



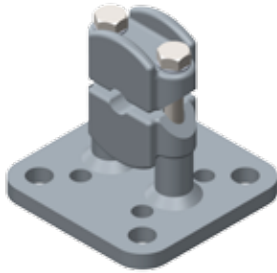
PREFORMED LINE PRODUCTS
The connection you can count on.

Section 3 - SUBLIGN™ Fittings For Flexible Conductors And Strung Bus

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Supports



BBFCS

Busbar Fixed Conductor Support

Part Number	Conductor Diameter Range (mm)	P.C.D. (mm)	Hole Ø (mm)
BBFCS-135195-127-76 (-T)	13.5 - 19.5	127 and 76	18/14
BBFCS-196240-127-76 (-T)	19.6 - 24.0	127 and 76	18/14
BBFCS-241300-127-76 (-T)	24.1 - 30.0	127 and 76	18/14
BBFCS-301350-127-76 (-T)	30.1 - 35.0	127 and 76	18/14

Note: T at the end of the part number refers to tin plating

Part Number System

BBFCS	Busbar Fixed Conductor Support
175	Conductor Outer Diameter
127	P.C.D.
76	P.C.D.



BRPI

Bolted Run Post Insulator

The BRPI is a heavier duty version of the BBFCS.

Part Number	Conductor Ø Range (mm)	P.C.D mm	Hole Ø mm
BRPI-135195-127	13.5 - 19.5	127	18
BRPI-196240-127	19.6 - 24.0	127	18
BRPI-241300-127	24.1 - 30.0	127	18
BRPI-301350-127	30.1 - 35.0	127	18

Part Number System

BRPI	Bolted Run Post Insulator
175	Conductor Outer Diameter
127	P.C.D.
18	Hole Ø



DCRIP

Double Conductor Run (Insulator Post)

The DCRIP is a double version of the BRPI.

Part Number	Conductor Diameter (mm)	Conductor Spacing (mm)	P.C.D. (mm)
DCRIP-293-74-127	29.3	74	127
DCRIP-338-74-127	33.8	74	127
DCRIP-355-74-127	35.5	74	127

Part Number System

DCRIP	Double Conductor Run Insulator Post
293	Conductor Outer Diameter
74	Conductor Spacing
127	P.C.D.

Supports



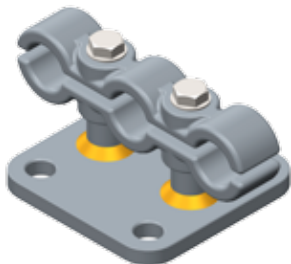
SPSD

Substation Parallel Spacer Double (Post Insulator Mounted)

Part Number	Conductor Diameter (mm)	Conductor Centre Spacing (mm)	P.C.D. (mm)	Hole Ø (mm)
SPSD-240-050PI	24.0	50	127 and 76	18/14
SPSD-263-070PI	26.3	70	127 and 76	18/14
SPSD-293-070PI	29.3	70	127 and 76	18/14
SPSD-293-125-PI	29.3	125	127 and 76	18/14
SPSD-315-070PI	31.5	70	127 and 76	18/14
SPSD-315-125PI	31.5	125	127 and 76	18/14

Part Number System

SPSD	Substation Parallel Spacer Double
240	Conductor Outer Diameter
050	Conductor Centre Spacing
PI	Post Insulator Mounted (76/127PCD)



SPST

Substation Parallel Spacer Triple (Post Insulator Mounted)

Part Number	Conductor Diameter (mm)	Conductor Centre Spacing (mm)
SPST-315-070PI	31.5	70.0

Part Number System

SPST	Substation Parallel Spacer Triple
315	Conductor Outer Diameter
070	Conductor Centre Spacing
PI	Post Insulator Mounted (76/127PCD)



SPSQ

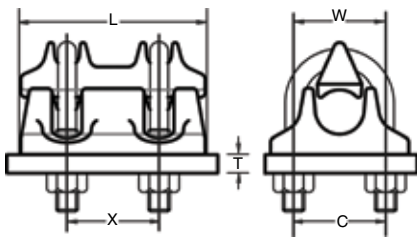
Substation Parallel Spacer Quad (Post Insulator Mounted)

Part Number	Conductor Diameter (mm)	Conductor Centre Spacing (mm)	P.C.D. (mm)	Hole Ø (mm)
SPSQ-293-070PI	29.3	70	127 and 76	18/14

Part Number System

SPSQ	Substation Parallel Spacer Quad
240	Conductor Outer Diameter
070	Conductor Centre Spacing
PI	Post Insulator Mounted (76/127PCD)

Supports



D-PC

Palmless Connector

(Types PC & PCS Copper, APC & APCS Aluminium)

Low cost connectors for clamping cable to switchgear terminal plates with four 14mm diameter holes at 50mm centres. Castings are of high copper content alloy. U-bolts, nuts and spring washers are stainless steel.

Part Number	Cable Range		Dimensions (mm)					No. of Holes
	Area (mm ²)	O.D.	C	L	T	W	X	
D-PCS1	25 - 120	6.75 - 14.21	22	32	7	44	-	2 x 9.5
D-PCS2	50 - 300	8.90 - 22.68	33	38	7	50	-	2 x 11.5
D-PC3	70 - 150	10.70 - 16.00	50	102	13	76	50	4 x 14.0
D-PC4	150 - 240	15.00 - 21.00	50	102	13	76	50	4 x 14.0
D-PC5	240 - 400	20.00 - 25.65	50	102	13	76	50	4 x 14.0
D-PC7	500 - 630	28.80 - 33.80	50	102	13	76	50	4 x 14.0

Note: For current rating of parts on this page, contact PLP direct.

Earthing



ESTS

Earthing Stirrup Transverse Single

Part Number	Conductor Diameter Range (mm)	Stirrup Bend Radius (mm)	Stirrup Ø mm
ESTS-175	13.5 - 18.5	R50	25.4
ESTS-210	19.6 - 24.0	R50	25.4
ESTS-270	24.1 - 30.0	R50	25.4
ESTS-338	30.1 - 35.0	R50	25.4

Part Number System

ESTS	Earthing Stirrup Transverse Single
175	Conductor Outer Diameter

Earthing



ESTD

Earthing Stirrup Transverse Double

Twin version of ESTS.

Part Number	Conductor Diameter (mm)	Conductor Spacing (mm)	Stirrup Bend Radius (mm)	Stirrup Ø (mm)
ESTD-190-#	19.0	70 or 125	R50	25.4
ESTD-210-#	21.0	70 or 125	R50	25.4
ESTD-240-#	24.0	70 or 125	R50	25.4
ESTD-263-#	26.3	70 or 125	R50	25.4
ESTD-293-#	29.3	70 or 125	R50	25.4
ESTD-315-#	31.5	70 or 125	R50	25.4
ESTD-338-#	33.8	70 or 125	R50	25.4

Part Number System

ESTD Earth Stirrup Transverse Double

190 Conductor Outer Diameter

Conductor Spacing (070 or 125mm)

Example: ESTD-190-070



ESTT

Earthing Stirrup Transverse Triple

Conductor Diameter Ranges mm	Conductor Spacing (mm)	Stirrup Bend Radius (mm)	Stirrup Ø (mm)
ESTT-263-#	70 or 125	R50	25.4
ESTT-293-#	70 or 125	R50	25.4
ESTT-315-#	70 or 125	R50	25.4
ESTT-338-#	70 or 125	R50	25.4

Part Number System

ESTT Earth Stirrup Transverse Triple

263 Conductor Outer Diameter

Conductor Spacing (070 or 125mm)

Example: ESTT-263-070



BBESA

Busbar Earthing Stirrup Assembly

This is another version of the ESTS.

Part Number	Conductor Diameter Range (mm)	Stirrup Bend Radius (mm)	Stirrup Ø (mm)
BBESA-175	13.5 - 18.5	R50	25.4
BBESA-210	19.6 - 24.0	R50	25.4
BBESA-293	24.1 - 30.0	R50	25.4
BBESA-338	30.1 - 35.0	R50	25.4

