



ELECTRICAL STEEL CONDUIT

The strength and greater longevity and better protection of cables and wires, operation of wiring and cabling in buildings and industrial plants and factories need to feel the electrical of steel pipes, which can either flush or superficies steel piping done.

Electro arian industry, electrical steel pipes according to world standards (ASTM A500-DIN EN 10240-DIN 2394-DIN 2440) and with exclusive brands (**PIPE ARIAN**) to produse.

The pipes are produced in three types of thread (PG - NPT,BSPT - ISO METRIC) and these three types of hot galvanized (HDG) pipes and galvanized cold (CG) furnace black color (BC) is produced.

Electrical steel pipes is made of steel sheet st37 and st12 grade.

ORDERED BY CATALOG NUMBER



SPECIFICATIONS

GENERAL TYPE :

P = Pipe (conduit)

THREAD TYPE :

A = PG
B = NPT,BSPT
C = ISO METRIC

SIZE :

PG : 11 - 13.5 - 16 - 21 - 29 - 36 - 48

NPT,BSPT : 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2" - 2" - 2 1/2" - 3" - 4" - 5"

ISO METRIC : 20mm - 25mm - 32mm - 40mm - 50mm - 63mm

THICKNESS :

T (PG) = 0.8mm-0.9mm-1mm-1.25mm-1.5mm

T (NPT) = 2mm-2.5mm-3mm-4mm-5mm

T (ISO METRIC) = 1.25mm-1.5mm-2mm-2.5mm-3mm-4mm

MATERIAL TYPE :

HDG = Hot dip galvanized

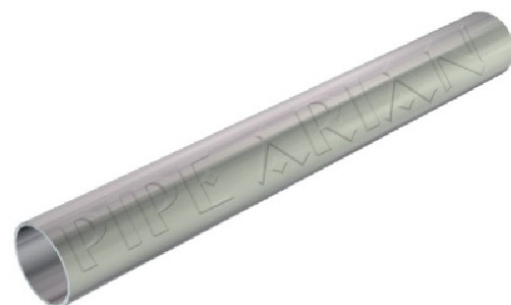
CG = Cold galvanized

BC = Black color

MATERIAL TYPE



HDG = Hot dip galvanized



CG = Cold galvanized



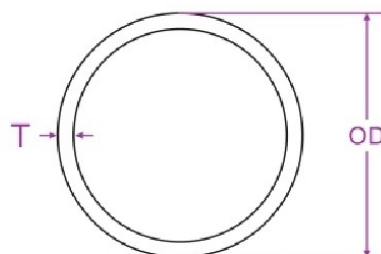
BC = Black color

1- Electrical steel conduit

NOTE :

1. (?) --> **HDG: Hot dip galvanized**
CG: Cold galvanized
BC: Black color

2.(A-B-C)--> **A: PG**
B: NPT
C: ISO METRIC



PA: (PG)

ORDER CODE	SIZE PG	T mm	OD mm	L mm
PA-11 T-?	11	0.8 - 0.9 - 1	18	3000
PA-13.5 T-?	13.5	0.8 - 0.9 - 1	20	3000
PA-16 T-?	16	0.8 - 0.9 - 1	22	3000
PA-21 T-?	21	0.9 - 1 - 1.25	28	3000
PA-29 T-?	29	1 - 1.25 - 1.5	37	3000
PA-36 T-?	36	1.25 - 1.5	47	3000
PA-48 T-?	48	1.25 - 1.5	60	3000



P(A-B-C)-S T-HDG

PB: (NPT-BSPT)

ORDER CODE	SIZE inch	T mm	OD mm	L mm
PB-1/2 T-HDG	1/2"	2	21.34	3000-6000
PB-3/4 T-HDG	3/4"	2 - 2.5	26.67	3000-6000
PB-1 T-HDG	1"	2 - 2.5	33.40	3000-6000
PB-1 1/4 T-HDG	1 1/4"	2 - 2.5	42.16	3000-6000
PB-1 1/2 T-HDG	1 1/2"	2 - 2.5	48.26	3000-6000
PB-2 T-HDG	2"	2 - 2.5	60.33	3000-6000
PB-2 1/2 T-HDG	2 1/2"	2.5	73.03	3000-6000
PB-3 T-HDG	3"	3 - 4	88.90	3000-6000
PB-4 T-HDG	4"	3 - 4	114.3	3000-6000
PB-5 T-HDG	5"	5	141.3	3000-6000



