

# Quality System & Product Certificates



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## PARALLEL GROOVE CLAMP



### Description

Designed to connect two parallel bare conductors. Conductors can be aluminum alloy or aluminum steel reinforced.

### Material

Connector bodies made of corrosion resistant, high strength aluminum alloy 99.5  
 Bolts: DIN 933, steel 8.8, dacromet; Nut: DIN934, dacromet, pressed into lower part  
 Pressure pad: aluminum alloy; Spring washer: DIN127, steel  
 Conical washer/Spring washers: Steel, DIN6796 corrosion-protected, dacromet  
 Stainless steel A2 bolts and nuts available according to order.

### Features

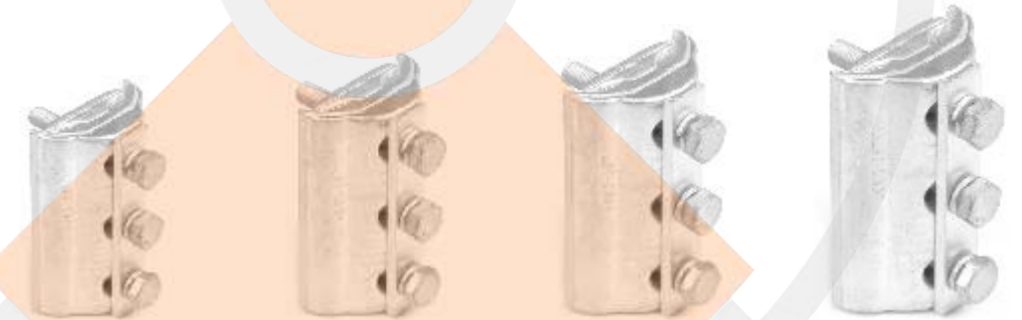
Pressure pad ensuring uniform pressure along the clamp  
 Cross-grooved clamp channels of universal clamp type  
 improve mechanical pullout strength and electrical contact.

### PG660 SERIES



Models	PG660-11	PG660-12	PG660-22	PG660-23	PG660-24
Main Line(mm <sup>2</sup> )	16-70	16-150	16-70	16-150	25-185
Service Line (mm <sup>2</sup> )	16-70	16-150	16-70	16-150	25-185
Bolt No.	1	1	2	2	2
Remarks	Al to Al	Al to Al	Al to Al	Al to Al	Al to Al

### PG660 SERIES



Models	PG660-31	PG660-32	PG660-33	PG660-34
Main Line(mm <sup>2</sup> )	16-70	16-150	25-240	35-300
Service Line (mm <sup>2</sup> )	16-70	16-150	25-240	35-300
Bolt No.	3	3	3	3
Remarks	Al to Al	Al to Al	Al to Al	Al to Al



PG571 SERIES



Models	PG571-0*	PG571-0A*	PG571-1A*	PG571-2A*	PG571-1B*	PG571-2B*
Main Line(mm <sup>2</sup> )	6-70	16-70	16-120	50-240	16-120	50-240
Service Line (mm <sup>2</sup> )	6-70	16-70	16-120	50-240	16-120	50-240
Bolt No.	1	2	2	2	3	3
Remarks	Al to Al	Al to Al	Al to Al	Al to Al	Al to Al	Al to Al

\*Add "SN" mean aluminum tinned

JB SERIES



Models	JB-0	JB-1	JB-2	JB-3	JB-4
Main Line(mm <sup>2</sup> )	16-25	35-50	70-95	120-150	185-240
Service Line (mm <sup>2</sup> )	16-25	35-50	70-95	120-150	185-240
Bolt No.	2	2	3	3	3
Remarks	Al to Al	Al to Al	Al to Al	Al to Al	Al to Al

PG010 SERIES



Models	PG010-1A	PG010-2A	PG010-1B	PG010-2B
Main Line(mm <sup>2</sup> )	16-120	50-240	16-120	50-240
Service Line (mm <sup>2</sup> )	16-120	50-240	16-120	50-240
Bolt No.	2	2	3	3
Remarks	Al to Al	Al to Al	Al to Al	Al to Al



Description

Designed to connect two parallel bare conductors. Conductors can be aluminum alloy or aluminum steel reinforced for main and copper for tap side.

Material

Connector bodies made of corrosion resistant, high strength aluminum alloy 99.5 with hot forged bimetallic sheet.  
 Bolts: DIN 933, steel 8.8, dacromet; Nut: DIN934, dacromet, pressed into lower part  
 Pressure pad: aluminum alloy; Spring washer: DIN127, steel.  
 Conical washer/Spring washers: Steel, DIN6796 corrosion-protected, dacromet  
 Stainless steel A2 bolts and nuts available according to order.

Features

Pressure pad ensuring uniform pressure along the clamp.  
 Cross-grooved clamp channels of universal clamp type improve mechanical pullout strength and electrical contact.