Part Number System

BBESA Busbar Earthing Stirrup Assembly

175 Conductor Outer Diameter

Conductor Terminations

CTA

Aluminium Compression Terminal

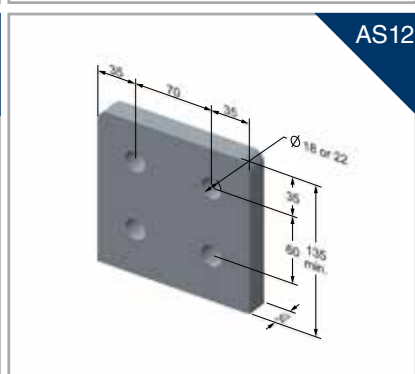
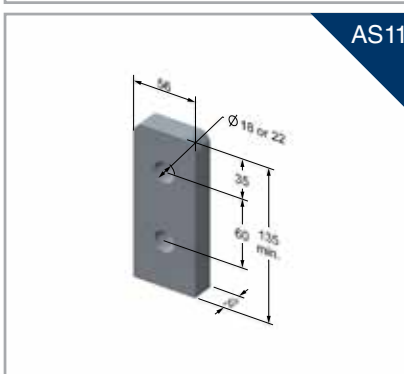
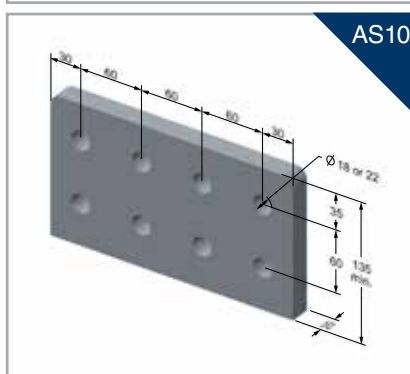
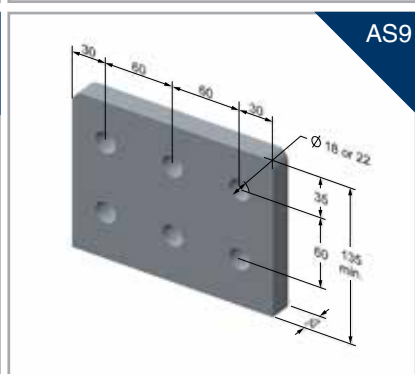
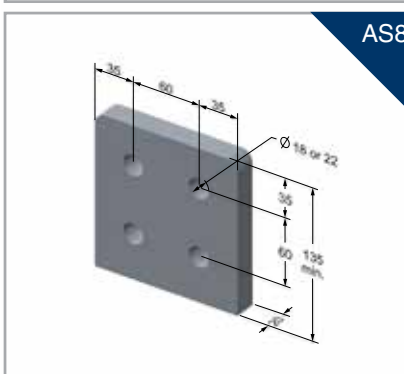
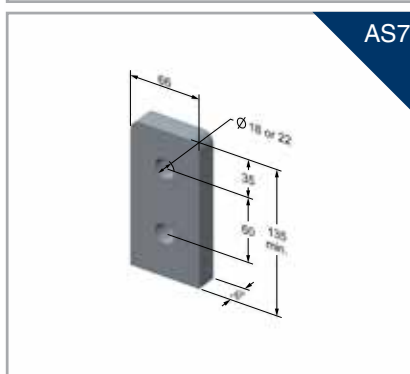
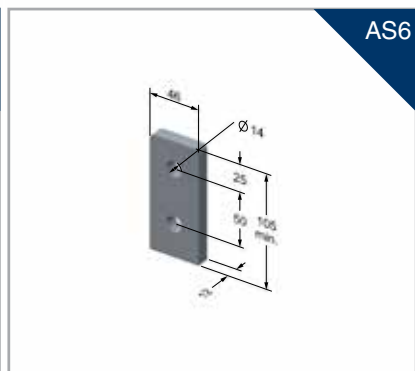
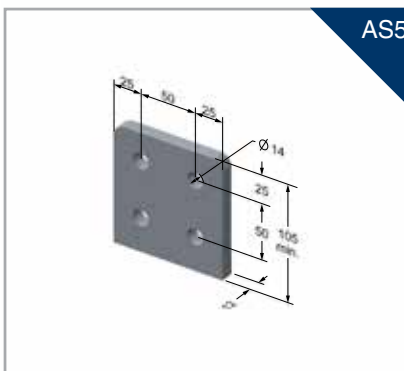
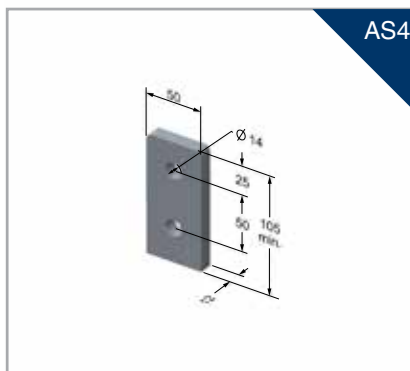
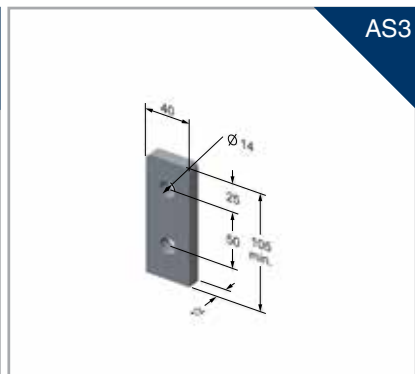
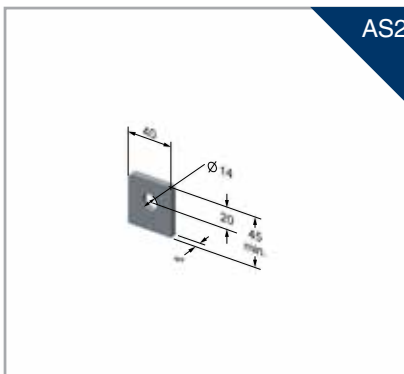
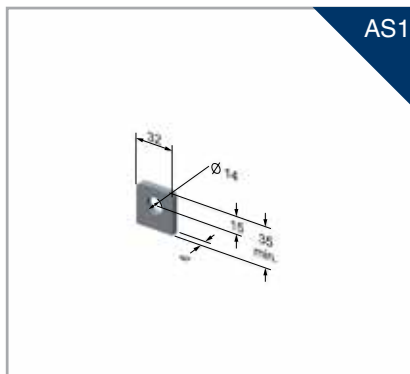
Please fill in the following information for PLP to manufacture compression terminals to suit your requirement. Copy and fax or scan and email your completed catalogue page to us.

Fax: (02) 8805 0090 **Email:** plp-salesupport@preformed.com.au

Conductor Stranding

No.

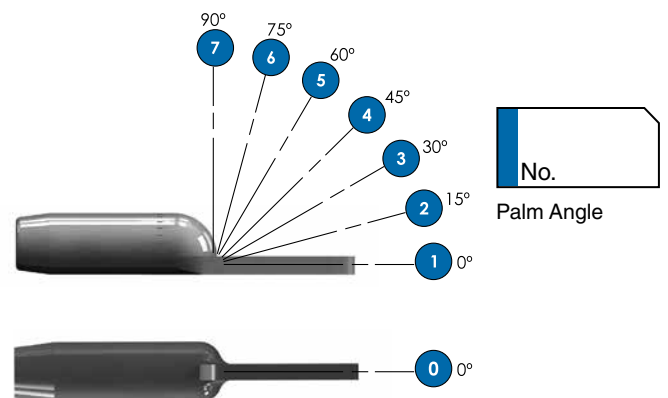
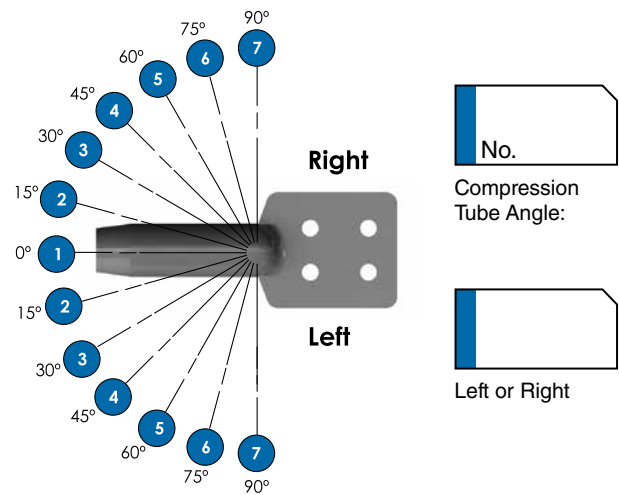
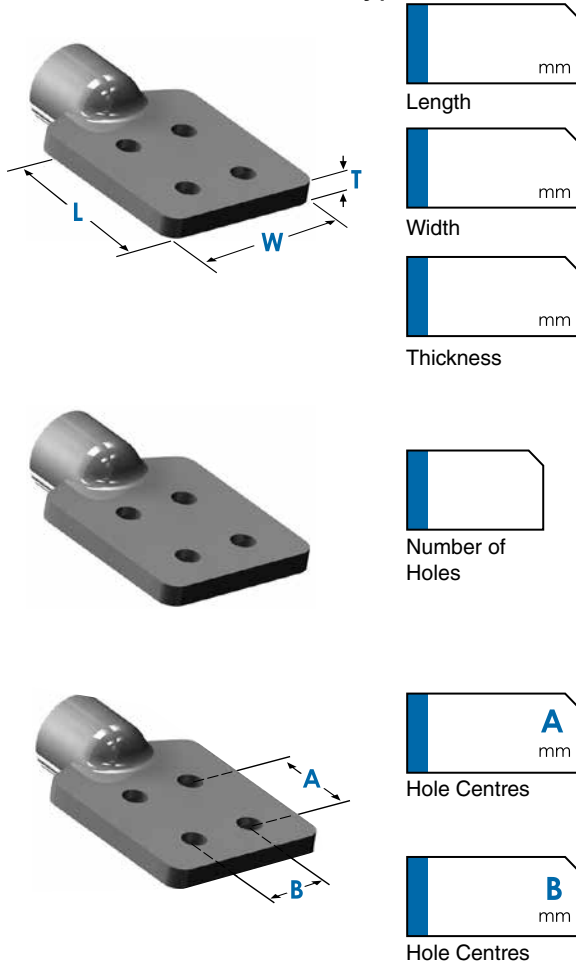
Choose from Australian standard palm types AS 62271.301



Conductor Terminations

CTA

For Non Standard Palm Types

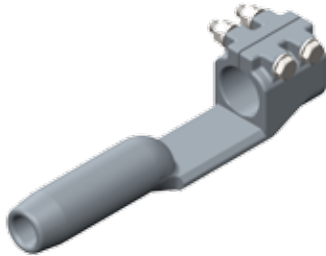


Palm Terminal Characteristics

AS 62271.301

Terminal Number	Bolt Hole Ø (mm)	Net Contact Area (mm) ²	Min Thickness (Al)	Assigned Current Rating (Al)
1	14	780	6	80
2	14	1,430	6	200
3	14	3,670	12	630
4	14	4,670	12	800
5	14	9,300	12	1,250
6	14	4,270	12	630
7	18 or 22	7,730	20	1,250
8	18 or 22	15,300	20	2,000
9	18 or 22	21,000	20	3,150
10	18 or 22	28,100	20	4,000
11	18 or 22	6,430	20	1,000
12	18 or 22	17,183	20	2,500

Conductor Terminations



CTAPTW

Compression Terminal Aluminium Pin Type

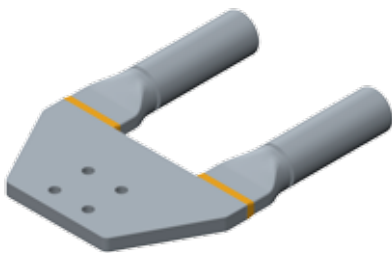
Pin type compression terminals are used to connect strung bus to equipment bushings and pins. Standard designs will carry up to 1100Amps but heavier designs are available for higher system loads. Please advise PLP of the current load expected when requesting this product. Tin plating is available as an option where connection onto copper occurs.

Part Number	Conductor Ø (mm)	Pin Ø (mm)	Bend Angle° (mm)
CTAPTW-143 - # - *	14.3	#	*
CTAPTW-188 - # - *	18.8	#	*
CTAPTW-199 - # - *	19.9	#	*
CTAPTW-238 - # - *	23.8	#	*
CTAPTW-263 - # - *	26.3	#	*
CTAPTW-293 - # - *	29.3	#	*
CTAPTW-315 - # - *	31.5	#	*
CTAPTW-338 - # - *	33.8	#	*

Part Number System

CTAPTW	Compression Terminal Aluminium Pin Type
113	Conductor Outer diameter
#	Pin diameter mm, Enter Pin Diameter (25, 30, 40 or 50mm)
*	Bend Angle° Enter angle - 0, 15, 30, 45, 90

Example: CTAPT-113-45-30



CTAT

Compression Terminal Aluminium Twin Type

Part Number	Conductor Ø (mm)	Conductor Spacing	Palm Type	Bend Angle°
CTAT-263 - # - * - ^	26.3	#	*	^
CTAT-270 - # - * - ^	27.0	#	*	^
CTAT-293 - # - * - ^	29.3	#	*	^
CTAT-338 - # - * - ^	33.8	#	*	^

Part Number System

CTAT	Compression Terminal Aluminium Twin (Type)
263	Conductor Outer diameter
#	Conductor Spacing – 115 or 160
*	Palm Type - e.g. AS1, AS2, AS3
^	Bend Angle° - 0, 15, 30, 45 or 90

Example: CTAT-263-115-AS5-30

Conductor Terminations



CDET

Compression Deadend Terminal

Jumper terminals are manufactured from forged aluminium and have the compression area clearly identified. Compression jumper terminals outlined below are indicative only. Palm angle is normally 30° to match a dead-end with an in-line palm. When ordering jumper terminals, please ensure the palm configuration matches the compression dead-end palm to which the terminal is to be fitted. Tin plating is available as an option where connection onto copper occurs.

