°C	❄ -20°C ÷ ☀ +55°C



24V DC Code	Colour
BBJ81-R-24V	RED
BBJ81-Y-24V	YELLOW
BBJ81-G-24V	GREEN
BBJ81-B-24V	BLUE

220V AC Code	Colour
BBJ81-R-220V	RED
BBJ81-Y-220V	YELLOW
BBJ81-G-220V	GREEN
BBJ81-B-220V	BLUE

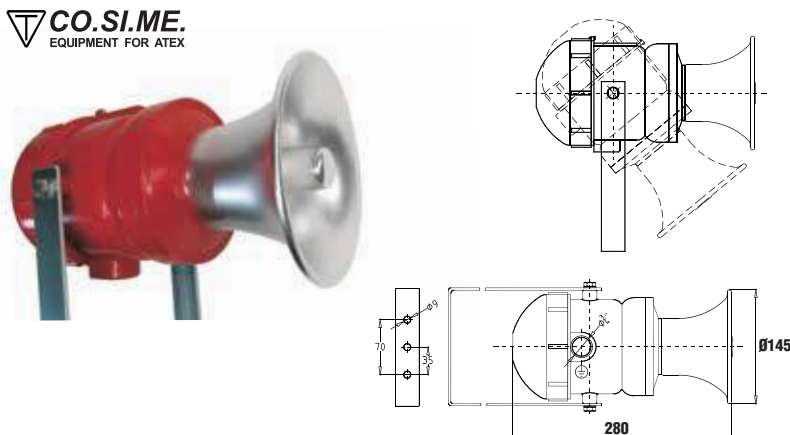
Description

Cast aluminum body.
220-240V AC, 50-60 Hz. 24V DC.
Cable entry 3/4". Lamp Power 5 W LED.
Flash frequency: 150 times a minute.
Sound level 100-120 dB / 1 m.
Weight of one piece 2.60 kg.
Comes with a blind plug.
A cable gland is to be purchased separately.

EX-PROOF ELECTRONICAL SIREN

GAS	II2G Ex d IIC T6 ÷ T5 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIC T85°C ÷ T100°C Db	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +60°C

CO.SI.ME.
EQUIPMENT FOR ATEX

**Description**

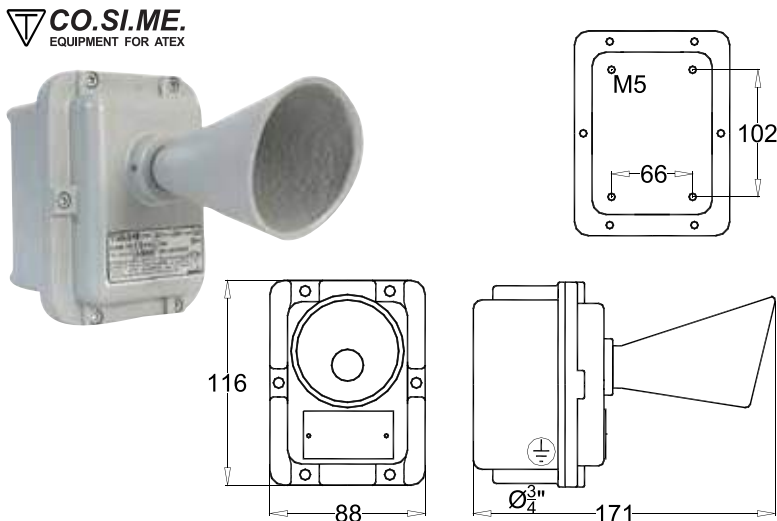
Cast aluminum body.
Stainless steel head and legs.
Cable entry 3/4", sound 5 tons.
A cable gland and a blind plug are to be purchased separately.

Code	Voltage	Power	Sound Level	Weight (kg)
ETH 20MD24	24V AC/DC	4W	101÷104 dB	3,3
ETH 20MD230	230V AC	10W	101÷104 dB	3,3

EX-PROOF HORN

GAS	II2G Ex d IIB T6 ÷ T5	Zone 1 - Zone 21 - Zone 2 - Zone 22	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +60°C
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CO.SI.ME.
EQUIPMENT FOR ATEX

**Description**

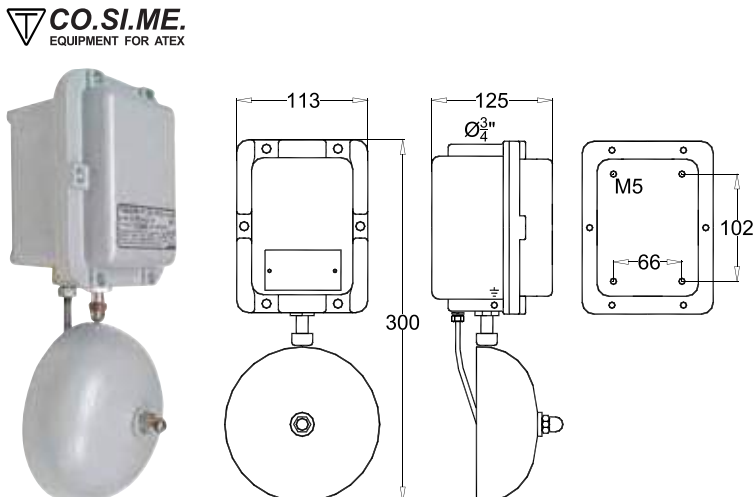
Cast aluminum body.
50-60 Hz, cable entry 3/4".
A cable gland and a blind plug are to be purchased separately.

Code	Voltage	Power	Sound Level	Weight (kg)
ETH 12CA	12V AC	35VA	95÷110 dB	2,2
ETH 24CA	24V AC	115VA	95÷110 dB	2,2
ETH 48CA	48V AC	110VA	95÷110 dB	2,2
ETH 110CA	110V AC	70VA	95÷110 dB	2,2
ETH 220CA	230V AC	75VA	95÷110 dB	2,2

EX-PROOF BELL

GAS	II2G Ex d IIB+H T6 ÷ T5	Zone 1 - Zone 21 - Zone 2 - Zone 22	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +60°C
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CO.SI.ME.
EQUIPMENT FOR ATEX

**Description**

Cast aluminum body.
50-60 Hz, cable entry 3/4".
A cable gland and a blind plug are to be purchased separately.