PA-S T-CG

PC: (ISO METRIC)

ORDER CODE	SIZE mm	T mm	OD mm	L mm
PC-20 T-HDG	20	1.2-1.5	20	3000-6000
PC-25 T-HDG	25	1.2-1.5	25	3000-6000
PC-32 T-HDG	32	1.2-1.5	32	3000-6000
PC-40 T-HDG	40	1.2-1.5	40	3000-6000
PC-50 T-HDG	50	1.5-2	50	3000-6000
PC-63 T-HDG	63	1.5-2	63	3000-6000
PC-75 T-HDG	75	2-2.5	75	3000-6000
PC-90 T-HDG	90	2.5-3	90	3000-6000
PC-100 T-HDG	100	3-4	100	3000-6000



PA-S T-BC

ELECTRICAL STEEL CONDUIT ACCESSORIES

PIPE ARIAN®

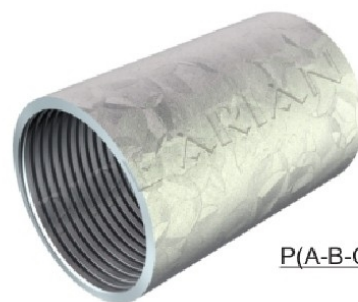
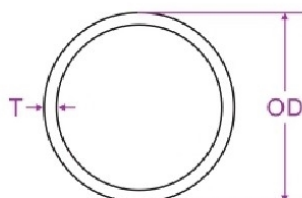
www.eai-co.com
eaindustry@yahoo.com

2- Straight connector or coupling

NOTE :

1. (?) --> **HDG: Hot dip galvanized**
CG: Cold galvanized

2. (A-B-C) --> **A: PG**
B: NPT
C: ISO METRIC



P(A-B-C)2-S-HDG

PA: (PG)

ORDER CODE	SIZE PG	T mm	OD mm	L mm
PA 2 - 11 - ?	11	1	20	30
PA 2 - 13.5 - ?	13.5	1	22	30
PA 2 - 16 - ?	16	1	24	30
PA 2 - 21 - ?	21	1	30	35
PA 2 - 29 - ?	29	1.5	40	40
PA 2 - 36 - ?	36	1.5	50	50
PA 2 - 48 - ?	48	1.5	63	60



PA2-S-CG

PB: (NPT-BSPT)

ORDER CODE	SIZE inch	T mm	OD mm	L mm
PB2-1/2 T-HDG	1/2"	2.5	25.65	30
PB2-3/4 T-HDG	3/4"	2.5	31.75	30
PB2-1 T-HDG	1"	3	39.5	40
PB2-1 1/4 T-HDG	1 1/4"	3	48	50
PB2-1 1/2 T-HDG	1 1/2"	3.5	55.3	60
PB2-2 T-HDG	2"	4	68.4	60
PB2-2 1/2 T-HDG	2 1/2"	4	81	70
PB2-3 T-HDG	3"	5	99	80
PB2-4 T-HDG	4"	5	124.4	100
PB2-5 T-HDG	5"	5.5	152.4	100



Connection Example

PC: (ISO METRIC)

ORDER CODE	SIZE mm	T mm	OD mm	L mm
PC2-20 T-HDG	20	2	24	30
PC2-25 T-HDG	25	2	29	30
PC2-32 T-HDG	32	2.5	37	40
PC2-40 T-HDG	40	2.5	45	40
PC2-50 T-HDG	50	3.5	57	50
PC2-63 T-HDG	63	3.5	70	60
PC2-75 T-HDG	75	5	85	60
PC2-90 T-HDG	90	5	100	70
PC2-100 T-HDG	100	6	112	70

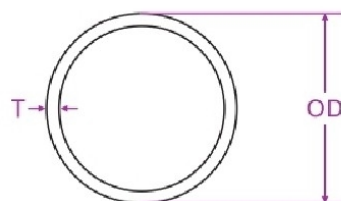


3- Steel pipe connection sleeve or fitting

NOTE :

1. (?) → HDG: Hot dip galvanized
 CG: Cold galvanized

2. (A-B-C) → A: PG
 B: NPT
 C: ISO METRIC



PA: (PG)