Part Number	Stranding
CDET-163	19/3.25
CDET-175	30/7/2.50
CDET-210	30/7/3.00
CDET-210	37/3.00
CDET-238	19/4.75
CDET-245	30/7/3.50
CDET-263	37/3.75
CDET-270	61/3.00
CDET-270	54/7/3.00
CDET-293	61/3.25
CDET-293	54/7/3.25
CDET-315	61/3.50
CDET-315	54/7/3.50
CDET-338	61/3.75
CDET-338	54/3.75+19/2.25

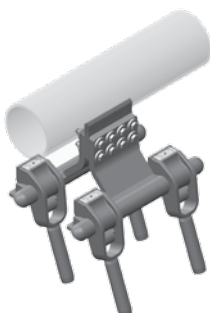


QDC

Quick Disconnect System

PLP's quick disconnect system (QDC) is designed to provide a quick, easy and effective means of creating physical disconnect points in substations at voltages between 11kV and 275kV. The single conductor disconnect system can be deployed to create a disconnect point between flexible conductors. In addition, the QDS can also be used as a low cost alternative to high voltage bus section isolators in substations with only a limited loss of operational flexibility. The QDC is designed to be permanently installed to any standard flexible AAC, ACSR or AAAC aluminium conductor via industry standard hexagonal compression in a similar manner to a conventional compression terminal. The QDC can be installed by hand or by hotstick.

At installation, the bolts must be tightened with a torque wrench to the specified torque settings. The QDC is available with a single or twin conductor connector. Owing to the number of connector combinations that are possible with the QDC there is no tabulation of standard catalogue numbers provided.





Conductor Terminations



CRCTC

Compression Run Compression Tee (Closed)

Part Number	Run Conductor Ø (mm)	Tee Conductor Ø (mm)
CRCTC-263-293	26.3	29.3

Part Number System

CRCTC	Compression Run Compression Tee (Closed)
26.3	Run Conductor Outer Diameter
29.3	Tee Conductor Outer Diameter



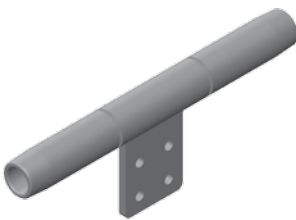
CRCTO

Compression Run Compression Tee (Open)

Part Number	Run Conductor Ø (mm)	Tee Conductor Ø (mm)
CRCTO-263-293	26.3	29.3

Part Number System

CRCTO	Compression Run Compression Tee (Open)
26.3	Run Conductor Outer Diameter
29.3	Tee Conductor Outer Diameter



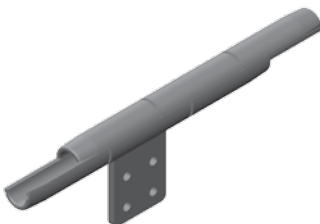
CRPCT

Compression Run Palm Tap (Closed)

Part Number	Conductor Ø (mm)	Palm No.
CRCTC-263-AS#	26.3	AS#

Part Number System

CRCTO	Compression Run Palm Tap (Closed)
26.3	Run Conductor Outer Diameter
AS#	Palm Type - e.g. AS1, AS2, AS3



CRPTO

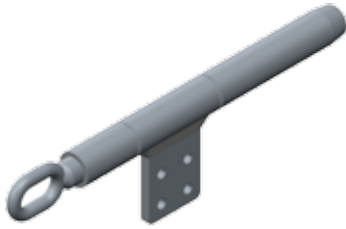
Compression Run Palm Tap (Open)

Part Number	Conductor Ø (mm)	Palm No.
CRCTO-263-AS#	26.3	AS#

Part Number System

CRCTO	Compression Run Palm Tap (Open)
26.3	Run Conductor Outer Diameter
AS#	Palm Type - e.g. AS1, AS2, AS3

Conductor Terminations

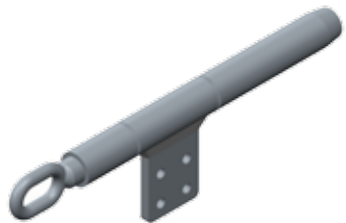


CDE

Compression Dead-ends (ACSR Conductors)

Part Number	Conductor Stranding	Outer Sleeve Die Size	Inner Sleeve Die Size	Palm #
CDE-113-1	6/2/3.75	18 A/F	18 A/F	-
CDE-125	12/7/2.50	28.50 A/F	16 A/F	AS4
CDE-143-1	6/4.75+7/1.60	21 A/F	9.5 A/F	AS4
CDE-146	7/4.39+7/1.93	22 A/F	9.5 A/F	AS4
CDE-159	26/2.54+7/1.90	28.50 A/F	11 A/F	AS4
CDE-165-1	30/7/0.093	28.50 A/F	14.2 A/F	AS4
CDE-175-1	30/7/2.50	28.5 A/F	16 A/F	AS4
CDE-181-1	30/7/2.59	34.50 A/F	16 A/F	AS4
CDE-195-1	30/7/2.79	34.50 A/F	16 A/F	AS4
CDE-199-1	26/3.14+7/2.44	34.50 A/F	16 A/F	AS4
CDE-210-1	30/7/3.00	34.50 A/F	17 A/F	AS4
CDE-219	26/3.45+7/2.68	34 A/F	19 A/F	-
CDE-224-1	30/7/3.20	34.50 A/F	19 A/F	AS4
CDE-235-1	30/7/0.132	40 A/F	19 A/F	-
CDE-236	26/3.71 7/2.89	40 A/F	19 A/F	-
CDE-245-1	30/7/3.50	40 A/F	19 A/F	AS4
CDE-250	48/3.00+7/2.33	34 A/F	17.3 A/F	-
CDE-260-1	30/7/3.71	40 A/F	19 A/F	AS4
CDE-270-1	54/7/3.50	44.50 A/F	17 A/F	AS5
CDE-271	45/3.38/7/2.25	44.50 A/F	17 A/F	AS5
CDE-286-1	54/7/3.18	41 A/F	19 A/F	AS5
CDE-293-1	54/7/3.25	44.50 A/F	19 A/F	AS5
CDE-300-1	54/7/3.35	44.50 A/F	19 A/F	AS5
CDE-308-1	4.50/3.85/7/2.57	44.50 A/F	19 A/F	AS5
CDE-315-1	54/7/3.50	47.50 A/F	19 A/F	AS5
CDE-318-1	54/7/3.53	47.50 A/F	19 A/F	AS5
CDE-324	42/2.72+19/2.59	47.50 A/F	26 A/F	AS5
CDE-338-1	54/3.75-19/2.25	47.50 A/F	20 A/F	AS5
CDE-362-1	54/4.02+19/2.41	50 A/F	20.5 A/F	AS5

Note: Confirm stranding when ordering.
Contact PLP for transverse palm.



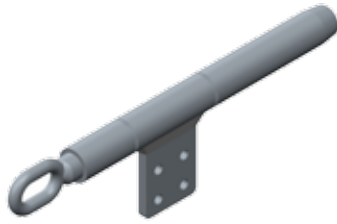
CDEA

Compression Dead-ends (AAC Conductors)

Please confirm stranding when ordering.

Part Number	Stranding	Palm No.	Outer Sleeve Die Size	Part Number System	
				CDEA	Compression Dead-end AAC
CDEA-163 -1	19/3.25	AS#4	28.5 A/F	163	Conductor Outer diameter
CDEA-175 -1	19/3.50	AS#4	28.8 A/F	-1	Standard
CDEA-188 -1	19/3.75	AS#4	34.5 A/F		
CDEA-210 -1	37/3.00	AS#4	34.5 A/F		
CDEA-238 -1	19/4.75	AS#4	40 A/F		
CDEA-293 -1	61/3.25	AS#5	44.5 A/F		
CDEA-338 -1	61/3.75	AS#5	47.5 A/F		

Conductor Terminations



CDEAAAC

Compression Dead-ends (AAAC Conductors)

Suits both 1120 and 6201 grade aluminium conductors.
Please confirm stranding when ordering.

Part Number	Stranding	Palm Number	Outer Sleeve Die Size
CDEAAAC-135 -1	7/4.50	AS# 4	21 A/F
CDEAAAC-163 -1	19/3.25	AS#4	28.5 A/F
CDEAAAC-188 -1	19/3.75	AS#4	30 A/F
CDEAAAC-210 -1	37/3.00	AS#4	34.5 A/F
CDEAAAC-238 -1	19/4.75	AS#4	40 A/F
CDEAAAC-263 -1	37/3.75	AS#4	40 A/F
CDEAAAC-270 -1	61/3.00	AS#5	40 A/F
CDEAAAC-293 -1	61/3.25	AS#5	44.5 A/F
CDEAAAC-315 -1	61/3.50	AS#5	48 A/F
CDEAAAC-338 -1	61/3.75	AS#5	47.5 A/F

Part Number System

CDEAAAC	Compression Dead-end AAAC
135	Conductor Outer diameter
-1	Standard

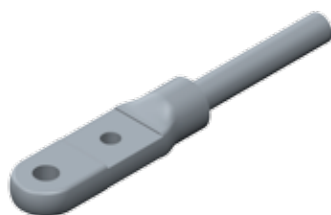


CDS

Compression Dead-ends - Eye Type (SC/GZ and SC/AC)

Part Number	Conductor Stranding	Die Size
CDS-083-1	7/2.75	17 A/F
CDS-090	4/3/3.00	17 A/F
CDS-098-1	7/3.25	17 A/F
CDS-105	19/2.00	19 A/F
CDS-113-2	7/3.75	19 A/F
CDS-120-1	7/4.00	19 A/F
CDS-128-2	7/4.25	19 A/F

Note: Made from 304 grade stainless steel incorporating an earth bonding point.



CDST

Compression Dead-ends - Tongue Type (SC/GZ and SC/AC)

Part Number	Conductor Stranding	Die Size
CDST-083	7/2.75	17 A/F
CDST-090	3/4/3.00	17 A/F
CDST-098	7/3.25	17 A/F
CDST-113	7/3.75	19 A/F
CDST-128	7/4.25	19 A/F

Note: Made from 304 grade stainless steel incorporating an earth bonding point.

