PREFORMED LINE PRODUCTS
The connection you can count on.

COMMUNICATIONS ENERGY SPECIAL INDUSTRIES SOLAR





DISTRIBUTION CATALOGUE





Australian Manufacturer of
Busbar Systems
For Substations

The Connection You Can Count On

PREFORMED LINE PRODUCTS
The connection you can count on.





DISTRIBUTION CATALOGUE

distribution catalogue

Also available:

- Transmission Catalogue
- Substation Catalogue
- Communications Catalogue

Preformed
Line Products

Preformed Line Products (PLP) has been supplying product to Australian power utilities for almost 50 years. Many of the original products are still to be found in the electricity network today, highlighting the exceptionally high quality standards that are expected and supplied.

The company has three major operating divisions, PLP which manufactures and carries a range of products for the power distribution, power transmission, substation and communications markets. Rack Technologies which has a range of cabinets and enclosures for the data communication, electronics, electrical and security markets and BlueSky Energy which offers solar power products and sustainable energy systems.

PLP's Australian operation boasts in-house manufacturing, engineering, testing, sales and administration. The modern manufacturing facility in the Sydney suburb of Glendenning includes wire forming, forging, casting, plastic moulding & extrusion, sheet metal work, powder coating and assembly. The manufacturing facility is supported by a modern toolroom which includes the latest CNC vertical machining centre, linked directly to the engineering office.













Sales & Service
Documentation

Preformed Line Products (Australia) has been manufacturing fittings for the electricity distribution industry for more than 50 years. PLP manufactures fittings for bare and insulated overhead cabling for aluminium and copper systems for the power distribution sector and for rail networks.

PLP Australia manufactures products that cover the functions of termination, suspension, connection and protection along with a wide range of line hardware fittings and accessories. An extensive range of standard fittings are stocked at our Glendenning warehouse. In addition with PLP Australia's engineering expertise, skills and resources, PLP can effectively design, develop and produce fittings to overcome problems that face the customer in the field.

Although the majority of fittings in the upcoming distribution catalogue are to suit Australian Standard cable sizes, PLP Australia has additional products to suit British, European and other cable standards.

If you have a particular requirement, please do not hesitate to contact PLP on (02) 8805 0000.

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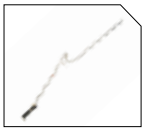
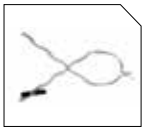
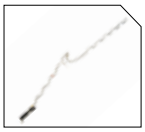
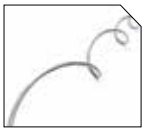
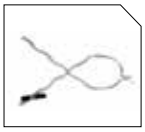
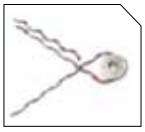
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"Preformed Line Products Australia has been manufacturing fittings for the power distribution market for more than 50 years."



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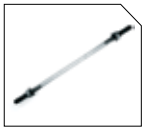
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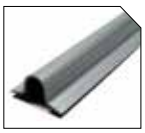
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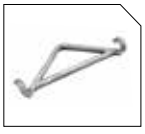
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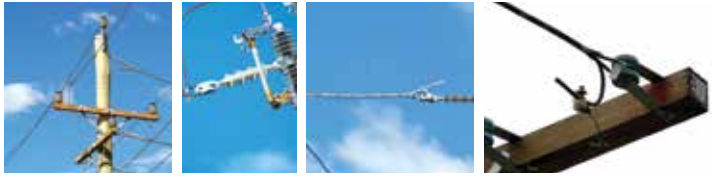
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"PLP manufactures fittings for bare and insulated overhead cabling for aluminium and copper systems for the power distribution sector and for rail networks."





PREFORMED™ Deadend Grip

General Recommendations





The preformed deadend is designed to grip uniformly to prevent distortion of the conductor. It also offers a unique design that eliminates bolts, nuts, washers and other component parts that may become lost or damaged during installation or in service. Deadends should be used only on the size and type of conductors for which they are designed. They must have the same lay as the conductor to which they are being applied. All deadend fittings have colour coded markings to indicate starting point for application and to assist in identification. Colour codes are as per AS1154.3

For Application Procedures, visit the PLP website.
www.preformed.com.au

SAFETY CONSIDERATIONS

- This product is intended for a single (one-time) use and for the specified application, although it may be re-applied twice for retensioning within 90 days from initial installation.
- Do not modify this product in any way.
- This product is intended for use by qualified linesmen only.
- When working in the area of energised line with this product, extra care should be taken to prevent accidental electrical contact.
- For proper performance and personal safety, be sure to select the proper sized PREFORMED™ products before application.
- PREFORMED™ products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.

PREFORMED™ Deadend Grip



For AAC, AAAC, and Limited Tension on Large Ø ACSR



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
AFG-053	7/1.75	5.25	50	Purple
AFG-063	7/2.11	6.33	50	Yellow
AFG-068	7/2.25	6.75	50	Brown
AFG-075	7/2.50	7.50	40	Blue
AFG-083	7/2.75	8.30	40	White
AFG-090-CL	7/3.00	9.00	40	Red
AFG-102-CL	7/3.40	10.20	30	Purple
AFG-105	7/3.50	10.50	25	Blue
AFG-113-CL	7/3.75	11.25	25	Black
AFG-118-CL	19/2.36	11.80	25	Brown
AFG-135-CL	7/4.50	13.50	15	Green
AFG-143-CL	7/4.75	14.30	10	Blue
AFG-163-CL	19/3.25	16.30	10	Orange
AFG-169-CL	19/3.38	16.90	10	Orange
AFG-175-CL	37/2.50	17.50	20	Blue
AFG-188-CL	19/3.75	18.80	15	Black
AFG-210-CL	37/3.00	21.00	10	Red
AFG-232-CL	19/4.65	23.25	10	Green
AFG-240-LT-CL	19/4.75	23.80	10	Blue
AFG-263-LT-CL	37/3.75	26.30	10	Black

Contact PLP for other sizes.
LT = Denotes Limited Tension only (85% UTS of AAC and 65% of AAAC & ACSR Conductors)
CL= Denotes Cable Loop

For SC/AC Conductors Left Hand Lay Standard



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
AWFG-K023	3/2.75	5.91	50	White
AWFG-K032	3/3.25	6.98	35	Orange
AWFG-K040	3/3.75	8.06	30	Black
AWFG-K050	7/2.75	8.25	40	White
AWFG-K060-8	7/3.05	9.15	10	Red
AWFG-K070	7/3.25	9.75	10	Orange
AWFG-K088	7/3.75	11.25	10	Black
AWFG-K106	7/4.25	12.75	10	Brown
AWFG-K136	19/2.75	13.75	10	White

Note: Contact PLP for deadends to suit right hand lay conductors.

PREFORMED™ Deadend Grip



For ACSR - Single Piece



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
AWFG-053	3/4/1.75	5.25	75	Purple
AWFG-063-X	6/1/2.11	6.30	30	Yellow
AWFG-075-X	6/1/2.50 3/4/2.50	7.50	30	Blue
AWFG-090-X	6/1/3.00 4/3/3.00	9.00	30	Red
AWFG-101-X	6/1/3.35 3/4/3.37	10.05	30	Orange
AWFG-113-X	6/1/3.75 4/3/3.75	11.25	20	Black
AWFG-125-X	12/7/2.50	12.50	10	Blue
AWFG-143-X	6/4.75+7/1.60	14.30	10	Blue

For ACSR - Multi Piece (Full Tension)



Part Number	Conductor Stranding/Name	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
FTG-049-SB	Mullet	4.90	15	Green
FTG-051-SB	Herring	5.10	50	Green
FTG-059-SB	Goldeye	5.90	50	Yellow
FTG-064-SB	Flounder	6.40	15	Black
FTG-075-SB	Greyling	7.50	20	Blue
FTG-084-SB	Pickerel	8.40	20	White
FTG-087-SB	Lamprey	8.70	20	White
FTG-113	6/1/3.75	11.25	10	Red
FTG-117	12/7/2.34	11.70	10	Brown
FTG-125-AW	12/7/2.50 12/7/2.59	12.50	20	Blue
FTG-143	6/4.75/7/1.60	14.30	10	Blue
FTG-146	7/4.39/7/1.93	14.60	10	Blue
FTG-150	12/7/3.00	15.00	15	Red
FTG-155	18/1/3.09	15.54	15	Black
FTG-157	26/2.54/7/1.91	15.90	15	Blue
FTG-165	30/7/2.36	16.52	15	Brown
FTG-175	30/7/2.50	17.50	15	Blue
FTG-193	18/1/3.86	19.30	10	Black
FTG-210	30/7/3.00	21.00	10	Red
FTG-245	30/7/3.50	24.50	10	Purple

Note: **-SB** refers to Smooth Body conductors

PREFORMED™ Deadend Grip



For Galvanised Conductor and Stays SC/GZ



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
GFG-025-CL	1/2.50	2.50	50	Blue
GFG-031-CL	1/3.15 1/3.25	3.15 3.24	50	Red/Orange
GFG-038-CL	7/1.25	3.75	50	Black
GFG-043-CL	3/2.00	4.25	50	Brown
GFG-048-CL	7/1.60	4.80	50	Black
GFG-055	3/2.75	5.50	75	White/Green
GFG-060-CL	7/2.00	6.00	50	Yellow
GFG-069	7/2.30	6.90	50	Brown
GFG-075	7/2.75	8.25	40	Blue
GFG-083-CL	7/2.75	8.25	20	White
GFG-090	7/3.00	9.00	20	Red
GFG-100	7/3.25 19/2.00	9.75 10.00	20	Orange/ Yellow
GFG-113-CL	7/3.75	11.25	15	Black
GFG-120	7/4.00	12.00	15	Black
GFG-138	19/2.75	13.75	10	White
GFG-150	19/3.00	15.00	10	Red
GFG-163	19/3.25	16.25	6	Orange
GFG-188	19/3.75	18.80	5	Black

Contact PLP for other sizes
CL = Denotes Cable Loop

For Wire Rope



Part Number	Wire Rope Diameter (mm)	Standard Pack	Colour Code
GFG-090-WR	9.00	20	Green
GFG-100-WR	10.00	20	Yellow
GFG-120-WR	12.00	15	Black
GFG-130-WR	13.00	10	Green
GFG-140-WR	14.00	10	Yellow
GFG-160-WR	16.00	10	White
GFG-180-WR	18.00	6	Blue
GFG-190-WR	19.00	6	Black

PREFORMED™ Deadend Grip



For Copper Conductor (HDC)
Right Hand Lay Standard



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
CFG-030	7/1.00	3.00	50	White
CFG-038	7/1.25	3.75	50	Green
CFG-043	3/2.00 7/1.35	4.25 4.05	75	Yellow/Green
CFG-048	7/1.63	4.89	75	Black
CFG-053	7/1.75 7/1.73	5.25 5.18	75	Purple
CFG-060	7/2.00	6.00	50	Yellow
CFG-075	7/2.50	7.50	40	Blue
CFG-083	7/2.75	8.25	40	White
CFG-088	19/1.75	8.75	40	Purple
CFG-100-CL	19/2.00 7/3.50 19/2.11	10.00 10.50 10.55	25	Yellow
CFG-113-CL	7/3.75	11.25	15	Black
CFG-117	19/2.33	11.65	20	Blue
CFG-125	19/2.56 37/1.75	12.80 12.25	15	Blue/Purple
CFG-138-CL	19/2.75	13.80	10	White
CFG-150-CL	19/3.00	15.00	10	Red
CFG-166	19/3.33 37/2.36	16.65 16.52	10	Orange
CFG-175-CL	37/2.50	17.50	10	White
CFG-183-CL	37/2.62	18.30	5	White
CFG-193-CL	37/2.75	19.30	5	White
CFG-203-CL	61/2.25	20.25	5	Brown
CFG-210-LT-CL	37/3.00	21.00	5	Red
CFG-235-CL	61/2.64	23.50	5	Orange
CFG-260-LT-CL	91/2.36 61/2.85	25.96 25.65	5	Black

Note: Cad copper conductors are left hand lay and require LHL grips. Contact PLP for further information and other available sizes.

CL = Denotes Cabled Loop
LT = Denotes Limited Tension

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PREFORMED™ Deadend Grip



For Covered Conductor



This service grip is designed to secure multi-core and neutral screened cables. The fitting is similar to the service conductor grip with the exception of the separate neoprene sleeve.

Part Number	Conductor Stranding	Conductor Area (mm²)	Conductor Type	Std Pack Qty	Colour Code
GSG-NC-030	7/0.91	4.55	2c Twisted, 2c N/S	30	White
GSG-NC-040	7/0.91 7/1.04 7/1.35 7/1.70	4.55 6.00 10.00 16.00	2c Figure 8, 4c Twisted 2c fig 8, 2c twisted 3c twisted, 2c N/S 2c fig 8, 2c Twisted 2c N/S 2c Al N/S Compressed	40	Blue
GSG-NC-050	7/1.04 7/1.35 7/1.70	6.00 10.00 16.00	4c Twisted, 3c N/S Flat 3c/4c Twisted 2c Fig 8, Twisted or N/S	20	White
GSG-NC-060	7/0.91 7/1.04 7/1.35 7/1.70	4.55 6.00 10.00 16.00	4c N/S 4c N/S 3c N/S Flat 3c Al N/S Compressed	20	Yellow
GSG-NC-070	7/1.35 7/1.70	10.00 16.00	4c N/S 3c N/S Flat, 4c N/S	10	Blue
GSG-NC-090	7/2.13	25.00	4c N/S	15	White

Note:
N/S refers to Neutral Screened,
2c refers to 2 core (etc)

For Service Conductors



The house service grip was developed to attach the insulated service conductor bundles to the house just below the roof line. These part numbers suit PVC insulated copper conductors.

The fitting has a separate neoprene sleeve providing additional insulation to the assembly to ensure the grip and the service attachment is well insulated, so persons are not in danger if working in the vicinity.

Part Number	Conductor Area (mm²)	Construction (Core)	Standard Pack Quantity	Colour Code
GSG-160-DI-19	6	2, 3 & 4	10	Red
GSG-160-DI-19	10	2	10	Red
GSG-180-DI-19	10	2, 3 & 4	20	White
GSG-180-DI-19	16	2	10	White
GSG-220-DI-20	16	3 & 4	10	Yellow

Superlock



For SC/GZ Guy Strands



The range of superlock fittings have been designed as an easy and efficient way of terminating stays back onto themselves in pole-top applications. The finished application has a clean low profile, ensuring a very high quality final assembly.

The superlock range has the same full-rated strength of the stay wire and has been proven to operate under all conditions including high impact motor vehicle collisions. They;

- will not deteriorate
- replace cumbersome bolted methods
- are high strength and impact resistant
- are quickly and easily applied
- are neat and cleanly finished

Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
GSC-055	3/2.75	5.91	75	White
GSC-060	7/2.00	6.00	20	Yellow
GSC-075	7/2.50	7.50	30	Blue
GSC-083	7/2.75	8.25	20	White
GSC-100	7/3.25 19/2.00	10.00	20	Orange/Yellow
GSC-113	7/3.75	11.25	15	Black
GSC-120	7/4.00	12.00	10	Brown
GSC-138	19/2.75	13.75	10	White
GSC-163	19/3.25	16.25	10	Orange

For Application Procedures, visit the PLP website.
www.preformed.com.au

SAFETY CONSIDERATIONS

- This product is intended for a single (one-time) use and for the specified application, although it may be re-applied twice for retensioning within 90 days from initial installation.
- Do not modify this product in any way.
- This product is intended for use by qualified linesmen only.
- When working in the area of energised line with this product, extra care should be taken to prevent accidental electrical contact.
- For proper performance and personal safety, be sure to select the proper size PREFORMED™ products before application.
- PREFORMED™ products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.

Suspension & Support

SUSPENSION & SUPPORT

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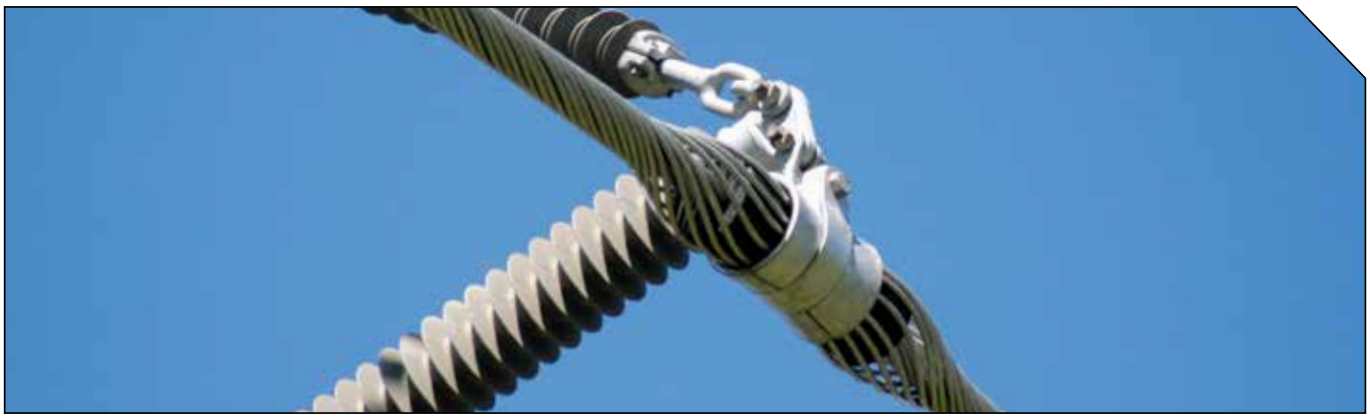
"PLP Australia has products that cover the functions of termination, suspension, connection and protection."



ARMOR-GRIP Suspension



General Recommendations





The Preformed Armor-Grip Suspension unit is intended for use on all material types and conductor constructions. Designed to reduce the static and dynamic stresses at the support point so that the conductor is protected against the effects of conductor motion. It also protects the conductor in the support area against impulse and power flash-over arching.

The Preformed Armor-Grip Suspension is superior to bolted alternating combinations for protecting conductors from bending, compression stress and abrasion.

Line Repairs:
Where a conductor has been damaged by a bolted clamp, The Preformed Armor-Grip Suspension can be used in the repair. All Armor-Grip Suspensions can be applied over Preformed type armor rods to restore and extend the life of the conductor.

Line Angle:
The maximum recommended line angle for a single support AGS is 30°. For angles between 30° and 60°, the Armor-Grip Suspension Double Assembly is recommended.

For Application Procedures, visit the PLP website.
www.preformed.com.au

SAFETY CONSIDERATIONS

- This product is intended for a single (one-time) use and for the specified application, although it may be re-applied twice for retensioning within 90 days from initial installation.
- Do not modify this product in any way.
- This product is intended for use by qualified linesmen only.
- When working in the area of energised line with this product, extra care should be taken to prevent accidental electrical contact.
- For proper performance and personal safety, be sure to select the proper size PREFORMED™ products before application.
- PREFORMED™ products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.

ARMOR-GRIP Suspension



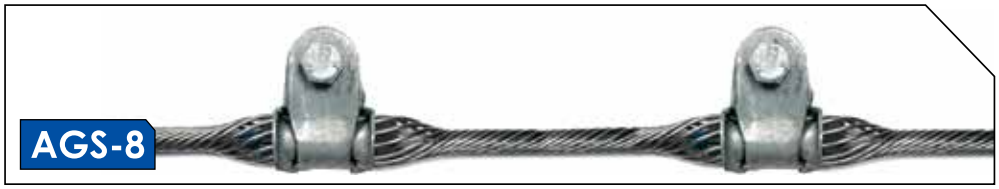
AGS 8 Series for AAC, AAAC, ACSR



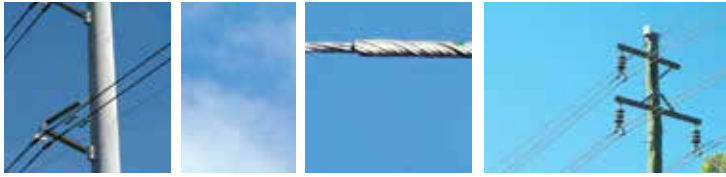
Part Number (Single Unit)	Part Number (Double Unit)	Conductor Diameter Range (mm)	Colour Code
AGS-8097	AGS-8797	6.90 - 7.19	Blue
AGS-8098	AGS-8798	7.20 - 7.49	Red
AGS-8099	AGS-8799	7.50 - 7.69	Blue
AGS-8100	AGS-8800	7.70 - 7.99	Brown
AGS-8101	AGS-8801	8.00 - 8.29	White
AGS-8102	AGS-8802	8.30 - 8.69	Orange
AGS-8103	AGS-8803	8.70 - 8.99	Black
AGS-8104	AGS-8804	9.00 - 9.49	Red
AGS-8105	AGS-8805	9.50 - 9.89	Orange
AGS-8106	AGS-8806	9.90 - 10.29	Blue
AGS-8107	AGS-8807	10.30 - 10.59	Brown
AGS-8108	AGS-8808	10.60 - 10.99	Green
AGS-8109	AGS-8809	11.00 - 11.39	Black
AGS-8110	AGS-8810	11.40 - 11.89	White
AGS-8111	AGS-8811	11.90 - 12.19	Green
AGS-8112	AGS-8812	12.20 - 12.80	Blue

Note: 80 and 81 are single units, 87 and 88 are double units, 8 Series use a 16 mm bolt and a pressed metal housing with aluminium rods.

Double AGS Suspension is used where the turning angle is greater than 30° and up to 60°.
A triangular Yoke Plate is used with Double AGS.



ARMOR-GRIP Suspension



AGS 5 Series AAC, AAAC, ACSR



Part Number (Single Unit)	Part Number (Double Unit)	Conductor Diameter Range (mm)	Colour Code
AGS-5102	AGS-5802	13.48 -13.77	Green
AGS-5103	AGS-5803	13.78 - 14.09	Brown
AGS-5104	AGS-5804	14.10 - 14.59	Blue
AGS-5105	AGS-5805	14.60 - 15.09	Red
AGS-5106	AGS-5806	15.10 - 15.39	Orange
AGS-5107	AGS-5807	15.40 - 15.79	Purple
AGS-5108	AGS-5808	15.80 - 16.39	Orange
AGS-5109	AGS-5809	16.40 - 17.09	Black
AGS-5110	AGS-5810	17.10 - 17.59	Blue
AGS-5111	AGS-5811	17.60 - 18.09	Yellow
AGS-5112	AGS-5812	18.10 - 18.59	Black
AGS-5113	AGS-5813	18.60 - 19.09	Black
AGS-5114	AGS-5814	19.10 - 19.59	White
AGS-5115	AGS-5815	19.60 - 20.19	Orange
AGS-5116	AGS-5816	20.20 - 20.99	Brown
AGS-5117	AGS-5817	21.00 - 21.49	Red
AGS-5118	AGS-5818	21.50 - 22.09	Blue
AGS-5119	AGS-5819	22.10 - 22.69	Green
AGS-5120	AGS-5820	22.70 - 23.09	Orange
AGS-5121	AGS-5821	23.10 - 23.39	Yellow
AGS-5122	AGS-5822	23.40 - 23.79	Black
AGS-5123	AGS-5823	23.80 - 24.39	White
AGS-5124	AGS-5824	24.40 - 25.09	Purple
AGS-5125	AGS-5825	25.10 - 25.54	Orange
AGS-5126	AGS-5826	25.55 - 25.99	Purple

For use on: ACSR, AAC, AAAC compacted all aluminium and compacted ACSR. Conductors above 12.8 mm in diameter. Right-hand lay standard. 51 Series are single, 58 Series are double.

Note: Contact PLP for required bolt size. Available in M16, M18 and M20

Double AGS Suspension is used where the turning angle is greater than 30° and up to 60°.
A triangular Yoke Plate is used with Double AGS.



ARMOR-GRIP Suspension






AGS 6 Series - SC/AC



For use on: SC/AC conductors. Left hand lay standard.
61 series are single. Contact PLP for other conductor sizes.

Part Number (Single Unit)	Part Number (Double Unit)	Conductor Stranding	Standard Pack Quantity	Colour Code
AGS-6101-5	AGS-6801	7/2.75	15	White
AGS-6105	AGS-6805	7/3.25	15	Orange
AGS-6109	AGS-6809	7/3.75	15	Black
AGS-6112-16-2	-	7/4.25	-	Brown

Note: Contact PLP for AGS units to suit right hand lay conductors.