Code	Voltage	Power	Sound Level	Weight (kg)
ETR 12CA	12V AC	35VA	90÷105 dB	2,5
ETR 24CA	24V AC	55VA	90÷105 dB	2,5
ETR 48CA	48V AC	70VA	90÷105 dB	2,5
ETR 110CA	110V AC	40VA	90÷105 dB	2,5
ETR 220CA	230V AC	40VA	90÷105 dB	2,5

EX-PROOF PLUGS AND SOCKETS / ALUMINUM BODY

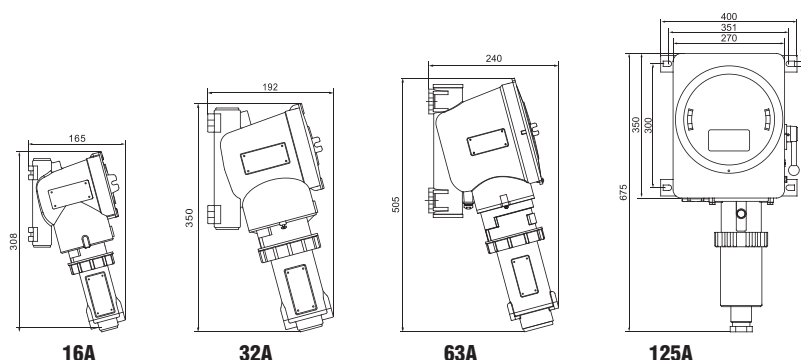
GAS	II2G Ex d IIC T6 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex t IIC T80°C Db	IP66	❄️ -60°C ÷ ☀️ +55°C	❄️ -20°C ÷ ☀️ +55°C



MONOPHASE



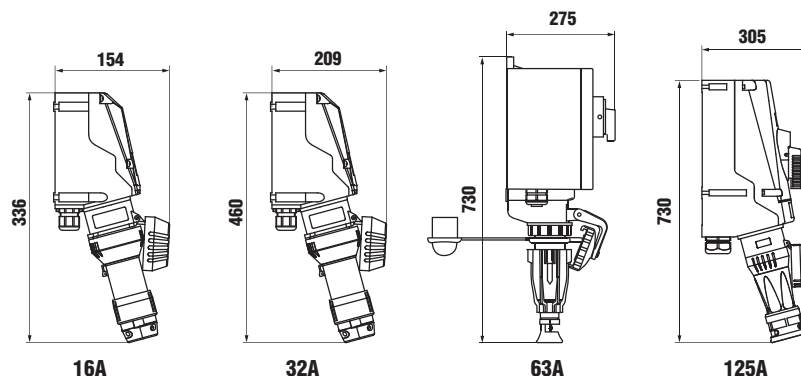
THREEPHASE



Code	Voltage	Current Intensity	Number of Poles	Cable Entry Size Socket / Plug	Diagram	Weight (kg)
BCZ85-16/250/3P	200-250V	16A	2P+PE	2x3/4"+1x3/4"		2,60
BCZ85-32/415/5P	380-415V	32A	3P+N+PE	2x3/4"+1x3/4"		3,40
BCZ85-63/415/4P	380-415V	63A	3P+PE	2x1 1/2"+1x1"		4,50
BCZ85-63/415/5P	380-415V	63A	3P+N+PE	2x1 1/2"+1x1"		4,50
BCZ85-125/415/4P	380-415V	125A	3P+PE	2x2"+1x1 1/2"		20,00

EX-PROOF PLUGS AND SOCKETS / POLYESTER BODY

GAS	II2G Ex d e IIC T6/T4 Gb	IP65	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIC T80°C / T95°C Db	IP65	❄️ -20°C ÷ ☀️ +55°C	❄️ -20°C ÷ ☀️ +40°C



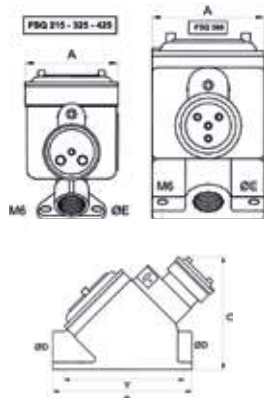
Code	Voltage	Current Intensity	Number of Poles	Cable Entry Size Socket / Plug	Diagram	Weight (kg)
BCZ8060-16/250/3P	200-250V	16A	2P+PE	1xM25/1xM25		1,85
BCZ8060-16/415/5P	380-415V	16A	3P+N+PE	1xM25/1xM25		1,85
BCZ8060-32/415/5P	380-415V	32A	3P+N+PE	1xM40/1xM40		2,85
BCZ8060-63/415/5P	380-415V	63A	3P+N+PE	1xM50/ -	/	14,90
BCZ8060-125/415/5P	380-415V	125A	3P+N+PE	1xM63/1xM63		16,00

EX-PROOF PLUGS AND SOCKETS / ALUMINUM BODY

GAS	II2G Ex d IIC T6 Gb	IP65	Zone 1 - Zone 21 - Zone 2 - Zone 22	❄️ -60°C ÷ ☀️ +55°C
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EQUIPMENT FOR ATEX

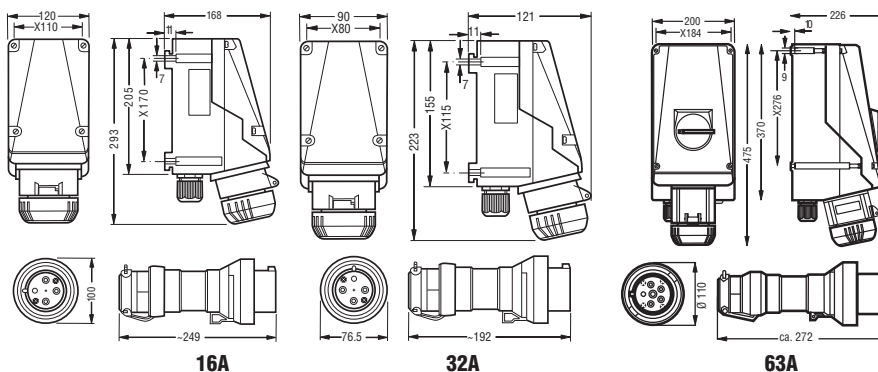


Socket Code	Plug Code	Voltage	Current Intensity	Number of Poles	Cable Entry Size Socket / Plug	A (mm)	B (mm)	C (mm)
FSQ 215	BP 215	500V	25A	2P+PE	2x1"+1x3/4"	110	180	145
FSQ 325	BP 325	500V	32A	3P+E	2x1"+1x3/4"	110	180	145
FSQ 425	BP 425	500V	32A	3P+N+PE	2x1"+1x3/4"	110	180	145
FSQ 360	BP 360	500V	63A	3P+PE	2x1 1/2"+1x1"	155	246	190
FSQ 460	BP 460	500V	63A	3P+N+PE	2x1 1/2"+1x1"	155	246	190

EX-PROOF PLUGS AND SOCKETS / POLYESTER BODY

GAS	II2G Ex ed IIC T6	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tD A21 T80°C	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +20°C

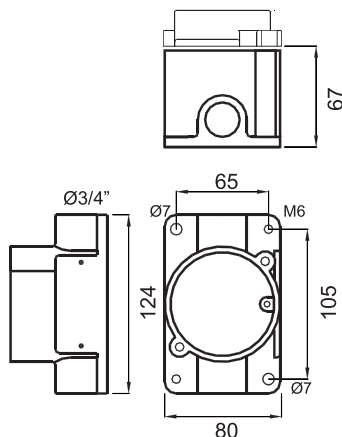
CEAG



Code	Type	Current Intensity	Number of Poles	Voltage	Cable Entry Size Socket / Plug	Diagram	Weight (kg)
GHG 511 4306 R0001	Socket	16A	2P+PE	200-250V	2xM25		1,20
GHG 511 7306 R0001	Plug	16A	2P+PE	200-250V	Ø8÷19		0,35
GHG 512 4406 R0001	Socket	32A	3P+PE	380-415V	2xM40		2,30
GHG 512 7406 R0001	Plug	32A	3P+PE	380-415V	Ø12÷28		0,55
GHG 512 4506 R0001	Socket	32A	3P+N+PE	380-415V	2xM40		2,30
GHG 512 7506 R0001	Plug	32A	3P+N+PE	380-415V	Ø12÷28		0,60
GHG 514 4406 R0001	Socket	63A	3P+PE	380-415V	2xM50		8,10
GHG 514 7406 R0001	Plug	63A	3P+PE	380-415V	Ø19÷34		0,90
GHG 514 4506 R0001	Socket	63A	3P+N+PE	380-415V	2xM50		8,10
GHG 514 7506 R0001	Plug	63A	3P+N+PE	380-415V	Ø19÷34		0,90