Spacers



SPSD

Substation Parallel Spacer Double

Part Number	Conductor Ø (mm)	Conductor Centre Spacing (mm)
SPSD-240-#	24.0	#
SPSD-263-#	26.3	#
SPSD-293-338-#	293-338	#

Part Number System

SPSD	Substation Parallel Spacer Double
293	Conductor Outer diameter
#	Conductor Spacing – (070 or 125mm)

Example: SPSP-293-070



SPST

Substation Parallel Spacer Triple

Part Number	Conductor Ø (mm)	Conductor Centre Spacing (mm)
SPST-263-#	263	#
SPST-293-338-#	293-338	#

Part Number System

SPST	Substation Parallel Spacer Triple
315	Conductor Outer Diameter
#	Conductor Spacing (070 or 125mm)

Example: SPST-293-070



SPSQ

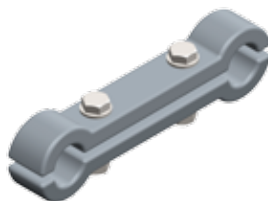
Substation Parallel Spacer Quad

Part Number	Conductor Ø (mm)	Conductor Centre Spacing (mm)
SPSQ-293-338-#	293-338	#

Part Number System

SPSQ	Substation Parallel Spacer Quad
ø	Conductor Outer diameter
#	Conductor spacing (070 or 125mm)

Example: SPSQ-293-070



SPB

Substation Parallel Spacer Bars

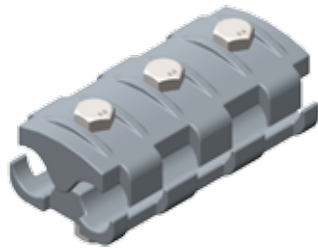
Part Number	Conductor Ø (mm)	Conductor Centre Spacing (mm)
SPB-263-#	263	200
SPB-293-#	293	150 & 200
SPB-315-#	315	380 & 460
SPB-338-#	338	180 & 200

Part Number System

SPB	Spacer Bar
ø	Conductor Outer Diameter
#	Conductor Spacing

Note: Contact PLP for more available combinations

Bolted Connections

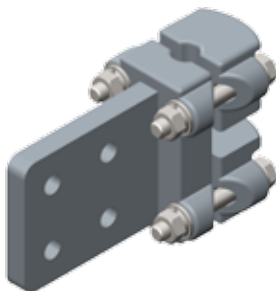


APG

Aluminium Parallel Groove (Clamp)

Many parallel groove clamps are available tin plated for use with copper conductor. Please contact PLP for your specific requirements.

Part Number	Clamp Diameters (mm)	Material
APG-135	5.25 - 13.5	Al
APG-188DG	8.0 - 19.0	Al
APG-188SG	9.0 - 19.0	Al
APG-263104-T	10.4 - 26.3	Tinned Al
APG-163105-T	10.5 - 16.3	Tinned Al
APG-210DG	12.0 - 22.0	Al
APG-315-315-2	16.3 - 33.8	Al
APG-263165-T	16.5 - 26.3	Tinned Al
APG-338165-T	16.5 - 33.8	Tinned Al
APG-238-238	22.0 - 24.0	Al
APG-293-293-1	27.0 - 30.0	Al
APG-315-338-1	31.5 - 33.8	Al



BRPT

Bolted Run Palm Tap

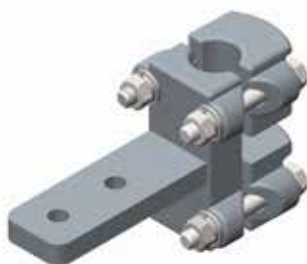
Many bolted tee fittings are designed as low current connections for instrument transformers or for high current/short duration such as surge arrestors. Current rating is dependent on palm or conductor size and customers are advised to request details of current rating for the selected fittings.

Part Number	Conductor Ø (mm)	Palm Type
BRPT-175-AS#	13.5-19.5	AS#
BRPT-210-AS#	19.6-24.0	AS#
BRPT-263-AS#	24.1-30.0	AS#
BRPT-338-AS#	30.1-35.0	AS#
BRPT-380-AS#	38.0	AS#
BRPT-396-AS#	39.6	AS#

Part Number System

BRPT	Bolted Run Palm Tap
175	Conductor Outer diameter
AS#	Palm Type E.g. AS1, AS2, AS3 etc...

Example: BRPT-163-AS5



BRPTT

Bolted Run Palm Tap Transverse

Part Number	Conductor Ø (mm)	Palm Type
BRPTT-175-AS#	13.5-19.5	AS#
BRPTT-210-AS#	19.6-24.0	AS#
BRPTT-263-AS#	24.1-30.0	AS#
BRPTT-338-AS#	30.1-35.0	AS#
BRPTT-380-AS#	38.0	AS#
BRPTT-396-AS#	39.6	AS#

Part Number System

BRPTT	Bolted Run Palm Tap Transverse
175	Conductor Outer diameter
AS#	Palm Type E.g. AS1, AS2, AS3 etc...

Example: BRPTT-163-AS5

Bolted Connections



BRCT

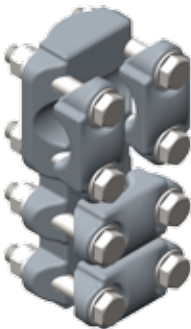
Bolted Run Compression Tee

Part Number	Bolted Run Conductor Ø Range (mm)	Tee Conductor Ø (mm)
BRCT-#-143	#	14.3
BRCT-#-165	#	16.5
BRCT-#-175	#	17.5
BRCT-#-188	#	18.8
BRCT-#-193	#	19.3
BRCT-#-210	#	21.0
BRCT-#-235	#	23.5
BRCT-#-238	#	23.8
BRCT-#-245	#	24.5
BRCT-#-252	#	25.2
BRCT-#-254	#	25.4
BRCT-#-260	#	26.0
BRCT-#-263	#	26.3
BRCT-#-270	#	27.0
BRCT-#-286	#	28.6
BRCT-#-293	#	29.3
BRCT-#-315	#	31.5
BRCT-#-338	#	33.8

Part Number System

BRCT	Bolted Run Compression Tee
#	Bolted Run Conductor Diameter
Insert one of the following:	
175	(13.5 - 19.5)
210	(19.6 - 24.1)
263	(24.1 - 30.0)
315	(30.1 - 35.0)

Example: BRCT-175-143



BRBT

Bolted Run Bolted Tee

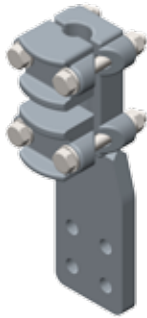
Bolted run bolted tee fittings are designed to connect stranded conductors.

Part Number	Run - Conductor Outer Ø Range (mm)	Tee - Conductor Outer Ø Range (mm)
BRBT-135195-135195	13.5 - 19.5	13.5 - 19.5
BRBT-135195-196240		19.6 - 24.0
BRBT-135195-241300		24.1 - 30.0
BRBT-135195-301350		30.1 - 35.0
BRBT-196240-135195	19.6 - 24.0	13.5 - 19.5
BRBT-196240-196240		19.6 - 24.0
BRBT-196240-241300		24.1 - 30.0
BRBT-196240-301350		30.1 - 35.0
BRBT-241300-135195	24.1 - 30.0	13.5 - 19.5
BRBT-241300-196240		19.6 - 24.0
BRBT-241300-241300		24.1 - 30.0
BRBT-241300-301350		30.1 - 35.0
BRBT-301350-135195	30.1 - 35.0	13.5 - 19.5
BRBT-301350-196240		19.6 - 24.0
BRBT-301350-241300		24.1 - 30.0
BRBT-301350-301350		30.1 - 35.0

Part Number System

BRBT	Bolted Run Bolted Tee
210	Run Conductor Outer Diameter Range
210	Tee Conductor Outer Diameter Rang

Bolted Connections



BRTL

Bolted Run Terminal Lug

Part Number	Conductor Ø Range (mm)	Palm Type
BRTL-175-AS#	13.5-19.5	AS#
BRTL-238-AS#	19.6 -24.1	AS#
BRTL-263-AS#	24.1 - 30.0	AS#
BRTL-315-AS#	30.1 - 35.0	AS#

Part Number System

BRTL	Bolted Run Terminal Lug
175	Conductor Outer Diameter Range
AS#	Palm Type E.g. AS1, AS2 etc...

Example: BRTL-175-AS5



BRBS

Bolted Run Bolted Stem

Pin type bolted fittings are designed to be as through connections to equipment bushings and pins and are not designed to carry high current loads. Tin plating is available as an option where connection onto copper occurs.

Part Number	Conductor Ø Bolted Run (mm)	Bolted Stem ID (mm)
BRBS-143-25	13.5-19.5	25.0
BRBS-163-26	13.5-19.5	26.0
BRBS-210-30	19.6-24.0	30.0
BRBS-315-30	30.1-35.0	30.0

Part Number System

BRBS	Bolted Run Bolted Stem
143	Run - Conductor Outer Diameter
25	Stem Diameter



DCRPT

Double Conductor Run Palm Tap

Part Number	Conductor Ø Bolted Run (mm)	Palm Type
DCRPT-210-AS#	19.6 - 24.0	AS#
DCRPT-263-AS#	24.1 - 30.0	AS#
DCRPT-338-AS#	30.1 - 35.0	AS#

Part Number System

DCRPT	Double Conductor Run Palm Tap
210	Run - Conductor Outer Diameter
AS#	Palm Type E.g. AS1, AS2 etc...

Example: DCRPT-210-AS5

Bolted Connections



DCRPTT

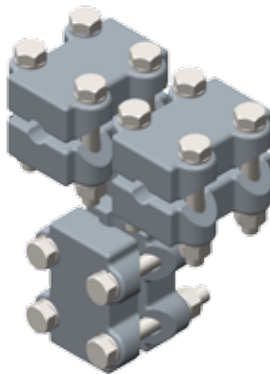
Double Conductor Run Palm Tap Transverse

Part Number	Conductor Ø Bolted Run (mm)	Palm Type
DCRPTT-210-AS#	19.6 - 24.0	AS#
DCRPTT-263-AS#	24.1 - 30.0	AS#
DCRPTT-338-AS#	30.1 - 35.0	AS#

Part Number System

DCRPTT	Double Conductor Run Palm Tap Transverse
210	Run - Conductor Outer Diameter
AS#	Palm Type E.g. AS1, AS2 etc...

Example: DCRPT-210-AS5



DCRBT

Double Conductor Run Bolted Tee

Part Number	Bolted Run Ø Range (mm)	Conductor Ø Bolted Tee (mm)
DCRBT-210-210	19.6 - 24.0	19..6 - 24.0
DCRBT-338-338	30.1 - 35.0	30.1 - 35.0

Part Number System

DCRBT	Double Conductor Run Bolted Tee
210	Run - Conductor Outer Diameter
210	Tee - Conductor Outer Diameter



DCRBS

Double Conductor Run Bolted Stem

Pin type bolted fittings are designed to be as through connections to equipment bushings and pins and are not designed to carry high current loads. Tin plating is available as an option where connection onto copper occurs.

Part Number	Bolted Run Ø Range (mm)	Bolted Stem ID (mm)
DCRBS-315-30-1	30.1 - 35.0	30

Part Number System

DCRBS	Double Conductor Run Bolted Stem
315	Run - Conductor Outer Diameter
30	Stem - Diameter

Bolted Connections

D-T

Tee Connector Busbar to Conductor (Type T Copper)

A heavy duty tube-to-conductor tee connector. The adjustable tap takes a large range of conductors which may be clamped before attaching to tubular bus.

Materials: High copper content alloy casting. Stainless steel U-bolts, bolts, spring washers and nuts.