ORDER CODE	SIZE PG	T mm	OD mm	L mm
PA 3 - 11 - ?	11	1	20.2	60
PA 3 - 13.5 - ?	13.5	1	22.2	60
PA 3 - 16 - ?	16	1	24.2	60
PA 3 - 21 - ?	21	1.25	30.7	70
PA 3 - 29 - ?	29	1.5	40.2	75
PA 3 - 36 - ?	36	1.5	50.2	90
PA 3 - 48 - ?	48	1.5	63.2	100

PB: (NPT-BSPT)

ORDER CODE	SIZE inch	T mm	OD mm	L mm
PB3-1/2 T-HDG	1/2"	2.5	25.85	60
PB3-3/4 T-HDG	3/4"	2.5	31.95	70
PB3-1 T-HDG	1"	3	39.7	75
PB3-1 1/4 T-HDG	1 1/4"	3	48.2	90
PB3-1 1/2 T-HDG	1 1/2"	3.5	55.5	90
PB3-2 T-HDG	2"	4	68.6	100
PB3-2 1/2 T-HDG	2 1/2"	4	81.2	100

PC: (ISO METRIC)

ORDER CODE	SIZE mm	T mm	OD mm	L mm
PC3-20 T-HDG	20	1.25	23	60
PC3-25 T-HDG	25	1.25	28	60
PC3-32 T-HDG	32	1.25	35	70
PC3-40 T-HDG	40	1.5	43.5	75
PC3-50 T-HDG	50	1.5	53.5	90
PC3-63 T-HDG	63	1.5	66.5	100



Connection Example



ELECTRICAL STEEL CONDUIT ACCESSORIES

PIPE ARIAN®

www.eai-co.com
eaindustry@yahoo.com

4- Conduit bend 90°

NOTE :

1. (?) --> HDG: Hot dip galvanized

CG: Cold galvanized

BC: Black color

2.(A-B-C)--> A: PG

B: NPT

C: ISO METRIC

PA: (PG)

ORDER CODE	SIZE PG	T mm	OD mm
PA 4 - 11 - ?	11	1	18
PA 4 - 13.5 - ?	13.5	1	20
PA 4 - 16 - ?	16	1	22
PA 4 - 21 - ?	21	1.25	28
PA 4 - 29 - ?	29	1.5	37
PA 4 - 36 - ?	36	1.5	47
PA 4 - 48 - ?	48	2	60

PB: (NPT-BSPT)

ORDER CODE	SIZE inch	T mm	OD mm
PB4-1/2 T-HDG	1/2"	2	21.34
PB4-3/4 T-HDG	3/4"	2 - 2.5	26.67
PB4-1 T-HDG	1"	2 - 2.5	33.40
PB4-1 1/4 T-HDG	1 1/4"	2 - 2.5	42.16
PB4-1 1/2 T-HDG	1 1/2"	2 - 2.5	48.26
PB4-2 T-HDG	2"	2 - 2.5	60.33
PB4-2 1/2 T-HDG	2 1/2"	2.5	73.03
PB4-3 T-HDG	3"	3 - 4	88.90
PB4-4 T-HDG	4"	3 - 4	114.3
PB4-5 T-HDG	5"	5	141.3

PC: (ISO METRIC)

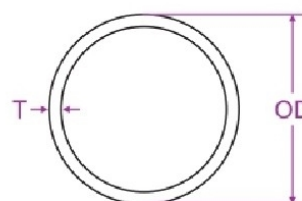
ORDER CODE	SIZE mm	T mm	OD mm
PC4-20 T-HDG	20	1.2-1.5	20
PC4-25 T-HDG	25	1.2-1.5	25
PC4-32 T-HDG	32	1.2-1.5	32
PC4-40 T-HDG	40	1.2-1.5	40
PC4-50 T-HDG	50	1.5-2	50
PC4-63 T-HDG	63	1.5-2	63
PC4-75 T-HDG	75	2-2.5	75
PC4-90 T-HDG	90	2.5-3	90
PC4-100 T-HDG	100	3-4	100