AGS 7 Series Galvanised Steel SC/GZ



For use on: Galvanised steel conductors. Right hand lay standard. 71 series are single, 78 series are double.
Contact PLP for other conductor sizes.

Part Number (Single Unit)	Part Number (Double Unit)	Conductor Stranding	Standard Pack Quantity	Colour Code
AGS-7101	AGS-7801	7/2.75	15	White
AGS-7105	AGS-7805	7/3.25	15	Orange
AGS-7106	AGS-7806	19/2.00	15	Yellow
AGS-7109	AGS-7809	7/3.75	15	Black

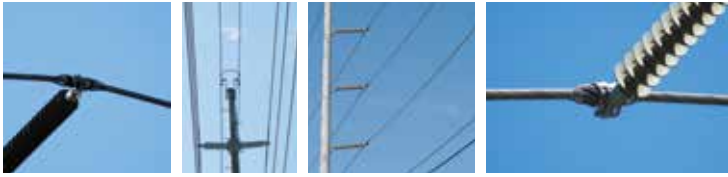
AGS 9 Series Copper



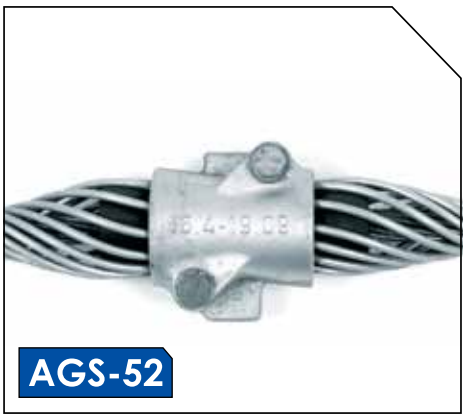
For use on: Copper conductors, right hand lay standard.
91 series are single. Contact PLP for double units.

Part Number	Conductor Stranding	Standard Pack Quantity	Colour Code
AGS-9101	7/2.75	7	Blue
AGS-9105	7/1.62	7	Orange
AGS-9107	19/2.10	7	Orange
AGS-9109	7/2.00	7	
AGS-9110	19/2.33	7	Green
AGS-9112	7/2.64	7	Blue

ARMOR-GRIP Support



Armor-Grip Support



The Preformed Armor-Grip Support is intended for use on Aluminium based conductors, and is designed to be used with clamp top horizontal and vertical line post insulators.

The Preformed Armor-Grip Support is designed to reduce static and dynamic stress at the support point, so that the conductor is better able to withstand the effect of vibration than with Armour Clamp attachments. Preformed Armor-Grip Support protect against clamping fatigue through bending and compression stress and against flash over arcing.

For Application Procedures, visit the PLP website.
www.preformed.com.au

Part Number	Typical Australian Conductors	Conductor Diameter Range (mm)	Colour Code
AGS-5258	7/2.50	7.50 - 7.69	Blue
AGS-5263	7/3.00	9.00 - 9.49	Red
AGS-5268	7/3.75	11.00 - 11.80	Black
AGS-5269		11.90 - 12.60	Green
AGS-5204	6/4.75/7/1.60	14.10-14.59	Blue
AGS-5205	7/4.75	14.60-15.09	Red
AGS-5206		15.10-15.39	Orange
AGS-5207		15.40-15.79	Purple
AGS-5208	19/3.25	15.80-16.39	Orange
AGS-5209		16.40-17.09	Blue
AGS-5210	30/7/2.50	17.17-17.59	Blue
AGS-5211		17.60-18.09	Yellow
AGS-5212		18.10-18.59	Black
AGS-5213	19/3.75	18.60-19.09	Black
AGS-5214		19.10-19.59	White
AGS-5215		19.60-20.19	Orange
AGS-5216		20.20-20.99	Brown
AGS-5217	30/7/3.00 37/3.00	21.00-21.49	Red
AGS-5218		21.50-22.09	Blue
AGS-5219		22.10-22.69	Green
AGS-5220	30/7/3.25	22.70-23.09	Orange
AGS-5221		23.10-22.69	Yellow
AGS-5222	19/4.75	23.40-23.79	Blue
AGS-5223		23.80-24.39	White
AGS-5224	30/7/3.50	24.40-25.09	Purple
AGS-5226		25.60-25.99	Purple
AGS-5227		26.00-26.49	Purple
AGS-5227	37/3.75	26.50-27.29	Black

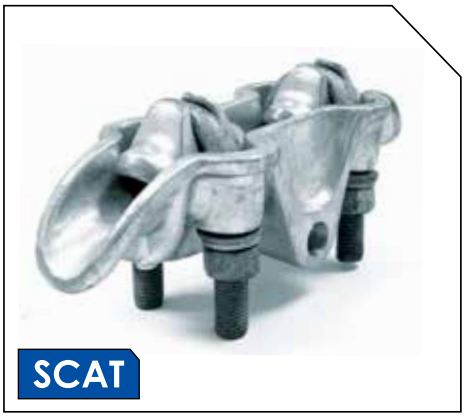
Part Number	Typical Australian Conductors	Conductor Diameter Range (mm)	Colour Code
AGS-5228	54/7/3.00	26.50 - 27.29	Red
AGS-5229		27.30 - 26.69	Green
AGS-5230		27.70 - 28.39	Yellow
AGS-5231		28.40 - 28.89	Black
AGS-5232		28.90 - 29.29	Orange
AGS-5233	54/7/3.25	29.30 - 29.89	Brown
AGS-5234	61/3.25	29.90 - 30.69	Orange
AGS-5235		30.70 - 31.19	Purple
AGS-5236	54/7/3.50	31.20 - 31.99	Purple
AGS-5237		31.00 - 32.69	Blue
AGS-5238		32.70 - 33.39	Green
AGS-5239	54/3.75/19/2.25	33.40 - 34.39	Black
AGS-5240	61/3.75	34.40 - 35.39	Black
AGS-5241		35.40 - 35.99	White
AGS-5242		36.00 - 36.59	Brown
AGS-5243		36.60 - 37.49	Orange
AGS-5244		37.50 - 38.49	Purple
AGS-5245		38.50 - 39.59	Red
AGS-5246		39.60 - 40.19	Blue
AGS-5247		40.20 - 40.99	Green
AGS-5248		41.00 - 41.89	Yellow
AGS-5249	54/4.75/19/2.85	41.90 - 42.89	Blue
AGS-5250		42.90 - 43.89	White
AGS-5251		43.90-44.49	Brown
AGS-5252		44.50-45.49	Orange
AGS-5253		45.50-46.40	Purple

ph: (02) 8805 0000

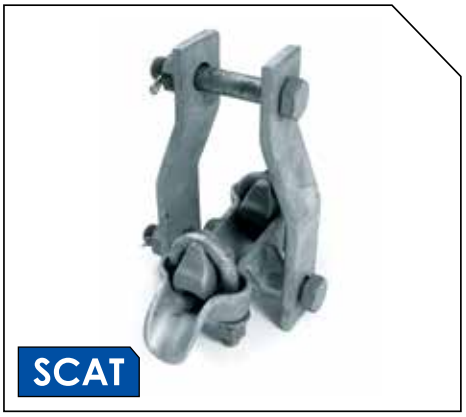
Suspension Clamps



Suspension Trunnion Clamp



Note: Trunnion only (used with support bracket)



Note: Trunnion assembly (with strap)

PLP recommends the use of Armor Rods with all bolted suspension clamps as minimum protection at a suspension point.

For aluminium based conductors. The clamp is made from cast aluminium with hot dip galvanised fasteners.

For Suspension assemblies including straps, add "-A" to the part number.

Part Number (Without Strap)	Part Number (With Strap)	Conductor Diameter (mm)
SCAT-1221	-	12.00 - 21.00
SCAT-L011421	-	13.00 - 35.00
SCAT-1520	-	15.00 - 20.00
SCAT-1628	SCAT-1628-A	16.00 - 28.00
SCAT-2838	SCAT-2838A	28.00 - 38.00
SCAT-4652	SCAT-4652-A	46.00 - 52.00

Offset Suspension Clamp



Manufactured from cast iron and hot dipped. For use on copper and SC/GZ

Part Number	Conductor Diameter (mm)
SCIO-0517	5.00 - 17.00
SCIO-1727	17.00 - 27.00

Note: Add suffix **A** to include Socket Clevis.

TWIN-GRIP®



For Steel Conductor SC/GZ



Note: Add part number AS-54-17 or AS-54-22 if sheave is required.

Standard part numbers (-54) are designed to suit 54mm sheaves. Contact PLP for other sizes.

Preformed Twin-Grips are designed for SC/GZ for earth wire utilising the PLP aluminium sheave. The fitting is used at support positions and is designed to provide superior mechanical strength and resilience during conductor motion.

- Easy application
- Long life
- Positive grip

Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
GTG-043-54	3/2.00	4.25	10	Yellow
GTG-048-54	7/1.60	4.80	10	Green
GTG-060-54	7/2.00	6.00	25	White
GTG-075-54	7/2.50	7.50	15	Blue
GTG-083-54	7/2.75	8.25	15	White
GTG-100-54	19/2.00 7/3.25	10.00 9.75	12	Yellow Orange
GTG-113-54	7/4.50	13.50	8	Green
GTG-138-54	19/2.75	13.75	10	White

For Application Procedures, visit the PLP website.
www.preformed.com.au

For Aluminium Conductor



Note: Add part number AS-54-17 or AS-54-22 if sheave is required.

Standard part numbers (-54) are designed to suit 54mm sheaves. Contact PLP for other sizes.

Preformed Twin-Grips are designed to support ACSR and SC/AC utilising the PLP Aluminium Sheave. The fitting is designed to be used where a high level of mechanical strength is required. It provides resilience during conductor motion and unbalanced loads.

- Easy application.
- Long life.
- Positive grip.
- Filler rods can be supplied to allow a bond clamp to be Attached for earthwire applications.

Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
AWTG-075-54	7/2.50	7.50	10	Blue
AWTG-083-54	7/2.75	8.25	10	White
AWTG-101-54	7/3.35	10.05	10	Orange
AWTG-113-54	7/3.75	11.25	10	Black
AWTG-135-54	7/4.50	13.50	8	Green
AWTG-163-54	19/3.25	16.25	6	Orange

For Application Procedures, visit the PLP website.
www.preformed.com.au

ph: (02) 8805 0000

Distribution Tie



General Recommendations





Distribution Ties are designed and manufactured to secure conductors in the top groove of insulators.

Distribution Ties provide an improved method of securing conductors compared to hand ties. Distribution Ties provide superior abrasion protection for the conductor under all types of motion, including low frequency sway oscillation, high frequency aeolian vibration and galloping.

The neoprene component surrounds the bare conductor with a resilient cushioning where the conductor would come into contact with the insulator and with the centre section of the tie. In the case of Distribution Ties being applied over Armor Rods, the tube is not necessary as contact with the bare conductor is prevented by the Armor Rod.

On vertically mounted insulators, Distribution Ties can normally accommodate line angles of up to 10° depending on insulator orientation. In all cases the conductor should rest in the preferred insulator groove, independently of the tie, so the tie is not required to force the conductor to remain in the groove.

Due to the construction of Distribution Ties, if an impact load is applied to one side of the insulator and then released, the distribution ties retains a memory and will return to its original position.

For Application Procedures, visit the PLP website.
www.preformed.com.au

SAFETY CONSIDERATIONS

Do not modify this product in any way.

This product is intended for use by qualified linesmen only.

When working in the area of energised line with this product, extra care should be taken to prevent accidental electrical contact.

For proper performance and personal safety, be sure to select the proper size PREFORMED™ products before application.

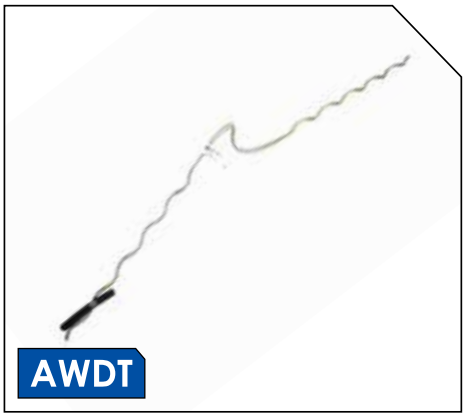
PREFORMED™ products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.

Distribution Tie






For Aluminium Based Conductors AAC, AAAC and ACSR

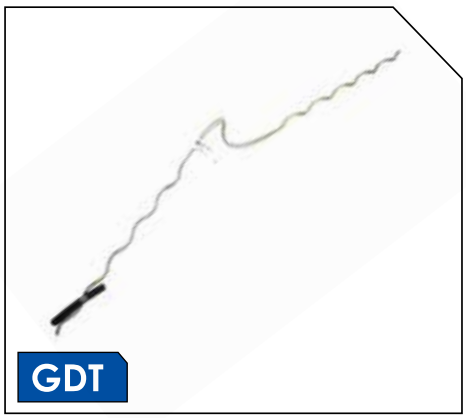


Insulator Colour Codes:
76mm neck - Yellow
112mm neck - Blue

Fittings to suit 112mm neck insulators are available, substitute suffix -76 for -112

Part Number	Conductor Diameter Range (mm)	Standard Pack Quantity	Colour Code
AWDT-053-76	4.80 - 5.49	75	Purple
AWDT-060-76	5.50 - 6.19	50	White
AWDT-068-76	6.50 - 7.03	100	Brown
AWDT-075-76	7.04 - 7.99	100	Blue
AWDT-090-76	8.00 - 9.06	50	Red
AWDT-102-76	9.07 - 10.29	50	Purple
AWDT-113-76	10.30 - 11.65	50	Black
AWDT-125-76	11.66 - 13.19	50	Red
AWDT-140-76	13.20 - 14.99	50	Blue
AWDT-163-76	15.00 - 17.19	50	Orange
AWDT-180-76	17.20 - 19.19	50	Black
AWDT-210-76	19.20 - 21.60	50	Red
AWDT-220-76	21.70 - 22.59	50	Green
AWDT-240-76	22.60 - 24.59	50	Blue
AWDT-255-76	24.60 - 25.60	50	Orange
AWDT-270-76	27.00 - 27.50	50	Red
AWDT-290-76	27.80 - 31.40	50	Black

For Galvanised Conductors - SC/GZ



Insulator Colour Codes:
76mm neck - Yellow
112mm neck - Blue

Fittings to suit 112mm neck insulators are available, substitute suffix -76 for -112

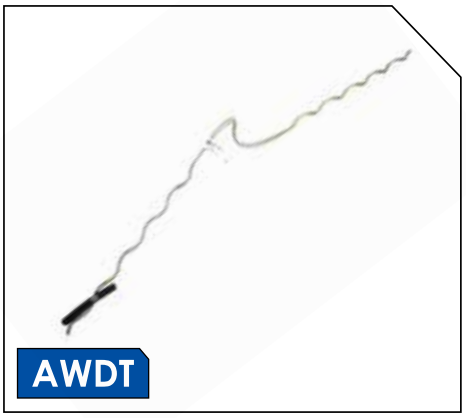
Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity
GDT-043-76	3/2.00	4.31	75
GDT-048-76	7/1.60	4.80	50
GDT-055-76	3/2.75	5.93	75
GDT-060-76	7/2.00	6.00	75
GDT-083-76	7/2.75	8.25	75
GDT-090-76	7/3.25	9.00	75
GDT-102-76	7/3.25 19/2.00	9.75 10.00	50
GDT-113-76	7/3.75	11.30	50
GDT-120-76	7/4.00	12.00	50
GDT-138-76	19/2.75	13.80	50
GDT-145-76	19/2.90	14.50	50
GDT-150-76	19/3.00	15.00	50
GDT-163-76	19/3.25	16.30	50

ph: (02) 8805 0000

Distribution Tie



For Aluminium Based Conductors
AAC, AAAC and ACSR over Armoured Conductor



Note: The range of a tie for armoured conductor is the diameter with armouring not the bare conductor.

Insulator Colour Codes:
76mm neck - Yellow
112mm neck - Blue

These Distribution Ties are designed to be applied over PLP Preformed Armor Rods. These are the preferred package for the support point on medium to long spans in distribution and medium voltage line designs. The package gives maximum protection and holding capacity at the support point, where wind sway or arc-over could be considered a problem. Where there is a known vibration issue, it is highly recommended that a PLP spiral damper (SVD) be installed.

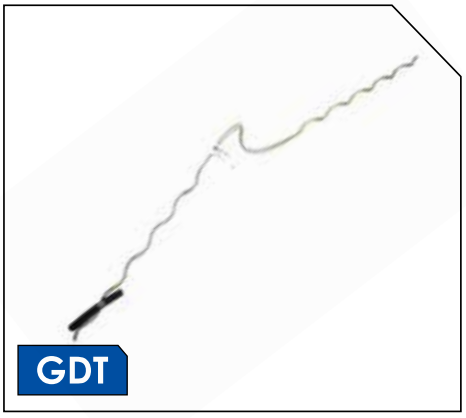
Fittings to suit 112mm neck insulators are available, substitute suffix -76 for -112.

Part Number (Distribution Tie)	Part Number (Armor Rods)	Conductor Stranding	Conductor Diameter (mm)
AWDT-113A-76	AAR-053	7/1.75	5.25
AWDT-125A-76	AAR-063	7/2.00	6.00
AWDT-140A-76	AAR-075	7/2.50	7.50
AWDT-163A-76	AAR-090	7/3.00	9.00
AWDT-210A-76	AAR-113	7/3.75	11.25
AWDT-220A-76	AAR-135	7/4.50	13.50
AWDT-240A-76	AAR-143	7/4.75	14.25
AWDT-255A-76	AAR-163	19/3.25	16.25
AWDT-270A-76	AAR-175	30/7/2.50	17.50
AWDT-290A-76	AAR-188	19/3.75	18.75



Note: Typical Armor-Rods to be used with the above ties.

For Galvanised Conductors - SC/GZ over Armoured Conductor



Fittings to suit 112mm neck insulators are available, substitute suffix -76 for -112

Part Number (Distribution Tie)	Part Number (Armor Rods)	Conductor Stranding	Conductor Diameter (mm)
GDT-102A-76	GAR-055	3/2.75	5.93
GDT-104A-76	GAR-060	7/2.00	6.00
GDT-125A-76	GAR-075	7/2.50	7.50
GDT-163A-76	GAR-100	7/3.25	9.75

Insulator Colour Codes:
76mm neck - Yellow
112mm neck - Blue

Note: The range of a tie for armoured conductor is the diameter with armouring not the bare conductor.



Note: Typical Armor-Rods to be used with the above ties.

Distribution Tie



Plastic Ties for Covered Conductors



The Distribution Tie is used with pin type or post type insulators on cross-arms. Alternatively it may be used with pole top mounted insulators on armless construction. Running angles up to 15° are recommended.

Part Number	Conductor Diameter Range (mm)	Neck Diameter (mm)	Standard Pack Quantity
TTF-1105	7.52 - 10.16	76	50
TTF-1100	10.17 - 13.72	76	50
TTF-1101	13.73 - 18.54	76	50
TTF-1102	18.55 - 23.37	76	50
TTF-1103	23.38 - 27.94	76	50
TTF-1104	27.95 - 33.00	76	50

SAFETY CONSIDERATIONS

- **Intended Use:** Plastic Line Ties and Plastic Side Ties are intended for use with plastic jacketed conductors. Consult PLP about voltage limitations with Plastic Ties.
- **Caution:** Plastic Line Ties and Plastic Side Ties are intended for use on lines which have been designed electrically for jacketed conductors and insulated ties. Under certain field conditions, burning and tracking may occur on the tie; therefore, the product must be evaluated by the intended user to determine if it is suitable for use in a particular area.
- **Mechanical:** Testing has shown Plastic Line Ties and Plastic Side Ties will develop unbalanced and lift-off loads equivalent to, or in excess of, a well-made hand tie over jacketed conductor.
- **Caution:** The performance of plastic ties is significantly influenced by the line design and the environmental conditions; consequently, under certain situations tracking can occur. The individual utility must determine if the product is safe for their intended use.

Side Tie



General Recommendations





Side Ties are designed and manufactured to secure conductors to the side groove of the insulator.

Side Ties provide an improved method of securing conductors compared to hand ties. Side Ties provide superior abrasion protection for the conductor under all types of motion, including low frequency sway oscillation, high frequency aeolian vibration and galloping.

The neoprene component surrounds the bare conductor with a resilient cushioning where the conductor would come into contact with the insulator and with the centre section of the tie. In the case of Side Ties being applied over Armor Rods, the tube can be disposed of, as contact with the bare conductor is prevented by the Armor Rod.

On vertically mounted insulators, Side Ties can normally accommodate line angles of up to 40° depending upon the angle of the insulator and orientation. In all cases the conductor should rest in the preferred insulator groove, independently of the tie, so the tie is not required to force the conductor to remain in the groove.

Due to the construction of Side Ties, if an impact load is applied to one side of the insulator and then released, the side ties retains a memory and will return to its original position.

For Application Procedures, visit the PLP website.
www.preformed.com.au

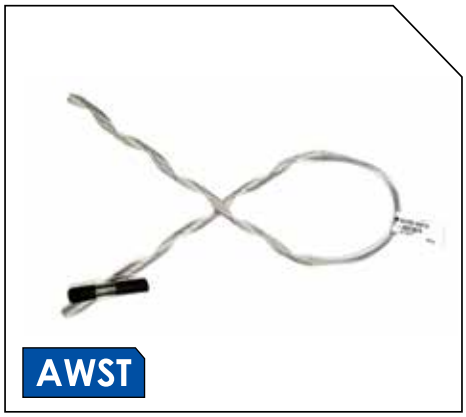
SAFETY CONSIDERATIONS

- This product is intended for a single (one-time) use and for the specified application, although it may be re-applied twice for retensioning within 90 days from initial installation.
- Do not modify this product in any way.
- This product is intended for use by qualified linesmen only.
- When working in the area of energised line with this product, extra care should be taken to prevent accidental electrical contact.
- For proper performance and personal safety, be sure to select the proper size PREFORMED™ products before application.
- PREFORMED™ products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.

Side Tie



For AAC, AAAC and ACSR over Bare Conductor



Fittings to suit 112mm neck insulators are available, substitute suffix -76 for -112

Part Number	Conductor Diameter Range (mm)	Standard Pack Quantity	Colour Code
AWST-053-76	4.80 - 5.49	75	Purple
AWST-060-76	5.50 - 6.19	75	Brown
AWST-068-76	6.20 - 7.03	100	Brown
AWST-075-76	7.04 - 7.99	75	Blue
AWST-090-76	8.00 - 9.06	50	Red
AWST-102-76	9.07 - 10.29	50	Purple
AWST-113-76	10.30 - 11.65	50	Purple
AWST-125-76	11.66 - 13.19	50	Orange
AWST-140-76	13.20 - 14.99	50	Blue
AWST-163-76	15.00 - 17.19	40	Orange
AWST-180-76	17.20 - 19.19	50	Black
AWST-210-76	19.20 - 21.69	50	Red
AWST-220-76	21.70 - 22.59	40	Green
AWST-240-76	22.60 - 24.59	50	Red
AWST-255-76	24.60 - 25.60	30	Orange
AWST-290-76	27.80 - 31.40	25	Black

Insulator Colour Codes:
76mm neck - Yellow
112mm neck - Blue

For SC/GZ Conductors over Bare Conductor



These Side Ties are designed to be applied over PLP Preformed Armor Rods. These are the preferred package for the support point on medium to long spans in distribution and medium voltage line designs. The package gives maximum protection and holding capacity at the support point, where wind sway or arc-over could be considered a problem. Where there is a known vibration issue, it is highly recommended that a PLP spiral damper (SVD) be installed.

Fittings to suit 76mm and 112mm neck insulators are available, substitute suffix -54 for -76 or 112 respectively.

Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
GST-043-54	3/2.00	4.31	100	Yellow
GST-048-54	7/1.60	4.80	100	Black
GST-055-54	3/2.75	5.93	100	White
GST-060-54	3/2.75 7/2.00	5.91 6.00	100 100	White Yellow
GST-083-54	7/2.75	8.25	50	White
GST-098-54	7/3.25	9.75	50	Orange
GST-102-54	19/2.00	10.00	50	Yellow
GST-113-54	7/3.75	11.30	50	Black
GST-120-54	7/4.00	12.00	50	Black
GST-138-54	19/2.75	13.80	50	White

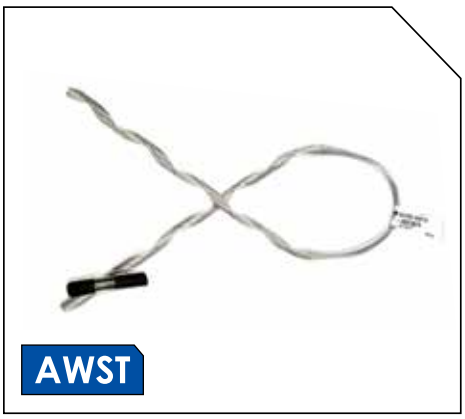
Insulator Colour Codes:
54mm neck - Red
76mm neck - Yellow
112mm neck - Blue

ph: (02) 8805 0000

Side Tie



For AAC, AAAC and ACSR over Armoured conductor



Fittings to suit 112mm neck insulators are available, substitute suffix -76 for -112

Part Number (Side Tie)	Part Number (Armor Rods)	Conductor Stranding	Conductor Diameter (mm)
AWST-113A-76	AAR-053	7/1.75	5.25
AWST-125A-76	AAR-063	7/2.00	6.00
AWST-140A-76	AAR-075	7/2.50	7.50
AWST-163A-76	AAR-090	7/3.00	9.00
AWST-210A-76	AAR-113	7/3.75	11.25
AWST-220A-76	AAR-135	7/4.50	13.50
AWST-240A-76	AAR-143	7/4.75	14.25
AWST-255A-76	AAR-163	19/3.25	16.25
AWST-270A-76	AAR-175	30/7/2.50	17.50
AWST-290A-76	AAR-188	19/3.75	18.75

Insulator Colour Codes:
76mm neck - Yellow
112mm neck - Blue

NOTE: The range of a tie for armoured conductor is the diameter with armouring not the bare conductor.



Note: Typical Armor-Rods to be used with the above ties.

For Galvanised Steel Conductors (SC/GZ)



Fittings to suit 76mm and 112mm neck insulators are available, substitute suffix -54 for -76 or -112 respectively.

Part Number (Side Tie)	Part Number (Armor Rods)	Conductor Stranding	Conductor Diameter (mm)
GST-083A-54	GAR-038	3/2.00	4.31
GST-090A-54	GAR-043	7/1.60	4.80
GST-102A-54	GAR-055	3/2.75	5.93
GST-104A-54	GAR-060	7/2.00	6.00
GST-138A-54	GAR-083	3/4/2.50	7.50
GST-160A-54	GAR-098 GAR-100	7/3.25 19/2.00	9.75 10.00

Insulator Colour Codes:
54mm neck - Red
76mm neck - Yellow
112mm neck - Blue

NOTE: The range of a tie for armoured conductor is the diameter with armouring not the bare conductor.



Note: Typical Armor-Rods to be used with the above ties.

Side Tie



Plastic Angled Tie for Covered Conductors



The plastic angle Side Tie is used with pin type or post type on cross-arms. Alternatively it may be used with pole top mounted insulators and side mounted insulators on armless construction. Turning angles from 11° to 40° are recommended.

Part Number	Conductor Diameter Range (mm)	Neck Diameter (mm)	Standard Pack Quantity
SSF-2205	7.52 - 10.16	76	50
SSF-2200	10.17 - 13.72	76	50
SSF-2201	13.73 - 18.54	76	50
SSF-2202	18.55 - 23.37	76	50
SSF-2203	23.38 - 27.94	76	50
SSF-2204	27.95 - 33.00	76	50

Plastic Tangent Tie for Covered Conductors



The plastic tangent Side Tie is used with side mounted insulators on armless construction. Running angles up to 15° are recommended.

Part Number	Conductor Diameter Range (mm)	Neck Diameter (mm)	Standard Pack Quantity
SSF-2251	10.17 - 13.72	76	50
SSF-2252	13.73 - 18.54	76	50
SSF-2253	18.55 - 23.37	76	50
SSF-2254	23.38 - 27.94	76	50
SSF-2255	27.95 - 33.00	76	50

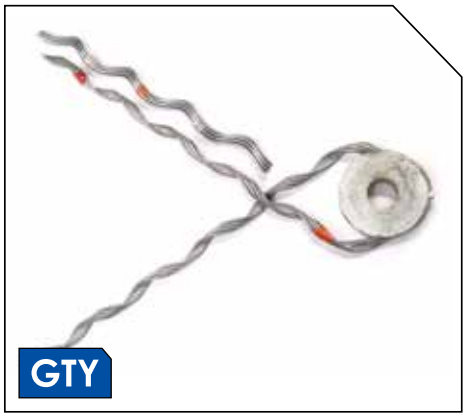
SAFETY CONSIDERATIONS

- **Intended Use:** Plastic Line Ties and Plastic Side Ties are intended for use with plastic jacketed conductors. Consult PLP about voltage limitations with Plastic Ties.
- **Caution:** Plastic Line Ties and Plastic Side Ties are intended for use on lines which have been designed electrically for jacketed conductors and insulated ties. Under certain field conditions, burning and tracking may occur on the tie; therefore, the product must be evaluated by the intended user to determine if it is suitable for use in a particular area.
- **Mechanical:** Testing has shown Plastic Line Ties and Plastic Side Ties will develop unbalanced and lift-off loads equivalent to, or in excess of, a well-made hand tie over jacketed conductor.
- **Caution:** The performance of plastic ties is significantly influenced by the line design and the environmental conditions; consequently, under certain situations tracking can occur. The individual utility must determine if the product is safe for their intended use.

PREFORMED™ Tygard



For Earthwire



Note: Cast Iron Sheave not included.
See page 70 for part number details.

The Preformed Galvanised Steel Tygard is designed for earthwire connections at suspension points utilising the PLP cast iron sheave.

The product provides superior mechanical strength during conductor motion. The fitting can be used with or without filler rods. The filler rods are utilised where an earth-bonding connection is required.

Part Number (Without Filler Rods)	Conductor Stranding	Standard Pack Quantity	Colour code
GTY-083-54	7/2.75	60	White
GTY-098-54	7/3.25	20	Orange
GTY-113-54	7/3.75	30	Black
GTY-120-54	7/4.00	20	Black
GTY-140-54	19/2.75	20	White
GTY-150-54	7/3.25	20	Orange
GTY-163-54	19/3.25	40	Red

For Application Procedures, visit the PLP website.
www.preformed.com.au

PREFORMED™ Lashing Rod



Lashing Rod



Preformed Lashing Rods can be used on all types of messengered overhead cables. They are particularly adaptable to spans obstructed by trees, short spans over traffic intersections, or repairing existing installations. Once applied they provide a permanently snug and secure fit. The factory preformed helical rods have an overall low cost with simple installation that requires no special tools or lashing machines.

Part Number (Standard)	Part Number (Coated)	Conductor Diameter Range (mm)	Standard Pack Quantity	Colour Code
GLR-10-11	GLR-10-11C	10.00 - 11.00	100	Yellow
GLR-15-17	GLR-15-17C	15.00 - 17.00	100	Red
GLR-171190	GLR-171190C	17.10 - 19.00	200	Black
GLR-191213	GLR-191213C	19.10 - 21.30	200	Red
GLR-214239	GLR-214239C	21.40 - 23.90	200	White
GLR-240266	GLR-240266C	24.00 - 26.60	200	Orange
GLR-267297	GLR-267297C	26.70 - 29.70	200	Green
GLR-298332	GLR-298332C	29.80 - 33.20	200	Yellow
GLR-333371	GLR-333371C	33.30 - 37.10	200	Purple
GLR-372414	GLR-372414C	37.20 - 41.40	100	Red
GLR-415462	GLR-415462C	41.50 - 46.20	200	White
GLR-463518	GLR-463518C	46.30 - 51.80	100	Orange

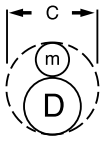
Size Selection

In selecting the proper size lashing rod it is necessary to determine the smallest circumscribing circle that will enclose the messenger and cables.

For most installations, one Lashing Rod should be applied, overlapping one pitch length with each successive rod. Two Lashing Rods, applied 180° apart, are recommended when the cable-messenger assembly weighs more than 12 kg per metre, or at installation where the angle of sag exceeds 20° from the horizontal.

One Cable

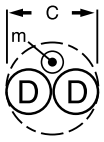
For grouping only one cable with a messenger, add the diameters and multiply by a factor of 0.850



C = (D + m) x 0.85

Two Cable

For grouping two equal diameter cables; multiply the diameter of one cable by a factor of 2.00. Then find the diameter of the maximum messenger that will fit in the interstices of the cables, and multiply the diameter of one cable by a factor of 0.666.



C = D x 2.00
m = D x 0.666

Three Cable

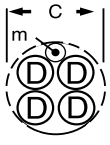
For grouping three equal diameter cables; multiply the diameter of one cable by a factor of 2.155. Then to find the diameter of the maximum messenger that will fit in the interstices of the cables, multiply the diameter of one cable by a factor of 0.483



C = D x 2.155
m = D x 0.483

Four Cable

For grouping four equal diameter cables; multiply the diameter of one cable by a factor of 2.414. Then to find the diameter of the maximum messenger that will fit in the interstices of the cables, multiply the diameter of one cable by a factor of 0.414



C = D x 2.414
m = D x 0.414

Unequal Diameter Cable

For grouping unequal diameter cables, or messengers too large to fit into the interstices above, the minimum diameter grouping can best be determined by a graphic layout to scale.

Jointing

JOINTING

PREFORMED™ Splice
For AAC, and AAAC Conductors 37
For ACSR Conductors 37
For Galvanised Steel Conductors (SC/GZ) 38
For SC/AC Conductors 38
For Copper Conductors 39

Compression Sleeves:
Non Tension AAC, AAAC and ACSR 40
For SC/AC and SC/GZ 40
Full Tension AAC, AAAC and ACSR 41

"PLP Australia can effectively design, develop and produce fittings to overcome problems that face the customer in the field."



PREFORMED™ Splice



General Recommendations





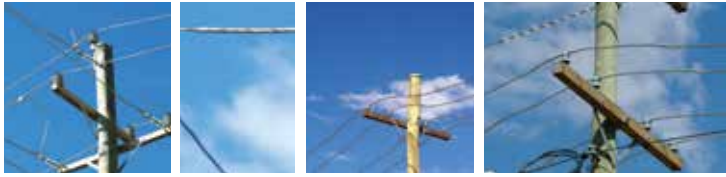
Whenever two ends of a wire or a strand are to be joined, or a damaged area is to be restored to give the full and original mechanical and electrical properties, a Preformed Conductor Splice has the answers. It offers one of the most economical and highly efficient splicing methods. A Preformed Conductor Splice has the best obtainable combinations of mechanical and electrical properties for its application. On all-aluminium , aluminium alloy and copper conductors of homogeneous stranding, a Preformed Conductor Splice will hold a minimum of 90% of the rated breaking strength.

For Application Procedures, visit the PLP website.
www.preformed.com.au

SAFETY CONSIDERATIONS

- This product is intended for a single (one-time) use and for the specified application, although it may be re-applied twice for retensioning within 90 days from initial installation.
- Do not modify this product in any way.
- This product is intended for use by qualified linesmen only.
- When working in the area of energised line with this product, extra care should be taken to prevent accidental electrical contact.
- For proper performance and personal safety, be sure to select the proper size PREFORMED™ products before application.
- PREFORMED™ products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.

PREFORMED™ Splice



For AAC, AAAC and Smaller Ø ACSR Conductors



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
AFS-053	7/1.75	5.25	70	Purple
AFS-068	7/2.25	6.75	50	Brown
AFS-075	7/2.50	7.50	35	Blue
AFS-078	7/2.60	7.80	35	Orange
AFS-083	7/2.75	8.25	20	Red
AFS-090	7/3.00	9.00	20	Red
AFS-090-AW	4/3/3.00	9.00	35	Red
AFS-102	7/3.40	10.20	15	Purple
AFS-105	19/2.10	10.50	15	Blue
AFS-113	7/3.75	11.25	25	Black
AFS-113-AW	4/3/3.75	11.25	15	Black
AFS-135	7/4.50	13.50	15	Green
AFS-143	7/4.75	14.25	13	Blue
AFS-163	19/3.25	16.25	10	Orange
AFS-175	37/2.50	17.50	10	Blue
AFS-188	19/3.75	18.75	5	Black
AFS-210	37/3.00	21.00	5	Red
AFS-238	19/4.75	23.75	5	Blue

Note: Contact PLP for ACSR suitability.

For ACSR Conductors - Multi piece



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour code
FTS-071	6/1/2.36	7.08	10	Black
FTS-100	12/7/2.00	10.00	10	Yellow
FTS-113	6/1/3.75	11.25	10	Black
FTS-117	12/7/2.34	11.70	10	Brown
FTS-125	12/7/2.50	12.50	10	Blue
FTS-143	6/4.75/7/1.60	14.30	10	Blue
FTS-146	7/4.39/7/1.93	14.60	10	Blue
FTS-150	12/7/3.00	15.00	10	Red
FTS-155	18/1/3.09	15.50	10	Black
FTS-157	26/2.54/7/1.91	15.90	10	Blue
FTS-175	30/7/2.50	17.50	10	Blue
FTS-181	30/7/2.59	18.13	10	Blue
FTS-193	18/1/3.86	19.30	15	Black
FTS-199	26/3.14/7/2.44	19.90	15	Brown
FTS-210	30/7/3.00	21.00	5	Red
FTS-245	30/7/3.50	24.50	5	Purple

Note: An FTS is a full-tension fitting and will hold 100% of the conductor UTS.

PREFORMED™ Splice



For Galvanised Steel Conductor - SC/GZ



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
GFS-025	1/2.50	2.50	50	Blue
GFS-038	7/1.25	3.80	50	Green
GFS-040	1/4.00	4.00	50	Brown
GFS-043	3/2.00	4.30	30	Yellow
GFS-048	7/1.60	4.80	30	Black
GFS-055	3/2.75	5.91	30	White
GFS-060	7/2.00	6.00	20	Yellow
GFS-075	7/2.50	7.50	50	Blue
GFS-083	7/2.75	8.30	40	White
GFS-100	7/3.25 19/2.00	9.75 10.00	25	Orange Yellow
GFS-113	7/3.75	11.30	20	Black
GFS-120	7/4.00	12.00	15	Black
GFS-138	19/2.75	13.80	10	White
GFS-163	19/3.25	16.30	10	Orange

For SC/AC Conductors Left Hand Lay Standard



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
AWFS-K023	3/2.75	5.91	25	White
AWFS-K032	3/3.25	6.98	15	Orange
AWFS-K040	3/3.75	8.06	25	Black
AWFS-K050	7/2.75	8.25	25	White
AWFS-K070	7/3.25	9.75	20	Orange
AWFS-K088	7/3.75	11.25	20	Black
AWFS-K106	7/4.25	12.75	20	Brown
AWFS-K136	19/2.75	13.75	10	White

Note: Contact PLP for splices to suit right hand lay conductors.

PREFORMED™ Splice



For Copper Conductor
Right Hand Lay Standard



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
CFS-038	7/1.25	3.75	36	Green
CFS-043	3/2.00	4.30	50	Yellow
CFS-048	7/1.63	4.80	35	Black
CFS-053	7/1.75	5.25	35	Purple
CFS-060	7/2.00	6.00	20	Yellow
CFS-066	7/2.21	6.60	20	Brown
CFS-075	7/2.50	7.50	20	Blue
CFS-083	7/2.75	8.25	15	White
CFS-088	19/1.75	8.75	15	Purple
CFS-096	7/3.25	9.60	10	Orange
CFS-100	19/2.00	10.00	10	Yellow
CFS-105	7/3.50	10.50	10	Purple
CFS-113	7/3.75	11.30	5	Black
CFS-117	19/2.34	11.68	5	Brown
CFS-123	37/1.25	12.25	5	Purple
CFS-125	19/2.56 37/1.75	12.80 12.25	10	Purple
CFS-138	19/2.75	13.75	8	White
CFS-150	19/3.00	15.00	5	Red
CFS-158	37/2.25	15.75	5	Brown
CFS-175	37/2.50	17.50	5	Blue
CFS-183	37/2.62	18.31	5	Blue
CFS-193	37/2.75	19.25	5	White
CFS-210	37/3.00	21.00	5	Red
CFS-235	37/3.35	23.47	5	Orange

Note: Cad copper conductors are left hand lay and require LHL splices. Contact PLP for further information and other available sizes.

Compression Sleeves



Non Tension - AAC, AAAC and ACSR



- Tubular aluminium alloy
- Pre-packed with jointing compound
- Individually packed in sealed plastic bags
- Suitable for overhead and underground joints in industrial or commercial situations
- Suitable for AAC, AAAC and ACSR
- Use hexagonal crimp

Part Number	Conductor Code	Conductor Type	Conductor Stranding	A/F Die Size (mm)
CMNT36	Leo Chlorine Almond Raisin	AAC AAAC ACSR ACSR	7/2.50 7/2.50 6/1/2.50 3/4/2.50	14
CMNT44	Libra Fluorine Sultana	AAC AAAC ACSR	7/3.00 7/3.00 4/3/3.00	18
CMNT50	Mars Helium Banana Walnut	AAC AAAC ACSR ACSR	7/3.75 7/3.75 6/1/3.73 4/3/3.75	18
CMNT61	Mercury Hydrogen Moon Iodine Cherry	AAC AAAC AAC AAAC ACSR	7/4.50 7/4.50 7/4.75 7/4.75 6/4.75/7/1.6	22
CMNT68	Neptune Krypton	AAC AAAC	19/3.25 19/3.25	22

For SC/AC and SC/GZ



Made from 304 stainless steel, these are single piece fittings for SC/AC and SC/GZ conductors. Designed and manufactured to meet Australian Standards, each fitting is stamped according to conductor stranding size and the recommended compression die A/F size.

Part Number	Conductor Stranding
CMS-083-1	7/2.75
CMS-098-1	7/3.25
CMS-105-1	19/2.00
CMS-113-1	7/3.75
CMS-128-1	7/4.25

ph: (02) 8805 0000

Compression Sleeves



Full Tension - AAC, AAAC and ACSR*



- PLPFT fittings have been designed to suit AAC and AAAC distribution lines up to 66kV to give full tension under load to AS1154
- The FTA sleeves are suitable for ACSR but as a limited tension fitting carrying a maximum of 50% of the conductor UTS
- Pre-packed with jointing compound, individually packed in sealed plastic bags
- Suitable for AAC, AAAC and ACSR
- Uses hexagonal dies

Part Number	Conductor Code	Conductor Type	Conductor Stranding	A/F Die Size (mm)
PLPFT36A	Leo Chlorine Almond* Angling*	AAC AAAC ACSR ACSR	7/2.50 7/2.50 6/1/2.50 6/1/2.50	14
PLPFT44A	Libra Fluorine Apricot* Apple* Archery*	AAC AAAC ACSR ACSR ACSR	7/3.00 7/3.00 6/1/2.75 6/1/3.00 6/1/3.00	18
PLPFT50A	Mars Helium Banana* Cherry* Bowls* Baseball*	AAC AAAC ACSR ACSR ACSR ACSR	7/3.75 7/3.75 6/1/3.75 6/4.75/7/1.60 6/4.75/7/1.60 6/1/3.75	18
CMFT61A	Mercury Hydrogen Moon Iodine	AAC AAAC AAC AAAC	7/4.50 7/4.50 7/4.75 7/4.75	22
CMFT68A	Neptune Krypton	AAC AAAC	19/3.25 19/3.25	22

* 50% U.T.S. for ACSR conductors

PROTECTION

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"PLP engineers and manufactures a wide range of protective fittings for the distribution network."



PREFORMED™ Armor Rods



General Recommendations





Armor Rods are intended to protect against bending, compression, abrasion, arc-over whilst also being capable of providing a repair function. The degree of protection needed on a specific line depends upon a number of factors such as line design, temperature, tension, exposure to wind flow and vibration history on a similar construction in the same area. Armor rods are recommended as a minimum protection for clamp type supports or suspension. Armor Rods may be used to restore full conductance and strength to AAC, AAAC and ACSR conductors, except high strength ACSR, where damage does not exceed 50% damage for 7 & 19 strand conductors or 25% damage for 37 & 61 strand conductors. Preformed Armor Rods are extremely effective in relieving or suppressing conductor strains and therefore extending conductor service life.

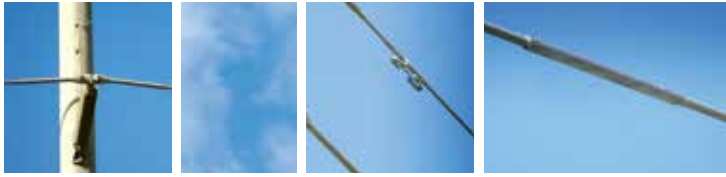
Preformed Armor Rods are chamfered and over a certain size are ball ended to create a smooth uniformed finish to minimise corona.

For Application Procedures, visit the PLP website.
www.preformed.com.au

SAFETY CONSIDERATIONS

- This product is intended for a single (one-time) use and for the specified application, although it may be re-applied twice for retensioning within 90 days from initial installation.
- Do not modify this product in any way.
- This product is intended for use by qualified linesmen only.
- When working in the area of energised line with this product, extra care should be taken to prevent accidental electrical contact.
- For proper performance and personal safety, be sure to select the proper size PREFORMED™ products before application.
- PREFORMED™ products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.

PREFORMED™ Armor Rods



For AAC, AAAC and ACSR Conductors



Part Number	Conductor Diameter Range (mm)	Standard Pack Quantity	Colour Code
AAR-053	5.10 - 5.49	100	Purple
AAR-059	5.50 - 5.99	100	Red
AAR-063	6.00 - 6.39	75	Green
AAR-068	6.40 - 6.99	100	Brown
AAR-075	7.00 - 7.59	75	Blue
AAR-078	7.60 - 7.99	75	Orange
AAR-084	8.00 - 8.49	50	White
AAR-087	8.50 - 8.84	75	Blue
AAR-090	8.85 - 9.39	70	Red
AAR-096	9.40 - 9.89	70	Orange
AAR-102	9.90 - 10.39	44	Purple
AAR-105	10.40 - 10.89	70	Blue
AAR-113	10.90 - 11.59	45	Black
AAR-118	11.60 - 12.19	45	Orange
AAR-125	12.20 - 12.69	50	Blue
AAR-130	12.70 - 13.19	35	White
AAR-135	13.20 - 13.99	35	Green
AAR-143	14.00 - 14.89	30	Blue
AAR-157	14.90 - 15.89	30	Purple
AAR-163	15.90 - 16.64	25	Orange
AAR-169	16.65 - 17.39	20	Green
AAR-175	17.40 - 18.29	40	Blue
AAR-188	18.30 - 18.89	20	Black
AAR-192	18.90 - 19.49	20	Yellow
AAR-196	19.50 - 19.89	15	Brown
AAR-201	19.90 - 21.40	15	Red
AAR-210	20.90 - 21.79	15	Red
AAR-220	21.80 - 22.59	15	Blue
AAR-230	22.60 - 23.59	15	Blue
AAR-240	23.60 - 24.79	15	Blue

PREFORMED™
Armor Rod Subsetted



For AAC, AAAC and ACSR Conductors - Subset



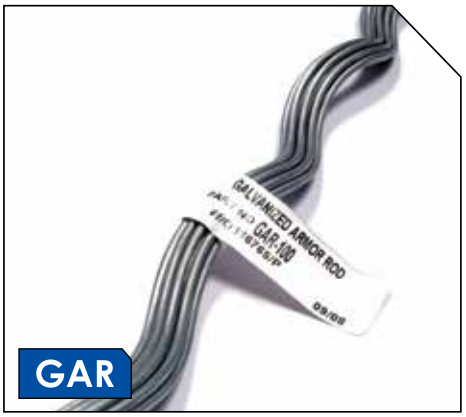
AARS Rods are subset for quick and easy installation by a linesman. Subsetting greatly reduces installation time and ensures that the correct number of armor rods are applied.