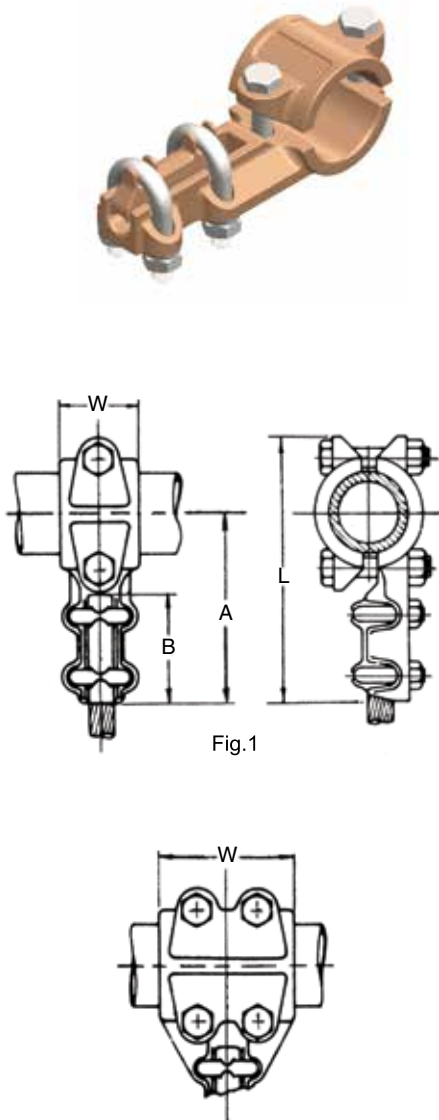


Fig.1

Fig.2

Part Number	O.D. Tube (mm)	Conductor Range		Fig. No.	Dimensions (mm)			
		Area (mm) ²	O.D. (mm)		A	B	L	W
D-T10	19.1	25 - 95	6.42 - 12.46	1	81	51	106	35
D-T15	19.1	35 - 95	7.65 - 12.60	1	90	60	117	35
D-T20	25.4	25 - 95	6.42 - 12.46	1	84	50	113	35
D-T25	25.4	35 - 95	7.65 - 12.60	1	92	60	121	35
D-T30	25.4	70 - 150	10.70 - 15.75	1	106	70	142	44
D-T31C	25.4	150 - 240	15.75 - 20.25	2	110	80	140	60
D-T33	30.2	70 - 150	10.70 - 15.75	1	106	70	140	44
D-T35	31.8	35 - 95	7.65 - 12.60	1	103	60	142	51
D-T40	31.8	70 - 150	10.70 - 15.75	1	110	70	146	51
D-T45	31.8	150 - 240	15.75 - 20.25	1	117	76	156	51
D-T46	31.8	240 - 400	20.25 - 25.65	2	121	83	156	70
D-T48	34.1	70 - 150	10.70 - 15.75	1	110	73	148	51
D-T50	38.1	35 - 95	7.65 - 12.60	1	106	60	146	51
D-T55	38.1	70 - 150	10.70 - 15.75	1	113	70	152	51
D-T55C	38.1	70 - 150	10.70 - 15.75	2	111	70	148	76
D-T60	38.1	150 - 240	15.75 - 20.25	1	119	76	159	51
D-T64	40.0	630 - 800	32.76 - 37.05	2	146	102	192	80
D-T65	50.8	35 - 95	7.65 - 12.60	1	111	60	156	51
D-T69	48.4	70 - 150	10.70 - 15.75	1	118	70	164	51
D-T70	50.8	70 - 150	10.70 - 15.75	1	121	70	168	51
D-T75	50.8	150 - 240	15.75 - 20.25	1	127	76	175	51
D-T77	60.3	70 - 150	10.70 - 15.75	1	130	70	187	57
D-T80	76.2	35 - 95	7.65 - 12.60	1	127	60	191	57
D-T85	76.2	70 - 150	10.70 - 15.75	1	137	70	200	57
D-T90	76.2	150 - 240	15.75 - 20.25	1	140	76	206	57
D-T105	88.9	150 - 240	15.75 - 20.25	1	151	80	222	64

Note: For current rating of parts on this page, contact PLP direct.

Bolted Connections

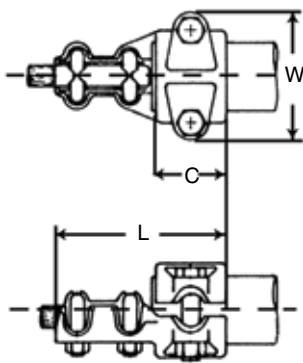


Fig.1

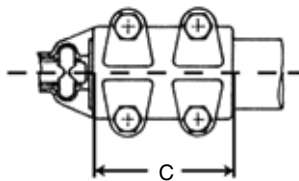


Fig.2

D-E

End Connector Busbar to Conductor (Type E Copper)

A heavy duty tube-to-conductor end connector. The adjustable tap takes a large range of conductors which may be clamped before attaching to tubular bus.

Materials: High copper content alloy casting with stainless steel bolts, U-bolts, washers and nuts.

Part Number	O.D. Tube Run (mm)	Conductor Range		Fig. No.	Dimensions (mm)		
		Area (mm ²)	O.D. (mm)		C	L	W
D-E5	12.7	16 - 95	5.10 - 12.60	1	31.7	86.5	42.9
D-E10	19.1	25 - 95	6.42 - 12.60	1	35.0	88.9	52.4
D-E15	19.1	35 - 95	7.65 - 12.60	1	35.0	98.4	52.4
D-E17	22.2	25 - 95	6.42 - 12.60	1	35.0	88.9	54.0
D-E20	25.4	25 - 95	6.42 - 12.60	1	35.0	88.9	58.8
D-E25	25.4	35 - 95	7.65 - 12.60	1	35.0	98.4	58.8
D-E30	25.4	70 - 150	10.70 - 15.75	1	44.5	117.5	68.2
D-E31C	25.4	150 - 240	15.75 - 20.25	2	60.3	141.3	58.8
D-E32C	25.4	500 - 630	28.80 - 33.80	2	76.2	190.5	73.0
D-E33C	30.0	70 - 150	10.70 - 15.75	2	63.5	139.7	47.6
D-E35	31.8	35 - 95	7.65 - 12.60	1	50.8	117.5	76.2
D-E40	31.8	70 - 150	10.70 - 15.75	1	50.8	127.0	76.2
D-E45	31.8	150 - 240	15.75 - 20.25	1	50.8	136.5	76.2
D-E46	31.8	240 - 400	20.25 - 25.65	2	76.2	168.3	69.9
D-E50	38.1	35 - 95	7.65 - 12.60	1	50.8	117.5	81.0
D-E55	38.1	70 - 150	10.70 - 15.75	1	50.8	123.9	81.0
D-E55C	38.1	70 - 150	10.70 - 15.75	2	76.2	149.3	76.2
D-E60C	38.1	150 - 240	15.75 - 20.25	2	76.2	155.6	76.2
D-E65	50.8	35 - 95	7.65 - 12.60	1	50.8	117.5	95.3
D-E70	50.8	70 - 150	10.70 - 15.75	1	50.8	127.0	95.3
D-E75	50.8	150 - 240	15.75 - 20.25	1	50.8	130.1	95.3
D-E80	76.2	35 - 95	7.65 - 12.60	1	57.1	108.0	127.0
D-E85	76.2	70 - 150	10.70 - 15.75	1	57.1	127.0	127.0
D-E90	76.2	150 - 240	15.75 - 20.25	1	57.1	142.8	127.0

Note: For current rating of parts on this page, contact PLP direct.

Bolted Connections



D-AT

Aluminium Tee Connector Busbar to Conductor (Type AT)

A heavy duty tube-to-cable tee connector. The adjustable tap takes a large range of cables which may be clamped before attaching to tubular bus.

Materials: Cast aluminium alloy body, stainless steel bolts, U-bolts, washers and nuts.

Part Number	O.D. Tube (mm)	Range for Aluminium & Cu Cond.	
		(mm ²)	Dia. Range
D-AT2550	25.4	35 - 95	7.65 - 12.46
D-AT1065	25.4	70 - 150	10.70 - 15.75
D-AT10102	25.4	240 - 400	20.25 - 25.65
D-AT301521	30.0	175 - 345	15.00 - 21.00
D-AT3034	30.0	500 - 630	28.80 - 33.80
D-AT1350	31.8	35 - 95	7.65 - 12.46
D-AT1465	34.9	70 - 150	10.70 - 15.75
D-AT14837	34.9	150 - 240	15.75 - 20.25
D-AT1550	38.1	35 - 95	7.65 - 12.46
D-AT15837	38.1	150 - 240	15.75 - 20.25
D-AT15102	38.1	240 - 400	20.25 - 25.65
D-AT50102	50.0	240 - 400	20.25 - 25.65
D-AT2065	50.8	70 - 150	10.70 - 15.75
D-AT2365	57.2	70 - 150	10.70 - 15.75
D-AT2465	60.3	70 - 150	10.70 - 15.75
D-AT24102	60.3	240 - 400	20.25 - 25.65
D-AT3065	76.2	70 - 150	10.70 - 15.75
D-AT80837	80.0	150 - 240	15.75 - 20.25
D-AT80102	80.0	240 - 400	20.25 - 25.65
D-AT3565	88.9	70 - 150	10.70 - 15.75
D-AT35837	88.9	150 - 240	15.75 - 20.25
D-AT351339	88.9	500 - 630	28.80 - 32.76
D-AT100837	100.0	150 - 240	15.75 - 20.25
D-AT100102	100.0	240 - 400	20.25 - 25.65

Note: For current rating of parts on this page, contact PLP direct.

Bolted Connections



D-AE

Aluminium End Connector Busbar to Conductor (Type AE)

A heavy duty tube-to-conductor end connector. The adjustable tap takes a large range of conductors which may be clamped before attaching to tubular bus.

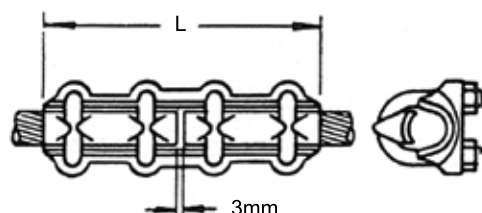
Materials: Cast aluminium alloy body, stainless steel bolts, U-bolts, washers and nuts.

Part Number	O.D. Tube (mm)	Range for Aluminium & Cu Cond.	
		(mm ²)	Dia. Range
D-AE1065	25.4	70 - 150	10.70 - 15.75
D-AE1265	30.2		
D-AE1365	31.8		
D-AE1565	38.1		
D-AE3065	76.2		
D-AE12102	30.2	240 - 400	20.25 - 25.65
D-AE13102	31.8		
D-AE14102	34.9		
D-AE15102	38.1		
D-AE80M837	80.0	150 - 240	15.75 - 20.25
D-AE80M102	80.0	240 - 400	20.25 - 25.65
D-AE10837	25.4	150 - 240	15.75 - 20.25
D-AE60837	60.0		
D-AE15117	38.1	400 - 500	25.65 - 28.80
D-AE35837	88.9	150 - 240	15.75 - 20.25
D-AE2550	25.4	35 - 95	7.65 - 12.46

D-SC

Straight Connector Conductor to Conductor (Type SC Copper)

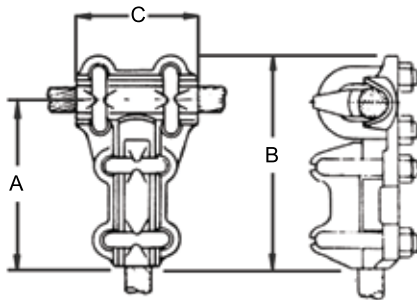
Suitable for sub-station applications which require rugged and vibration proof connections. The longitudinal wave cast in both connector base and clamping bar assures high pull-out strength. Connectors are supplied with stainless steel U-bolts and nuts.