P(A-B-C)4-S T-HDG



PA4-S T-CG



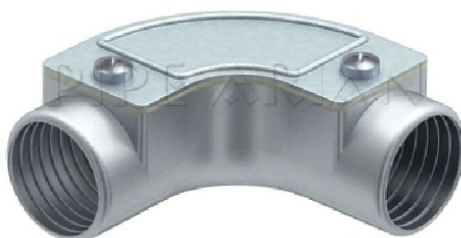
Connection Example

5- Bend 90° with cover (PG)

NOTE :

1. (AL) --> Aluminium

ORDER CODE	SIZE PG
PA5-11-AL	11
PA5-13.5-AL	13.5
PA5-16-AL	16
PA5-21-AL	21
PA5-29-AL	29



Connection Example

6- Tee shaped with cover (PG)

NOTE :

1. (AL) --> Aluminium

ORDER CODE	SIZE PG
PA6-11-AL	11
PA6-13.5-AL	13.5
PA6-16-AL	16
PA6-21-AL	21
PA6-29-AL	29



Connection Example

7- Spacer fastening clip (PG)

ORDER CODE	SIZE PG
PA 7 - 11	11
PA 7 - 13.5	13.5
PA 7 - 16	16
PA 7 - 21	21
PA 7 - 29	29
PA 7 - 36	36
PA 7 - 48	48



Connection Example

8- Galvanized clamp without stand

PB: (NPT-BSPT)

ORDER CODE	SIZE inch
PB8-1/2- ?	1/2"
PB8-3/4- ?	3/4"
PB8-1- ?	1"
PB8-1 1/4- ?	1 1/4"
PB8-1 1/2- ?	1 1/2"
PB8-2- ?	2"
PB8-2 1/2- ?	2 1/2"
PB8-3- ?	3"
PB8-4- ?	4"
PB8-5- ?	5"

PC: (ISO METRIC)

ORDER CODE	SIZE mm
PC8-20- ?	20
PC8-25- ?	25
PC8-32- ?	32
PC8-40- ?	40
PC8-50- ?	50
PC8-63- ?	63
PC8-75- ?	75
PC8-90- ?	90
PC8-100- ?	100

NOTE :

1. (?) --> HDG: Hot dip galvanized
CG: Cold galvanized

2.(B-C)--> B: NPT
C: ISO METRIC



9- Galvanized clamp with 3cm stand

PB: (NPT-BSPT)

ORDER CODE	SIZE inch
PB9-1/2- ?	1/2"
PB9-3/4- ?	3/4"
PB9-1- ?	1"
PB9-1 1/4- ?	1 1/4"
PB9-1 1/2- ?	1 1/2"
PB9-2- ?	2"
PB9-2 1/2- ?	2 1/2"
PB9-3- ?	3"
PB9-4- ?	4"
PB9-5- ?	5"

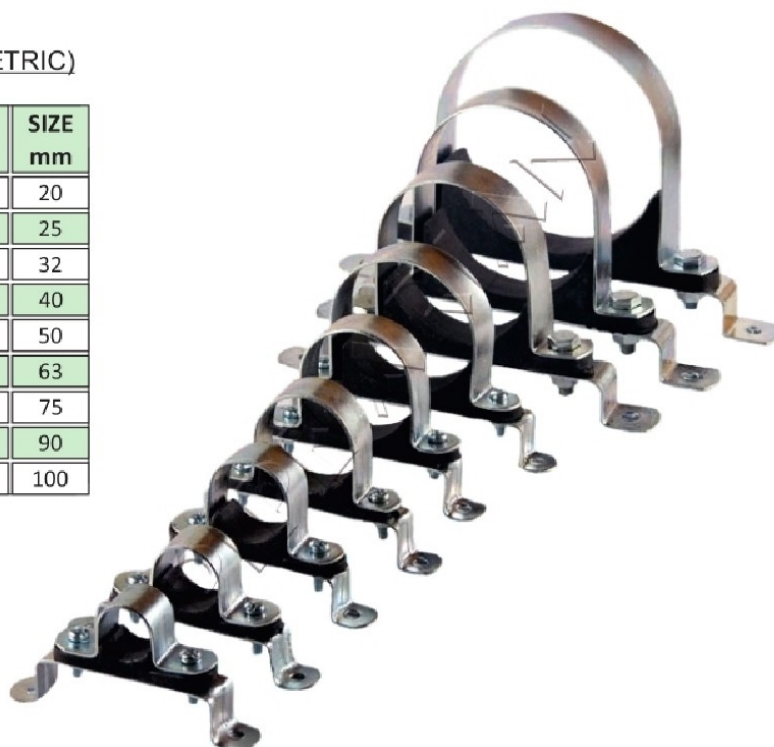
PC: (ISO METRIC)