Part Number	Conductor Diameter Range (mm)	Standard Pack Quantity	Colour Code
AARS-053	5.10 - 5.49	100	Purple
AARS-059	5.50 - 5.99	100	Red
AARS-063	6.00 - 6.39	100	Green
AARS-068	6.40 - 6.99	100	Brown
AARS-075	7.00 - 7.59	35	Blue
AARS-078	7.60 - 7.99	75	Orange
AARS-084	8.00 - 8.49	45	White
AARS-087	8.50 - 8.84	75	Blue
AARS-090	8.85 - 9.39	20	Red
AARS-096	9.40 - 9.89	70	Orange
AARS-102	9.90 - 10.39	70	Purple
AARS-105	10.40 - 10.89	70	Blue
AARS-113	10.90 - 11.59	20	Black
AARS-118	11.60 - 12.19	45	Orange
AARS-125	12.20 - 12.69	45	Blue
AARS-130	12.70 - 13.19	35	White
AARS-135	13.20 - 13.99	20	Green
AARS-143	14.00 - 14.89	20	Blue
AARS-157	14.90 - 15.89	30	Purple
AARS-163	15.90 - 16.64	15	Orange
AARS-169	16.65 - 17.39	25	Green
AARS-175	17.40 - 18.29	20	Blue
AARS-188	18.30 - 18.89	12	Black
AARS-192	18.90 - 19.49	20	Yellow
AARS-196	19.50 - 19.89	15	Brown
AARS-201	19.90 - 21.40	15	Red
AARS-210	20.90 - 21.79	15	Red
AARS-220	21.80 - 22.59	10	Blue
AARS-230	22.60 - 23.59	10	Blue
AARS-240	23.60 - 24.79	10	Blue

PREFORMED™ Armor Rods



For Galvanised Steel Conductors SC/GZ



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
GAR-038	7/1.25	3.75	50	Green
GAR-043	3/2.00	4.31	50	Yellow
GAR-048	7/1.60	4.80	50	Black
GAR-055	3/2.75	5.93	50	White
GAR-060	7/2.00	6.00	50	Yellow
GAR-075	3/4/2.50	7.50	40	Blue
GAR-083	7/2.75	8.25	30	White
GAR-098	7/3.25	9.75	30	Blue
GAR-100	19/2.00	10.00	30	Yellow
GAR-113	7/3.75	11.30	20	Black
GAR-120	7/4.00	12.00	20	Black
GAR-138	19/2.75	13.80	10	White
GAR-163	19/3.75	16.30	10	Orange

For SC/AC Conductors Left Hand Lay Standard

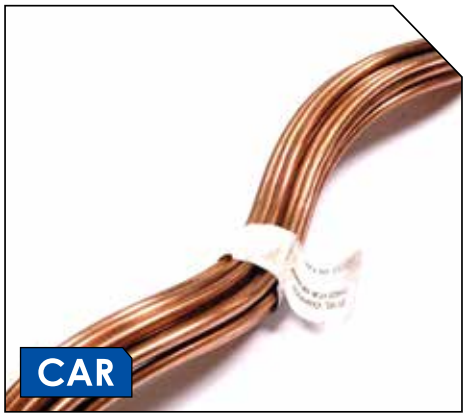


Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
AWAR-K023	3/2.75	5.93	30	White
AWAR-K031	3/3.25	7.00	50	Orange
AWAR-K040	3/3.75	8.00	50	Black
AWAR-K050	7/2.75	8.25	50	White
AWAR-K106	7/4.25	12.80	15	Brown
AWAR-K136	19/2.75	13.80	15	White

PREFORMED™ Armor Rods



For Copper Conductor



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
CAR-030	7/1.00	3.00	50	Black
CAR-038	7/1.25	3.75	50	Green
CAR-053	7/1.75	5.25	30	Purple
CAR-060	7/2.00	6.00	40	Yellow
CAR-083	7/2.75	8.25	25	White
CAR-088	19/1.75	8.75	25	Purple
CAR-090	7/3.00	9.00	25	Red
CAR-100	19/2.00	10.00	20	Yellow
CAR-105	7/3.50	10.50	25	Purple
CAR-118	19/0.92	11.80	25	Black
CAR-123	37/1.25	12.25	20	Green
CAR-125	19/2.57	12.85	25	Blue/Purple
CAR-138	19/2.75	13.75	20	White
CAR-150	19/3.00	15.00	20	Red
CAR-175	19/3.50	17.50		Purple
CAR-183	37/2.62	18.30	10	Blue

PREFORMED™ Lineguards



General Recommendations





Preformed Lineguards provide economical conductor protection at points of support (and taps) in urban type distribution systems where low working tensions and short conductor spans are common.

Preformed Lineguards are intended to protect against abrasion, arc-over and may be used as patch rods designed to restore full conductivity and strength to conductors where damage is located outside the support area and does not exceed 25% of the outer strand layer. Preformed Lineguards are recommended as a minimum protection for hand-tied insulators.

Both in initial installation cost and in long-term cost, Preformed Lineguards virtually eliminate the possibility of conductor mechanical failure at support points.

Preformed Lineguards may be used as tap armour to protect conductors from wear and flash-over damage under hot-line taps.

For Application Procedures, visit the PLP website.
www.preformed.com.au

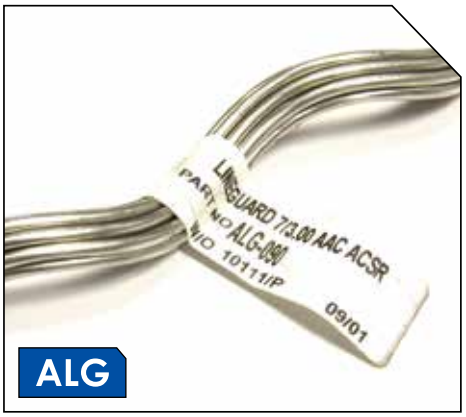
SAFETY CONSIDERATION

- This product is intended for a single (one-time) use and for the specified application, although it may be re-applied twice for retensioning within 90 days from initial installation.
- Do not modify this product in any way.
- This product is intended for use by qualified linesmen only.
- When working in the area of energised line with this product, extra care should be taken to prevent accidental electrical contact.
- For proper performance and personal safety, be sure to select the proper size PREFORMED™ products before application.
- PREFORMED™ products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.

PREFORMED™ Lineguards



For AAC, AAAC, and ACSR



Part Number	Conductor Diameter Range (mm)	Standard Pack Quantity	Colour Code
ALG-059	5.50 - 5.90	100	Red
ALG-063	6.00 - 6.39	100	Green
ALG-068	6.40 - 6.99	100	Brown
ALG-075	7.00 - 7.59	10	Blue
ALG-078	7.60 - 8.84	100	Orange
ALG-083	8.10 - 8.84	10	Red
ALG-090	8.85 - 9.39	100	Red
ALG-096	9.40 - 9.89	75	Yellow
ALG-102	9.90 - 10.39	75	Purple
ALG-105	10.40 - 10.89	75	Blue
ALG-113	10.90 - 11.59	75	Black
ALG-118	11.60 - 12.19	50	Orange
ALG-125	12.20 - 12.69	50	Blue
ALG-130	12.70 - 13.19	50	White
ALG-135	13.20 - 13.99	50	Green
ALG-143	14.00 - 14.89	50	Blue
ALG-150	14.90 - 15.39	40	Orange
ALG-157	15.40 - 15.89	50	Yellow
ALG-163	15.90 - 16.64	40	Orange
ALG-169	16.65 - 17.39	25	Green
ALG-175	17.40 - 18.29	25	Blue
ALG-188	18.30 - 18.89	40	Black
ALG-192	18.90 - 19.49	40	Yellow
ALG-196	19.50 - 19.99	25	Brown
ALG-201	20.00 - 20.89	25	Orange
ALG-210	20.90 - 21.79	25	Red
ALG-220	21.80 - 22.59	25	Yellow
ALG-230	22.60 - 23.59	25	Orange
ALG-240	23.60 - 24.79	20	Blue

PREFORMED™ Lineguards



Copper Lineguards



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
CLG-060	7/2.00	6.00	50	Yellow
CLG-075	7/2.50	7.50	50	Blue
CLG-083	7/2.75	8.25	30	Red
CLG-088	19/1.75	8.75	30	Purple
CLG-100	19/2.00	10.00	25	Yellow
CLG-105	7/3.50	10.50	20	Purple
CLG-125	19/2.57	12.85	25	Purple
CLG-138	19/2.75	13.75	25	White
CLG-150	19/3.00	15.00	20	Red
CLG-166	37/2.36	16.54	20	Orange
CLG-175	37/2.50	17.50	10	Blue
CLG-183	37/2.62	18.30	10	Blue

PREFORMED™ Repair Rods



General Recommendations





Preformed Aluminium Repair Rods are designed to repair damage to aluminium conductor mid-span in a quick and efficient manner. They are ideal for emergency and breakdown situations. Also for repair of mid-span damage in some instances where the outer stranding of the conductor does not exceed 50% damage for 7 & 19 strand conductors or 25% damage for 37 & 61 strand conductors. Aluminium Repair Rods are not suitable as an alternative to Armor Rods. They are not designed as an under-clamp protection device.

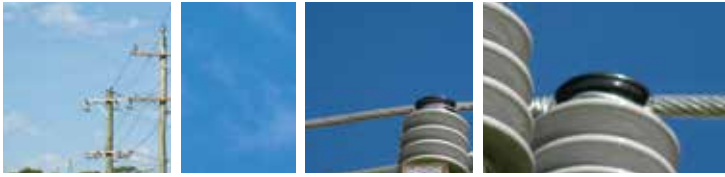
Repair Rods are also available for copper conductors, please contact PLP for more information.

For Application Procedures, visit the PLP website.
www.preformed.com.au

SAFETY CONSIDERATIONS

- This product is intended for a single (one-time) use and for the specified application, although it may be re-applied twice for retensioning within 90 days from initial installation.
- Do not modify this product in any way.
- This product is intended for use by qualified linesmen only.
- When working in the area of energised line with this product, extra care should be taken to prevent accidental electrical contact.
- For proper performance and personal safety, be sure to select the proper size PREFORMED™ products before application.
- PREFORMED™ products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.

PREFORMED™ Repair Rods



For Aluminium Conductors - AAC, AAAC, ACSR and SC/AC



Part Number	Conductor Stranding	Conductor Diameter (mm)	Conductor Type	Standard Pack Quantity	Colour Code
ARR-075	7/2.50	7.50	AAC, ACSR	15	Blue
ARR-090	7/3.00	9.00	AAC, ACSR	15	Red
ARR-128	7/4.25	12.75	SC/AC	15	Brown
ARR-135	7/4.50	13.50	AAC, AAAC	15	Green
ARR-143	7/4.75	14.30	AAC, ACSR	15	Blue
ARR-163	19/3.25	16.30	AAC, AAAC	15	Orange
ARR-175	30/7/2.50	17.50	ACSR	15	Blue
ARR-188	19/3.75	18.75	AAAC	15	Black
ARR-210	37/3.00	21.00	AAC, ACSR	15	Red
ARR-245	37/3.50	24.50	AAAC, ACSR	10	Purple

Low Voltage Conductor Spreader Rods



Spreader Rod



The PLP Low Voltage Conductor Spreader is an economical multi-phase spacer and is available for use on low voltage (415 volt) systems to prevent conductors clashing which may cause bush or grass fires in remote rural areas and/or damage conductors.

Part Number	Overall Length (mm)	Diameter (mm)	Standard Pack Quantity
FGSR-125-2	2000	12.50	25
FGSR-125-2.1	2100	12.50	25
FGSR-125-2.3	2300	12.50	25
FGSR-125-2.5	2500	12.50	25
FGSR-125-2.7	2700	12.50	25
FGSR-125-2.8	2800	12.50	25
FGSR-125-3	3000	12.50	25
FGSR-125-3.7	3700	12.50	25
FGSR-190-2.4	2400	19.00	50

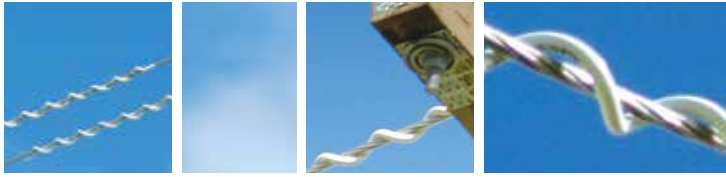
Stainless Steel Spreader Rod Springs



For Securing Spreader Rods to conductor

Part Number	Standard Pack Quantity
FGSS-125-B	100

Spiral Vibration Dampers



Spiral Vibration Dampers



Made from high impact, UV resistant, polyvinyl chloride (PVC), they are non- corrosive and do not abrade the conductor or require engineering calculations for positioning. Vibration dampers are designed to reduce cable vibration at tangent supports and deadend positions. The degree of protection needed on a specific line depends upon a number of factors such as line design, temperature, tension, exposure to the wind flow and vibration history on similar constructions in the same area.

Part Number	Conductor Diameter Range (mm)	Standard Pack Quantity	Colour Code
SVD-0102	4.42 - 6.34	30	Red
SVD-0103	6.35 - 8.29	60	Blue
SVD-0104	8.30 - 11.74	60	Black
SVD-0105	11.75 - 14.30	60	Yellow
SVD-0106	14.31 - 19.30	25	Green

For Application Procedures, visit the PLP website.
www.preformed.com.au

SPIRAL VIBRATION DAMPER PLACEMENT GUIDE

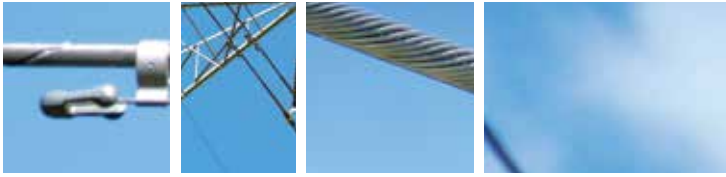
Span Length (m)	Standard SVD Quantities
0 - 244	2
245 - 488	4
489 - 732	6
733 - 976	8
977 - 1220	10

1. SVDs may be subset together in sets of up to 3 apiece; do not place more than 3 SVDs together in a subset as this can cause them to bind and reduce their overall effectiveness.

2. SVDs have the advantage of being placement independent and may be placed at either end of the span, or on both ends if so desired. However, please note that SVDs are designed to be placed directly on to the conductor or shield wire and not on to rods or attachment hardware. A general recommendation, place SVDs on the bare conductor or shield wire approximately one hand's width away from suspension rods, dead-end rods, ties, etc.

3. Please consult PLP for recommendations when;
* Flat open Terrain, river or gully crossings
* Tensions are greater than 20% UTS
* Aerial warning spheres are installed

VORTX™ Stockbridge Damper





Aeolian Vibration is a high frequency low amplitude motion caused by smooth laminar winds passing across the line. When conductors or cables are exposed to this wind a phenomenon known as eddy shedding occurs. Eddy or Vortex shedding creates an alternating pressure imbalance inducing the conductor to move up and down at right angles to the direction of air flow. These vibrations take the form of discrete standing waves that can cause support hardware breakdown, conductor fatigue, abrasion and eventually conductor failure.

The VORTX™ Damper exceeds the two response performance with a multi-response design that effectively reduces vibration over a wider range of imposing frequencies. This is accomplished by a design that has unequal messenger strand lengths enhanced in most cases with unequal weights. The weight sizes and messenger strand lengths are matched to specific conductor/cable impedance and line operating conditions that achieve optimum performance.

Features:

• Contoured Clamp - Aluminum alloy extrusions offer a more "precision" fit to evenly capture the conductor. As a result, tightening the bolt brings the clamp components together with evenly distributed pressure along the conductor surface.

• Clamp Profile - The clamp profile is configured to hang from the conductor or cable during installation in accordance with IEC standards. Hands are free to wrench tighten and reach proper torque.

• Messenger Strand - Galvanised steel messenger strand absorbs the vibration energy efficiently with optimum manufacturing techniques.

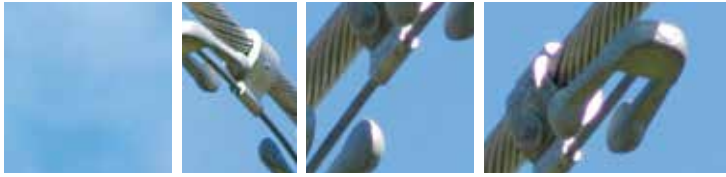
• Weight - Galvanised modular iron weights hug the sides of the messenger strand, not enclosing it. The possibility of corrosion is reduced.

• Weight Attachment: - PLP offers a collet type or crimped attachment to secure the weights to the messenger. Both meet pull-off strength requirements in accordance with IEC and AS1154.1 standards without changing properties of the adjoining messenger.

PLP uses a proprietary computer program to make product recommendations for maximising damper performance. The program input considers many variables specific to individual lines, their designs, construction, and local operating conditions. The output recommendations include; specific model VORTX™ Damper, quantity and their placement location on the span.

For Application Procedures, visit the PLP website.
www.preformed.com.au

VORTX™ Vibration Damper



VORTX™ Damper Selection Chart For AAC, AAAC, ACSR and OPGW



* Represent dampers that in most cases are placed over Armor or Structural Rods.

Note: Final selection for weight combination at merging ranges are determined from conductor type and tension. Contact PLP technical support for further recommendations.

Step 1: Choose conductor diameter from range below

Step 2: Choose clamp size from range below i.e. total diameter including armor rods if applicable

Step 3: Choose Corresponding part number

Conductor Selection Choose Conductor Diameter		Clamp Range Choose overall Diameter		Part No.
min (mm)	**max** (mm)	**min** (mm)	**max** (mm)	
9.7	11.9	9.7	12.3	VSD-1012
		15.5	20.0	VSD-1020*
12.0	18.2	12.3	15.5	VSD-2016
		15.5	20.0	VSD-2020
		20.0	25.0	VSD-2025*
		25.0	32.0	VSD-2032*
18.3	21.7	15.5	20.0	VSD-2520
		20.0	25.0	VSD-2525
		25.0	32.0	VSD-2532*
21.8	24.9	20.0	25.0	VSD-3525
		25.0	32.0	VSD-3532*
		32.0	40.1	VSD-3540*
		40.1	50.0	VSD-3550*
25.0	33.9	25.0	32.0	VSD-4032
		32.0	40.1	VSD-4040
		40.1	50.0	VSD-4050*
		50.0	61.0	VSD-4061*
32.1	44.7	32.0	40.1	VSD-5040
		40.1	50.0	VSD-5050
		50.0	61.0	VSD-5061*

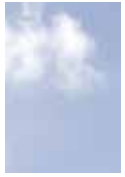
VORTX™ Damper Structural Rods



For OPGW & high temperature conductors

Part Number	Conductor Diameter Range (mm)	Rod Length (mm)	Standard Pack Quantity	Colour Code
VDSR-110	10.5 - 11.49	500	50	Green
VDSR-120	11.5 - 12.49	500	50	Purple
VDSR-130	12.5 - 13.79	500	50	Orange
VDSR-140	13.8 - 14.89	500	50	Blue
VDSR-150	14.9 - 15.49	500	30	Brown
VDSR-160	15.5 - 16.49	500	30	Yellow
VDSR-170	16.5 - 17.49	500	30	Red
VDSR-180	17.5 - 18.49	500	30	Yellow
VDSR-190	18.5 - 19.49	500	30	Yellow
VDSR-200	19.5 - 20.49	500	30	Yellow
VDSR-210	20.5 - 21.49	500	30	Blue
VDSR-320	31.5 - 32.49	700	30	Purple

Earth Rods



Earth Rod (Tapered)



Part Number	Diameter (mm)	Length (mm)
ER13-1200	13	1200
ER13-1440	13	1440
ER13-1800	13	1800
ER15-1200	15	1200
ER15-1440	15	1440
ER15-1800	15	1800

Earth Rod (Flushed Coupled)



Part Number	Diameter (mm)	Length (mm)
ER13D-1200	13	1200
ER13D-1440	13	1440
ER13D-1800	13	1800
ER15D-1200	15	1200
ER15D-1440	15	1440
ER15D-1800	15	1800
ER15D-2500	15	2500

Earth Rod (Domestic)



Part Number	Diameter (mm)	Length (mm)
ER13D-1200	13	1200
ER13D-1440	13	1440
ER13D-1800	13	1800
ER15D-1200	15	1200
ER15D-1440	15	1440
ER15D-1800	15	1800
ER15D-2500	15	2500

Earth Rod Accessories



Earth Rod (Tapered Accessories)



Part Number	Description
ER13-C	13mm tapered coupler
ER15-C	15mm tapered coupler
ER13-D	13mm driving head
ER15-D	15mm driving head
ER13-P	13mm driving point
ER15-P	15mm driving point
ER13-PH	13mm driving point hard
ER15-PH	15mm driving point hard
ER13-PWC	13mm push on wire clip
ER15-PWC	15mm push on wire clip
ER13-BWC	13mm bolted wire clamp
ER15-BWC	15mm bolted wire clamp

Earth Rod (Flushed Coupled Accessories)



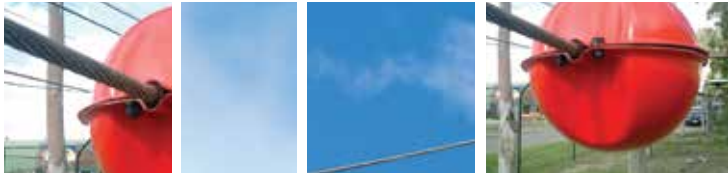
Part Number	Description
ER13F-C	13mm flush coupler
ER15F-C	15mm flush coupler
ER13F-D	13mm driving head
ER15F-D	15mm driving head
ER13F-D	13mm driving point
ER15F-D	15mm driving point
ER13F-P	Driving pin for 13mm and 15mm rod
ER13-BWC	13mm bolted wire clamp
ER15-BWC	15mm bolted wire clamp

Earth Rod (Domestic Accessories)

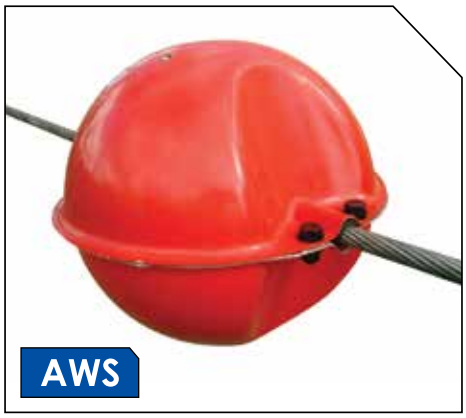


Part Number	Description
ER13D-C	13mm domestic coupler
ER15D-C	15mm domestic coupler
ER13-D	13mm driving head
ER15-D	15mm driving head
ER13-P	13mm driving point
ER15-P	15mm driving point
ER13-PH	13mm driving point hard
ER15-PH	15mm driving point hard
ER13-BWC	13mm bolted wire clamp
ER15-BWC	15mm bolted wire clamp

Aerial Warning Sphere



Aerial Warning Sphere



- Aerial Warning Spheres clearly identify overhead wires where there is danger of collision by vehicles, farm machinery or aircraft
- Available in orange, white, yellow and red
- Made from long wearing and UV stabilised fibre glass
- Very strong and durable in the harsh Australian climate
- Will outlast plastic versions
- One product takes a wide range of wire sizes
- Available in 300mm (12 inches) or 600mm (24 inches)

Part Number	Diameter	Conductor Range
AWSO-300	300	6mm - 25mm
AWSW-300	300	6mm - 25mm
AWSY-300	300	6mm - 25mm
AWSR-300	300	6mm - 25mm
AWSO-600	600	6mm - 25mm
AWSW-600	600	6mm - 25mm
AWSY-600	600	6mm - 25mm
AWSR-600	600	6mm - 25mm

For Application Procedures, visit the PLP website.
www.preformed.com.au

ABC Systems

ABC SYSTEMS

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"Comprehensive range of LV & HV ABC suspension, termination & accessories."



Suspension Clamp AS Series



For Aerial-Bundled Conductors (ABC)



The AS series of LV ABC Suspension Clamps are intended for use on straight runs and for line deviation angles up to 25°.

These suspension clamps are suitable for coastal environments and are manufactured from high strength corrosion-resistant aluminium alloy, incorporating neoprene bushes and stainless steel hardware. An optional failure link is built into the fitting.

The clamps are designed as a one-piece format, eliminating the problems of dropping components whilst installing the clamp. The AS suspension clamp greatly assists linesmen by supporting the cable in the open position, and allowing fast installation by simply closing the clamp and tightening the fastener.