EX-PROOF SWITCHES / ALUMINUM BODY

GAS	II2G Ex d IIC T6	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T80°C	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +20°C

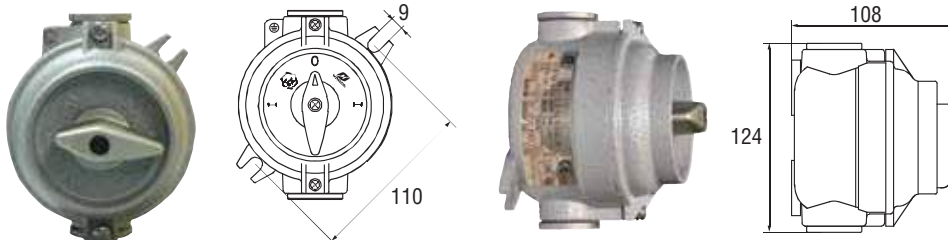
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EQUIPMENT FOR ATEX

Code	REGULAR SWITCHES				TWO GANG SWITCH				TWO GANG TWO WAY SWITCH		SINGLE PHASE INVERTER		THREE PHASE INVERTER	
	FSPC-210	FSPC-410	FSPC-325	FSPC-425	EFD +	EFD 52	EFD 502	EFD 503						
Number of Poles	2	4	3	4	1	1	1	3						
Current Intensity	16A	16A	32A	32A	16A	16A	16A	16A						
Cable Entry Thread Size	2x3/4"	2x3/4"	2x1"	2x1"	2x3/4"	2x3/4"	2x3/4"	2x3/4"						
Contact	0-1	0-1	0-1	0-1	0-1-2	1-2	1-0-2	1-0-2						

EX-PROOF SWITCHES / REGULAR TYPE

GAS	II2G Ex d IIC T6 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T80°C Db	IP66	❄️ -60°C ÷ ☀️ +60°C	❄️ -20°C ÷ ☀️ +40°C

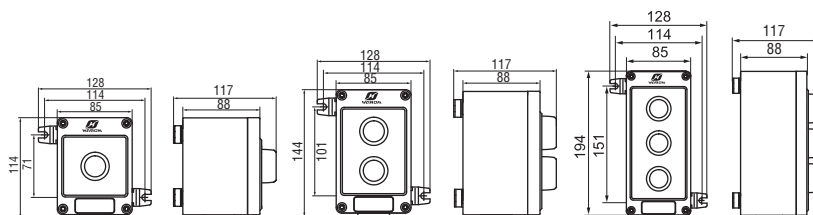
WARD



Code	BZM-16B
Number of Poles	2
Current Intensity	16A
Cable Entry Thread Size	2x3/4"
Contact	0-1
Voltage	250V AC
Weight (kg)	0,85

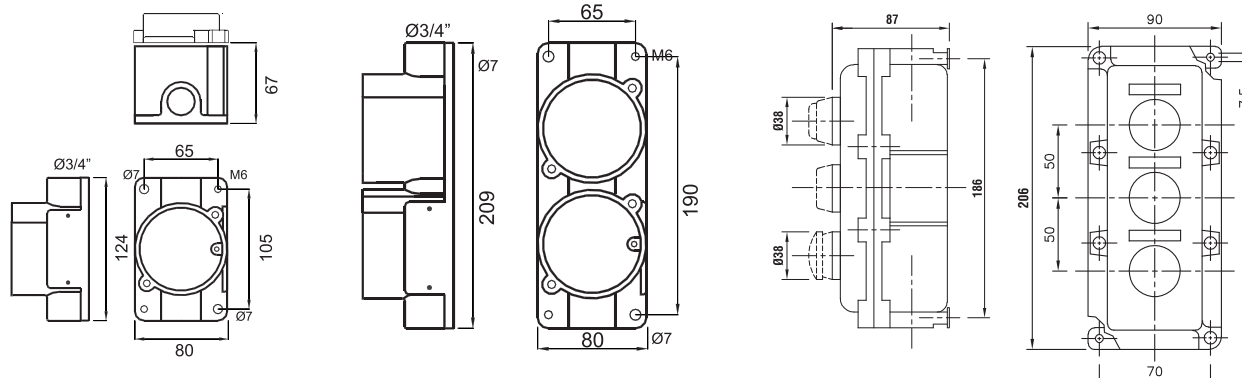
EX-PROOF CONTROL STATIONS / ALUMINUM BODY

GAS	II2G Ex d e IIC T6 Gb	IP65	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T80°C Db	IP65	❄️ -20°C ÷ ☀️ +55°C	❄️ -20°C ÷ ☀️ +55°C

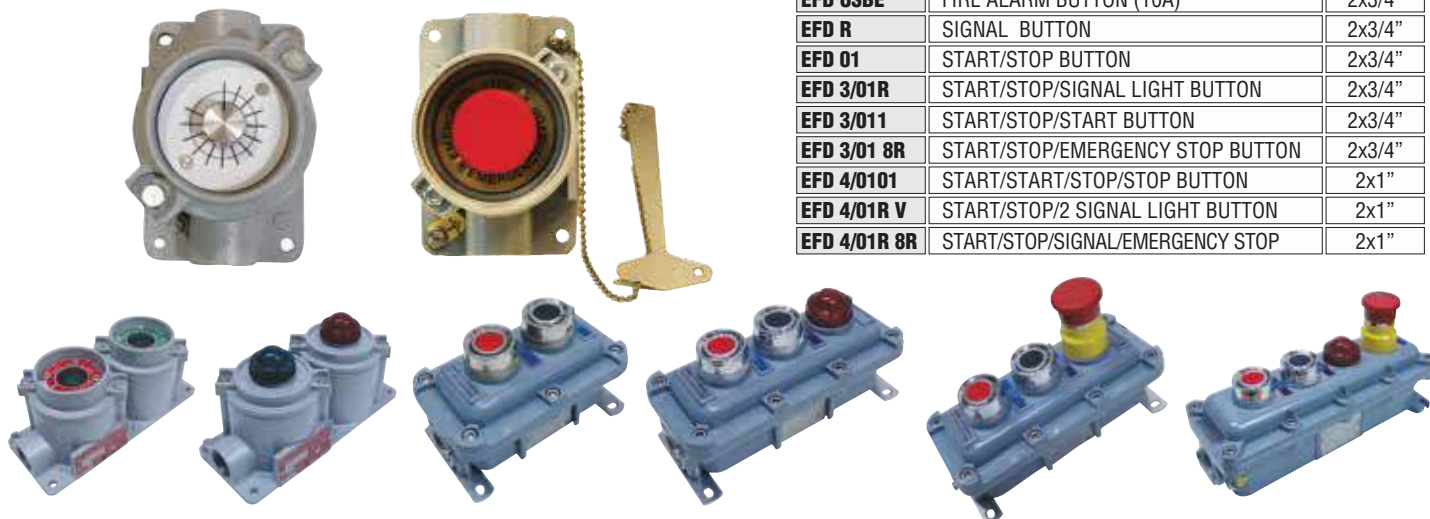


Code	Description	Weight (kg)
BCZ8050-A1 (40092B)	START BUTTON	0,65
BCZ8050-A1 (40092A)	STOP BUTTON	0,65
BCZ8050-A1 (40096)	EMERGENCY STOP BUTTON	0,65
BCZ8050-D1 (40099B)	RED SIGNAL LIGHT BUTTON (220V)	0,65
BCZ8050-A2 (40092BA)	START/STOP BUTTON	0,85
BCZ8050-A1D1 (40092B-99B)	START/RED SIGNAL LIGHT BUTTON (220V)	0,85
BCZ8050-A2 (40092B-96)	START/EMERGENCY STOP BUTTON	0,85
BCZ8050-A2D1 (40092A-99B)	START/STOP/RED SIGNAL LIGHT BUTTON (220V)	1,10
BCZ8050-A3 (40092BAB)	START/STOP/START BUTTON	1,10
BCZ8050-A3 (40092BA-96)	START/STOP/EMERGENCY STOP BUTTON	1,10