ORDER CODE	SIZE mm
PC9-20- ?	20
PC9-25- ?	25
PC9-32- ?	32
PC9-40- ?	40
PC9-50- ?	50
PC9-63- ?	63
PC9-75- ?	75
PC9-90- ?	90
PC9-100- ?	100

NOTE :

1. (?) --> HDG: Hot dip galvanized
CG: Cold galvanized

2.(B-C)--> B: NPT
C: ISO METRIC



10- Pipe end cap (Head Bushing)

NOTE :

1. (?) --> **AL: Aluminium**
P: Plastic

2. (A-B-C) --> **A: PG**
B: NPT
C: ISO METRIC

PA: (PG)

ORDER CODE	SIZE PG
PA10-11- ?	11
PA10-13.5- ?	13.5
PA10-16- ?	16
PA10-21- ?	21
PA10-29- ?	29
PA10-36- ?	36
PA10-48- ?	48



Aluminium

PB: (NPT-BSPT)

ORDER CODE	SIZE inch
PB10-1/2- ?	1/2"
PB10-3/4- ?	3/4"
PB10-1- ?	1"
PB10-1 1/4- ?	1 1/4"
PB10-1 1/2- ?	1 1/2"
PB10-2- ?	2"
PB10-2 1/2- ?	2 1/2"
PB10-3- ?	3"
PB10-4- ?	4"
PB10-5- ?	5"



Plastic or Polyethylene

PC: (ISO METRIC)

ORDER CODE	SIZE mm
PC10-20- ?	20
PC10-25- ?	25
PC10-32- ?	32
PC10-40- ?	40
PC10-50- ?	50
PC10-63- ?	63
PC10-75- ?	75
PC10-90- ?	90
PC10-100- ?	100



Connection Example

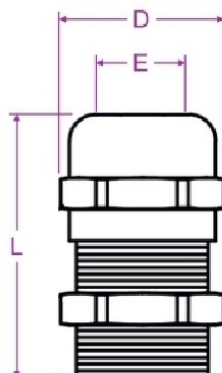
11- Cable Gland round head

IP 68

NOTE:

1. (?) --> **NB: Nickel-plated Brass**
P: Polyamide

2. (A-B-C) --> **A: PG**
B: NPT
C: ISO METRIC



PA: (PG)

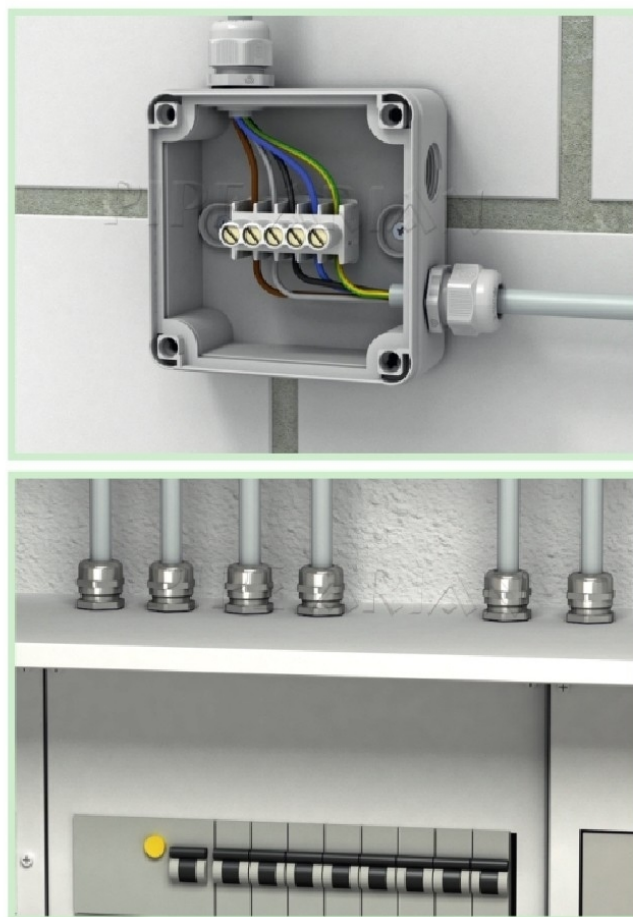
ORDER CODE	SIZE PG	D mm	E mm	L mm
PA11-11- ?	11	22	10	30
PA11-13.5- ?	13.5	25	12	31
PA11-16- ?	16	26	14	31
PA11-21- ?	21	33	18	35
PA11-29- ?	29	44	25	42
PA11-36- ?	36	55	34	48
PA11-48- ?	48	70	44	50