PG661 SERIES



Models	PG661-11	PG661-12	PG661-21	PG661-22	PG661-23
Main Line(mm <sup>2</sup> )	Al 16-70	AL 25-150	Al 16-70	Al 25-150	Al 35-200
Service Line (mm <sup>2</sup> )	Cu 6-50	Cu 10-95	Cu 6-50	Cu 10-95	Cu 25-185
Bolt No.	1	1	2	2	2
Remarks	Al to Cu	Al to Cu	Al to Cu	Al to Cu	Al to Cu

PG661 SERIES



Models	PG661-31	PG661-32	PG661-33	PG661-34
Main Line(mm <sup>2</sup> )	Al 16-70	AL 25-150	Al 35-240	Al 35-300
Service Line (mm <sup>2</sup> )	Cu 6-50	Cu 10-95	Cu 25-185	Cu 35-240
Bolt No.	3	3	3	3
Remarks	Al to Cu	Al to Cu	Al to Cu	Al to Cu



# PARALLEL GROOVE CLAMP



## PG010 SERIES



Models	PG010-1A(CA)	PG010-2A(CA)	PG010-1B(CA)	PG010-2B(CA)
Main Line(mm <sup>2</sup> )	Al 10-120	Al 50-240	Al 10-120	Al 50-240
Service Line (mm <sup>2</sup> )	Cu 10-120	Cu 50-240	Cu 10-120	Cu 50-240
Bolt No.	2	2	3	3
Remarks	Al to Cu	Al to Cu	Al to Cu	Al to Cu

## PG480 SERIES



Models	PG480-0	PG480-1A	PG480-1B	PG480-2B
Main Line(mm <sup>2</sup> )	6-50	16-50	16-50	16-120
Service Line (mm <sup>2</sup> )	2.5-10	2.5-10	2.5-10	6-35
Bolt No.	1	2	3	3
Remarks	Al to Cu	Al to Cu	Al to Cu	Al to Cu

## JBL SERIES



Models	JBL-16-120A	JBL-120-400A	JBL-16-120B	JBL-120-400B
Main Line(mm <sup>2</sup> )	16-120	120-400	16-120	120-400
Service Line (mm <sup>2</sup> )	16-120	120-400	16-120	120-400
Bolt No.	2	2	3	3
Remarks	Al to Cu	Al to Cu	Al to Cu	Al to Cu

## JBT SERIES



Models	JBT-10-70*	JBT-10-70A*	JBT-16-120A*	JBT-50-240A*
Main Line(mm <sup>2</sup> )	10-70	10-70	16-120	50-240
Service Line (mm <sup>2</sup> )	10-70	10-70	16-120	50-240
Bolt No.	1	2	2	2
Remarks	Al to Cu	Al to Cu	Al to Cu	Al to Cu

\*Add "SN" mean aluminum tinned

# LINE TAP CONNECTOR & WEDGE CONNECTOR



## LINE TAP CONNECTOR

### Description

For connecting AAC, AAAC conductor

### Material

Aluminum Alloy, Natural & clean



Models	CRV-1	CRV-2
Cable Size(mm <sup>2</sup> )	35-75	50-100
Bolt No.	1	1

## WEDGE CONNECTOR

### Description

Wedge connector and Wedge connector with Stirrups (grounding ring) are used to connect solid and stranded aluminum, aluminum alloy and stranded aluminum composite conductors including AAC, AAAC, ACSR, ACAR, AW, ACSR/AW, ACSS, and Cu.

### Material

Aluminum Alloy, Grease



### Features

Both comply with ANSI C119.4 2003 Standard, Class AA

Hardness: HRF88-90

Machine standard: GB/T 2317.3-2000, DL/T 765.2-2004

## WEDGE CONNECTOR COVER

### Description

For protection of Wedge connector



### Material

Anti UV Plastic, Rubber

Plastic cover for your choose: JXL12 for CRC-1 and CRC-2, JXL34 for CRC-3 and CRC-4

Rubber cover for your choose: JXL12 for CRC-1 and CRC-2, JXL34 for CRC-3 and CRC-4