Part Number	Conductor Range				Dim. L (mm)
	Conductor 1		Conductor 2		
	Area (mm ²)	O.D.	Area (mm ²)	O.D.	
D-SC1	16 - 35	5.10 - 7.65	16 - 35	5.10 - 7.65	79
D-SC2	25	6.42	25	6.75	105
D-SC3	35 - 95	7.65 - 12.46	35 - 95	7.65 - 12.60	127
D-SC4	70 - 150	10.70 - 15.75	25	6.75	127
D-SC5	70 - 150	10.70 - 15.75	70 - 150	10.70 - 15.75	143
D-SC7	150 - 240	15.75 - 20.25	25	6.75	149
D-SC8	150 - 240	15.75 - 20.25	70 - 150	10.70 - 15.75	149
D-SC9	150 - 240	15.75 - 20.25	150 - 240	15.75 - 20.25	156

Note: For current rating of parts on this page, contact PLP direct.

Bolted Connections



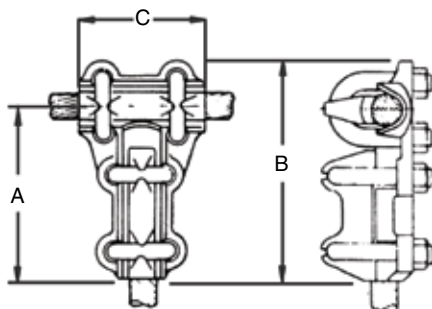
D-ATC

Aluminium Tee Connector Conductor to Conductor (Type ATC)

A high strength aluminium alloy tee connector for all aluminium and SCA run and tap conductors. U-bolts and nuts are stainless steel.

Part Number	Conductor Range OD (mm)		Dimensions (mm)		
	Run	Tap	A	B	C
D-ATC2	6.17 - 11.35	6.17 - 11.35	71	94	51
D-ATC5	10.20 - 16.30	10.20 - 16.30	92	116	70
D-ATC8	16.30 - 21.00	10.20 - 16.30	111	137	83
D-ATC9	16.30 - 21.00	16.30 - 21.00	110	136	83
D-ATC10	21.00 - 26.50	16.30 - 21.00	119	156	89
D-ATC12	21.00 - 26.50	21.00 - 26.50	127	165	89
D-ATC13	25.40 - 22.80	16.30 - 21.00	116	157	102
D-ATC15	25.40 - 33.80	25.40 - 33.80	130	170	89

Note: For current rating of parts on this page, contact PLP direct.



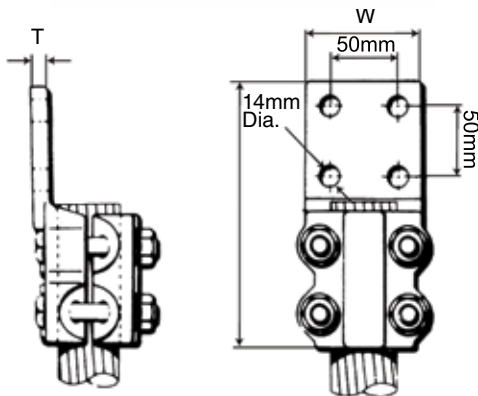
D-TC

Tee Connector Conductor to Conductor (Type TC Copper)

Designed for substation applications such as strain buses, suspension of long droppers and for making important tee-off connections which require rugged and vibration- proof connectors. The longitudinal wave cast in both the connector base and clamping bar assures high pull-out strength. Connectors are supplied with stainless steel U-bolts, and nuts.

Part Number	Conductor Range				Dimensions (mm)		
	Run		Tap		A	B	C
	Area (mm ²)	O.D.	Area (mm ²)	O.D.			
D-TC1	16 - 35	5.10 - 7.65	10 - 35	5.10 - 7.65	60	79	38
D-TC2	25 - 70	6.42 - 10.70	25 - 70	6.42 - 10.70	70	90	51
D-TC3	35 - 95	7.65 - 12.60	35 - 95	7.65 - 12.60	83	103	60
D-TC4	70 - 150	10.70 - 15.75	25 - 70	6.42 - 10.70	75	98	70
D-TC5	70 - 150	10.70 - 15.75	70 - 150	10.70 - 15.75	92	116	70
D-TC6	70 - 150	10.70 - 15.75	150 - 240	15.75 - 20.25	95	122	70
D-TC7	150 - 240	15.75 - 20.25	25 - 70	6.42 - 10.70	76	105	76
D-TC8	150 - 240	15.75 - 20.25	70 - 150	10.70 - 15.75	95	122	76
D-TC9	150 - 240	15.75 - 20.25	150 - 240	15.75 - 20.25	102	127	76
D-TC12	240 - 400	20.25 - 25.65	240 - 400	20.25 - 25.65	121	156	83
D-TC20	500 - 630	28.80 - 32.76	500 - 630	28.80 - 33.80	140	178	102

Bolted Connections



D-AN

Aluminium Terminal Lug Conductor to Palm (Types AN & AN-B22)

A clamp-type aluminium alloy terminal which accommodates a broad range of aluminium, copper and SCA conductors. Type AN75 is normally supplied with blank palm. 1 or 2 bolt drilling can be supplied to customers' specifications.

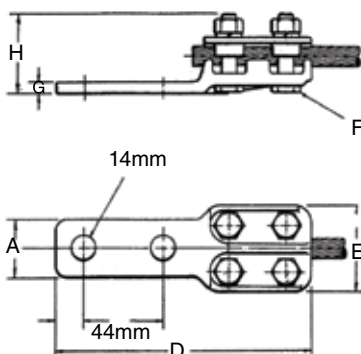
Type AN93-B22 through AN134-B22 has four 14mm holes drilled at 50mm centres. Other drilling on request. Heads of bolts are captured to permit single spanner installation. Suitable for use on copper or aluminium terminal pads when installed with Alminox. Standard hardware is stainless steel.

Part Number	Conductor Range OD (mm)		Dimensions (mm)			No. of Holes
	Area (mm ²)	O.D.	A	B	C	
D-AN75	35 - 185	7.65 - 17.64	149	44	85	-
D-AN93B22	150 - 300	15.75 - 22.68	171	83	89	4
D-AN113B22	300 - 500	22.68 - 28.80	179	83	96	4
D-AN134B22	500 - 630	28.80 - 33.80	188	83	95	4

D-NT

Terminal Lug Conductor to Palm (Type NT Copper)

The type NT terminal lug is designed for use with imported switchgear having the NEMA standard terminal drilling. Castings are of high copper content alloy. Bolts, nuts and spring washers are stainless steel.



Part Number	Conductor Range		Dimensions (mm)					
	Area (mm²)	O.D.	A	D	E	F	G	H
D-NT1	6.17 - 11.35	5.10 - 10.70	32	129	49	M10	6	40
D-NT2	10.20 - 16.30	10.70 - 15.75	38	129	56	M10	8	46
D-NT3	16.30 - 21.00	15.75 - 20.25	44	146	62	M10	10	52
D-NT4	16.30 - 21.00	20.25 - 25.65	54	152	76	M12	13	59
D-NT5	21.00 - 26.50	25.65 - 33.80	64	159	83	M12	13	65

Note: For current rating of parts on this page, contact PLP direct.

Bolted Connections



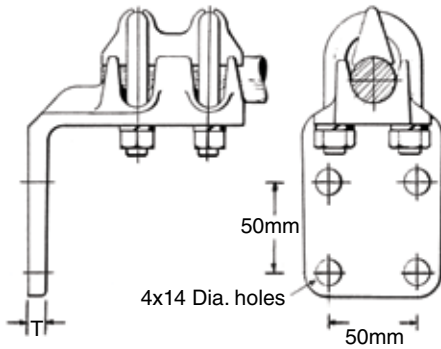
D-TL

Right Angle Terminal Lug Conductor to Palm (Type TL_C Copper & ATL_C Aluminium)

For use when terminating conductors at right angles to switchgear terminal plates. Castings are in high copper content alloy. U-bolts, nuts and spring washers are stainless steel.

Part Number	Conductor Range		Dimensions (mm)
	Area (mm ²)	O.D.	A
D-TL3C22	70 - 150	10.70 - 15.75	8
D-TL4C22	150 - 240	15.75 - 20.25	10
D-TL7C22	500 - 630	28.80 - 33.80	11

Note: To order in aluminium, add prefix 'A' to part number. For current rating of parts on this page, contact PLP direct.



Bolted Connections



D-TL

Terminal Lug Conductor to Palm (Type TL Copper & ATL Aluminium)

A high compression lug particularly suited to connections subject to vibration and strain. The longitudinal wave case of both lug and clamping bar assures high pullout strength. Supplied with stainless steel hardware.