PB: (NPT-BSPT)

ORDER CODE	SIZE inch	D mm	E mm	L mm
PB11-1/2- ?	1/2"	25	12	30
PB11-3/4- ?	3/4"	30	18	35
PB11-1- ?	1"	40	23	40
PB11-1 1/4- ?	1 1/4"	50	28	42
PB11-1 1/2- ?	1 1/2"	55	37	48
PB11-2- ?	2"	70	45	51
PB11-2 1/2- ?	2 1/2"	85	54	55
PB11-3- ?	3"	105	70	64

PC: (ISO METRIC)

ORDER CODE	SIZE mm	D mm	E mm	L mm
PC11-20- ?	20	25	13	31
PC11-25- ?	25	30	14	31
PC11-32- ?	32	40	23	40
PC11-40- ?	40	50	28	44
PC11-50- ?	50	56	33	48
PC11-63- ?	63	70	45	52
PC11-75- ?	75	85	54	55



Connection Example

12- Cable Gland flat head

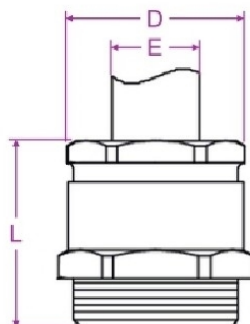
IP 54

NOTE:

1. (?) --> NB: Nickel-plated Brass

2.(A-C)--> A: PG

C: ISO METRIC



Metal-Brass

PA: (PG)

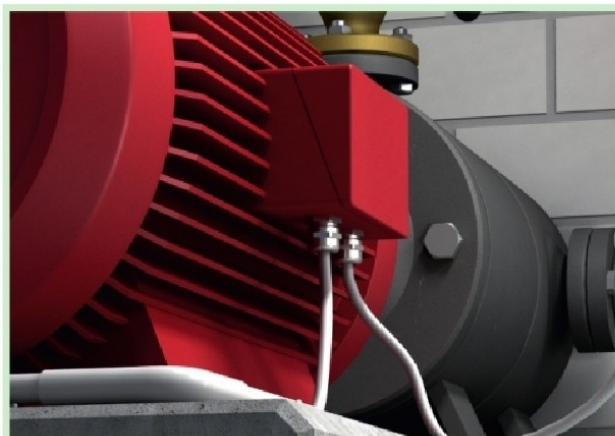
ORDER CODE	SIZE PG	D mm	E mm	L mm
PA12-11- ?	11	20	5-8	25
PA12-13.5- ?	13.5	22	6-10	25
PA12-16- ?	16	24	6-10	25
PA12-21- ?	21	30	10-16	30
PA12-29- ?	29	40	14-24	35
PA12-36- ?	36	52	28-32	40
PA12-48- ?	48	66	40-45	45

PC: (ISO METRIC)

ORDER CODE	SIZE mm	D mm	E mm	L mm
PC12-20- ?	20	24	12-14	28
PC12-25- ?	25	28	14-16	30
PC12-32- ?	32	38	20-26	32
PC12-40- ?	40	45	30-34	32
PC12-50- ?	50	55	36-42	35
PC12-63- ?	63	70	45	50
PC12-75- ?	75	90	60-66	65



Connection Example



13- Armoured Cable Gland



NOTE:

1. (?) --> **Metal-Brass BS2874 CZ121 Pb3**

2.(B-C)--> **B: NPT**

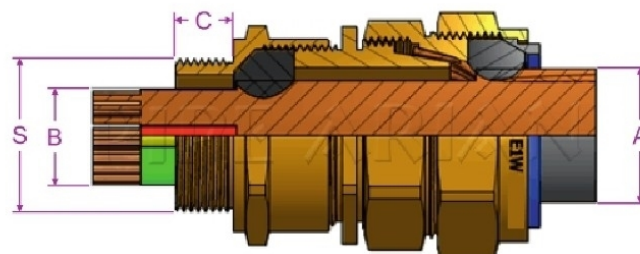
C: ISO METRIC

3. **Accessories: Matching Accessories available like PVC Shrouds, Lock Nuts, Earth Tag, Reducers, Adaptors, etc. as per the requirement.**