\*If want to 100% sealing, should use together with Magic gel

### WEDGE CONNECTOR SELECTION TABLE FOR ALUMINUM ALLOY CONDUCTOR AAAC

Cross Section	Type of Cable	Overall Diameter (mm)																						
Type of Cable	AWG	mm <sup>2</sup>	15.5	19.6	24.7	31.1	39.3	49.5	62.5	78.6	99.2	125.1	161.1	202.7	253.3	312.8	384.5	477.5	595.5					
Akron	30.6	48.7	63.4	77.5	105.6	123.3	133.1	155.4	167.8	195.7	211.6	246.9	250	300	312.8	350	394.5	400	450	465.4	500	550	595.5	
Alton	48.7	24.7	34.6	39.3	53.5	62.5	67.5	78.6	85	99.2	107.3	125.1	126.7	152.1	155.5	177.3	199.9	202.7	228	235.8	253.3	278.6	283.5	
63.36MCM	63.4	33.6	39.3	44.0	53.5	62.5	67.5	78.6	85	99.2	107.3	125.1	126.7	152.1	155.5	177.3	199.9	202.7	228	235.8	253.3	278.6	283.5	
Ames	77.5	39.3	44.0	49.5	53.5	62.5	67.5	78.6	85	99.2	107.3	125.1	126.7	152.1	155.5	177.3	199.9	202.7	228	235.8	253.3	278.6	283.5	
105.6MCM	105.6	53.5	59.0	64.5	68.5	78.6	85	99.2	107.3	125.1	133.1	155.4	167.8	195.7	211.6	246.9	250	300	312.8	350	394.5	400	450	465.4
Azusa	123.3	62.5	67.5	78.6	85	99.2	107.3	125.1	133.1	155.4	167.8	195.7	211.6	246.9	250	300	312.8	350	394.5	400	450	465.4	500	550
133.1MCM	133.1	67.5	78.6	85	99.2	107.3	125.1	133.1	155.4	167.8	195.7	211.6	246.9	250	300	312.8	350	394.5	400	450	465.4	500	550	595.5
Anaheim	155.4	78.6	85	99.2	107.3	125.1	133.1	155.4	167.8	195.7	211.6	246.9	250	300	312.8	350	394.5	400	450	465.4	500	550	595.5	
167.8MCM	167.8	85	99.2	107.3	125.1	133.1	155.4	167.8	195.7	211.6	246.9	250	300	312.8	350	394.5	400	450	465.4	500	550	595.5		
Amherst	195.7	99.2	107.3	125.1	133.1	155.4	167.8	195.7	211.6	246.9	250	300	312.8	350	394.5	400	450	465.4	500	550	595.5			
211.6MCM	211.6	107.3	125.1	133.1	155.4	167.8	195.7	211.6	246.9	250	300	312.8	350	394.5	400	450	465.4	500	550	595.5				
Alliance	246.9	125.1	133.1	155.4	167.8	195.7	211.6	246.9	250	300	312.8	350	394.5	400	450	465.4	500	550	595.5					
250MCM	250	126.7	133.1	155.4	167.8	195.7	211.6	246.9	250	300	312.8	350	394.5	400	450	465.4	500	550	595.5					
300MCM	300	152.1	161.1	188.3	195.7	211.6	246.9	250	300	312.8	350	394.5	400	450	465.4	500	550	595.5						
Butte	312.8	155.5	161.1	188.3	195.7	211.6	246.9	250	300	312.8	350	394.5	400	450	465.4	500	550	595.5						
350MCM	350	177.3	183	202.7	211.6	246.9	250	300	312.8	350	394.5	400	450	465.4	500	550	595.5							
Canton	394.5	199.9	202.7	228	235.8	253.3	278.6	283.5																
400MCM	400	202.7	228	235.8	253.3	278.6	283.5																	
450MCM	450	228	235.8	253.3	278.6	283.5																		
Cairo	465.4	235.8	253.3	278.6	283.5																			
500MCM	500	253.3	278.6	283.5																				
550MCM	550	278.6	283.5																					
Darien	595.5	283.5																						

CRC series wedge connector, selection type according to the conductor size.  
 Size type: CRC-X, and  
 X: size code of main conductor diameter  
 for example: CRC-1 5/5

### WEDGE CONNECTOR SELECTION TABLE FOR ALUMINUM CONDUCTOR STEEL REINFORCED-ACSR

Cross Section	Type of Cable	Overall Diameter (mm)																			
Type of Cable	AWG	mm <sup>2</sup>	15.5	19.6	24.7	31.1	39.3	49.5	62.5	78.6	99.2	125.1	161.1	202.7	253.3	312.8	384.5	477.5	595.5		
Turkey	6	15.5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Thrush	5	19.6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Swan	4	24.7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Swallow	3	31.1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Sparrow	2	39.3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Robin	1	49.5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Raven	1/0	62.5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Quail	2/0	78.6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Pigeon	3/0	99.2	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Penguin	4/0	125.1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Waxwing	266.8	142.6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Owl	266.8	152.7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Partridge	266.8	157.2	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Ostrich	300	176.7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Merlin	336.4	179.9	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Linnet	336.4	188	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Oriole	336.4	198	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Chickadee	397.5	212.5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Brant	397.5	227.5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Ibis	397.5	234	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Lark	397.5	248.5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Pelican	477	255.1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Flicker	477	273.1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Hawk	477	280.8	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Hen	477	296.1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Osprey	556.5	297.5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

CRC series wedge connector, selection type according to the conductor size.  
 Size type: CRC-X, and  
 X: size code of main conductor diameter  
 for example: CRC-1 5/5





## Description

For Aluminum, ACSR, and armor rod covered aluminum or ACSR conductor.  
For installation on energized conductor .

## Material

Body and Keeper - Aluminum Alloy

Eye bolt - Bronze alloy - Tin Plated

Eyestem - Bronze alloy, Forged or stainless steel

Spring (on eyestem) Stainless Steel



Models	LLC1520	LLCE1030-AC	LLC1530
Main Line(mm²)	16-70	10-120	16-185
Service Line (mm²)	16-50	10-70	16-95
Main Line(AWG)	6 sol-2/0 str al	8 sol-4/0 str al	6 sol- 400MCM al
Service Line (AWG)	6 sol-1/0 str al/cu	8 sol-2/0 str al/cu	6 sol-2/0 al/cu
Bolt No.	1	1	1



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