Features

- Corrosion resistant cast aluminium body
- Suitable for coastal and highly polluted environment
- Neoprene bushes
- Stainless steel hardware
- Fast and simple installation
- Optional failure link feature
- Tested to Australian Standard 3766

Part Number	Conductor Construction (mm²)	Standard Pack Quantity
BCSC-2050-2S	2 x 50	63
BCSC-2050-2SWL	2 x 50	63
BCSC-2050-2SHD	2 x 50	64
BCSC-2095-2S	2 x 95	63
BCSC-2095-2SWL	2 x 95	63
BCSC-2095-2SHD	2 x 95	64
BCSC-4050-2S	4 x 50	64
BCSC-4050-2SWL	4 x 50	64
BCSC-4050-2SHD	4 x 50	64
BCSC-4095-2S	4 x 95	64
BCSC-4095-2SWL	4 x 95	64
BCSC-4095-2SHD	4 x 95	64

Note: WL = Weak Link (5kN)
HD = Heavy Duty (stainless wear ring)

ph: (02) 8805 0000

Suspension Clamp ASV Series



For Aerial-Bundled Cable (ABC)



The ASV series of LV ABC Suspension clamps have been developed to protect the integrity of the cable insulation by controlling the cable slip during impact loads. The built-in failure link allows the undamaged cable to drop to the ground, thus providing a coordinated failure mechanism. The clamps are intended for use on straight runs and line deviation angles up to 25°.

The installation features of the clamps have been designed following extensive field trials carried out in conjunction with the major electricity distribution authorities.

The ASV series Suspension Clamps are suited for coastal environments and are manufactured from high strength corrosion-resistant aluminium alloy and incorporate neoprene bushes and stainless steel hardware. A failure link is built into the clamp.

The clamps are designed as a one-piece format, eliminating the common problem of dropping components whilst installing the clamp. The ASV series Suspension Clamp greatly assist linesmen by supporting the cable in the open position and allowing fast installation by simply closing the clamp and tightening the fastener.

Features

- Corrosion - resistant cast aluminium alloy body
- Neoprene bushes
- Stainless steel hardware
- Fast and simple installation
- Built-in failure link for greater system protection
- Eliminate cable damage during major impacts on the line
- The PLP AS series Suspension clamp complies with Australian Standard 3766

Part Number	Conductor Construction (mm²)	Standard Pack Quantity	Weak Link Faling Load (kN)
BCSC-4095-3S	4 x 95	64	6
BCSC-4095-3SHD	4 x 95	30	N/A
BCSC-4150-3S	4 x 150	30	8
BCSC-4150-3SHD	4 x 150	30	N/A

Note: HD = Heavy Duty (stainless wear ring)



ABC Roller Suspension Clamp

Roller Assembly



This Suspension Clamp is a light weight device to support/ suspend aerial-bundled cable from pole hooks without damage. With the assistance of an integrated and reusable cable-stringing roller, the system makes for easier installation of conductors.
It is normally supplied with a weak link to allow the eye to break away from the body if the load exceeds 6.5kN.

Benefits

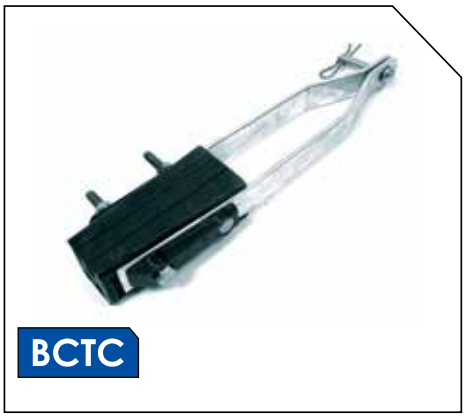
- Rounded eye edges
- Hinged jaw for ease of installation
- Stainless hinge pin
- Extra long retaining screw enabling seat and nut to remain captive during installation

Part Number	Conductor Construction (mm²)	Standard Pack Quantity
BCSCRA-2095-WL	2 x 95 and 4 x 50	10
BCSCRA-2095	2 x 95 and 4 x 50	10
BCSCRA-4095-WL	4 x 95	10
BCSCRA-4095	4 x 95	10
BCSCRA-4150	4 x 150	10
BCSCRA-4150WL	4 x 150	10
BCSRA-Roller	Roller bracket to support Clamp	

Note: WL = Weak Link (6.5kN)

Strain Clamp AS Series

AS Series Strain Clamp



The Preformed AS Series Strain Clamps are intended for use on low voltage aerial-bundled conductors (LV ABC) for in-line or angle termination and tested to AS3766. The Preformed AS Strain Clamp is light and easy to handle.

The standard clamps are supplied with stainless steel clamp bolts and a galvanised steel clevis pin. A stainless steel clevis pin can also be supplied for special applications.

Features

- Glass reinforced nylon clamping wedges, UV stabilised
- Aluminium alloy straps
- Incorporates a large window for easy cable exit
- Standard with stainless steel fasteners
- R clip for fast installation
- Also available with stainless steel clevis pin (part no. BCTC-4150-3S).

Part Number	Conductor Construction (mm²)	Clamp Hardware Material	Standard Pack Quantity
BCTC-4050-2	4 x 50	Galvanised	15
BCTC-4150-3G	4 x (95 -150)	Galvanised	15
BCTC-4150-3S	4 x (95 -150)	Stainless Steel	15

ph: (02) 8805 0000

Service Clamps



Service Clamps





BCST Series are a bolted type service strain and suspension clamp.

- Glass reinforced nylon clamping block
- Blocks are spring loaded for ease of cable insertion
- Available in galvanised steel or glass reinforced nylon straps
- Available in open hook or closed eye
- M10 stainless steel fasteners
- UV Stabilised

Part Number	Conductor Construction (mm²)	Length (mm)	Standard Pack Quantity
BCST-2025-3G	2 x (10 - 35)	170	50
BCST-2025-3GA	2 x (10 - 35)	170	50
BCST-2025-3P	2 x (10 - 35)	170	50
BCST-2025-3PA	2 x (10 - 35)	170	50
BCST-2025-3GLS	2 x (10 - 35)	250	35
BCST-2025-3GAL	2 x (10 - 35)	250	50
BCST-2025-3GL	2 x (10 - 35)	250	30
BCST-4035-3G	4 x (10 - 35)	170	30
BCST-4035-3GA	4 x (10 - 35)	170	30
BCST-4035-3P	4 x (10 - 35)	170	30
BCST-4035-3PA	4 x (10 - 35)	170	30
BCST-4035-3GLS	4 x (10 - 35)	250	25
BCST-4035-3GAL	4 x (10 - 35)	250	30
BCST-4035-3GL	4 x (10 - 35)	250	20

Note:
G = Galvanised Strap
GA = Galvanised Strap (closed eye)
GLS = Galvanised Latching Strap (Long)
GL = Galvanised Strap (Long)
GAL = Glavanised Strap (Closed Eye) long
P = Glass-Filled Nylon Strap
PA = Glass-Filled Nylon Strap (closed eye)

High Voltage ABC Suspension Clamp





The aluminium clamp secures the catenary while the neoprene bush supports the conductor.

Part Number	Bundle Diameter (mm)	Rated Voltage (kV)	Standard Pack Quantity
BCSCHV-3540-1	35 - 40	11	10
BCSCHV-4550-1	45 - 50	11	10
BCSCHV-5560-1	55-60	11/22	10
BCSCHV-6570-1	65-70	11/22	10

Note: Bundle diameter does not include catenary, contact PLP for further support.

High Voltage ABC Pole Support Clamp



Used for supporting HVABC conductor bundle down the pole.
- Stainless M12 fasteners
- Slot to allow banding to pole or structure.

Part Number	Bundle Diameter (mm)	Mounting Hole Diameter (mm)	Standard Pack Quantity
BCHVPC-035-3	35	5.5	35
BCHVPC-040-3	40	5.5	35
BCHVPC-050-3	45 - 50	5.5	35
BCHVPC-050-3A	45 - 50	12	35
BCHVPC-060-3	55 - 60	5.5	35
BCHVPC-060-3A	55 - 60	12	35
BCHVPC-070-3	65 - 70	5.5	35
BCHVPC-070-3A	65 - 70	12	35

ABC Comealong Clamp AS Series



The AS series Comealong Clamps are manufactured in Australia and are intended for use on LV ABC cables of 4 x 95 and 4 x 150sq mm bundles.

Manufactured with aluminium clamping blocks, the AS series Comealong Clamps are designed to suit the maximum stringing tensions consistent with these cables.
- Aluminium alloy, clamping block
- Painted steel frame
- Galvanised steel shackle

Part Number	Conductor Size (mm²)
BCCA-225495	2 x 25 - 4 x 95
BCCA-495150-3	4 x (95 - 150)

Safety Service Disconnector



Safety Service Disconnector (SSD)



Part Number	Conductor Size (mm²)
SSD-2X25AL19	2x25mm AL XLPE

Designed with safety in mind, Preformed Line Products Safety Service Disconnector ensures controlled disconnection of service under dynamic impact loading. The product severs the conductor after a high impact load, ensuring the span falling to ground is in an un-energised state. The energised cable remains at the pole attachment point, insulated and well away from the general public. The PLP Safety Service Disconnector can be installed on existing services with no interruption to the consumers power supply.

Fully Insulated Body

The PLP SSD™ is manufactured from UV stabilised and fibre reinforced nylon which provides the fitting with complete insulating and mechanically strong features.

All Components

All components are held captive within the body so there are no loose parts to fall to ground when installing or upon activation.

No Requirement For On-Site Setting

The product is pre-set to the required breaking load in the factory. The setting arrangement for the load is totally tamper proof.

Only Activates on Impact Above A Specified Load

The PLP SSD™ will only activate if a load is applied of approximately 1.9 kN. The SSD™ will not activate simply due to an increase of tension to the cable such as possum walking along the service. Accurate and reliable failure is guaranteed by the shear pin being specifically sized to the failure load.

Can Be Installed Within 5 Minutes

Due to the simple nature of the design of the product, it is easily installed within 5 minutes. Simply place the cable into the clamp and push it into the slots along the body, tighten the nuts on the bolted clamp till secure and bring the bridle around, clip it onto the bollard and snap the cover in place. Installation is now complete! No special equipment is required.

No Need to Disconnect Customer's Supply

To install the PLP SSD™, there is no need to disconnect the costumer's supply because the conductor is not severed to install plugs or sockets. Therefore, the installation of the SSD™ can be done at any time, night or day, without having to advise customers - there is no disruption at all!

No Possibility of Service Failure Due To Poor Contact

There are no active electrical components within the SSD™ (such as contacts) which eliminates the possibility of an electrical breakdown or hot joints.

For Application Procedures, visit the PLP website.
www.preformed.com.au

Hardware & Accessories

Hardware & Accessories

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"Preformed Line Products has an immense range of standard fittings that are available off the shelf."



Hardware Fittings



Shackles - Galvanised Forged Steel



Part Number (Shackle)	Tension Rating (kN)	Bolt Size (mm)	Standard Pack Quantity
S-070-1	70	M16	25
S-120-1	120	M16	25
S-160-1	160	M20	15
S-210-1	210	M20	15

Part Number (Twisted)	Tension Rating (kN	Bolt Size (mm)
TS-070-1	70	M16

Aluminium Sheave - 54mm



Bolt holes to suit M16 and M20 bolts.

Part Number	Bore Diameter (mm)	Standard Pack Quantity	Colour Code
AS-54-17	17	25	Red
AS-54-22	22	25	Green

Sheave - Machined Steel



Part Number	Hole Size (mm)	Sheave Diameter (mm)
THGR-57	21	57
THGR-75	26	75
THGR-146A-C	50	146
THGR-146B-C	26	146
THGR-150	32	150
THGR-150-25	25	150
THGR-150-36	38	150

Hardware Fittings



Clevis Thimble - Galvanised Cast Iron



- MFL 70kN
- Used for small GZ or copper grips

Par Number	Maximum Grip Size	Thimble Bend Radius (mm)	Standard Pack Quantity
CTH-070-MCI	GFG-083 CFG-100-CL	20	25

Clevis Thimble - Galvanised Cast Iron



- MFL 120 kN
- Used for medium to large GZ and copper grips

Part Number	Maximum Grip Size	Thimble Bend Radius (mm)	Standard Pack Quantity
GCT-120-TC5F	GFG-163 CFG-260-LT-CL	28.5	25

Clevis Thimble - Aluminium



For use with aluminium and aluminium clad steel deadends.
- Corrosion resistant aluminium alloy.
- Galvanised steel pin.
- Stainless steel split pin.
- ACT-27-16 rated at 70 kN.
- ACT-37-16 rated at 80 kN.

Part Number	Maximum Grip Size	Thimble Bend Radius (mm)	Standard Pack Quantity
ACT-27-16	AFG-188-CL	36	25
ACT-27-16HP	AFG-188-CL	36	25
ACT-37-16	AFG-240-LT-CL	36	25
ACT-37-16HP	AFG-240-LT-CL	36	25

Note: HP denotes Hex Pin

Hardware Fittings



Wire Rope Thimble - Closed



Part Number	Bend Radius (mm)	Seat Width (mm)	Threaded Length (mm)
THWC-10	12.5	11	150
THWC-12	15	13	150
THWC-16	20	18	150
THWC-20	25	22	150

Wire Rope Thimble - Open



Part Number	Bend Radius (mm)	Seat Width (mm)	Opened Width (mm)
THWO-10	12.5*	11	14
THWO-12	15*	13	17
THWO-16	20*	18	21
THWO-20-4	25*	22	24
THWO-22	27.5*	24	28

Note: Bend radius will be slightly larger on open thimbles.

Safety Hook Plate

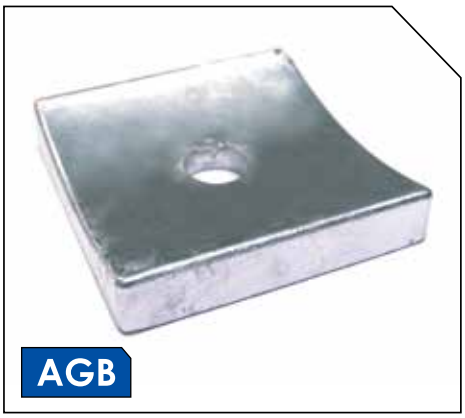


Part Number	Hook Size (mm)	Hole Size (mm)	Tension Rating (kN)	Standard Pack Quantity
GSHP-16	M16	14	3	25

Hardware Fittings



Aluminium Gain Block - Type 1



Type 1 is used for pole top transformer mounting.

Part Number	Length x Width (mm)	Hole Diameter (mm)	Standard Pack Quantity
AGB-100-22	100 x 100	22	25

Aluminium Gain Block - Type 2



Gain Block for mounting cross-arm onto concrete or wooden poles.

Part Number	Cross Arm Size (mm)	Standard Pack Quantity
AGB-100	100	25
AGB-125	125	25

Stainless Steel Conical Washer



A Stainless Steel Conical Spring Washer, when compressed by a bolt into timber, the coils compact into each other until the entire form is flat. The volute tapered washer maintains a constant pressure on the bolt ensuring any shrinkage of the timber does not affect the torque of the bolt.

Part Number	Bolt Size (mm)	Standard Pack Quantity
SSCW-12	M12	50
SSCW-16/20	M16 / M20	50
SSCW-24	M24	50

Hardware Fittings



Socket Clevis - Galvanised Forged Steel



Available with 'W' or 'R' clip security pin

Part Number	Tension Rating (kN)	Socket Size (mm)	Bolt Size (mm)	Standard Pack Quantity
SC-070-1	70	16	M16	25
SC-120-1	120	16	M16	-
SC-160-1	160	20	M20	-
SC-210-1	210	20	M20	8

Socket Thimble - Galvanised Cast Iron



'W' clip security pin

Part Number	Tension Rating (kN)	Thimble Bend Radius (mm)	Standard Pack Quantity
STH-070-1	70	20	25

Socket Tongue



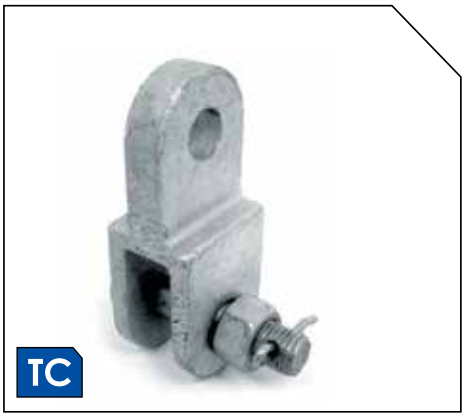
Available with 'W' or 'R' clip security pin

Part Number	Tension Rating (kN)	Bolt Size (mm)	Standard Pack Quantity
ST-070-1	70	M16	25
ST-160-1	160	M20	-
ST-210-1	210	M20	-

Hardware Fittings



Tongue Clevis - Galvanised Cast Iron



Part Number	Tension Rating (kN)	Bolt Size (mm)	Standard Pack Quantity
TC-070-1	70	M16	25
TC-120-1	120	M16	25

Ball Clevis - Cast Iron



Part Number	Tension Rating (kN)	Bolt Size (mm)	Ball Size (mm)	Standard Pack Quantity
BC-070-1	70	M16	16	25
BC-120-1	120	M16	16	25
BC-160-8	160	M20	20	15
BC-210-1	210	M20	20	-

Y Clevis Tongue - Forged



Part Number	Tension Rating (kN)	Bolt Size (mm)	Hole Size (mm)	Standard Pack Quantity
CTY-070-1	70	M16	18	25
CTY-160-44-8	160	M20	21.5	-

Hardware Fittings



Link Eye - Galvanised Forged Steel



Part Number	Tension Rating (kN)	Standard Pack Quantity
LE-070-1	70	50
LE-120	120	-
LE-160-1	160	-
LE-210-1	210	-
LE-320	320	-

Eye Tongue - Forged



Part Number	Tension Rating (kN)	Bolt Size (mm)	Standard Pack Quantity
ET-070-1	70	M16	25
ET-070-22	70	M20	25
ET-120-1	120	M16	-
ET-160-1	160	M20	-

Twisted Eye Tongue - Forged



Part Number	Tension Rating (kN)	Bolt Size (mm)	Standard Pack Quantity
TET-070	70	M16	25
TET-120-1	120	M16	-
TET-160-1	160	M20	15

Hardware Fittings



Ball Eyes - Galvanised Forged Steel



Part Number	Tension Rating (kN)	Ball Size (mm)	Standard Pack Quantity
BE-070-1	70	16	25
BE-120-1	120	16	-
BE-160-1	160	20	15
BE-210-8	210	20	-

Ball Hook Long Shank - Galvanised Forged Steel



Part Number	Tension Rating (kN)	Standard Pack Quantity
BHL-070-1	70	25

Note: Safety latch available. Substitute **-1** for **-2**.

Ball Hook Short Shank - Galvanised Forged Steel



Part Number	Tension Rating (kN)	Standard Pack Quantity
BHS-070-1	70	25

Hardware Fittings



Tongue Hook - Galvanised Forged Steel



Part Number	Tension Rating (kN)	Standard Pack Quantity
TH-070-1	70	25

Tongue Hook/Latched - Galvanised Forged Steel



Part Number	Tension Rating (kN)	Standard Pack Quantity
THL-070-1	70	25

Open Hook Nut - Galvanised Steel



- To suit 16mm and 20mm threaded rods.
- Can be attached to thimble eye bolts or standard bolts where it is necessary to connect to a structure.

Part Number	Thread Size (mm)	Standard Pack Quantity
ENGO-12	M12	50
ENGO-16	M16	50

Hardware Fittings






Link Single Plate



Link plates are available in 70, 120 and 160kN.
Substitute -070 for -120 or -160 respectively.

Part Number	Rating (kN)	Hole Separation (mm)
LSP-070-100	70	100
LSP-070-150	70	150
LSP-070-200	70	200
LSP-070-250	70	250
LSP-070-300	70	300
LSP-070-350	70	350

Link (Plate Double)



Link plates are available in 70, 120 and 160kN.
Substitute -070 for -120 or -160 respectively.

Part Number	Rating (kN)	Hole Separation (mm)
L-070-100	70	100
L-070-150	70	150
L-070-200	70	200
L-070-250	70	250
L-070-300	70	300
L-070-350	70	350

Yoke Plate - Triangular



120 kN and 160 kN tension ratings are also available, Replace -070 with -120 or -160 respectively

Part Number	Tension Rating (kN)	Hole Centre Spacing (mm)
YPT-070-070	70	70
YPT-070-100	70	100
YPT-070-125	70	125
YPT-070-150	70	150
YPT-070-200	70	200
YPT-070-250	70	250
YPT-070-380	70	380
YPT-070-460	70	460

Hardware Fittings



Screw Anchor



- Designed in Australia to out perform the competition with high holding capacity
- One piece high strength steel casting
- No welding to fracture or fail
- Suits both 20mm and 24mm guy rod applications
- Specially designed tip with multiple cutting faces allowing positive entry into all soil types.

Part Number	Blade Diameter	Thread Size (mm)
ANCHOR-262-24	262mm / 10"	M24

Screw Anchor Rod



Use with Stay Tensioner or Thimble Eyenut.

Part Number	Thread Size (mm)	Overall Length (mm)	Thread Length (mm)	Description
ANCHOR-ROD-20	M20	2140	60	
ANCHOR-ROD-20A	M20	2140	60	Assembly - Includes 2 x M20 Nuts
ANCHOR-ROD-20BLA	M20	2140	60	Assembled for Buried Log Applications
ANCHOR-ROD-20-3000x150	M20	3000	150	
ANCHOR-ROD-24	M24	2140	60	
ANCHOR-ROD-24A	M24	2140	60	Assembly - Includes 2 x M24 Nuts
ANCHOR-ROD-24-2400x150	M24	2400	150	
ANCHOR-ROD-24-2400x150D	M24	2400	150	Drilled for Split Pin
ANCHOR-ROD-24-3000x150	M24	3000	150	
ANCHOR-ROD-24-3000x150D	M24	3000	150	Drilled for Split Pin
ANCHOR-ROD-24-4500x150	M24	4500	150	
ANCHOR-ROD-24-4500x150D	M24	4500	150	Drilled for Split Pin
ANCHOR-ROD-24BLA	M24	2140	60	Assembled for Buried Log Applications
ANCHOR-ROD-34	M34	6000	150	-
ANCHOR-ROD-36-4000x150	M36	4000	150	-
ANCHOR-ROD-36	M36	6000	150	-

Hardware Fittings



Thimble Eyenut



- Medium duty
- Manufactured for high strength applications (see page 80)
- Suitable for 16mm, 20mm and 24mm rods

Part Number	Tension Rating (kN)	Thimble Bend Radius	Thread Size (mm)
THEN-16	30	20	M16
THEN-20	144	30	M20
THEN-24	144	30	M24
THEN-UNC1	144	30	1"

U-Bolt Stay Tensioner



Made from galvanised steel for use on staywires and anchors.
Used when loads exceed 140 kN.

Part Number	Tension Rating (kN)	Suites Anchor Rod Ø (mm)	Length Total (mm)	Thread Length (mm)	U-Bolt Ø (mm)
GADJ-144-350	144	M24	320	240	M20
GADJ-308-530	308	M30	530	250	M30
GADJ-320-530	320	M36	530	250	M30

Yoke Bar for ABC Suspension



This double suspension yoke bar provides up to 60° line deviation by using two suspension clamps of 30° each.

Part Number	Diameter (mm)	Length - Hook to Hook (mm)	Standard Pack Quantity
YABCOF-150	16	150	25
YABCOF-300	16	300	25

Hardware Fittings



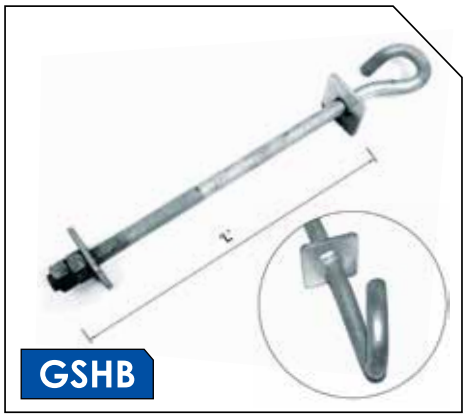
M20 and M24 Elongated Eye Bolt



- This fitting used with the PLP Anchor
- Other lengths available on request

Part Number (M20)	Part Number (M24)	Length (mm)	Threaded Length (mm)
GEBE-20150	GEBE-24150	150	150
GEBE-20200	GEBE-24200	200	150
GEBE-20250	GEBE-24250	250	150
GEBE-20300	GEBE-24300	300	150
GEBE-20350	GEBE-24350	350	150
GEBE-20400	GEBE-24400	400	150
GEBE-20420	GEBE-24420	420	150
GEBE-20450	GEBE-24450	450	150
GEBE-20500	GEBE-24500	500	150
GEBE-20550	GEBE-24550	550	150
GEBE-20600	GEBE-24600	600	150
GEBE-20650	GEBE-24650	650	150
GEBE-20700	GEBE-24700	700	150
GEBE-20750	GEBE-24750	750	150
GEBE-20800	GEBE-24800	800	150
GEBE-202500	GEBE-242500	2500	150

M16 Safety Hook Bolts



Made of galvanised steel for use with either wood or concrete poles.