PB: (NPT)

ORDER CODE	SIZE inch	A mm	B mm	C mm
PB13-1/2- ?	1/2"	20.5	14	15
PB13-3/4- ?	3/4"	27.5	20.5	15
PB13-1- ?	1"	33.5	26	15
PB13-1 1/4- ?	1 1/4"	41	33	15
PB13-1 1/2- ?	1 1/2"	53	44	15
PB13-2- ?	2"	66	56	20
PB13-2 1/2- ?	2 1/2"	78	68	20
PB13-3- ?	3"	91	80	20



PC: (ISO METRIC)

ORDER CODE	SIZE mm	A mm	B mm	C mm
PC13-20- ?	20	20.5	14	15
PC13-25- ?	25	27.5	20.5	15
PC13-32- ?	32	33.5	26	15
PC13-40- ?	40	41	33	15
PC13-50- ?	50	53	44	20
PC13-63- ?	63	66	56	20
PC13-75- ?	75	78	68	20
PC13-90- ?	90	91	80	20
PC13-100- ?	100	102	90	20



14- Reducers

NOTE :

1. (?) --> MB: Metal-Brass
NB: Nickel-plated Brass

2.(A-B-C)--> A: PG
B: NPT
C: ISO METRIC

PA: (PG)

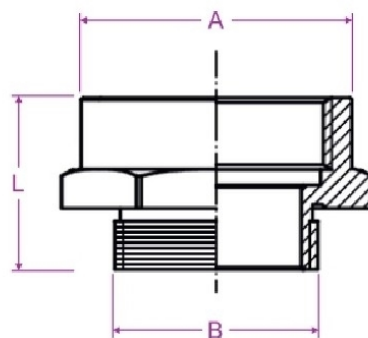
ORDER CODE	A PG	B PG	L mm
PA14-13.5-11-?	13.5	11	16
PA14-16-11-?	16	11	16
PA14-16-13.5-?	16	13.5	16
PA14-21-11-?	21	11	20
PA14-21-13.5-?	21	13.5	20
PA14-21-16-?	21	16	20
PA14-29-13.5-?	29	13.5	22
PA14-29-16-?	29	16	22
PA14-29-21-?	29	21	22
PA14-36-16-?	36	16	25
PA14-36-21-?	36	21	25
PA14-36-29-?	36	29	25
PA14-48-21-?	48	21	27
PA14-48-29-?	48	29	27
PA14-48-36-?	48	36	27

PC: (ISO METRIC)

ORDER CODE	A mm	B mm	L mm
PC14-25-20-?	25	20	20
PC14-32-20-?	32	20	23
PC14-32-25-?	32	25	23
PC14-40-20-?	40	20	23
PC14-40-25-?	40	25	23
PC14-40-32-?	40	32	27
PC14-50-25-?	50	25	27
PC14-50-32-?	50	32	27
PC14-50-40-?	50	40	27
PC14-63-32-?	63	32	27
PC14-63-40-?	63	40	27
PC14-63-50-?	63	50	27
PC14-75-40-?	75	40	30
PC14-75-50-?	75	50	30
PC14-75-63-?	75	63	30



Nickel-plated Brass



PB: (NPT)

ORDER CODE	A inch	B inch	L mm
PB14-3/4-1/2-?	3/4"	1/2"	20
PB14-1-1/2-?	1"	1/2"	23
PB14-1-3/4-?	1"	3/4"	23
PB14-1 1/4-1/2-?	1 1/4"	1/2"	23
PB14-1 1/4-3/4-?	1 1/4"	3/4"	23
PB14-1 1/4-1-?	1 1/4"	1"	23
PB14-1 1/2-3/4-?	1 1/2"	3/4"	27
PB14-1 1/2-1-?	1 1/2"	1"	27
PB14-1 1/2-1 1/4-?	1 1/2"	1 1/4"	27
PB14-2-1-?	2"	1"	27
PB14-2-1 1/4-?	2"	1 1/4"	27
PB14-2-1 1/2-?	2"	1 1/2"	27
PB14-2 1/2-1 1/4-?	2 1/2"	1 1/4"	30
PB14-2 1/2-1 1/2-?	2 1/2"	1 1/2"	30
PB14-2 1/2-2-?	2 1/2"	2"	30
PB14-3-1 1/2-?	3"	1 1/2"	30
PB14-3-2-?	3"	2"	30
PB14-3-2 1/2-?	3"	2 1/2"	30