GAS	II2G Ex d e IIC T6 Gb	IP65	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T80°C Db	IP65	❄️ -20°C ÷ ☀️ +55°C	❄️ -20°C ÷ ☀️ +55°C

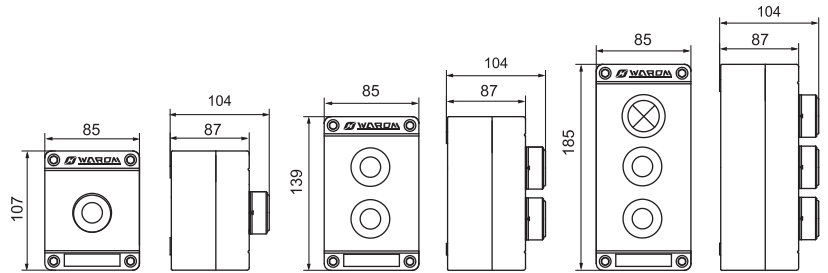


Code	Description	Cable Entry Thread Size
EFD 0S	START BUTTON	2x3/4"
EFD 1S	STOP BUTTON	2x3/4"
EFD 0SFB	EMERGENCY STOP BUTTON	2x3/4"
EFD 0SF/BY	EMERGENCY STOP BUTTON WITH A LOCK	2x3/4"
EFD P	POTENTIOMETER (10KOHM)	2x3/4"
EFD 0SBE	FIRE ALARM BUTTON (10A)	2x3/4"
EFD R	SIGNAL BUTTON	2x3/4"
EFD 01	START/STOP BUTTON	2x3/4"
EFD 3/01R	START/STOP/SIGNAL LIGHT BUTTON	2x3/4"
EFD 3/011	START/STOP/START BUTTON	2x3/4"
EFD 3/01 8R	START/STOP/EMERGENCY STOP BUTTON	2x3/4"
EFD 4/0101	START/START/STOP/STOP BUTTON	2x1"
EFD 4/01R V	START/STOP/2 SIGNAL LIGHT BUTTON	2x1"
EFD 4/01R 8R	START/STOP/SIGNAL/EMERGENCY STOP	2x1"



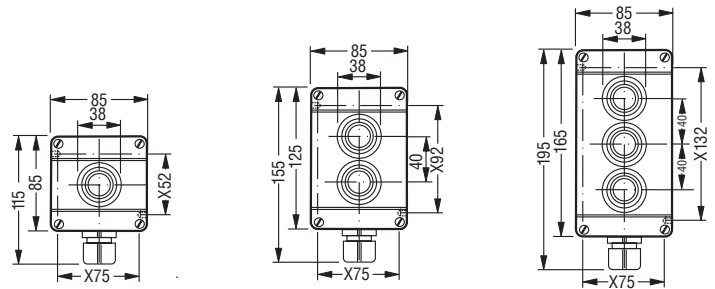
EX-PROOF CONTROL STATIONS / POLYESTER BODY

GAS	II2G Ex d e IIC T6 Gb	IP65	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T80°C Db	IP65	❄️ -20°C ÷ ☀️ +55°C	❄️ -20°C ÷ ☀️ +55°C



Code	Description	Weight (kg)
BZA8050-A1 (40063B)	START BUTTON	0,65
BZA8050-A1 (40063A)	STOP BUTTON	0,65
BZA8050-A1 (40064A)	EMERGENCY STOP BUTTON	0,65
BZA8050-A1 (40065B)	SWITCH 0-1	0,65
BZA8050-A2 (40066)	START/STOP BUTTON	0,85
BZA8050-A1D1 (40067)	EMERGENCY STOP/RED SIGNAL LIGHT BUTTON (220V)	0,85
BZA8050-A2D1 (40070)	START/STOP/RED SIGNAL LIGHT BUTTON (220V)	1,10
BZA8050-A3 (40071)	START/STOP/EMERGENCY STOP BUTTON	1,10

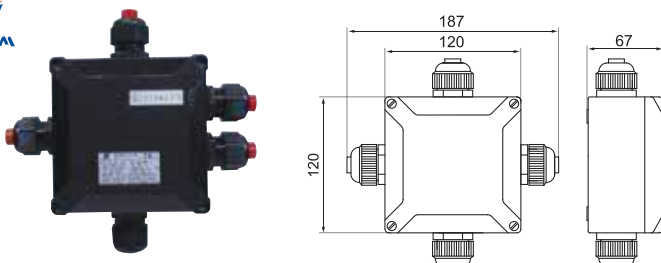
GAS	II2G Ex ed ib m IIC T6	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex td A21 T80°C	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +40°C



Code	Description	Weight (kg)
GHG 411 8100 R0001	START BUTTON	0,40
GHG 411 8100 R0002	EMERGENCY STOP BUTTON	0,45
GHG 411 8100 R0004	SWITCH 0-1	0,45
GHG 411 8100 R0006	EX-INVERTER SWITCH 1-0-2	0,45
GHG 411 8200 R0001	START/STOP BUTTON	0,54
GHG 411 8200 R0003	START/STOP/RED SIGNAL LIGHT BUTTON (220V)	0,65
GHG 411 8200 R0017	EMERGENCY STOP BUTTON, SWITCH 0-1	0,57
GHG 411 8300 R0001	START/STOP/RED SIGNAL LIGHT BUTTON (220V)	0,76
GHG 411 8300 R0003	START/STOP/SIGNAL/EMERGENCY STOP BUTTON	0,80
GHG 411 8300 R0004	START/STOP/SIGNAL LIGHT/SWITCH 0-1 BUTTON	0,80
GHG 273 2000 R0017	SWITCH (0-1) ON-OFF 16A 1 ENTRY	0,32
GHG 273 2000 R0018	SWITCH (0-1) ON-OFF 16A 2 ENTRIES	0,35

EX-PROOF TERMINAL BOXES

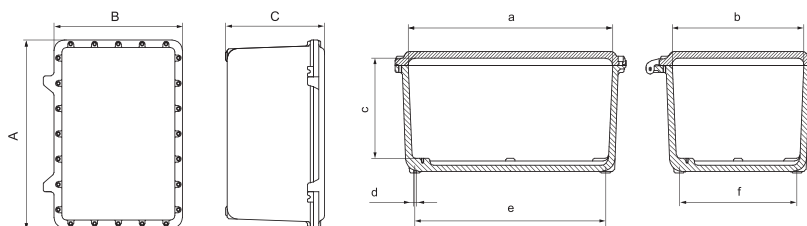
GAS	II2G Ex e II T6	IP65	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex td A21 T80°C	IP65	❄️ -20°C ÷ ☀️ +55°C	❄️ -20°C ÷ ☀️ +55°C