Part Number	Length (mm)	Pole Diameter Range (mm)	Threaded Length (mm)	Bolt Size (mm)
GSHB-16200	200	61 - 160	150	16
GSHB-16300	300	160 - 260	150	16
GSHB-16400	400	261 - 360	150	16
GSHB-16500	500	361 - 460	150	16

Hardware Fittings



M16 Galvanised Hook Bolts



Made of galvanised steel for use with either wood or concrete poles. Straight hook

Part Number	Length (mm)	Threaded Length (mm)	Bolt Size (mm)
GEB-16150-T	150	150	16
GEB-16250-T	250	250	16
GEB-16350-T	350	350	16
GEB-16450-T	450	450	16

Note: Other lengths available on request.

M16 and M20 Round Eye Bolt



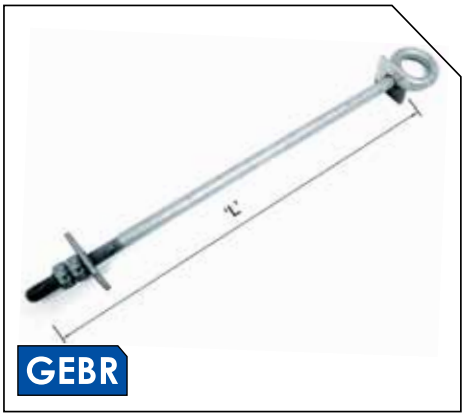
Note: Other lengths available on request.

Made of galvanised steel for use with either wood or concrete poles.

Part Number	Length (mm)	Threaded Length (mm)
GEBR-16150	150	100
GEBR-16200	200	100
GEBR-16250	250	100
GEBR-16300	300	100
GEBR-16350	350	100
GEBR-16400	400	100
GEBR-16450	450	100
GEBR-16500	500	100

Part Number	Length (mm)	Threaded Length (mm)
GEBR-20190	190	150
GEBR-20200	200	150
GEBR-20250	250	150
GEBR-20300	300	150
GEBR-20350	350	150
GEBR-20400	400	150
GEBR-20450	450	150
GEBR-20500	500	150
GEBR-20600	600	150

M20 Round Eye Bolt - Special Assembly



Made of galvanised steel for use with either wood or concrete poles.

Part Number	Length (mm)	Threaded Length (mm)
GEBR-20400-SQW	400	100
GEBR-20425-SQW	425	100
GEBR-20450-SQW	450	100
GEBR-20475-SQW	475	100
GEBR-20500-SQW	500	100
GEBR-20525-SQW	525	150
GEBR-20550-SQW	550	150
GEBR-20575-SQW	575	150
GEBR-20600-SQW	600	150
GEBR-20650-SQW	650	150

Hardware Fittings



M16 Galvanised Pole Step - For Concrete Poles



Part Number	Bolt Size (mm)	Length (mm)	Standard Pack Quantity
GPSC-16180	M16	180	25

Galvanised Pole Step - For Wooden Poles



Part Number	Bolt Size (mm)	Length (mm)	Standard Pack Quantity
GPSW-16250	M16	250	25

Wire Rope Grip



Part Number	Conductor Diameter (mm)	Bolt Size (mm)
WRG-08	8.00	M8
WRG-10	9.00 - 10.00	M10
WRG-12	11.00 - 12.00	M12
WRG-14	13.00 - 14.00	M12
WRG-16	16.00	M16
WRG-18	18.00	M16
WRG-21	20.00 - 22.00	M16
WRG-26	24.00 - 26.00	M20
WRG-28	28.00	M20
WRG-32	32.00	M20
WRG-36	36.00	M24
WRG-40	40.00	M24

Hardware Fittings



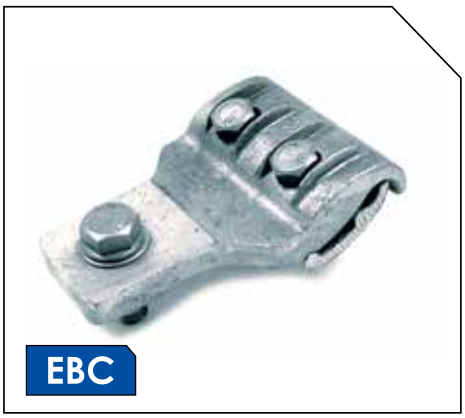
Parallel Groove Clamps - Aluminium



Many Parallel Groove Clamps are available tin plated for use with copper conductors. 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

Earth Bonding Clamp - For Permanent Earth Bonds



- Aluminium body
- Stainless fasteners

Part Number	Diameter Range (mm)
EBC-0719	17 - 19
EBC-1937	19 - 37

Split Bolt



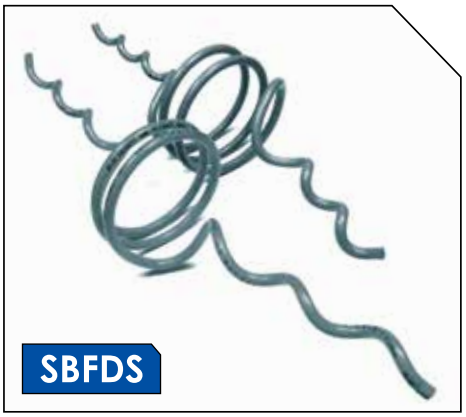
Designed to join or tap arial hard drawn or insulated copper conductors while applying and evenly distributed load to ESAA specifications. Available in natural brass or electrotinned.

Part Number		Conductor Size (mm^2)	Conductor Diameter (mm)
Natural Brass	Electro Tinned		
HB22	HB22T	16	5.10
HB24	HB24T	35	7.65
HB25	HB25T	70	10.70
HB26	HB26T	95	12.46
HB28	HB28T	185	15.75

Bird Flight Diverter



Spiral Bird Flight Diverter - Swan



The Bird Flight Diverter is designed to make overhead lines visible to birds and provide an economic means of reducing the hazard to both.

The fitting is light in weight, offers little wind resistance and is easily and quickly applied by hand or by hot stick. The positive grip on the conductor ensures that the Bird Flight Diverter remains in the applied position and cannot move along the span under aeolian vibration or other conditions. The diverter section increases the visible profile of the cable or conductor to a degree necessary to ensure safety, but avoids an undesirably bulky outline.

For Application Procedures, visit the PLP website.
www.preformed.com.au

Features

- Increased conductor profile where bird flight paths are present
- Lightweight with no concentrated mass
- Long life with no deterioration of material properties

Part Number	Conductor Diameter Range (mm)	Overall Length (mm)
SBFDS445634-#	4.42 - 6.34	675
SBFDS635829-#	6.35 - 8.29	675
SBFDS830117-#	8.30 - 11.74	725
SBFDS118143-#	11.75 - 14.30	725
SBFDS118143-#	14.40 - 19.30	725
SBFDS194235-#	19.40 - 23.50	1150
SBFDS236278-#	23.60 - 27.82	1150
SBFDS279350-#	27.83 - 35.00	1150

- Substitute either

W for White
G for Grey

Spiral Bird Flight Diverter



Part Number	Conductor Diameter Range (mm)	Overall Length (mm)
SBFD-001	4.45 - 6.34	178
SBFD-002	6.35 - 8.88	216
SBFD-003	8.89 - 11.42	241
SBFD-004	11.43 - 15.21	279
SBFD-005	15.22 - 19.55	330
SBFD-006	19.56 - 21.81	380

- Substitute either

W for White
G for Grey

Kover Guard



Kover Guards



Preformed Kover Guards are available for all types of cable including earthwire and fibre optic cable and offer protection from both impact and accidental damage. It is a better alternative to the old steel or wooden earth wire cover strips.

With many advantages such as high strength, light weight and insulation protection, matched with ease of installation, the cost savings are a real benefit.

Features

- UV stabilised material
- Impact resistant
- Insulation properties
- The option of fire retardant material
- In three designs, U shaped, circular fully enclosed or flared
- Corrosion, rot and termite proof

Advantages

- Easy installation
- Low cost
- Electrically safe
- Long life expectancy
- Light weight

Part Number	Internal Diameter (mm)	Length (m)	Material Colour	Profile	Standard Pack Quantity
PKG-019-1.2-G	19	1.2	Grey		20
PKG-019-2.8-G	19	2.8	Grey		20
PKGFR-020-2.7	20	2.7	Black		20
PKGFR-025-2.7	25	2.7	Black		20
PKGFL-020-2.0-B	20	2	Black		20
PKGFL-020-2.0-G	20	2	Grey		20
PKGFL-020-3.0-G	20	3	Grey		20
PKGFL-050-2.0-G	50	2	Grey		20
PKGFL-050-3.0-G	50	3	Grey		20
PKGFL-075-3.0-G	75	3	Grey		20

PLP® Band Lock



Band Lock



The PLP Band Strap System uses the unique Band Lock System to attach fittings safely and securely to steel or concrete poles.

Supplied as one unit, it does not require any special tools.

Quick and easy installation accepts 12, 16 or 19 mm stainless steel strapping.





Part Number
BL-10

Stainless Steel Strap



Stainless steel strap comes in 30m roll and available in a number of widths.

Part Number	Reel Length (mm)	Strap Width (mm)
SSS-12-H3016	30	12
SSS-16-H3019	30	16
SSS-19-H3022	30	19

Guy/Stay Guards



Guy/Stay Guards



Preformed Stay Guards are for identifying guy or stay wires or other wire and cable installation. They clearly identify stays in residential, industrial and rural situations, safeguarding against accidental collision.

Features

- Smooth - no jagged, sharp edges.
- Resilient - bounces back to shape when bumped.
- Withstands blows without shattering or cracking, even in subzero temperatures.
- Lightweight and compact - easy to store or transport.
- No corrosion.
- Self extinguishing.

Part Number	Internal Diameter (mm)	Length (m)	Standard Pack Quantity
PSG-025-2U	22	2	50
PSG-025-2U-FH	22	2	50
PSG-025-2S-FH	22	2	50
PSG-025-2.5U	22	2.5	50
PSG-025-2.5U-FH	22	2.5	50
PSG-025-2.5S-FH	22	2.5	50
PSG-030-2U	28	2	32
PSG-030-2U-FH	28	2	32
PSG-030-2S-FH	28	2	32
PSG-030-2.5U	28	2.5	32
PSG-030-2.5S	28	2.5	32
PSG-030-2.5U-FH	28	2.5	32
PSG-030-2.5S-FH	28	2.5	32
PSG-036-2U	32	2	25
PSG-036-2U-FH	32	2	25
PSG-036-2S-FH	32	2	25

Note:
FH = Fixing Holes
S = Slit
U = Unslit

Cable Stockings



Cable Stockings



Cable Stockings have many uses in the areas of construction, hauling and pulling. As the type of stocking design varies with each type of cable used, PLP can supply a range of stockings to meet your requirements.

Five designs are available, in sizes to cover a wide range of distribution cables. They are to suit bare overhead, aerial bundled cable and covered conductors. Any special requirements can be met.

The five designs are made out of;
1) One open end and one closed single eye.
2) Both ends open, but with a double eye at one end of the stocking.
3) Flat stocking with double eye.
4) Both ends open with no eyes.
5) Both ends open with one eye.

Nylon - LV ABC Conductors



Part Number	Conductor Construction (mm^2)	Tension Rating (kN)	Length Total (mm)
CSN-0225	2 x 25	15	600
CSN-0235	2 x 35	15	600
CSN-0250	2 x 50	15	600
CSN-0295	2 x 95	15	600
CSN-0335	3 x 35	15	600
CSN-0395	3 x 95	25	600
CSN-0425	4 x 25	15	600
CSN-0435	4 x 35	15	600
CSN-0450	4 x 50	15	600
CSN-0470	4 x 70	17	800
CSN-0495	4 x 95	25	800
CSN-4150	4 x 150	25	800

Nylon - HV ABC Conductors



Part Number	Conductor Construction (mm^2)	Tension Rating (kN)	Length Total (mm)
CSN-0335-HV	3 x 35	25	800
CSN-0350-HV	3 x 50	25	800
CSN-0370-HV	3 x 70	25	800
CSN-0395-HV	3 x 95	31	900
CSN-3120-HV	3 x 120	31	900
CSN-3150-HV	3 x 150	31	900
CSN-3185-HV	3 x 185	31	900

Cable Stockings






Steel Construction
Aluminium and Steel Based Conductors



Part Number	Conductor Diameter Range (mm)	Tension Rating (kN)	Length Total (mm)
CSS-1014	10 - 14mm	5	350
CSS-1419	14 - 19mm	9	400
CSS-1928	19 - 28mm	15	500
CSS-2840	28 - 40mm	24	600
CSS-4055	40 - 55mm	35	800

Steel Construction with Thimble Eye
Aluminium and Steel Based Conductors



Part Number	Conductor Diameter Range (mm)	Tension Rating (kN)	Length Total (mm)
CSS-1014TH	10 - 14mm	5	350
CSS-1419TH	14 - 19mm	9	400
CSS-1928TH	19 - 28mm	15	500
CSS-2840TH	28 - 40mm	24	600
CSS-4055TH	40 - 55mm	35	800

Heavy Duty Steel Construction
Aluminium and Steel Based Conductors



Part Number	Conductor Diameter Range (mm)	Tension Rating (kN)	Length Total (mm)
CSS-0407HD	4 - 7mm	5	300
CSS-0611HD	6 - 11mm	8	350
CSS-1014HD	10 - 14mm	15	350
CSS-1419HD	14 - 19mm	20	400
CSS-1928HD	19 - 28mm	37	500
CSS-2840HD	28 - 40mm	54	600
CSS-4055HD	40 - 55mm	62	800

Tables & Index

TABLES & INDEX

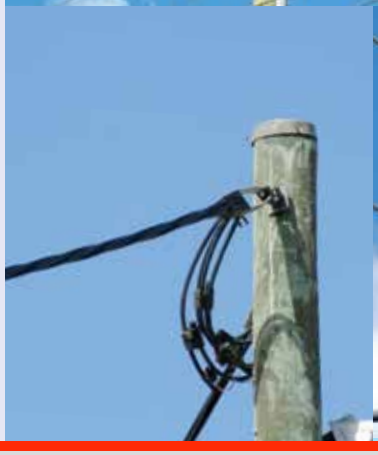
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"Though most fittings are to suit Australian Standard cable sizes, PLP Australia has additional ranges to suit United Kingdom, European and USA cable sizes."










Conductor Protection & Repair Data Card

Product	**Protecting** New or old undamaged conductor	**Repairing** New or old conductor	
	Location	**Location**	**Degree of damage**
Repair Rods	Support or suspension point (A)(B)(C)(D)	Support or suspension point or mid-span	**50%** of outer layer of aluminium or copper stranding for 7 & 19 strand conductors.
Armor Rods	Support or suspension point (A)(B)(C)(D)	Support point or mid-span	**25%** of outer layer of aluminium or copper stranding for 37 & 61 strand conductors.
Line Guard	Support point (B)(C)(D)	Mid-span	**25%** of outer layer of aluminium or copper conductors

Type of protection

(A) Vibration damage
(B) Chafing damage
(C) Arc-over burning
(D) Clamping stresses

To identify the correct fitting, the following information is required:

1 Is the requirement for protection or repair?

2 Is the position of use at the support point or mid-span?

3 Degree of damage?

Conductor Jointing Data Card

Product	**Joining** New conductor	**Repairing** New or old conductor	
	Location	**Location**	**Degree of damage**
Line Splice	Mid-span (Homogeneous conductor)	Mid-span (Homogeneous or ACSR)	**100%** of aluminium or copper stranding
Splice ACSR Full Tension	Mid-span (ACSR)	Mid-span (ACSR)	**100%** of aluminium and steel stranding

Cleaning and preparation: Optimum electrical performance from current carrying repair fittings can only be achieved if the following instructions are observed.

1 Wire brushing - All conductors, new or weathered, MUST be thoroughly wire brushed before the fitting is applied.

2 Inhibitors - All conductors, new or weathered, MUST be coated with a quality inhibitor along the area where the fitting is to be applied.

Conductor Reference Table

ACSR/GZ - Aluminium Conductor/Steel Reinforced (Galvanised) Australian Standard - AS1220 Part 1

Code Name	Stranding (mm)	OD (mm)	Eq. AL mm²	Area mm²	kN	Mass kg/km
Almond	6/1/2.50	7.50	29.00	34.36	10.5	119.0
Apple	6/1/.00	9.00	41.80	49.48	14.9	171.0
Banana	6/1/3.75	11.30	65.20	77.31	22.8	268.0
Cherry	6/4.75-7/1.60	14.30	105.00	120.40	33.0	404.0
Grape	30/7/2.50	17.50	144.00	181.60	63.7	675.0
Lemon	30/7/3.00	21.00	207.00	261.50	90.1	973.0
Lime	30/7/3.50	24.50	282.00	365.00	121.0	1320.0
Mango	54/7/3.00	27.00	373.00	431.20	118.0	1440.0
Orange	54/7/3.25	29.30	483.00	506.00	137.0	1690.0
Olive	54/7/3.50	31.50	508.00	586.90	159.0	1960.0
Paw-Paw	54/3.75-19/2.25	33.80	583.00	671.70	179.0	2250.0
Peach	54/4.75-19/2.85	42.80	936.00	1085.00	292.0	3660.0
Extra High Strength						
Quince	3/4/1.75	5.25	8.77	16.85	12.7	95.90
Raisin	3/4/2.50	7.50	17.90	34.36	24.4	193.0
Sultana	4/3/3.00	9.00	31.60	49.48	28.3	242.0
Walnut	4/3/3.75	11.30	49.40	77.31	43.9	379.0

SC/AC - Steel Conductors/Aluminium Clad Australian Standard - AS1222 Part 2

Stranding (mm)	OD (mm)	Eq. AL mm²	Area mm²	NBL kN	Mass kg/km
3/2.75	5.93	5.91	17.82	22.70	118.00
3/3.00	6.47	7.03	21.21	27.00	141.00
3/3.25	7.02	8.26	24.89	31.60	165.00
3/3.75	8.08	11.00	33.13	40.00	220.00
7/2.75	8.25	13.70	41.58	50.10	277.00
7/3.00	9.00	16.30	49.48	59.70	330.00
7/3.25	9.75	19.20	58.07	69.80	387.00
7/3.75	11.30	25.50	77.31	88.30	515.00
7/4.25	12.80	32.80	99.30	106.00	662.00
19/2.75	13.80	37.10	112.90	136.00	755.00
19/3.00	15.00	44.10	134.40	162.00	899.00
19/3.25	16.30	51.80	157.60	189.00	1060.00
19/3.75	18.80	68.90	209.80	240.00	1410.00
19/4.25	21.30	88.60	269.50	289.00	1800.00

Conductor Reference Table

SC/GZ - Steel Conductor/Galvanised Australian Standard - AS1222 part 1

Stranding (mm)	OD (mm)	Eq. AL mm²	Area mm²	NBL kN	Mass kg/km
3/2.00	4.31	1.56	9.43	11.70	75.50
3/2.75	5.93	2.95	17.82	22.20	139.00
7/2.00	6.00	3.62	21.99	27.40	177.00
7/2.75	8.25	6.85	41.58	51.80	326.00
7/3.25	9.75	9.56	58.07	72.30	460.00
7/3.75	11.30	12.70	77.31	96.20	609.00
19/2.00	10.00	9.79	56.96	74.40	483.00
19/2.75	13.80	18.50	112.90	141.00	888.00
19/3.25	16.30	25.80	157.60	196.00	1250.00

AAAC - All Aluminum Alloy Conductor 1120 Alloy

Code Name	Stranding (mm)	OD (mm)	Eq. AL mm²	Area mm²	NBL kN	Mass kg/km
Argon	7/1.75	5.25	16.10	16.84	4.00	46.10
Boron	7/2.25	6.75	26.50	27.83	6.61	75.90
Chlorine	7/2.50	7.50	32.80	34.36	8.18	94.30
Fluorine	7/3.00	9.00	47.20	49.48	11.80	135.00
Helium	7/3.75	11.30	73.70	77.31	17.60	211.00
Hydrogen	7/4.50	13.50	106.00	111.30	24.30	304.00
Iodine	7/4.75	14.30	118.00	124.00	27.10	339.00
Krypton	19/3.25	16.30	150.00	157.60	37.40	433.00
Neon	19/3.75	18.80	199.00	209.80	47.80	576.00
Nitrogen	37/3.00	21.00	248.00	261.50	62.20	721.00
Oxygen	19/4.75	23.80	320.00	336.70	73.60	924.0
Phosphorous	37/3.75	26.30	387.00	408.70	93.10	1120.00
Selenium	61/3.25	29.30	478.00	506.00	114.00	1400.00
Sulphur	61/3.75	33.80	637.00	673.70	145.00	1860.00
Xenon	91/4.50	49.50	1360.00	1447.00	300.00	4000.00

AAAC - 6201 Aluminum Alloy Conductor Australian Standard - AS1531 Part 2

Code Name	Stranding (mm)	OD (mm)	Eq. AL mm²	Area mm²	NBL kN	Mass kg/km
Agate	7/1.75	5.25	14.30	16.84	4.71	46.10
Amethyst	7/2.25	6.75	23.70	27.83	7.78	75.90
Diamond	7/2.50	7.50	29.30	34.36	9.64	94.30
Emerald	7/3.00	9.00	42.10	49.48	13.90	135.00
Garnet	7/3.75	11.30	65.80	77.31	21.70	211.00
Jade	7/4.50	13.50	94.80	111.30	31.20	304.00
Jasper	7/4.75	14.30	106.00	124.00	34.80	339.00
Opal	19/3.25	16.30	134.00	157.60	44.20	433.00
Pearl	19/3.75	18.80	178.00	209.80	58.80	576.00
Ruby	37/3.00	21.00	221.00	261.50	73.50	721.00
Rutile	19/4.75	23.80	285.00	336.70	94.40	924.0
Sapphire	37/3.75	26.30	345.00	408.70	115.00	1120.00
Spinel	61/3.25	29.30	426.00	506.00	135.00	1400.00
Topaz	61/3.75	33.80	568.00	673.70	179.00	1860.00
Zircon	91/4.50	49.50	1220.00	1447.00	384.00	4000.00

HDC - Hard Drawn Copper Conductor Australian Standard - AS1746 1975

Stranding (mm)	OD (mm)	Eq. AL mm²	Area mm²	NBL kN	Mass kg/km
7/1.00	3.00	8.68	5.49	2.31	49.30
7/1.25	3.75	13.60	8.59	3.61	76.90
7/1.75	5.25	26.60	16.84	6.89	151.00
7/2.00	6.00	34.70	21.99	9.02	197.00
7/2.75	8.25	65.30	41.58	16.70	375.00
7/3.50	10.50	106.00	67.35	26.60	607.00
19/1.75	8.75	71.70	45.70	18.30	413.00
19/2.00	10.00	93.70	59.69	23.90	538.00
19/2.75	13.80	177.00	112.90	44.50	1020.00
19/3.00	15.00	211.00	134.30	52.80	1210.00
37/1.75	12.30	139.00	89.00	35.60	806.00
37/2.50	17.50	284.00	181.60	72.90	1640.00
37/2.75	19.30	344.00	219.80	86.60	1990.00
37/3.00	21.00	409.00	261.50	103.00	2370.00
61/2.75	24.80	566.00	362.30	143.00	3280.00

Conductor Reference Table

ACSR/AC - Aluminium Conductor/Steel Reinforced (Alum. Clad) Australian Standard AS1220 Part 3