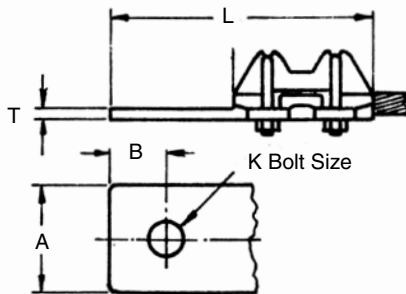


Fig.1

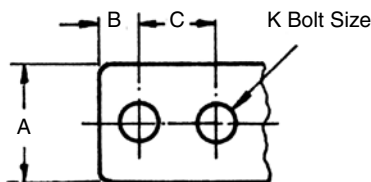


Fig.2

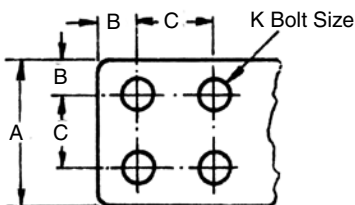


Fig.3

Part Number	Conductor Range		Fig. No.	Dimensions (mm)					
	Area (mm ²)	O.D. (mm)		A	B	C	K	T	L
D-TL0	16 - 35	5.10 - 7.65	1	25	13	-	M10	6	67
D-TL0 2B1	16 - 35	5.10 - 7.65	1	50	25	-	M10	7	92
D-TL0 187	16 - 35	5.10 - 7.65	2	25	13	48	M10	7	113
D-TL1	25 - 70	6.75 - 10.70	2	32	13	29	M10	6	105
D-TL2	35 - 95	7.65 - 12.60	2	32	13	29	M10	8	117
D-TL2 150	35 - 95	7.65 - 12.60	2	32	16	38	M10	9	137
D-TL2 187	35 - 95	7.65 - 12.60	2	32	13	48	M10	9	137
D-TL2 200	35 - 95	7.65 - 12.60	2	32	16	50	M12	9	149
D-TL2 B1	35 - 95	7.65 - 12.60	1	44	22	---	M20	9	108
D-TL3	70 - 150	10.70 - 15.75	2	35	16	38	M12	10	140
D-TL3 B22	70 - 150	10.70 - 15.75	3	79	14	50	M12	8	160
D-TL3 187	70 - 150	10.70 - 15.75	2	35	16	48	M12	10	149
D-TL3 2B1	70 - 150	10.70 - 15.75	1	50	25	---	M10	9	127
D-TL3 B4	70 - 150	10.70 - 15.75	3	64	13	38	M10	7	137
D-TL3 B22C	70 - 150	10.70 - 15.75	3	102	25	50	M12	14	181
D-TL4	150 - 240	15.75 - 20.25	2	38	16	38	M12	10	146
D-TL4 B22	150 - 240	15.75 - 20.25	3	83	16	50	M12	10	165
D-TL4 187	150 - 240	15.75 - 20.25	2	38	16	48	M12	10	156
D-TL4 B4	150 - 240	15.75 - 20.25	3	64	13	38	M10	8	140
D-TL4 B5	150 - 240	15.75 - 20.25	3	76	13	50	M10	7	159
D-TL5	240 - 400	20.25 - 25.65	2	41	16	38	M12	13	156
D-TL5 B22	240 - 400	20.25 - 25.65	3	83	16	50	M12	10	173
D-TL5 187	240 - 400	20.25 - 25.65	2	41	16	48	M12	13	165
D-TL5 B4	240 - 400	20.25 - 25.65	3	76	19	38	M10	9	165
D-TL5 B5	240 - 400	20.25 - 25.65	3	76	13	50	M10	9	165
D-TL6	400 - 500	25.65 - 28.80	2	48	19	38	M12	14	165
D-TL6 B22	400 - 500	25.65 - 28.80	3	83	16	50	M12	9	176
D-TL7	500 - 630	28.80 - 32.76	2	48	19	38	M12	16	178
D-TL7 B22	500 - 630	28.80 - 32.76	3	83	16	50	M12	11	187
D-TL7 B4	500 - 630	28.80 - 32.76	3	76	19	38	M10	10	184
D-TL7 B5	500 - 630	28.8 - 32.76	3	76	13	50	M10	10	184

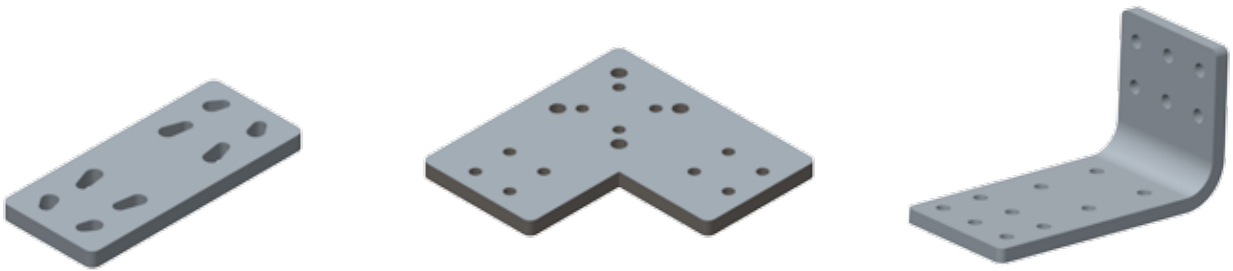
Note: To order in aluminium, add prefix 'A' to part number. For current rating of parts on this page, contact PLP direct.

Adaptor Plates

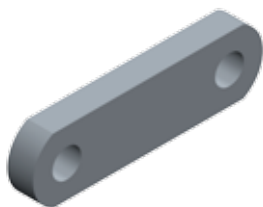
AAP

Aluminium Adaptor Plate

Adaptor plates are designed to be used on equipment, post insulators and other custom application within a switch yard and are manufactured to suit. Adaptor plates are generally made from 5000 or 6000 series aluminium with Australian standard palm configurations. Please contact PLP with required dimensions and specific needs.



Overhead & Landing Span Fittings



LSP

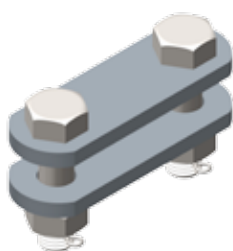
Link (Single Plate) Galvanised Steel

Part Number	Rating kN	Hole Separation (mm)
LSP-070-#	70	#
LSP-120-#	120	#
LSP-160-#	160	#
LSP-210-#	210	#
LSP-270-#	270	#

Part Number System

LSP	Link Single Plate
070	Link Plate Rating (070, 120, 160 available)
#	Hole Separation (100, 150, 200, 250, 300, 350)

Example: LSP-070-100



L

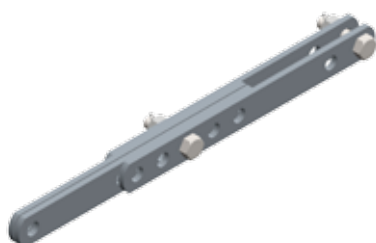
Link (Double Plate) Galvanised Steel

Part Number	Rating (kN)	Hole Separation (mm)
L-070-#	70	#
L-120-#	120	#
L-160-#	160	#
L-210-#	210	#

Part Number System

L	Link Single Plate
070	Link Plate Rating (070, 120, 160 available)
#	Hole Separation (100, 150, 200, 250, 300, 350)

Example: L-070-100



CTSL

Clevis Tongue Sag Link Galvanised Steel

Part Number	Rating (kN)	Hole Ø (mm)	Range (mm)	
			Minimum	Maximum
CTSL-070-1	70	18	556	974
CTSL-120	120	18	565	870
CTSL-160-1	160	22	535	735
CTSL-210-1	210	22	535	735

Part Number System

CTSL	Clevis Tongue Sag Link
070	Sag Link Rating (070, 120, 160 available)

Overhead & Landing Span Fittings



MTL

Maintenance Tension Link Galvanised Steel

Part Number	Tension Rating (kN)	Hole Centre Spacing (mm)
MTL-160-4	160	60



YPT

Yoke Plate Triangular Galvanised Steel

Part Number	Tension Rating (kN)	Hole Centre Spacing (mm)
YPT-070-#	70	#
YPT-120-#	120	#
YPT-160-#	160	#
YPT-210-#	210	#

Part Number System

YPT	Yoke Plate Triangular
070	Yoke Plate Rating (070, 120, 160 available)
#	Hole Separation (070, 100, 125, 150, 200, 250, 380, 460 available)

Example: YPT-070-100



YPR

Yoke Plate Rectangular Galvanised Steel

Part Number	Tension Rating (kN)	Hole Centre Spacing (mm)
YPR-070-#	70	#
YPR-120-#	120	#
YPR-160-#	160	#

Part Number System

YPR	Yoke Plate Rectangular
070	Yoke Plate Rating (070, 120, 160 available)
#	Hole Separation (070, 100, 125, 150, 200, 250, 380, 460 available)

Example: YPR-070-100

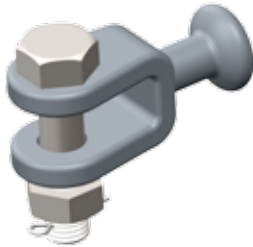
Overhead & Landing Span Fittings



BE

Ball Eye Galvanised Steel

Part Number	Tension Rating (kN)	Ball Size (mm)
BE-070-1	70	16
BE-120	120	20
BE-160	160	20



BC

Ball Clevis Galvanised Steel

Part Number	Tension Rating (kN)	Bolt Size (mm)
BC-070-1	70	M16
BC-120-1	120	M16
BC-160-3	160	M20



ET

Eye Tongue Galvanised Steel

Part Number	Tension Rating (kN)
ET-070-1	70
ET-120-1	120
ET-160-1	160



TET

Twisted Eye Tongue Galvanised Steel

Part Number	Tension Rating (kN)
TET-070	70
TET-120-1	120
TET-160-1	160

Overhead & Landing Span Fittings

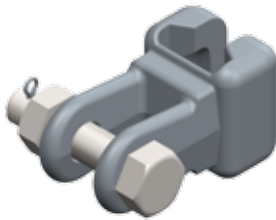


SB

Socket Ball Galvanised Steel

- Available with 'W' or 'R' type security clips
- Used with deep skirt 'Fog' Insulators

Part Number	Tension Rating (kN)	Socket Size (mm)	Ball Size (mm)
SB-070-1	70	16	16
SB-120-3	120	20	20
SB-160-4	160	20	20



SC

Socket Clevis Galvanised Steel

Available with 'W' or 'R' type security clips.

Part Number	Tension Rating (kN)	Socket Size (mm)	Bolt Size (mm)
SC-070-1	70	16	M16
SC-120-1	120	16	M16
SC-160-1	160	20	M20



TST

Twisted Socket Tongue Galvanised forged Steel or Cast Iron

Available with 'W' or 'R' type security clips.

Part Number	Tension Rating (kN)	Bolt Size (mm)
TST-070-1	70	M16
TST-120-1	120	M16
TST-160-1	160	M20



TC

Tongue Clevis Galvanised Forged Steel

Part Number	Tension Rating (kN)	Bolt Size (mm)
TC-070-1	70	M16
TC-120-1	120	M16

Overhead & Landing Span Fittings



TCT

Twisted Clevis Tongue Galvanised Forged Steel

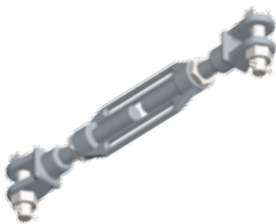
Part Number	Tension Rating (kN)	Bolt Size (mm)
TCT-070-1	70	M16
TCT-160-1	160	M20



S

Shackle Galvanised forged Steel

Part Number	Tension Rating (kN)	Bolt Size (mm)
S-070-1	70	M16
S-120-1	120	M16
S-160-1	160	M20



TBCC

Turnbuckles - Clevis/Clevis Galvanised Forged Steel

Part Number	Rating (kN)	Bolt Size (mm)	Range (mm)	
			Minimum	Maximum
TBCC-070-1	70	M16	350	480
TBCC-160-1	160	M20	480	600



TBCT

Turnbuckles - Clevis/Tongue Galvanised forged Steel

Part Number	Rating (kN)	Bolt Size (mm)	Range (mm)	
			Minimum	Maximum
TBCT-070-1	70	M16	350	480
TBCT-160-1	160	M20	480	600



Overhead & Landing Span Fittings



TBEC

Turnbuckles - Eye/Clevis Galvanised forged Steel

Part Number	Rating (kN)	Bolt Size (mm)	Range (mm)	
			Minimum	Maximum
TBEC-070-1	70	M16	350	480
TBEC-160-1	160	M20	480	600



TBEE

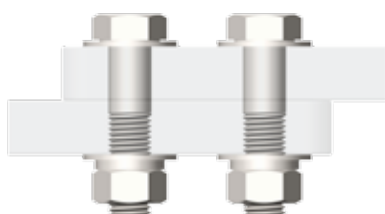
Turnbuckles - Eye/Eye Galvanised Forged Steel

Part Number	Rating (kN)	Range (mm)	
		Minimum	Maximum
TBEE-070-1	70	350	480
TBEE-160-1	160	480	600