Code	Description	Type
BXJ8050-20/6B2	2-way terminal box (M25x1,5)	❄️
BXJ8050-20/6C2	3-way terminal box (M25x1,5)	❄️
BXJ8050-20/6D2	4-way terminal box (M25x1,5)	❄️
BXJ8050-20/6F2	4-way terminal box (M25x1,5)	❄️
BXJ8050-20/6G2	5-way terminal box (M25x1,5)	❄️
BXJ8050-20/6H2	6-way terminal box (M25x1,5)	❄️
BXJ8050-20/6I2	7-way terminal box (M25x1,5)	❄️

EX-PROOF JUNCTION BOXES WITH A COVER / ALUMINUM TYPE

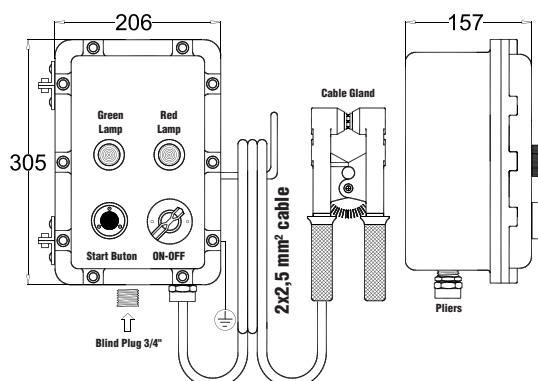
GAS	II2G Ex d IIB Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex t IIB Da	IP66	❄ -60°C ÷ ☀ +100°C	❄ -40°C ÷ ☀ +60°C



Code	A (mm)	B (mm)	C (mm)	a (mm)	b (mm)	c (mm)	e (mm)	f (mm)	d (mm)	Weight (kg)
BXT-I-W	250	200	170	192	142	120	180	130	M8	6,70
BXT-II-W	300	200	170	242	142	120	230	130	M8	8,00
BXT-IIB-W	350	200	170	292	142	120	280	130	M8	9,50
BXT-III-W	350	300	200	292	242	150	280	230	M10	14,50
BXT-IIIB-W	350	300	270	292	242	220	280	230	M10	17,50
BXT-IV-W	450	350	210	378	278	150	365	265	M10	23,00
BXT-IVB-W	450	350	280	378	278	220	365	265	M10	27,50
BXT-V-W	560	400	210	488	328	150	475	315	M10	34,50
BXT-VB-W	560	400	280	488	328	220	475	315	M10	39,50
BXT-VI-W	634	434	265	560	360	205	522	322	M10	46,00
BXT-VIB-W	634	434	335	560	360	275	522	322	M10	52,00
BXT-VII-W	720	560	275	640	480	215	620	460	M12	74,50
BXT-VIIB-W	720	560	345	640	480	285	620	460	M12	83,00

EX-PROOF JUNCTION BOXES WITH GROUNDING SYSTEM

GAS	II2G Ex d IIB / Ex d IIB+H ₂ T6	IP65&IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tD A21 T80°C	IP65&IP66	❄ -20°C ÷ ☀ +40°C	❄ -20°C ÷ ☀ +60°C



DMTB 20RP

23V, 50-60 Hz
Current Intensity 28 mA
Weight of one piece 14 kg

EX-PROOF JUNCTION BOXES WITH SOCKET PANELS

GAS	II2G Ex d IIB+H ₂ T6 ÷ T4	IP65&IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tD A21 T80°C ÷ T130°C	IP65&IP66	❄ -20°C ÷ ☀ +40°C	❄ -20°C ÷ ☀ +60°C



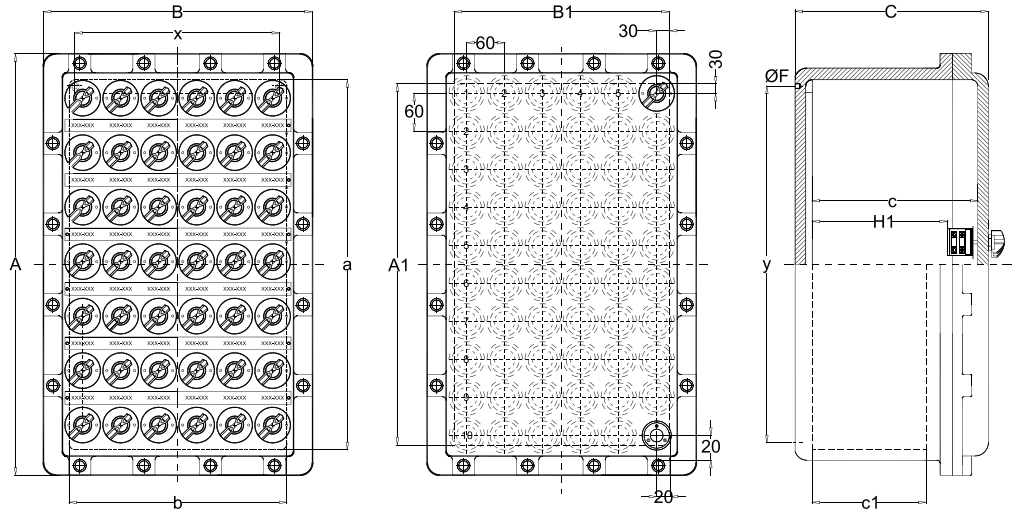
EJB 1076P

Socket panels with hinged covers,
Can be used with any type of plugs
and sockets (single-phase, three-phase).
Come with cable connecting accessories.

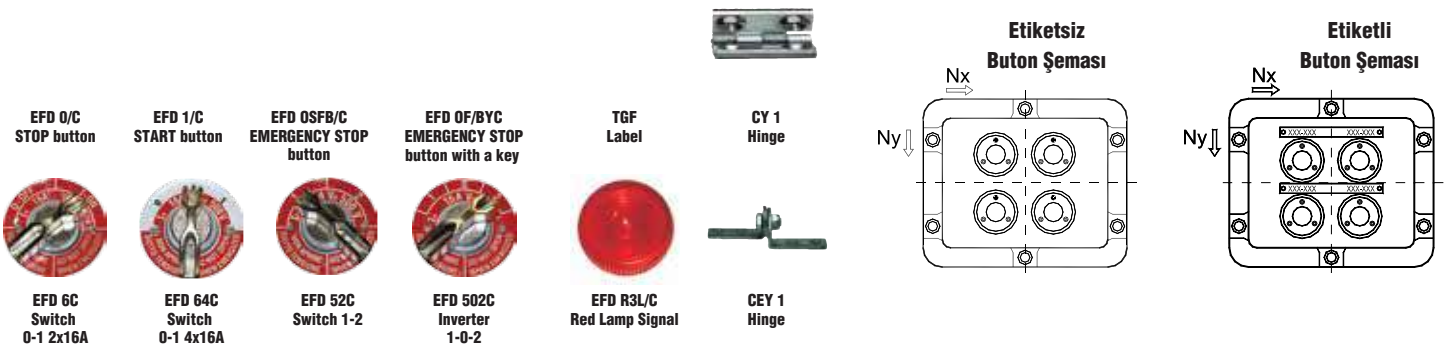
EX-PROOF JUNCTION BOXES WITH A COVER / ALUMINUM TYPE