Code Name	Stranding (mm)	OD (mm)	Eq. AL mm²	Area mm²	NBL kN	Mass kg/km
Angling	6/1/2.50	7.50	30.70	34.36	10.70	113.00
Archery	6/1/3.00	9.00	44.10	49.48	15.00	163.00
Baseball	6/1/3.75	11.30	68.90	77.31	22.40	255.00
Bowls	6/4.75-7/1.60	14.30	109.00	120.40	32.60	385.00
Cricket	30/7/2.50	17.50	155.00	181.60	64.60	635.00
Darts	30/7/3.00	21.00	244.00	261.50	91.30	913.00
Diving	30.7/3.50	24.50	305.00	365.00	121.00	1240.00
Golf	54/7/3.00	27.00	390.00	431.20	119.00	1380.00
Gymnastics	54/7/3.25	29.30	475.00	506.00	138.00	1620.00
Hurdles	54/7/3.50	31.50	530.00	586.90	159.00	1880.00
Lacrosse	54/3.75-19/2.25	33.80	608.00	671.70	181.00	2150.00
Rugby	54/4.75-19/2.85	42.80	978.00	1085.00	295.00	3500.00
Extra High Strength						
Skating	3/4/1.75	5.25	10.40	16.85	12.30	83.50
Soccer	3/4/2.50	7.50	21.20	34.36	24.90	170.00
Swimming	4/3/3.00	9.00	35.20	49.48	28.80	217.00
Tennis	4/3/3.75	11.30	54.90	77.31	42.80	339.00

AAC - All Aluminium Conductor Australian Standard AS1531 Part 1

Code Name	Stranding (mm)	OD (mm)	Eq. AL mm²	Area mm²	NBL kN	Mass kg/km
Gemini	7/1.75	5.25	16.60	16.84	3.01	46.10
Jupiter	7/2.75	6.75	27.50	27.83	4.76	75.90
Leo	7/2.50	7.50	33.90	34.36	5.75	94.30
Libra	7/3.00	9.00	48.80	49.48	7.91	135.00
Mars	7/3.75	11.30	76.30	77.31	11.90	212.00
Mercury	7/4.50	13.50	110.00	111.30	16.80	305.00
Moon	7/4.75	14.30	122.00	124.00	18.80	340.00
Neptune	19/3.25	16.30	155.00	157.00	24.70	433.00
Pluto	19/3.75	18.80	206.00	209.80	32.30	578.00
Saturn	37/3.00	21.00	256.00	261.50	41.80	721.00
Taurus	19/4.75	23.80	331.00	336.70	50.90	926.00
Triton	37/3.75	26.30	400.00	408.70	62.90	1130.00
Uranus	61/3.25	29.30	493.00	506.00	75.20	1400.00
Venus	61/3.75	33.80	659.00	673.70	98.30	1860.00
Virgo	91/4.50	49.50	1410.00	1447.00	207.00	1410.00

Product Selection Chart

Finding a PLP Product Part Number

1 Please choose your conductor from the list in the far left columns - which is partitioned into conductor types.

Shaded conductor types as follows:

AAAC AAC ACSR

Code	Stranding	Type	O/D (mm)	Helical Grip	Compression Deadend	Helical Splice	Compression Midspan	Distribution Tie 76mm	Distribution Tie 112mm
Agate	7/1.75	AAAC	5.25	AFG-053		AFS-053			
Diamond	7/2.50	AAAC	7.5	AFG-075, AWFG-075-X		AFS-075		AWDT-075-76	AWDT-075-112
Emerald	7/3.00	AAAC	9	AFG-090-CL, AWFG-090-X		AFS-090		AWDT-090-76	AWDT-090-112
Garnet	7/3.75	AAAC	11.25	AFG-113-CL, AFG-113-L, AFG-113-X		AFS-113	CMSAAAC-113	AWDT-113-76	AWDT-113-112
Jade	7/4.50	AAAC	13.5	AFG-135-CL	CDEAAAC-135T	AFS-135		AWDT-140-76	AWDT-140-112
Jasper	7/4.75	AAAC	14.25	AFG-143-CL, AFG-143-ER, AWFG-143-X	CDEAAAC-143	AFS-143	CMSAAAC-143-1	AWDT-140-76	AWDT-140-112
Opal	19/3.25	AAAC	16.3	AFG-163-CL, AFG-163-ER	CDEAAAC-163-2	AFS-163	CMSAAAC-163-1	AWDT-163-76	AWDT-163-112
Pearl	19/3.75	AAAC	18.8	AFG-188-CL, AFG-188-ER	CDEAAAC-188-2	AFS-188	CMSAAAC-188-1	AWDT-180-76	AWDT-180-112
Ruby	37/3.00	AAAC	21.0	AFG-210-CL, AFG-210-ER	CDEAAAC-210-1	AFS-210	CMSAAAC-210-1	AWDT-210-76	AWDT-210-112
Sapphire	37/3.75	AAAC	26.3	AFG-263-LT-CL	CDEAAAC-263-4		CMSAAAC-263-1		
Spinel	61/3.25	AAAC	29.25	AFG-293	CDEAAAC-293-1		CMSAAAC-293		
Topaz	61/3.75	AAAC	33.75		CDEAAAC-338-1	ARSS-338	CMSAAAC-338-1		
Boron	7/2.25	AAAC/1120	6.75	AFG-068		AFS-068			
Chlorine	7/2.50	AAAC/1120	7.5	AFG-075, AWFG-075-X		AFS-075	CMFT36A	AWDT-075-76	AWDT-075-112
Fluorine	7/3.00	AAAC/1120	9	AFG-090-CL, AWFG-090-X		AFS-090	CMFT44A, CMSAAAC-090	AWDT-090-76	AWDT-090-112
Helium	7/3.75	AAAC/1120	11.25	AFG-113-CL, AFG-113-L, AFG-113-X		AFS-113	CMFT50A, CMSAAAC-113	AWDT-113-76	AWDT-113-112
Hydrogen	7/4.50	AAAC/1120	13.5	AFG-135-CL	CDEAAAC-135T	AFS-135	CMFT61A, CMSAAAC-135	AWDT-140-76	AWDT-140-112
Iodine	7/4.75	AAAC/1120	14.25	AFG-143-CL, AFG-143-ER, AWFG-143-X	CDEAAAC-143	AFS-143	CMFT61A, CMSAAAC-143	AWDT-140-76	AWDT-140-112
Krypton	19/3.25	AAAC/1120	16.3	AFG-163-CL, AFG-163-ER	CDEAAAC-163-2	AFS-163	CMFT68A, CMSAAAC-163	AWDT-163-76	AWDT-163-112
Neon	19/3.75	AAAC/1120	18.8	AFG-188-CL, AFG-188-ER	CDEAAAC-188-2	AFS-188	CMSAAAC-188-1	AWDT-180-76	AWDT-180-112
Nitrogen	37/3.00	AAAC/1120	21.0	AFG-210-CL, AFG-210-ER	CDEAAAC-210-1	AFS-210	CMSAAAC-210-1	AWDT-210-76	AWDT-210-112
Nobelium	37/3.25	AAAC/1120	22.8		CDEAAAC-228-1		CMSAAAC-228-1	AWDT-240-76	AWDT-240-112
Oxygen	19/4.75	AAAC/1120	23.8	AFG-240-ER, AFG-240-LT-CL	CDEAAAC-238-1	AFS-238	CMSAAAC-238-1	AWDT-240-76	AWDT-240-112
Phosphorus	37/3.75	AAAC/1120	26.3	AFG-263-LT-CL	CDEAAAC-263-4		CMSAAAC-263-1		
Gemini	7/1.75	AAC	5.25	AFG-053		AFS-053			
Leo	7/2.50	AAC	7.5	AFG-075, AWFG-075-X		AFS-075	CMFT36A,	AWDT-075-76	AWDT-075-112
Ladybird	7/2.79	AAC	8.37	AFG-083		AFS-083		AWDT-090-76	AWDT-090-112
Libra	7/3.00	AAC	9	AFG-090-CL, AWFG-090-X		AFS-090	CMFT44A, CMSA-090	AWDT-090-76	AWDT-090-112
Fly	7/3.40	AAC	10.2	AFG-102-CL, AFG-102-L-CL		AFS-102	CMSA-102		
Mars	7/3.75	AAC	11.25	AFG-113-CL, AFG-113-L, AFG-113-X		AFS-113	CMFT50A, CMSA-113	AWDT-113-76	AWDT-113-112
Mercury	7/4.50	AAC	13.5	AFG-135-CL		AFS-135	CMFT61A, CMSA-132	AWDT-140-76	AWDT-140-112
Moon	7/4.75	AAC	14.25	AFG-143-CL, AFG-143-ER, AWFG-143-X	CDEA-143-1	AFS-143	CMFT61A, CMSA-143	AWDT-140-76	AWDT-140-112
Cricket	7/5.36	AAC	16.08					AWDT-163-76	AWDT-163-112
Hornet	19/3.25	AAC	16.3	AFG-163-CL, AFG-163-ER	CDEA-163-1	AFS-163	CMSA-163	AWDT-163-76	AWDT-163-112
Neptune	19/3.25	AAC	16.3	AFG-163-CL, AFG-163-ER	CDEA-163-1	AFS-163	CMFT68A,	AWDT-163-76	AWDT-163-112
Pluto	19/3.75	AAC	18.8	AFG-188-CL, AFG-188-ER	CDEA-188-1	AFS-188	CMSA-188, CMSA-188-NT	AWDT-180-76	AWDT-180-112
Saturn	37/3.00	AAC	21.0	AFG-210-CL, AFG-210-ER	CDEA-210-1	AFS-210	CMSA-210, CMSA-210-NT	AWDT-210-76	AWDT-210-112
Cockroach	19/4.22	AAC	21.1	AFG-210-CL	CDEA-210T-1		CMSA-211-FT	AWDT-210-76	AWDT-210-112
Taurus	19/4.75	AAC	23.8	AFG-240-ER, AFG-240-LT-CL	CDEA-238-1	AFS-238	CMSA-238-3, CMSA-238-NT	AWDT-240-76	AWDT-240-112
Triton	37/3.75	AAC	26.3	AFG-263-LT-CL	CDEA-263-1		CMSA-263-3, CMSA-263-NT		
Quince	3/4/1.75	ACSR	5.25	AWFG-053					
Skating	3/4/1.75	ACSR	5.25	AWFG-053					
Squirrel	6/1/2.11	ACSR	6.33	AWFG-063-X		AFS-063			
Magpie	3/4/2.12	ACSR	6.36	AWFG-063-X		AFS-063-AW			
Almond	6/1/2.50	ACSR	7.5	AWFG-075-X				AWDT-075-76	AWDT-075-112
Angling	6/1/2.50	ACSR	7.5	AWFG-075-X				AWDT-075-76	AWDT-075-112
Barley	6/1/2.50	ACSR	7.5	AWFG-075-X				AWDT-075-76	AWDT-075-112
Raisin	3/4/2.50	ACSR	7.5	AWFG-075-X			CMSJ-075-X	AWDT-075-76	AWDT-075-112
Apple	6/1/3.00	ACSR	9	AWFG-090-X		AFS-090, FTS-090		AWDT-090-76	AWDT-090-112
Sultana	4/3/3.00	ACSR	9	AWFG-090-X		AFS-090-AW	CMSA-090-NT, CMSJ-090-X	AWDT-090-76	AWDT-090-112
Snipe	3/4/3.37	ACSR	10.11	AWFG-101-X		AFS-101-AW			
Banana	6/1/3.75	ACSR	11.25	AFG-113-L, AWFG-113-X, FTG-113	CDE-113T-1	AFS-113-AW, FTS-113	CMSJ-113-4, CMSA-113-X	AWDT-113-76	AWDT-113-112
Walnut	4/3/3.75	ACSR	11.3	AFG-113-L, AWFG-113-X, FTG-113	CDE-113T-1	AFS-113-AW, FTS-113		AWDT-113-76	AWDT-113-112
Dog	6/4.72/7/1.57	ACSR	14.15	FTG-143	CDE-143-1-A	FTS-143		AWDT-140-76	AWDT-140-112
Cherry	6/4.75/7/1.60	ACSR	14.3	AWFG-143-X, FTG-143	CDE-143-1	FTS-143	CMSJ-143-2, CMSJ-143-X	AWDT-140-76	AWDT-140-112
Cockatoo	12/7/3.00	ACSR	15.00	FTG-150		ARSS-150, FTS-150		AWDT-163-76	AWDT-163-112
Grape	30/7/2.50	ACSR	17.5	FTG-175	CDE-175-1	AFS-175, FTS-175	CMSA-175-NT, CMSJ-175	AWDT-180-76	AWDT-180-112
Wolf	30/7/2.59	ACSR	18.13		CDE-181-1		CMSJ-181	AWDT-180-76	AWDT-180-112
Ibis	26/3.14/7/2.44	ACSR	19.88		CDE-199-1		CMSJ-199	AWDT-210-76	AWDT-210-112
Ibis (Super)	26/3.14/7/2.50	ACSR	20.1					AWDT-210-76	AWDT-210-112
Lemon	30/7/3.00	ACSR	21.0	FTG-210	CDE-210-1	ARSS-210-2, FTS-210	CMSJ-210	AWDT-210-76	AWDT-210-112
Hen	30/7/3.20	ACSR	22.4		CDE-224-1			AWDT-220-76	AWDT-220-112
Bear	30/7/3.35	ACSR	23.45		CDE-235-1		CMSJ-235	AWDT-240-76	AWDT-240-112
Lime	30/7/3.50	ACSR	24.5	FTG-245	CDE-245-1	FTS-245	CMSJ-245	AWDT-240-76	AWDT-240-112
Gannet	26/4.07/7/3.16	ACSR	25.8						
Goat	30/7/3.71	ACSR	25.97		CDE-260-1	ARSS-260	CMSJ-260		

Product Selection Chart

2 Next select your product type from the very top row. Match up the conductor with the corresponding product to give the required PLP part number.

3 Please contact PLP if your required product is not listed or if a conductor size is not present.

Armor Rods	Armor Rods Subset	Distribution Tie Over Armor 76mm	Distribution Tie Over Armor 112mm	Side Tie 54mm	Side Tie 76mm	Side Tie 112mm	Side Tie Over Armor 54mm	Side Tie Over Armor 76mm	Side Tie Over Armor 112mm	Armor Grip Suspension (AGS), (Single, Double)
AAR-053	AARS-053	AWDT-113A-76	AWDT-113A-112				AWST-113A-54			
AAR-075	AARS-075	AWDT-140A-76	AWDT-140A-112		AWST-075-76	AWST-075-112	AWST-140A-54	AWST-140A-76	AWST-140A-112	AGS-8099, AGS-8799
AAR-090	AARS-090	AWDT-163A-76	AWDT-163A-112	AWST-090-54	AWST-090-76	AWST-090-112	AWST-163A-54	AWST-163A-76	AWST-163A-112	AGS-8104, AGS-8804
AAR-113	AARS-113	AWDT-210A-76	AWDT-210A-112				AWST-210A-54	AWST-210A-76	AWST-210A-112	AGS-8109, AGS-8809
AAR-135	AARS-135	AWDT-220A-76	AWDT-220A-112					AWST-220A-76		AGS-5102, AGS-5802
AAR-143	AARS-143	AWDT-240A-76	AWDT-240A-112					AWST-240A-76	AWST-240A-112	AGS-5104, AGS-5804
AAR-163	AARS-163	AWDT-255A-76	AWDT-255A-112				AWST-255A-54	AWST-255A-76		AGS-5108, AGS-5808
AAR-188	AARS-188	AWDT-290A-76	AWDT-290A-112					AWST-290A-76	AWST-290A-112	AGS-5113, AGS-5813
AAR-210										AGS-5117, AGS5817
AAR-250										AGS-5127, AGS-5827
AAR-293										AGS-5132, AGS-5832
AAR-338										AGS-5139, AGS-5839
AAR-068										
AAR-075	AARS-075	AWDT-140A-76	AWDT-140A-112		AWST-075-76	AWST-075-112	AWST-140A-54	AWST-140A-76	AWST-140A-112	AGS-8099, AGS-8799
AAR-090	AARS-090	AWDT-163A-76	AWDT-163A-112	AWST-090-54	AWST-090-76	AWST-090-112	AWST-163A-54	AWST-163A-76	AWST-163A-112	AGS-8104, AGS-8804
AAR-113	AARS-113	AWDT-210A-76	AWDT-210A-112				AWST-210A-54	AWST-210A-76	AWST-210A-112	AGS-8109, AGS-8809
AAR-135	AARS-135	AWDT-220A-76	AWDT-220A-112					AWST-220A-76		AGS-5102, AGS-5802
AAR-143	AARS-143	AWDT-240A-76	AWDT-240A-112					AWST-240A-76	AWST-240A-112	AGS-5104, AGS-5804
AAR-163	AARS-163	AWDT-255A-76	AWDT-255A-112				AWST-255A-54	AWST-255A-76		AGS-5108, AGS-5808
AAR-188	AARS-188	AWDT-290A-76	AWDT-255A-112					AWST-290A-76	AWST-290A-112	AGS-5113, AGS-5813
AAR-210			AWDT-290A-112							AGS-5117, AGS-5817
AAR-230										AGS-5120, AGS-5820
AAR-240										AGS-5123, AGS-5823
AAR-250										AGS-5127, AGS-5827
AAR-053	AARS-053	AWDT-113A-76	AWDT-113A-112				AWST-113A-54			
AAR-075	AARS-075	AWDT-140A-76	AWDT-140A-112		AWST-075-76	AWST-075-112	AWST-140A-54	AWST-140A-76	AWST-140A-112	AGS-8099, AGS-8799
AAR-084	AARS-084	AWDT-163A-76	AWDT-163A-112	AWST-090-54	AWST-090-76	AWST-090-112	AWST-163A-54	AWST-163A-76	AWST-163A-112	AGS-8109, AGS-8804
AAR-090	AARS-090	AWDT-163A-76	AWDT-163A-112	AWST-090-54	AWST-090-76	AWST-090-112	AWST-163A-54	AWST-163A-76	AWST-163A-112	AGS-8104, AGS-8804
AAR-102	AARS-102									AGS-8106, AGS-8806
AAR-113	AARS-113	AWDT-210A-76	AWDT-210A-112				AWST-210A-54	AWST-210A-76	AWST-210A-112	AGS-8109, AGS-8809
AAR-135	AARS-135	AWDT-220A-76	AWDT-220A-112					AWST-220A-76		AGS-5102, AGS-5802
AAR-143	AARS-143	AWDT-240A-76	AWDT-240A-112					AWST-240A-76	AWST-240A-112	AGS-5104, AGS-5804
AAR-163	AARS-163									AGS-5108, AGS-5808
AAR-163	AARS-163	AWDT-255A-76					AWST-255A-54	AWST-255A-76		AGS-5108, AGS-5808
AAR-163	AARS-163	AWDT-255A-76					AWST-255A-54	AWST-255A-76		AGS-5108, AGS-5808
AAR-188	AARS-188	AWDT-290A-76						AWST-290A-76	AWST-290A-112	AGS-5113, AGS-5813
AAR-210										AGS-5119, AGS5819
AAR-210										AGS-5119, AGS5819
AAR-240										AGS-5123, AGS-5123
AAR-250										AGS-5127, AGS-5827
AAR-053	AARS-053	AWDT-113A-76	AWDT-113A-112				AWST-113A-54			
AAR-053	AARS-053	AWDT-113A-76	AWDT-113A-112				AWST-113A-54			
AAR-063		AWDT-125A-76	AWDT-125A-112							
AAR-063		AWDT-125A-76	AWDT-125A-112							
AAR-075	AARS-075	AWDT-140A-76	AWDT-140A-112		AWST-075-76	AWST-075-112	AWST-140A-54	AWST-140A-76	AWST-140A-112	AGS-8099, AGS-8799
AAR-075	AARS-075	AWDT-140A-76	AWDT-140A-112		AWST-075-76	AWST-075-112	AWST-140A-54	AWST-140A-76	AWST-140A-112	AGS-8099, AGS-8799
AAR-075	AARS-075	AWDT-140A-76	AWDT-140A-112		AWST-075-76	AWST-075-112	AWST-140A-54	AWST-140A-76	AWST-140A-112	AGS-8099, AGS-8799
AAR-075	AARS-075	AWDT-140A-76	AWDT-140A-112		AWST-075-76	AWST-075-112	AWST-140A-54	AWST-140A-76	AWST-140A-112	AGS-8099, AGS-8799
AAR-090	AARS-090	AWDT-163A-76	AWDT-163A-112	AWST-090-54	AWST-090-76	AWST-090-112	AWST-163A-54	AWST-163A-76	AWST-163A-112	AGS-8104, AGS-8804
AAR-090	AARS-090	AWDT-163A-76	AWDT-163A-112	AWST-090-54	AWST-090-76	AWST-090-112	AWST-163A-54	AWST-163A-76	AWST-163A-112	AGS-8104, AGS-8804
AAR-102	AARS-102									AGS-8106, AGS-8806
AAR-113	AARS-113	AWDT-210A-76	AWDT-210A-112				AWST-210A-54	AWST-210A-76	AWST-210A-112	AGS-8109, AGS-8809
AAR-113	AARS-113	AWDT-210A-76	AWDT-210A-112				AWST-210A-54	AWST-210A-76	AWST-210A-112	AGS-8109, AGS-8809
AAR-143	AARS-143	AWDT-240A-76	AWDT-240A-112					AWST-240A-76	AWST-240A-112	AGS-5104, AGS-5804
AAR-143	AARS-143	AWDT-240A-76	AWDT-240A-112					AWST-240A-76	AWST-240A-112	AGS-5104, AGS-5804
AAR-157										AGS-5105, AGS-5805
AAR-175	AARS-175	AWDT-290A-76						AWST-290A-76	AWST-290A-112	AGS-5110, AGS-5810
AAR-175	AARS-175	AWDT-290A-76						AWST-290A-76	AWST-290A-112	AGS-5112, AGS-5812
										AGS-5115, AGS-5815
AAR-201										AGS-5115, AGS-5815
AAR-210										AGS-5117, AGS-5817
AAR-220										AGS-5119, AGS-5819
AAR-230										AGS-5122, AGS-5822
AAR-240										AGS-5124, AGS-5824
AAR-250										AGS-5126, AGS-5826
AAR-250										AGS-5126, AGS-5826

