



CONNECTORS



CABLE GLAND

Description:

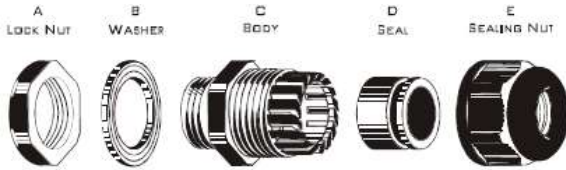
The Cable Gland connectors are used to connect and secure the end of a cable to the equipment, providing protection against voltage and removed the water entering the equipment.

Material: Nylon PA66, UL 94

Thread: Metrica, PG, G, NPT

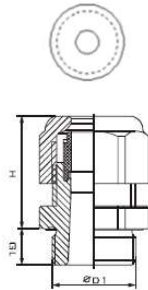
Temperature: -40°C a 100°C in static state and -20°C a 80°C in dynamic state.

Color: Gray, black and other colors on request



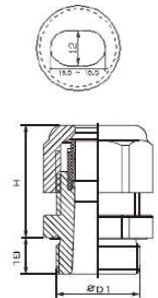
120 V

Thread	mm	H mm	GL mm	mm
M 12 x 1.5	3-6, 5	21	8	15
M 12 x 1.5	2-5	21	8	15
M 16 x 1.5	4-8	22	8	19
M 16 x 1.5	2-6	22	8	19
M 16 x 1.5	5-10	25	8	22
M 20 x 1.5	6-12	27	9	24
M 20 x 1.5	5-9	27	9	24
M 20 x 1.5	10-14	28	9	27
M 25 x 1.5	13-18	31	11	33
M 25 x 1.5	9-16	31	11	33
M 32 x 1.5	18-25	39	11	42
M 32 x 1.5	13-20	39	11	42
M 40 x 1.5	22-32	48	13	53
M 40 x 1.5	20-26	48	13	53



240 V

Thread	mm	H mm	GL mm	mm
3/8"	4-8	22	15	22/19
3/8"	2-6	22	15	22/19
1/2"	6-12	27	13	24
1/2"	5-9	27	13	24
1/2"	10-14	28	13	27
1/2"	7-12	28	13	27
3/4"	13-18	31	14	33
3/4"	9-16	31	14	33
1"	18-25	39	19	42
1"	13-20	39	19	42
1 1/4"	18-25	39	16	46/42
1 1/4"	13-20	39	16	46/42
1 1/2"	22-32	48	20	53
1 1/2"	20-26	48	20	53



STIRRUP CONNECTOR

Description:

Used for connection with stirrups and hot connections. .

Material: Copper

Hardware: Copper

Derivation: 6 - 4/0 AWG

Operation range: de 4 - 1/0 AWG; 2/0 - 4/0 AWG

Measures: bimetallic 1-0

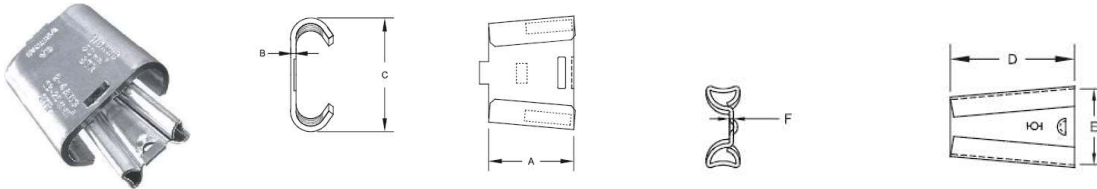


ELASTIC WEDGE CONNECTOR

Description:

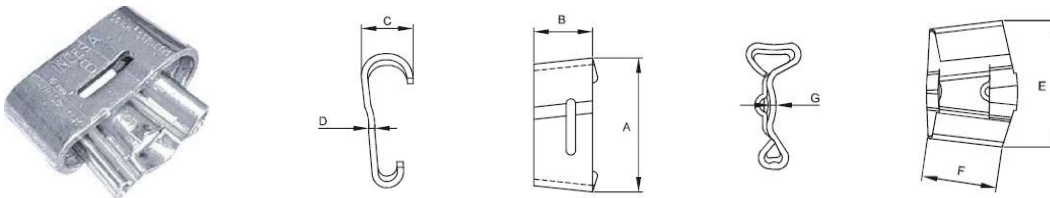
The system consists of the wedge aluminum alloy connectors with or without stirrups and installation tools and applicators. The connector consists of a rigid wedge and elastic body made of aluminum alloy high electrical conductivity. They are installed and removed easily and safely with tools and applicators installation.