GAS	II2G Ex d IIB+H₂ T6 ÷ T4	IP65&IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22
DUST	II2D Ex tD A21 T80°C ÷ T130°C	IP65&IP66	❄️ -20°C ÷ ☀️ +40°C ❄️ -20°C ÷ ☀️ +60°C

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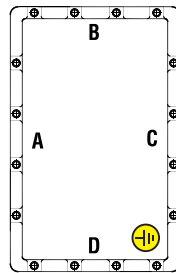


Code	Code With a window	A (mm)	B (mm)	C (mm)	a (mm)	b (mm)	c (mm)	c1 (mm)	A1 (mm)	B1 (mm)	H1 (mm)	H2 (mm)	x (mm)	y (mm)	ØF	Weight (kg)	Without Labels		With Labels	
																	Nx	Ny	Nx	Ny
EJB 544	EJB 544A	175	150	120	103	104	91	50	120	90	21	91	94	120	M5	2,77	2	1	2	1
EJB 755	EJB 755A	212	175	140	164	125	116	70	155	115	46	78	100	140	M6	4,70	2	2	2	2
EJB 1076	EJB 1076A	305	206	157	252	154	127	86	215	125	57	89	132	224	M6	8,50	4	2	4	2
EJB 1286	EJB 1286A	370	265	200	306	203	158	92	280	180	88	120	163	280	M8	14,50	5	3	4	3
EJB 14107	EJB 14107A	450	307	206	375	232	169	110	345	210	99	131	198	339	M8	19,50	6	4	6	4
EJB 17129	EJB 17129A	545	373	295	456	288	245	180	450	285	175	207	282	450	M10	30,50	8	5	7	5
EJB 221410	EJB 221410A	665	425	305	583	344	250	180	570	340	180	212	315	550	M10	48,00	10	6	9	6
EJB 2886	-	770	271	220	702	203	170	110	632	183	110	150	183	632	M8	27,00	11	4	10	4



CABLE ENTIRES THREAD SIZES (BMF)

Code	Side	1/2"	3/4"	1"	1 1/2"	2"
EJB 544	A/C	3	3	2	-	-
	B/D	2	2	2	-	-
EJB 755	A/C	4	3	3	2	-
	B/D	3	2	2	1	-
EJB 1076	A/C	6	5	4	3	3
	B/D	4	3	3	2	2
EJB 1286	A/C	7	6	5	4	3
	B/D	5	4	3	3	2
EJB 14107	A/C	8	7	6	5	4
	B/D	5	5	4	3	3
EJB 17129	A/C	10	9	8	6	5
	B/D	6	6	5	4	3
EJB 221410	A/C	12	11	10	8	6
	B/D	7	6	6	4	4
EJB 2886	A/C	15	14	12	9	7
	B/D	4	4	3	3	2



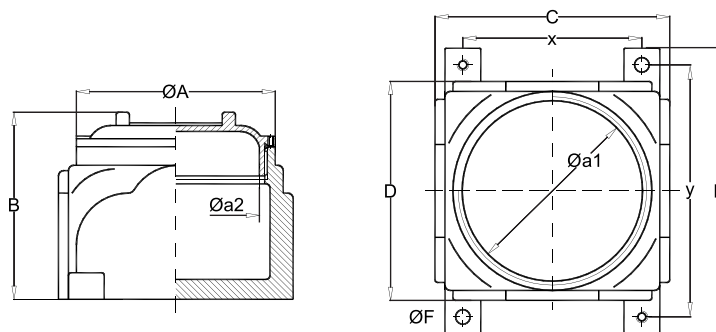
CABLE ENTIRES THREAD SIZES (PAP/PNA)

Code	Side	1/2"	3/4"	1"	1 1/2"	2"
EJB 544	A/C	3	2	2	-	-
	B/D	2	2	2	-	-
EJB 755	A/C	4	3	3	2	-
	B/D	3	2	2	1	-
EJB 1076	A/C	8	6	4	3	3
	B/D	5	4	3	2	2
EJB 1286	A/C	10	8	6	4	3
	B/D	6	5	4	3	2
EJB 14107	A/C	14	12	10	5	4
	B/D	8	7	6	3	2
EJB 17129	A/C	18	16	14	12	6
	B/D	12	10	8	8	4
EJB 221410	A/C	22	18	16	14	9
	B/D	14	12	10	8	5
EJB 2886	A/C	26	22	18	9	8
	B/D	6	5	4	3	2

EX-PROOF JUNCTION BOX / ALUMINUM BODY

GAS	II2G Ex d IIC T6 ÷ T4 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T80°C ÷ T130°C Db	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +60°C

CO.SI.ME.
EQUIPMENT FOR ATEX

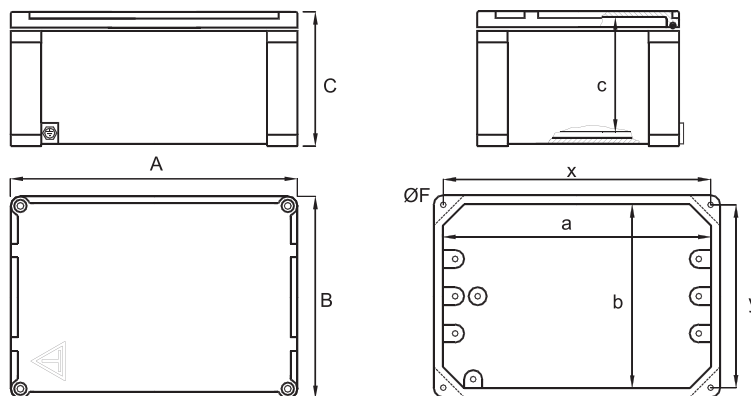


Code	ØA (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Øa1 (mm)	Øa2 (mm)	x (mm)	y (mm)	ØF (mm)	Weight (kg)
GUB 20	110	119	144	144	195	97	88	108	169	9	2,30
GUB 30	150	142	174	165	214	135	125	136	190	11	4,00
GUB 40	194	163	252	213	284	175	161	206	248	13	7,00
GUB 50B	264	185	305	280	360	240	223	265	320	13	13,40
GUB 50	264	221	305	280	360	240	223	265	320	13	15,70

EX-PROOF TERMINAL BOX / ALUMINUM BODY

GAS	II2G Ex e IIC Ex ia IIC T6 ÷ T4 Gb	IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex tb IIIC T80°C ÷ T130°C Db	IP66	❄️ -20°C ÷ ☀️ +40°C	❄️ -20°C ÷ ☀️ +80°C

CO.SI.ME.
EQUIPMENT FOR ATEX

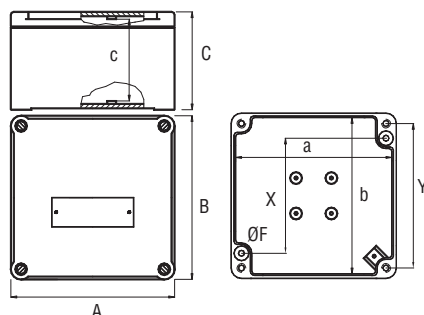


Code	A (mm)	B (mm)	C (mm)	a (mm)	b (mm)	c (mm)	x (mm)	y (mm)	ØF (mm)	Weight (kg)
AJB 1	146	146	99	130	130	75	129	129	7	2,00
AJB 2	254	180	116	238	164	93	237	162	7	3,50
AJB 3	334	244	147	318	228	113	311	223	9	6,00
AJB 4	509	309	148	393	293	128	376	325	9	8,00
AJB 5	625	305	195	597	282	156	605	285	7	11,50