Metal-Brass



15- Pressure screw (brass bushing)

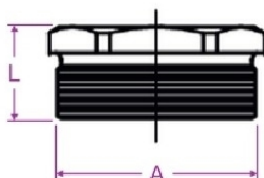
NOTE :

1. (?) --> **MB: Metal-Brass**
NB: Nickel-plated Brass

2. (A) --> **A: PG**

PA: (PG)

ORDER CODE	A PG	L mm
PA15-11- ?	11	15-20
PA15-13.5- ?	13.5	15-20
PA15-16- ?	16	15-20
PA15-21- ?	21	15-20
PA15-29- ?	29	15-20
PA15-36- ?	36	15-20
PA15-48- ?	48	15-20

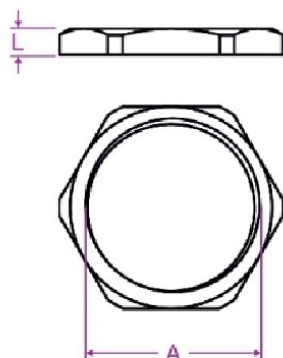


Nickel-plated Brass



Metal-Brass

16- Locknut



NOTE :

1. (?) --> **MB: Metal-Brass**
NB: Nickel-plated Brass

2. (A-B-C) --> **A: PG**
B: NPT
C: ISO METRIC

PA: (PG)

ORDER CODE	A PG	L mm
PA16-11- ?	11	3.5
PA16-13.5- ?	13.5	3.5
PA16-16- ?	16	3.5
PA16-21- ?	21	3.5
PA16-29- ?	29	4
PA16-36- ?	36	5
PA16-48- ?	48	5



Metal-Brass



Nickel-plated Brass

PB: (NPT)

ORDER CODE	A inch	L mm
PB16-1/2- ?	1/2"	3.5
PB16-3/4- ?	3/4"	4
PB16-1- ?	1"	4
PB16-1 1/4- ?	1 1/4"	4.5
PB16-1 1/2- ?	1 1/2"	4.5
PB16-2- ?	2"	5
PB16-2 1/2- ?	2 1/2"	5.5
PB16-3- ?	3"	6

PC: (ISO METRIC)

ORDER CODE	A mm	L mm
PC16-20- ?	20	3
PC16-25- ?	25	3
PC16-32- ?	32	3.5
PC16-40- ?	40	3.5
PC16-50- ?	50	4.5
PC16-63- ?	63	5.5
PC16-75- ?	75	6
PC16-90- ?	90	6.5
PC16-100- ?	100	7

17- Condulets

NOTE :

1. (?) --> **C: Clear-Straight**
LB: Leaning Back
LR: Leaning Right
LL: Leaning Left
T: Triode
X: Intersection

2.(A-B-C)--> **A: PG**
B: NPT
C: ISO METRIC

3.Material: **Aluminium**

PA: (PG)

ORDER CODE	SIZE PG
PA17-11-?	11
PA17-13.5-?	13.5
PA17-16-?	16
PA17-21-?	21
PA17-29-?	29
PA17-36-?	36
PA17-48-?	48



C



LB



LR



LL

PB: (NPT-BSPT)

ORDER CODE	SIZE inch
PB17-1/2-?	1/2"
PB17-3/4-?	3/4"
PB17-1-?	1"
PB17-1 1/4-?	1 1/4"
PB17-1 1/2-?	1 1/2"
PB17-2-?	2"
PB17-2 1/2-?	2 1/2"
PB17-3-?	3"
PB17-4-?	4"
PB17-5-?	5"



T



X

PC: (ISO METRIC)

ORDER CODE	SIZE mm
PC17-20-?	20
PC17-25-?	25
PC17-32-?	32
PC17-40-?	40
PC17-50-?	50
PC17-63-?	63



Connection Example

ARSINI®