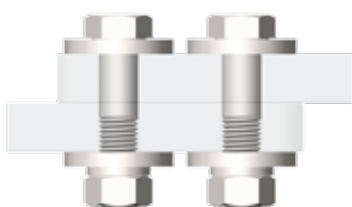
Overhead & Landing Span Fittings

Fasteners

Galvanised & Stainless Steel Assemblies



Assembly D



Assembly E



Assembly F

Part Number (Galvanised)	Part Number (Stainless Steel)	Assembly Type	Metric Type
GHBA-12050D-8.8	SHBA-12050D-S/S	D (1 BOLT, 1 NUT , 1 SPRING WASHER, 2 FLAT WASHERS)	M12
GHBA-12060D-8.8	SHBA-12060D-S/S		
GHBA-12070D-8.8	SHBA-12070D-S/S		
GHBA-12080D-8.8	SHBA-12080D-S/S		
GHBA-12090D-8.8	SHBA-12080D-S/S	E (1 BOLT, 1 NUT, 1 SPRING WASHER, 2 HEAVY DUTY WASHERS)	
GHBA-12050E-8.8	SHBA-12050E-S/S		
GHBA-12060E-8.8	SHBA-12060E-S/S		
GHBA-12070E-8.8	SHBA-12070E-S/S		
GHBA-12080E-8.8	SHBA-12080E-S/S	F (1 BOLT, 1 NYLOC NUT, 1 SPRING WASHER, 2 HEAVY DUTY FLAT WASHER)	
GHBA-12090E-8.8	SHBA-12090E-S/S		
	SHBA-12050F-S/S		
	SHBA-12060F-S/S		
	SHBA-12070F-S/S		
	SHBA-12080F-S/S		
	SHBA-12090F-S/S		
GHBA-16050D-8.8	SHBA-16050D-S/S		
GHBA-16060D-8.8	SHBA-16060D-S/S	D (1 BOLT, 1 NUT, 1 SPRING WASHER, 2 FLAT WASHERS)	M16
GHBA-16070D-8.8	SHBA-16070D-S/S		
GHBA-16080D-8.8	SHBA-16080D-S/S		
GHBA-16090D-8.8	SHBA-16090D-S/S		
GHBA-16050E-8.8	SHBA-16050E-S/S	E (1 BOLT, 1 NUT, 1 SPRING WASHER, 2 HEAVY DUTY WASHERS)	
GHBA-16060E-8.8	SHBA-16060E-S/S		
GHBA-16070E-8.8	SHBA-16070E-S/S		
GHBA-16080E-8.8	SHBA-16080E-S/S		
GHBA-16090E-8.8	SHBA-16090E-S/S	F (1 BOLT, 1 NYLOC NUT, 1 SPRING WASHER, 2 HEAVY DUTY FLAT WASHER)	
	SHBA-16050F-S/S		
	SHBA-16060F-S/S		
	SHBA-16070F-S/S		
	SHBA-16080F-S/S		
	SHBA-16090F-S/S		

To minimise the risk of 'galling' or cold welding that occurs with stainless fasteners, PLP does two things.

1. Threads are lubricated with black graphite grease. Care should be taken to ensure this is not wiped completely off during handling.
2. By using different stainless alloy grades for the bolt and the nut galling can be reduced. The key is the mating of materials that have different hardness. By using 316 nuts and 304 bolts, there is less chance of galling than if the two are the same alloy grade. This is because the different alloys work-harden at different rates and so cold welding is minimised.

SSLP

Stainless Steel Locking Plates (GR 304)



Part Number	Hole Centres (mm)	Length (mm)	Width (mm)	Hole Diameter (mm)
SSLP-25-44-3	44	82	25	14
SSLP-25-50-3	50	90	25	14
SSLP-30-60-3	60	114	30	18

Conductors

PLP imports a full range of AAC, AAAC-1120, ACSR, aluminium clad steel (SC/AC), and Optical Fibre Ground Wire (OPGW) for overhead transmission, and distribution power lines and substation. A range of commonly used conductors are stocked in Sydney in full length drums. PLP provides a de-coiling service for the supply of less than drum lengths. Conductor is manufactured to Australian Standard and/or IEC and supplied with Factory Acceptance Test reports as is required by these Standards.

Type AAC 1350 – All Aluminum Conductor

AS 1531-1991

Part Number	Conductor Code	Stranding and Wire Diameter (No/mm)	Nominal Overall Diameter (mm)	Cross Sectional Area (mm ²)	Approx. Mass (kg/km)	Breaking Load (kN)	Modulus of Elasticity (GPa)	Coefficient of Linear Expansion (x10 ⁻⁶ /oC)	DC Resistance (Ω/km)
AAC-7/2.50	Leo	7/2.50	7.50	34.36	94.3	5.71	65	23.0	0.833
AAC-7/2.75	Leonids	7/2.75	8.25	41.58	113	6.72	65	23.0	0.689
AAC-7/3.00	Libra	7/3.00	9.00	49.48	135	7.98	65	23.0	0.579
AAC-7/3.75	Mars	7/3.75	11.30	77.28	211	11.8	65	23.0	0.370
AAC-7/4.50	Mercury	7/4.50	13.50	111.30	304	16.9	65	23.0	0.258
AAC-7/4.75	Moon	7/4.75	14.30	124.00	339	18.9	65	23.0	0.232
AAC-19/3.25	Neptune	19/3.25	16.30	157.60	433	24.7	65	23.0	0.183
AAC-19/3.50	Orion	19/3.50	17.50	182.80	503	28.7	65	23.0	0.157
AAC-19/3.75	Pluto	19/3.75	18.80	209.80	576	31.9	65	23.0	0.137
AAC-37/3.00*	Saturn	37/3.00	21.00	261.60	721	42.2	64	23.0	0.110
AAC-37/3.25	Sirius	37/3.25	22.80	307.00	845	48.2	64	23.0	0.094
AAC-19/4.75	Taurus	19/4.75	23.80	336.70	924	51.3	65	23.0	0.0857
AAC-37/3.75*	Triton	37/3.75	26.30	408.50	1120	62.2	64	23.0	0.0706
AAC-61/3.25*	Uranus	61/3.25	29.30	506.10	1400	75.2	64	23.0	0.0573
AAC-61/3.50	Ursula	61/3.50	31.50	586.90	1620	87.3	64	23.0	0.0493
AAC-61/3.75*	Venus	61/3.75	33.80	673.40	1860	97.2	64	23.0	0.0429

* Represents conductors held in stock at PLP Australia. Stocked conductors can be supplied to required length.
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 Please contact PLP Australia for more details

Conductors

Type AAAC 1120 – All Aluminum Alloy Conductor AS 1531-1991

Part Number	Conductor Code	Stranding and Wire Diameter (No/mm)	Nominal Overall Diameter (mm)	Cross Sectional Area (mm ²)	Approx. Mass (kg/km)	Breaking Load (kN)	Modulus of Elasticity (GPa)	Coefficient of Linear Expansion (x10-6/oC)	DC Resistance (Ω/km)
AAAC/1120 - 7/2.50	Chlorine	7/2.50	7.50	34.36	94.3	8.18	65	23.0	0.864
AAAC/1120 - 7/2.75	Chromium	7/2.75	8.25	41.58	113	9.91	65	23.0	0.713
AAAC/1120 - 7/3.00	Fluorine	7/3.00	9.00	49.48	135	11.8	65	23.0	0.599
AAAC/1120 - 7/3.75	Helium	7/3.75	11.30	77.28	211	17.6	65	23.0	0.383
AAAC/1120 - 7/4.50	Hydrogen	7/4.50	13.50	111.30	304	24.3	65	23.0	0.266
AAAC/1120 - 7/4.75	Iodine	7/4.75	14.30	124.00	339	27.1	65	23.0	0.239
AAAC/1120 - 19/3.25	Krypton	19/3.25	16.30	157.60	433	37.4	65	23.0	0.189
AAAC/1120 - 19/3.50	Lutetium	19/3.50	17.50	182.80	503	41.7	65	23.0	0.163
AAAC/1120 - 19/3.75*	Neon	19/3.75	18.80	209.80	576	47.8	65	23.0	0.142
AAAC/1120 - 37/3.00	Nitrogen	37/3.00	21.00	261.60	721	62.2	64	23.0	0.114
AAAC/1120 - 37/3.25	Nobelium	37/3.25	22.80	307.00	845	72.8	64	23.0	0.0973
AAAC/1120 - 19/4.75	Oxygen	19/4.75	23.80	336.70	924	73.6	65	23.0	0.0884
AAAC/1120 - 37/3.75*	Phosphorus	37/3.75	26.30	408.50	1120	93.1	64	23.0	0.0731
AAAC/1120 - 61/3.25	Selenium	61/3.25	29.30	506.10	1400	114	64	23.0	0.0592
AAAC/1120 - 61/3.50	Silicon	61/3.50	31.50	586.90	1620	127	64	23.0	0.0511
AAAC/1120 - 61/3.75*	Sulphur	61/3.75	33.80	673.40	1860	145	64	23.0	0.0444

Type ACSR-GZ 1350 AS 3607-1989

Part Number	Conductor Code	Stranding and Wire Diameter		Nominal Overall Diameter (mm)	Cross Sectional Area (mm ²)	Approx. Mass (kg/km)	Breaking Load (kN)	Modulus of Elasticity (GPa)	Coefficient of Linear Expansion (x10-6/oC)	DC Resistance (Ω/km)
		Aluminum (No/mm)	Steel (No/mm)							
ACSR - 61/2.50	Almond	6/2.50	1/2.50	7.5	34.36	119	10.5	83	19.3	0.975
ACSR - 61/2.75	Apricot	6/2.75	1/2.75	8.3	41.58	144	12.6	83	19.3	0.805
ACSR - 61/3.00	Apple	6/3.00	1/3.00	9.0	49.48	171	14.9	83	19.3	0.677
ACSR - 61/3.75	Banana	6/3.75	1/3.75	11.3	77.31	268	22.7	83	19.3	0.433
ACSR - 6/4.75 7/1.60	Cherry	6/4.75	7/1.60	14.3	120.4	402	33.4	80	19.9	0.271
ACSR - 30/7/2.50	Grape	30/2.50	7/2.50	17.5	181.6	677	63.5	88	18.4	0.196
ACSR - 30/7/3.00	Lemon	30/3.00	7/3.00	21.0	261.5	973	90.4	88	18.4	0.136
ACSR - 30/7/3.25	Lychee	30/3.25	7/3.25	22.8	306.9	1140	105	88	18.4	0.116
ACSR - 30/7/3.50	Lime	30/3.50	7/3.50	24.5	356.0	1320	122	88	18.4	0.100
ACSR - 54/7/3.00	Mango	54/3.00	7/3.00	27.0	431.2	1440	119	78	19.9	0.0758
ACSR - 54/7/3.25	Orange	54/3.25	7/3.25	29.3	506.0	1690	137	78	19.9	0.0646
ACSR - 54/7/3.50	Olive	54/3.50	7/3.50	31.5	586.9	1960	159	78	19.9	0.0557
ACSR - 54/3.719/2.25	Pawpaw	54/3.75	19/2.25	33.8	672.0	2240	178	77	20.0	0.0485
ACSR - 3/4/2.50	Rasin	3/2.50	4/2.50	7.5	34.36	195	24.4	136	13.9	1.59
ACSR - 4/3/3.00	Sultana	4/3.00	3/3.00	9.0	49.48	243	28.3	119	15.2	0.897
ACSR - 4/3/3.75	Walnut	4/3.75	3/3.75	11.3	77.31	380	43.9	119	15.2	0.573

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