SYMMETRICAL



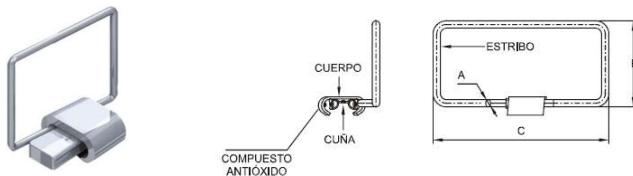
Sum of diameter		Principal diameter		Derivation diameter		CCRL				Dimensions (mm)							
Min	Max	Min	Max	Min	Max	Type	Color	Reference				A	B	C	D	E	F
								NBR 5370	Cover	ANSI C.119.4	Cover						
11,19	14,01	3,17	8,12	3,17	7,42	I	Gris	93001-6	93051-2	93111-0	93131-4	32,0	2,2	33,5	32,0	17,6	1,0
9,51	11,18	3,17	8,12	3,17	5,21	II	Verde	93002-4	93052-0	93112-8	93132-2	19,0	2,2	29,8	18,8	17,2	1,0
7,68	9,50	2,54	6,55	1,27	4,65	III	Rojo	93003-2	93053-9	93113-6	93133-0	19,0	1,2	25,5	20,1	17,0	0,7
6,21	7,67	2,54	6,55	1,27	4,65	IV	Azul	93004-0	93054-7	93114-4	93134-9	19,0	1,2	24,0	20,1	17,0	0,7
4,70	6,20	2,54	4,93	1,27	4,65	V	Amarillo	93005-9	93055-5	93115-2	93135-7	19,0	1,2	22,1	20,1	17,0	0,7

ASYMMETRIC



Sum of diameter		Principal diameter		Derivation diameter		CCRL				Dimensions (mm)						
Min	Max	Min	Max	Min	Max	Type	Color	Reference		A	B	C	D	E	F	G
								NBR 5370	ANSI C.119.4							
9,1	10,95	5,6	9,36	1,74	5,1	A	Violeta	93012-2	93121-7	39,8	19,0	14,6	2,2	27,5	18,0	1,0
10,95	13,11	6,2	9,36	1,74	5,1	B	Naranja	93011-3	93122-5	42,2	19,2	15,5	2,2	27,5	18,0	1,0
13,11	14,75	8,2	12,74	1,74	5,1	C	Marrón	93010-5	93123-8	43,0	19,2	17,3	2,2	27,5	18,0	1,0
14,75	17,0	9,5	12,74	1,74	5,1	D	Blanco	93013-0	93124-1	45,0	19,2	18,0	2,2	27,5	18,0	1,0

SYMMETRICAL WITH ALUMINUM STEP



Type	Application			Dimensions (mm)		
	Principal (AWG)		Step (AWG)	A	B	C
	Min	Max				
I	6 cu	2 CAA	2	6,35	76,5	156,5
VII	1/0 CA	2 CAA	2			

INSULATION PIERCING CONNECTOR

Description:

Insulation Piercing connectors are ideal for carrying derivations preassembled or concentric conductors either copper or aluminum provided. They are manufactured in different models to cover all ranges usual isolated lines.

Models	Capacity			
	Principal (Al/Cu)		Derivative (Al/Cu)	
	mm2	AWG	mm2	AWG
DCNL-1D	25 - 95	3 - 4/0	1,5 / 10	16 - 7
DCNL-4D	50 - 150	1/0 - 300	4 / 35	12 - 2
DCNL-1E	10 / 120	7 - 4/0	1,5 / 10	16 - 7
DCNL-2E	16 / 95	5 - 4/0	4 / 35	12 - 2
DCNL-3E	25 / 120	3 - 250	25 / 120	3 - 250
	50 / 240	1/0 - 500	50 / 120	1/0 - 250
DCNL-4E	50 / 150	1/0 - 300	4 / 35	12 - 2
DCNL-5E	35 / 150	2 - 300	35 / 150	2 - 300
	185 / 240	350 - 500	50 / 150	1/0 - 300



RETENTION CLAMPS

Description:

Clamps cable retention guard (lightning rod) are used in copper power conductors. Produce magnetic induction heating.

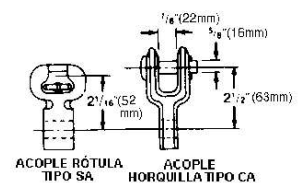
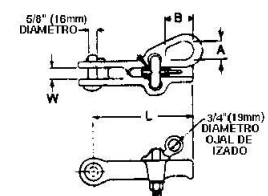
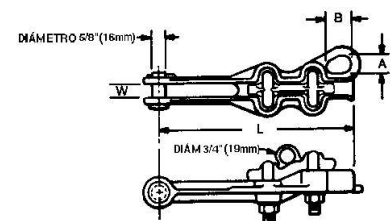
Material:

Body and bra – malleable cast iron, galvanized

Hardware – galvanized steel

Orbita (kneecap) and fork – malleable iron galvanized

Cotter – stainless steel # 302



Coupling		Rank of conductors	Nominal Breaking Load (Kg)	Bridge		Diameter Inche (mm)			Weight Approx. Unitary Pounds (Kg)
Type	Catalog number			Qty	Diameter Inches (mm)	L	W	A x B	
Without Ball Joint Fork		0,16-0,40 (4,06-10,16)	5.000 (2.268)	1	1/2 (12.70)	6 3/16 (157.16)	13/16 (20.6)	7/8 x 1 1/4 (22.2 x 31.18)	2,1 (.95) 3,4 (1,54) 3,7 (1,68)
Without Ball Joint Fork		0,18-0,46 (4,57-11,68)	6.000 (2.722)	2	3/8 (9.53)	7 1/2 (190.5)	3/4 (19.05)	7/8 x 1 1/4 (22.2 x 31.18)	2,5 (1,13) 3,8 (1,72) 4,1 (1,86)
Without Ball Joint Fork		0,36-0,60 (9,14-15,24)	8.000 (3.629)	2	1/2 (12.70)	8 15/16 (227.01)	3/4 (19.05)	7/8 x 1 1/4 (22.2 x 31.18)	3,8 (1,72) 5,0 (2,27) 5,4 (2,45)
Without		0,46-0,86 (11,68-21,84)	10.000 (4.536)	2	1/2 (12.70)	9 1/4 (234.95)	3/4 (19.05)	1 x 1 7/16 (25.4 x 36.5)	3,8 (1,72)
Without		0,65-1,25 (16,51-31,75)	10.000 (4.536)	2	1/2 (12.70)	11 (279.40)	3/4 (19.05)	1 x 1 13/16 (25.4 x 36.5)	5,5 (2,49)
Without		0,86-1,55 (21,84-39,37)	10.000 (4.536)	2	3/8 (9.53)	12.5 (317.50)	3/4 (19.05)	1 1/18 x 1/8 (27.0 x 54.0)	7,9 (3,58)

WALL STAPLES

Description:

For round cables, with steel nail.

Color:

White, black, gray



UNION CONNECTOR

Description:

Union connectors in tinned copper is used to splicing air line Minimum voltage. They come standard length and length heavy duty.

STANDARD

Dimensions inches (mm)		Unit weight approx. pounds (kg)	Inside Diameter inches (mm)
L	D		
1 3/4 (44,45)	13/16 (20,64)	0,020(0,01)	0,198(5,03)
1 3/4 (44,45)	13/16 (20,64)	0,026(0,01)	0,246(6,25)
1 7/8 (47,62)	7/8 (22,22)	0,04(0,018)	0,306(7,77)
2 (50,8)	15/16 (23,81)	0,065(0,029)	0,443(11,25)
2 1/8 (53,98)	1 (25,4)	0,094(0,042)	0,490(12,45)
2 1/4 (53,98)	1 1/16 (26,97)	0,12(0,054)	0,595(15,11)
2 3/8 (53,98)	1 1/8 (28,58)	0,17(0,077)	0,700(17,78)
2 1/2 (63,5)	1 3/16 (30,16)	0,31(0,14)	0,762(19,35)

HEAVY SERVICE

Dimensions inches (mm)		Unit weight approx. pounds (kg)	Inside Diameter inches (mm)
L	D		
2 3/8 (60,32)	1 1/8 (28,58)	0,03(0,01)	0,198(5,03)
2 3/8 (60,32)	1 1/8 (28,58)	0,03(0,01)	0,246(6,25)
2 7/8 (73,02)	1 3/8 (34,92)	0,06(0,027)	0,358(9,09)
3 1/8 (79,38)	1 1/2 (38,1)	0,09(0,04)	0,443(11,25)
3 3/8 (85,72)	1 5/8 (41,28)	0,15(0,068)	0,547(13,89)
4 1/8 (104,78)	2 (50,8)	0,25(0,11)	0,650(16,51)
4 3/8 (111,12)	2 1/8 (53,98)	0,37(0,17)	0,762(19,35)
5 1/2 (139,7)	2 11/16 (68,26)	0,78(0,35)	0,923(23,44)

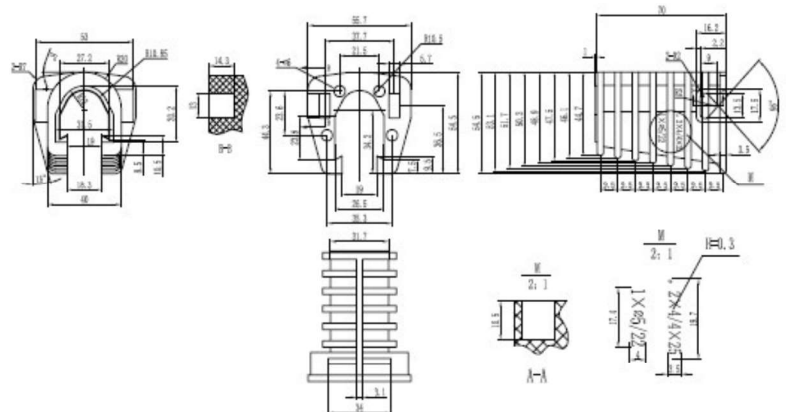


HOLD CLAMPS

Description:

Hold clips, they are suitable for retention beams preassembled and concentric conductors, and is capable of supporting up to 200 kg efforts. Its design allows the self-adjusting retaining wire bundles up to a diameter of 22 mm., Allowing driver shifts up to 15 degrees.

For Conductors	Workload daN
To diameter 12 mm (o 2x4 -/25 mm2)	40/120
To diameter 22 mm	40/120
To diameter 22 mm stainless steel fork .	40/120



FLAT PLATE TERMINALS FOR TRANSFORMER

Description:

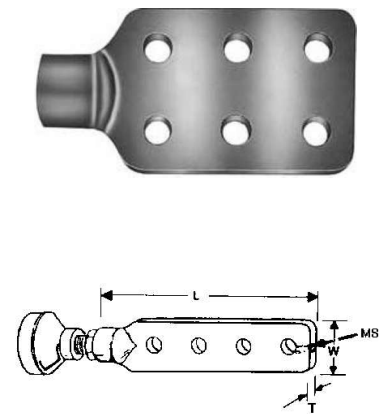
They are secured by a locknut to the insulator stud. Suitable for connecting copper terminals (for aluminum terminals use Type "AXS"). The holes for the terminals are 9/16" diameter and the distance between holes is 1-3/4" per NEMA standard. Lock nuts are usually provided by the transformer manufacturer. Therefore, they are not supplied with the terminal unless otherwise specified.

Material:

Model BXS body: bronze alloy, tin plated.

Model AXS body: aluminum alloy, tin plated

Insulator Bolt Thread Measurement	General Description and Applications	Approximate Dimensions Inches (mm)			Weight Approx. every 100 Pieces Pounds (kg)
		Length	Width	Height	
5/8"-11	2 Holes In Line NEMA Spacing for Use with 1 Hole Terminals	5,12 (130)	1,37 (35)	0,31 (8)	70 (32)
1"-11		5,06 (129)	1,93 (49)	0,34 (9)	142 (64)
5/8"-11	4 Holes In Line NEMA Spacing for Use with 1 Hole Terminals	8,50 (216)	1,37 (35)	0,31 (8)	120 (54)
1"-14		8,56 (218)	1,93 (49)	0,34 (9)	215 (98)
5/8"-11		8,50 (216)	1,37 (35)	0,31 (8)	36 (16)
1"-14		8,56 (218)	2,00 (50)	0,34 (9)	65 (29)
5/8"-11	2 Hole Sets NEMA Spacing for Use with up to 4 2 Hole Terminals	5,37 (136)	3,50 (89)	0,25 (6)	132 (60)
1"-14		5,87 (149)	3,50 (89)	0,37 (9)	260 (118)
5/8"-11		5,37 (136)	3,50 (89)	0,25 (6)	39 (18)
5/8"-11	3 Hole Sets NEMA Spacing for Use with up to 6 2 Hole Terminals	6,62 (168)	3,50 (89)	0,37 (9)	256 (116)
1"-14		7,00 (178)	3,50 (89)	0,37 (9)	315 (143)
1"-14		7,00 (178)	3,50 (89)	0,37 (9)	94 (430)
5/8"-11	4 Hole Sets NEMA Spacing for Use with up to 8 2 Hole Terminals	8,37 (213)	3,50 (89)	0,37 (9)	330 (150)
1"-14		8,75 (222)	3,50 (89)	0,37 (9)	362 (164)



TINNED COPPER COMPRESSION TERMINALS (PLATE)

Description:

Tinned copper compression terminals made of high conductivity electrolytic copper with an inspection window to ensure complete insertion of the conductor at the time of installation.

Technical characteristics:

Voltage: 500 V

Frequency: 50/60 Hz

Max. use temperature: 125 C

Conductivity: 99.9%

Surface finish: tinned

K (MM)	D (MM)	B (MM)	L (MM)
13,2	7,2	18,5	44,7
13,2	8,5	19,8	47,4
13,2	9,5	19,8	50,9
17	9,5	22,4	55,9
13,2	11,3	22,4	52,4
17	11,3	22,4	57,4
13,2	13,4	25	58,4
17	13,4	25	63,4
13,2	15,9	29	61,4
17	15,9	29	66,4