EX-PROOF TERMINAL BOX / POLYESTER BODY

GAS	II2G Ex e II T6 ÷ T4	IP65	Zone 1 - Zone 21 - Zone 2 - Zone 22	
DUST	II2D Ex e (ia) IIC T80°C ÷ T130°C	IP65	❄️ -40°C ÷ ☀️ +40°C	❄️ -40°C ÷ ☀️ +80°C

CO.SI.ME.
EQUIPMENT FOR ATEX



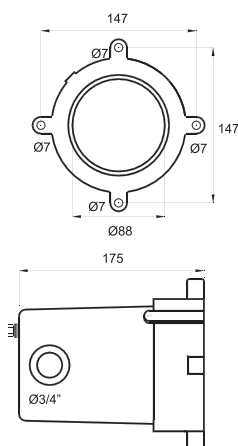
Code	A (mm)	B (mm)	C (mm)	a (mm)	b (mm)	c (mm)	x (mm)	y (mm)	ØF (mm)
GWM 99	95	95	63	87	87	44	55	80	6
GWM 1414	140	140	82	132	132	61	95	122	6
GWR 1717	175	175	120	166	166	105	123	162	7
GWR 3617	360	175	120	351	166	105	308	162	7
GWR 3636	360	360	120	351	351	105	308	346	7

EX-PROOF LIGHTING FIXTURE

GAS / DUST	II2GD Ex d IIB T4 ÷ T3
IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22

EVO-100

230V, 50 Hz, E27 base
60-100 W, cable entry 1x3/4"

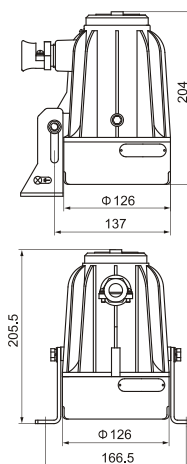


EX-PROOF LIGHTING FIX. WITH HALOJEN BULB

GAS / DUST	II2GD Ex d IIB T3 Gb
IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22

BAK 51-50

230V, 50 Hz, Halogen bulb
35-50 W, cable entry 1x3/4"

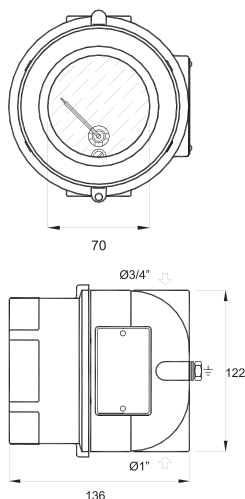


EX-PROOF AMMETER BOX

GAS / DUST	II2GD Ex d IIC T6 ÷ T5
IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22

EMHC 239P

600V, 50 Hz, 5A,
Glass Ø70
Cable entries: 1x3/4", 1x1"

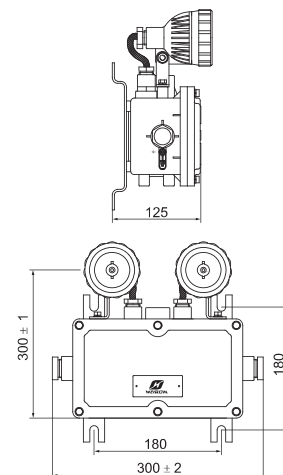


EX-PROOF EMER. LIGHT FIX. WITH HALO. LAMPS

GAS / DUST	II2GD Ex d IIB T4
IP65	Zone 1 - Zone 2

BAJ 52-20

230V, 50 Hz, halogen lamp / LED
2x10 W (Emergency lighting time: 90 min.)
Cable entries: 2x3/4", 1x1"



EX-PROOF CCTV HOUSING

GAS / DUST	II2GD Ex d IIC T6 ÷ T4
IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22

CPS2/233

Glass Ø140 mm
Epoxy paint RAL 7000
Weight of one piece 7.50 kg
Inside dimensions: 160x160x233 mm
Outside dimensions: 190x190x289 mm



EX-PROOF DEVICE HOUSING

GAS / DUST	II2GD Ex d IIC T6 ÷ T4
IP66	Zone 1 - Zone 21 - Zone 2 - Zone 22

SOB-69/155

Glass Ø106 mm, cable entry 1x2"
Epoxy paint RAL 7000
Weight of one piece 2.46 kg
Dimensions: Ø106x245 mm



SOL-26

Glass Ø68 mm, cable entries 2x3/4"
Epoxy paint RAL 7000
Weight of one piece 0.82 kg
Dimensions: Ø90x78 mm



What is Ex-Proof?

Ex-proof is an acronym of Explosion Proof, a special kind of equipment which is certified by ATEX and can be used in explosion hazardous areas.

What is ATEX?

Deriving its name from the French title of the 94/9/EC directive (Atmosphères Explosibles) ATEX consists of 2 directives describing the requirements to the equipment intended for use in environments with potentially hazardous explosive atmospheres.

The directives were adopted by the European Union in order to protect the employees working in areas with explosive atmospheres against the risks of an explosion. They came into effect in July 2003.

In the countries of the EU, all ex-proof equipment must have ATEX certificates. The directives parallel to the European 94/9/EC directive were adopted by the Ministry of Industry and Trade of Turkey on the 30th of December 2006 under the name «Requirements to Equipment and Safety Systems in Potentially Hazardous Explosive Atmospheres» and were published in the “Official Gazette of Turkey” numbered 26392.

According to these standards, all explosion-proof equipment is to be ATEX-certified. The usage of the equipment which does not meet these requirements are contradictory to the EU directives 94/9/EC and 99/92/EC, above-stated requirements to explosion-proof equipment in Turkey and the “Requirements for the Safety of Workers Potentially at Risk from Explosive Atmospheres” adopted on the 26th of December 2003 and published in the “Official Gazette of Turkey” numbered 25328. Besides, the implementation of these requirements is sought after by fire departments and insurance companies.

Note:

Explosion-proof products minimize the risks of an explosion which can be triggered by sparks coming from electrical equipment used in industrial facilities with gases, dust or flammable vapors.

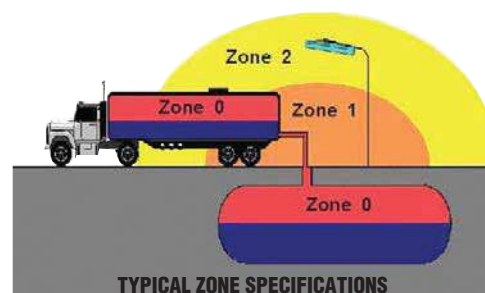
An area is considered explosion hazardous if 3 factors (flammable substance or atmosphere and a spark source which can cause an explosion) are present at the same time. In case of presence of all 3 of these factors the industrial facility must be equipped with explosion-proof products.

CLASSIFICATION OF HAZARDOUS ZONES

Zone Class	Presence of Potential Explosive Atmospheres	Safety Level of Equipment	Certification	Equipment Category according to 94/9/EC
Zone 0 Zone 20	continuous, long-term or frequent	Very high level of protection	Yes (ATEX)	Category 1
Zone 1 Zone 21	Occasional	normal operasyon ve sık meydana gelen arızalar	Yes (ATEX)	Category 2
Zone 2 Zone 22	Infrequent and short-term	Normal level of protection	Yes (ATEX)	Category 3

NOTE: Classification of hazardous locations according to gases and vapors: Zone 0, Zone 1, Zone 2

Classification of hazardous locations according to dusts: Zone 20, Zone 21, Zone 22



SYMBOLS

Symbol	Protection Type	EN STANDART	IEC STANDART
	General requirements	EN 50014	60079-0
(o)	Oil Immersion	EN 50015	60079-6
(p)	Purged and Pressured	EN 50016	60079-2
(q)	Powder Filling	EN 50017	60079-5
(d)	Flameproof Enclosures	EN 50018	60079-1
(e)	Increased Safety	EN 50019	60079-7
(i) (ia) (ib)	Intrinsically Safe	EN 50020	60079-11
(n)	Zone 2 Protection	EN 50021	60079-15
(m)	Encapsulation	EN 50028	60079-18
(i)	Intrinsic Safety	EN 50039	60079-25



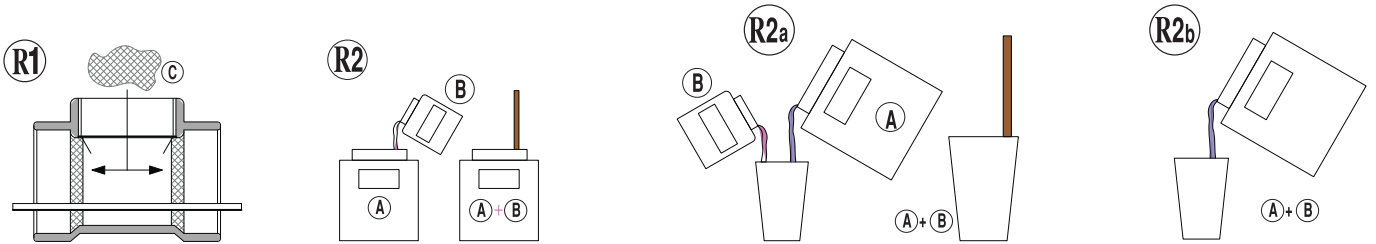
TEMPERATURE CLASSIFICATION OF GASES AND VAPORS

Temperature Class	Max. Surface Temperature of Equipment °C	Max. Surface Temperature of Equipment °F
T1	> 450 °C	842 °F
T2	300 - 450 °C	572 °F
T3	200 - 300 °C	392 °F
T4	135 - 200 °C	275 °F
T5	100 - 135 °C	212 °F
T6	85 - 100 °C	185 °F

GAS GROUPS

Areas	CENELEC / IEC EN 50014, IEC 79-0	Gas
Mining	I	METHANE
Surface Industries	IIA	PROPANE ACETONE
	IIB	ETHYLENE
	IIC	HYDROGEN ACETYLENE

COMPOUND PREPARATION INSTRUCTIONS



Picture 1: Remove the blind plug and stuff the inner space with fiber without leaving any blank spaces.

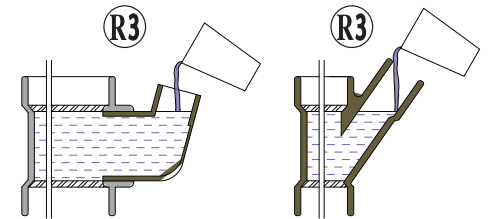
Picture 2: Mix the contents of 2 jars, pour the contents of jar B into jar A and stir it for 2 minutes.

Picture 2a: For smaller amounts of compound mix the resin A with the hardener B in the 100 A/20 B ratio.

Picture 2b: To mix a small amount of compound use a small recipient.

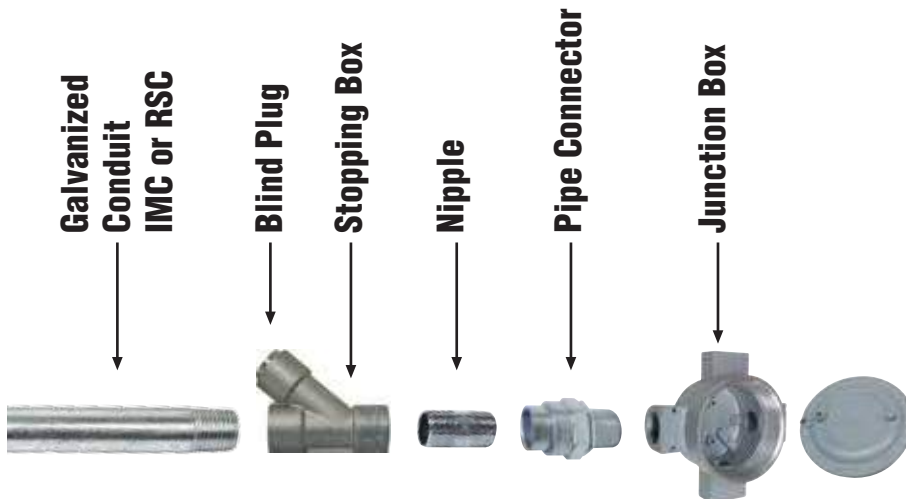
Picture 3: Fill in the stopping box with the compound up to the specified level and close it with the blind plug. The compound can be used within 15 minutes after it is mixed. Complete curing time is approximately 36 hours.

Note: Recommended mixing temperature: +10°C +20°C. Stopping boxes can be found on page 10.

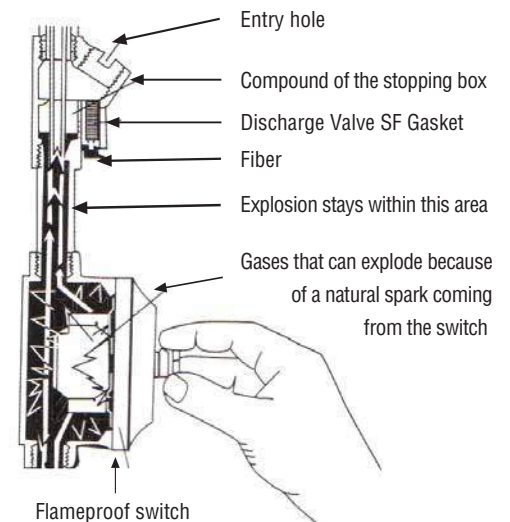


CONDUIT MOUNTING SCHEME

Installation of ex-proof piping is recommended as follows.



FITTING SEALING SCHEME



MARKING GUIDE

Ex	0031	II	2	G-D	E	Ex	d-e	IIC	T6
ATEX symbol	Certification body code	Equipment group (I – undergr. (mining), II – above ground indust.)	Zone classification (1 Zone 0, 2 Zone 1, 3 Zone 2)	Environment (G – GAS, D – DUST)	European explosion protection	Explosion-proof	Gas group (IIC Hydrogen) d: Flameproof Enclosures e: Increased Safety	Temperature class (T6 85°C)	

cable protection, carrying and ending systems & ex-proof electrical equipment

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ENGINEERING

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EN



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CE