Product Selection Chart

Stranding	Type	O/D (mm)	Helical Grip	Compression Deadend Earthwire	Helical Splice	Vibration Damper	Armor Grip Suspension (AGS), (Single, Double)	Compression Midspan
3/2.75	SC/AC	5.93	AWFG-K023, AWFG-K023-R		AWFS-K023	SVD-0102		CMS-060-NT
7/2.06	SC/AC	6.18				SVD-0102		
3/3.00	SC/AC	6.47				SVD-0103		
3/3.25	SC/AC	7	AWFG-K032		AWFS-K032	SVD-0103		
3/3.75	SC/AC	8.08	AWFG-K040		AWFS-K040	SVD-0103		
7/2.75	SC/AC	8.25	AWFG-K050, AWFG-K050-R	CDST-083	AWFS-K050	SVD-0103	AGS-6101, AGS-6801	
7/3.00	SC/AC	9		CDST-090		SVD-0104		
7/3.05	SC/AC	9.15	AWFG-K060-8			SVD-0104		
7/3.25	SC/AC	9.75	AWFG-K070, AWFG-K070-8, AWFG-K070-ER	CDST-098	AWFS-K070	SVD-0104	AGS-6105, AGS-6805	CMS-098-1
7/3.75	SC/AC	11.3			AWFS-K088	SVD-0104	AGS-6109, AGS-6805	CMS-113-1
7/4.25	SC/AC	12.8	AWFG-K106, AWFG-K106-R	CDST-128	AWFS-K106, AWFS-K106-R	SVD-0105	AGS-6112	CMS-128-2
19/2.75	SC/AC	13.8	AWFG-K136		AWFS-K136	SVD-0105		
19/3.00	SC/AC	15.00				SVD-0106		
19/3.25	SC/AC	16.3	AWFG-K189			SVD-0106		
19/3.75	SC/AC	18.8				SVD-0106		
19/4.25	SC/AC	21.3				VORTX		
1/3.00	SC/GZ	3.10	GFG-031-S		GFS-031S			
1/4.00	SC/GZ	4.00			GFS-040			
3/2.00	SC/GZ	4.31	GFG-043		GFS-043			
7/1.60	SC/GZ	4.80	GFG-048-CL		GFS-048	SVD-0102		
3/2.75	SC/GZ	5.93	GFG-055		GFS-055, GFS-055-L	SVD-0102		
7/2.00	SC/GZ	6.00	GFG-060-CL		GFS-060, GFS-060-LH	SVD-0102		
7/2.50	SC/GZ	7.5	GFG-075		GFS-075	SVD-0103		
7/2.75	SC/GZ	8.25	GFG-083-CL	CDS-083-1	GFS-083	SVD-0103	AGS-7101, AGS-7801	CMS-083-1
7/3.00	SC/GZ	9	GFG-090		GFS-094-S	SVD-0104		
7/3.25	SC/GZ	9.75	GFG-100	CDS-098-1	GFS-098-2	SVD-0104	AGS-7105, AGS-7805	
19/2.00	SC/GZ	10.00	GFG-100		GFS-100, GRSS-100	SVD-0104	AGS-7106	CMS-105-1
7/3.75	SC/GZ	11.3	GFG-113-CL	CDS-113-1	GFS-113, GRSS-113	SVD-0104	AGS-7109	
7/4.00	SC/GZ	12.00	GFG-120		GFS-120	SVD-0105		
19/2.55	SC/GZ	12.75		CDS-128-2	GFS-126-S	SVD-0105		
19/2.75	SC/GZ	13.8	GFG-138		GFS-138	SVD-0105		
19/3.20	SC/GZ	16.0	GFG-160-WR-CL		GFS-160-WR	SVD-0106		
19/3.25	SC/GZ	16.3	GFG-163		GFS-163	SVD-0106		
7/1.00	HDC	3.00	CFG-030					
7/1.25	HDC	3.75	CFG-038					
3/2.00	HDC	4.31	CFG-043		CFS-043, CFS-043-L			
7/1.63	HDC	4.89	CFG-048		CFS-048		AGS-9105	
7/1.75	HDC	5.25	CFG-053		CAS-053, CFS-053			
7/2.00	HDC	6.00	CFG-060		CAS-060, CFS-060		AGS-9109	
7/2.50	HDC	7.5	CFG-075		CFS-075			
7/2.75	HDC	8.25	CFG-083		CAS-083, CFS-083, CFS-083-L		AGS-9101	
19/1.75	HDC	8.75	CFG-088		CFS-088			
7/3.00	HDC	9	CFG-088		CFS-088			CMSC-090-FT
7/3.25	HDC	9.75	CFG-096		CFS-096, CFS-096-L			
19/2.00	HDC	10.00	CFG-100-CL		CFS-100, CFS-100-L			CMSC-100-FT
7/3.50	HDC	10.5	CFG-105-8-CL		CFS-105		AGS-9107	CMSC-105-FT
7/3.75	HDC	11.3	CFG-113-CL		CFS-113			CMSC-113-4
19/2.34	HDC	11.7	CFG-117		CFS-117			
37/1.75	HDC	12.3	CFG-125		CFS-125			
19/2.56	HDC	12.8	CFG-125		CFS-125			
19/2.75	HDC	13.8	CFG-138-CL		CFS-138			
19/3.00	HDC	15.00	CFG-150-CL		CFS-150			CMSC-150-FT
37/2.25	HDC	15.75			CFS-158			
19/3.33	HDC	16.64	CFG-166		CFS-166			
37/2.50	HDC	17.5	CFG-175-CL		CFS-175			
37/2.62	HDC	18.34	CFG-183-CL		CFS-183			
37/2.75	HDC	19.3	CFG-193					
37/2.93	HDC	20.51	CFG-203-CL		CFS-205			
37/3.00	HDC	21.0	CFG-210-CL		CFS-210			
37/3.35	HDC	23.47	CFG-235-CL		CFS-235			
61/2.75	HDC	24.8						

Product Selection Chart

Distribution Tie 76mm	Armor Rods	Armor Rods Subset	Distribution Tie Over Armor 76mm	Distribution Tie Over Armor 112mm	Side Tie 54mm	Side Tie 76mm	Side Tie 112mm	Side Tie Over Armor 54mm	Side Tie Over Armor 76mm	Side Tie Over Armor 112mm
	AWAR-K023		AWDT-102A-76	AWDT-102A-112					AWST-125A-76	
			AWDT-125A-76	AWDT-125A-112					AWST-125A-76	
	AWAR-K031		AWDT-113A-76	AWDT-113A-112						
	AWAR-K040		AWDT-125A-76	AWDT-125A-112						
	AWAR-K050		AWDT-125A-76	AWDT-125A-112						
			AWDT-163A-76	AWDT-163A-112	AWST-090-54	AWST-090-76	AWST-090-112	AWST-163A-54	AWST-163A-76	AWST-163A-112
	AWAR-091							AWST-163A-54	AWST-163A-76	AWST-163A-112
	AWAR-K088-8	AARS-113	AWDT-210A-76	AWDT-210A-112				AWST-210A-54	AWST-210A-76	AWST-210A-112
	AWAR-K106									
			AWDT-255A-76					AWST-255A-54	AWST-255A-76	
			AWDT-290A-76						AWST-290A-76	AWST-290A-112

	GAR-043
	GAR-048
	GAR-055
	GAR-060
	GAR-083
	GAR-098
	GAR-100
	GAR-113
	CAR-038
	CAR-053
	CAR-060
	CAR-083
	CAR-088
	CAR-090
	CAR-100, CARS-100
	CAR-105
	CAR-118
	CAR-125
CDT-140-76	CAR-138
CDT-140-76	CAR-150
	CAR-175
	CAR-183
CDT-250-76	

Finding a PLP product part number

Please choose your conductor from the list in the far left column - which is partitioned into conductor types.

Next select your product type from the very top row.
Match up the conductor with the corresponding product to give the required PLP part number.

Please contact PLP if your required product is not listed or if a conductor size is not present.

Shaded conductor types as follows:

SC/AC SC/GZ HDC

Thimble Selection Chart

Copper Formed Grip

Part Number	Conductor Stranding	Closed Wire Rope Thimble	Open Wire Rope Thimble	Galvanised Clevis Thimble	Socket Thimble	Thimble Eye Nut	Cast Iron Sheave
							
CFG-030	**7/1.00**	THWC-10	THWC-10	CTH-070-MCI	STH-070-1	THEN-16	THGR-57
CFG-038	**7/1.25**	THWC-10	THWC-10	CTH-070-MCI	STH-070-1	THEN-16	THGR-57
CFG-043	**3/2.00 7/1.35**	THWC-10	THWC-10	CTH-070-MCI	STH-070-1	THEN-16	THGR-57
CFG-048	**7/1.63**	THWC-12	THWO-12	CTH-070-MCI	STH-070-1	THEN-16	THGR-57
CFG-053	**7/1.75 7/1.73**	THWC-12	THWO-12	CTH-070-MCI	STH-070-1	THEN-16	THGR-57
CFG-060	**7/2.00**	THWC-12	THWO-12	CTH-070-MCI	STH-070-1	THEN-16	THGR-57
CFG-075	**7/2.50**	THWC-12	THWO-12	CTH-070-MCI	STH-070-1	THEN-16	THGR-57
CFG-083	**7/2.75**	THWC-12	THWO-12	CTH-070-MCI	STH-070-1	THEN-20 / THEN-24	THGR-57
CFG-088	**19/1.75**	THWC-12	THWO-12	CTH-070-MCI	STH-070-1	THEN-20 / THEN-24	THGR-57
CFG-100-CL	**19/2.00 7/3.50 19/2.11**	THWC-16	THWO-16	CTH-070-MCI	STH-070-1	THEN-20 / THEN-24	THGR-75
CFG-113-CL	**7/3.75**	THWC-16	THWO-16	GCT-120-TC5F	STH-070-1		THGR-75
CFG-117	**19/2.33**	THWC-16	THWO-16	GCT-120-TC5F	STH-070-1		THGR-75
CFG-125	**19/2.56 37/1.75**	THWC-16	THWO-16	GCT-120-TC5F			THGR-75
CFG-138-CL	**19/2.75**	THWC-20	THWO-20	GCT-120-TC5F			THGR-75
CFG-150-CL	**19/3.00**	THWC-20	THWO-20	GCT-120-TC5F			THGR-75
CFG-166	**19/3.35 37/2.36**	THWC-20	THWO-20	GCT-120-TC5F			THGR-75
CFG-175-CL	**37/2.50**	THWC-22	THWO-22	GCT-120-TC5F			THGR-75
CFG-183-CL	**37/2.62**	THWC-22	THWO-22	GCT-120-TC5F			THGR-75
CFG-193-CL	**37/2.75**	THWC-22	THWO-22	GCT-120-TC5F			THGR-75
CFG-203-CL	**61/2.25**	THWC-22	THWO-22	GCT-120-TC5F			THGR-75
CFG-210-LT-CL	**37/3.00**	THWC-22	THWO-22	GCT-120-TC5F			THGR-75
CFG-235-CL	**61/2.64**	THWC-22	THWO-22	GCT-120-TC5F			THGR-75
CFG-260-LT-CL	**91/2.36 61/2.85**	THWC-22	THWO-22	GCT-120-TC5F			THGR-75

Thimble Selection Chart

Galvanised Steel Formed Grip

Part Number	Conductor Stranding	Closed Wire Rope Thimble	Open Wire Rope Thimble	Galvanised Clevis Thimble	Socket Thimble	Thimble Eye Nut	Cast Iron Sheave	Guy Strain Insulator
								
GFG-025-CL	**1/2.50**	THWC-10	THWO-10	CTH-070-MCI	STH-070-1	THEN-16	THGR-57	
GFG-031-CL	**1/3.15 1/3.25**	THWC-10	THWO-10	CTH-070-MCI	STH-070-1	THEN-16	THGR-57	
GFG-038-CL	**7/1.25**	THWC-10	THWO-10	CTH-070-MCI	STH-070-1	THEN-16	THGR-57	
GFG-043-CL	**3/2.00**	THWC-10	THWO-10	CTH-070-MCI	STH-070-1	THEN-16	THGR-57	
GFG-048-CL	**7/1.60**	THWC-10	THWO-10	CTH-070-MCI	STH-070-1	THEN-16	THGR-57	
GFG-055	**3/2.75**	THWC-12	THWO-12	CTH-070-MCI	STH-070-1	THEN-16	THGR-57	
GFG-060-CL	**7/2.00**	THWC-12	THWO-12	CTH-070-MCI	STH-070-1	THEN-16	THGR-57	
GFG-069-CL	**7/2.30**	THWC-12	THWO-12	CTH-070-MCI	STH-070-1	THEN-16	THGR-57	
GFG-075	**7/2.75**	THWC-12	THWO-12	CTH-070-MCI	STH-070-1	THEN-20 THEN-24	THGR-57	
GFG-083-CL	**7/2.75**	THWC-12	THWO-12	CTH-070-MCI	STH-070-1	THEN-20 THEN-24	THGR-57	I-GY2
GFG-090	**7/3.00**	THWC-16	THWO-16	GCT-120-TC5F	STH-070-1	THEN-20 THEN-24	THGR-75	I-GY2
GFG-100	**7/3.25 19/2.00**	THWC-16	THWO-16	GCT-120-TC5F	STH-070-1	THEN-20 THEN-24	THGR-75	I-GY2
GFG-113-CL	**7/3.75**	THWC-16	THWO-16	GCT-120-TC5F	STH-070-1	THEN-20 THEN-24	THGR-75	I-GY2
GFG-120	**7/4.00**	THWC-20	THWO-20	GCT-120-TC5F			THGR-75	I-GY3
GFG-138	**19/2.75**	THWC-20	THWO-22	GCT-120-TC5F			THGR-75	I-GY3
GFG-150	**19/3.00**	THWC-22	THWO-22	GCT-120-TC5F			THGR-75	I-GY3
GFG-163	**19/3.25**	THWC-22	THWO-22	GCT-120-TC5F			THGR-75	I-GY3
GFG-188	**19/3.75**	THWC-22	THWO-22				THGR-75	I-GY4

Thimble Selection Chart

Aluminium Formed Grip

Part Number	Conductor Stranding	Aluminium Clevis Thimble 	Aluminium Sheave 	Spool Insulator 
AFG-053	**7/1.75**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-059	**#4 AWG**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-063	**7/2.11**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-068	**7/2.25**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-075	**7/2.50**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-083	**7/2.75**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-090-CL	**7/3.00**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-102-CL	**7/3.40**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-105	**7/3.50**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-113-CL	**7/3.75**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-118-CL	**19/2.36**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-123	**7/4.22**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-135-CL	**7/4.50**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-143-CL	**7/4.75**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-163-CL	**19/3.25**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-169-CL	**19/3.38**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-175-CL	**37/2.50**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-188-CL	**19/3.75**	ACT-27-16	AS-54-17 / AS-54-22	SH.LV.2
AFG-210-CL	**37/3.00**	ACT-37-16		
AFG-232-CL	**19/4.65**	ACT-37-16		
AFG-240-LT-CL	**19/4.75 37/3.75**	ACT-37-16		

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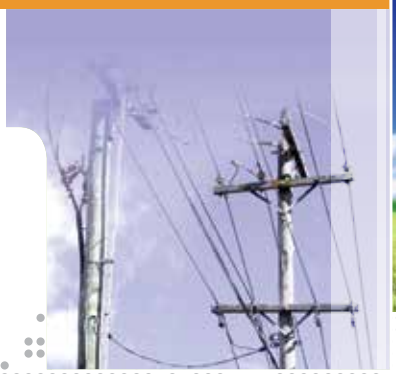
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distribution catalogue

TERMS & CONDITIONS OF SALE

1. APPLICATION

1.1. These Terms apply to all goods sold by the Company.

1.2. No amendment, alteration, waiver or cancellation of any of these Terms is binding on the Company unless confirmed by the Company in writing.

1.3. The Customer acknowledges that no employee or agent of the Company has any right to make any representation, warranty or promise in relation of the Goods or the sale of the Goods other than as contained in these Terms.

2. TERMS OF PAYMENT

2.1. Prices are subject to change on thirty (30) days notice.

2.2. Payments are to be made direct to the Company, strictly net, without any deduction or discount other than as stated in these Terms or in the relevant invoice or statement.

2.3. Payments are to be made within thirty (30) days of the date of the Company's statement or invoice, whichever is the earlier.

2.4. Interest is payable on all overdue accounts calculated on a daily basis at the rate of 2% per month as from the due date for payment until payment is received by the Company.

2.5. The Company will charge a handling fee of $100 or such other greater amount for orders of an invoice value under $1,000 or such higher amount as the Company determines.

3. PROPERTY IN GOODS

Legal and beneficial ownership of Goods supplied by the Company will not pass to the Customer until such time as the Goods so supplied have been paid in full in cash or cleared funds.

4. RE-SALE OF GOODS

4.1. If the Customer is a re-seller then, subject to sub-clause 4.2.4, the Customer has the right to sell the Goods in its own name at full market value and in the ordinary course of business.

4.2. Until the amount payable to the Company in respect of the Goods has been paid in full in cash or cleared fund:

4.2.1. the Customer will hold the Goods only as bailee for the Company;

4.2.2. the Goods must be stored in such manner that they are readily distinguishable from other goods owned by the Customer or other persons and so as to clearly show that they are the property of the Company;

4.2.3. the Customer must indemnify the Company from and against any Claim incurred or suffered by the Company arising out of the possession, use or disposal of the Goods by the Customer or repossession or attempted repossession of them by the Company; and

4.2.4. any sale of the Goods under clause 4.1 will only be effected by the Customer as trustee for the Company and the proceeds of such sale and the rights of the Company's Customer against its customer arising from such sale will be held on trust for the Company. The said proceeds must be held in a separate account or otherwise clearly identified in the books and records of the Customer.

4.3. The Customer must ensure that the Goods are stored in accordance with any reasonable direction or instructions from the Company and, without the prior written consent of the Company, must not treat, alter, or incorporate the Goods into or with another product of the Company or any third party, or otherwise vary the Goods as supplied by the Company.

4.4. If the Customer resells any Goods then, unless the Goods are clearly identifiable by serial numbers or other distinguishing marks, the Customer is deemed to have disposed of the Goods in the chronological order of supply by the Company to the Customer (oldest to most recent).

4.5. On the resale of the Goods by the Customer, the Customer must ensure that any contract between the Customer and its customer limits or excludes any liability of the Company to such customer on no less favourable terms than the Company's liability to the Customer under clause 19 or on more limiting terms.

4.6. Despite clause 4.5, the Customer must indemnify the Company from and against any Claim incurred or suffered by the Company arising out of the resale of the Goods by the Customer.

5. INCORPORATION OF GOODS

5.1. If the Customer uses the Goods in some manufacturing or construction process of its own or on behalf of some third party and receives monies from time to time in respect of such use then the Customer must hold a portion of such monies received, calculated in accordance with clause 5.2, in trust for the Company.

5.2. The portion referred to in clause 5.1 will be so much of the monies received as equals the amount owing by the Customer to the Company at the time of the receipt of such monies by the Customer.

5.3. Money received by the Customer excludes any debts due to other parties by the customer but not yet paid by the Customer.

5.4. In the circumstances outlined in clause 5.1, the Customer must not assign or deal with its debts in any way prior to payment of the moneys receivable by the Customer in respect of the Goods as their use as described in clause 5.1 prior to their payment to the Company.

6. INSTALLATION OF GOODS

6.1. All Goods must be handled, mounted and installed:

6.1.1. by an appropriately licensed technician/tradesman; and

6.1.2. in accordance with:

6.1.2.1. the manufacturer's directions, if any;

6.1.2.2. the relevant Application Procedure found at http://www.phttp://www.preformed.com/index.php?option=com_phocadownload&view=category&id=29&Itemid=194reformed.com/index.php?option=com_phocadownload&view=category&id=29&Itemid=194;

and/or

6.1.2.3. the applicable industry standard,

as the case may be.

6.2. If any Goods are not handled, mounted or installed in accordance with clause 6.1 then, subject to any statutory provision or other general law obligation to the contrary, the Company will not be liable for any defect or fault in the Goods or for any loss or damage to the Customer caused by the Goods.

7. DEFAULT

If:

7.1. the Goods are not paid for in accordance with these Terms or any other written agreement between the Company and the Customer;

7.2. the Company receives notice of, or reasonably believes that a third party may attempt to levy execution against or attach the Goods; or

7.3. any other event occurs which in the Company's opinion is likely to adversely affect the Customer's ability to pay for the Goods (including but not limited to the appointment of Insolvency Representative to the Customer's undertaking),

then the Company may at any time thereafter, without notice to the Customer and without prejudice to any other rights which it may have against the Customer, terminate any Contract relating to the Goods and the bailment referred to in clause 4.2.1.

8. RIGHT TO ENTER PREMISES

In any of the circumstances referred to in clause 7, the Customer:

8.1. authorises the Company by itself, its agents or representatives at all reasonable times, without notice, to enter onto (with force if reasonably necessary) and at all necessary time(s), to remain in and on any premises where the Goods are located in order to collect the Goods, without being guilty of any manner of trespass; and

8.2. assigns to the Company all the Customer's rights to enter onto and remain in and on such premises until all the Goods have been collected.

9. ADMINISTRATION & RECEIVERSHIP

In any of the circumstances referred to in clause 7.3:

9.1. neither the Customer nor its Insolvency Representative or any other person acting for the Customer and/or its creditors is entitled to sell, charge, remove, dispose of, use or otherwise deal with the Goods in any way inconsistent with the Company's ownership of the Goods, without the Company's prior written approval;

9.2. the Customer, its Insolvency Representative and every other person acting for or on behalf of the Customer and/or its creditors is obliged to re-deliver the Goods to the Company immediately or immediately on his appointment, as the case may be, at its or his expense; and

9.3. if the Goods are returned to or collected by the Company, the Company will within twenty-eight (28) days, account to the Customer or its Insolvency Representative for all monies received for the Goods from the Customer less the Company's reasonable administration charges, expenses incurred and loss of profits involved.

10. CUSTOMER AS TRUSTEE

If the Customer carries on business as trustee of a trust then the Customer warrants that:

10.1. the Customer enters into a Contract or Contracts to purchase the Goods as trustee of a trust;

10.2. the Customer has all requisite powers to enter into a Contract under these Terms;

10.3. the beneficiary of the trust approves the purchase of the Goods on the terms of the Contract; and

10.4. the assets of the trust are available to the Company in satisfaction of any debt incurred by the Customer for the purchase of the Goods.

11. GOODS AND SERVICES TAX

11.1. GST is not included in the quoted price.

11.2. If GST is imposed on the Company in respect of the Goods then the Customer must pay the amount of such GST to the Company in addition to the quoted price.

11.3. The Company must give the Customer written notice of the amount of any GST payable under this clause and provide a tax invoice showing the amount of GST payable.

12. CUSTOMS DUTIES, TARIFFS AND LEVIES

All applicable customs duties, tariffs and levies are payable by the Customer unless the order, order confirmation, invoice or other writing indicates otherwise.

13. DELIVERY

13.1. Availability dates are estimates only, but the Company will use its best endeavours to maintain these estimates.

13.2. If the place of delivery to or collection of the Goods by the Customer is within Australia then the Company will, at the Customer's request, arrange for the delivery of the Goods at the Company's expense.

14. DELIVERY BY INSTALMENTS

14.1. The Company reserves the right to deliver the Goods in whole or by instalments as well as to deliver prior to the date for delivery and in any such event the Customer must not refuse to take delivery of the Goods.

14.2. Where the Goods are delivered by instalments, each instalment is sold under a separate Contract.

14.3. Any failure on the part of the Company to deliver instalments within any specified time does not entitle the Customer to repudiate the Contract with regard to the balance of the Goods remaining undelivered.

15. RISK

15.1. The Goods are entirely at the risk of the Customer from the moment the Goods leave the Company's premises or physical custody.

15.2. The Customer must at its own expense, maintain the Goods and insure them for the benefit of the Company for their full replacement value against theft, destructions, fire, water and other risks, as from the moment of delivery to or collection by the Customer until property of and title to the Goods have passed to the Customer.

15.3. The Customer must take all reasonable measures to ensure that the Company's title to the Goods is in no way prejudiced. If any of the Goods are lost, destroyed or damaged, any insurance proceeds relating to the Goods in respect of such event that are received by the Customer are held on trust for the Company and must be paid to the Company immediately on receipt but only up to the amount that the Customer owes the Company in respect of those Goods.

16. INSPECTION

Unless the Customer has inspected the Goods and given written notice to the Company within seven (7) days after collection or delivery that the Goods do not comply with the relevant specifications or descriptions, the Goods are deemed to have been accepted in good order and condition.

17. RETURN OF GOODS

17.1. No returns will be accepted unless the Company has previously agreed in writing. If the Company agrees to the return of Goods, they must be unsoiled, undamaged and in a resaleable condition (or Customer pays for all costs of replacement or repair) and delivered at the Customer's expense to the Company's premises unless otherwise agreed by the Company in writing.

17.2. Goods imported especially for the Customer or non-standard equipment made to special order cannot under any circumstances be returned and/or credited.

18. CANCELLATION OF ORDER

No order may be cancelled, modified or deferred without the prior written consent of the Company (which is at the Company's sole discretion) and if consent is given, then such consent will, at the Company's election, be subject to the Company being reimbursed all losses, including loss of profits, and paid a cancellation and restocking fee (being not less than 10% of the invoice value of the Goods).

19. COMPANY'S LIABILITY LIMITED

19.1. The Customer acknowledges and agrees that:

19.1.1. the Customer has determined that the Goods are fit for the purpose for which the Customer requires them;

19.1.2. the Customer has the right to inspect the Goods in accordance with clause 19 to satisfy itself that the Goods are fit for purpose and/or are of merchantable and acceptable quality;

19.1.3. the Customer has not relied on the Company's skill and judgment in selecting the Goods; and

19.1.4. the Company is not responsible if the Goods do not comply with any applicable safety standard(s) or similar regulation(s), and that the Company is not liable for any Claim resulting from such non-compliance.

19.2. The Company is not subject to, and the Customer releases the Company from any liability (including but not limited to Consequential Loss or Damage, removal costs or re-installation costs or liability for loss of use or profit) arising from any delay in delivery or defect or fault in the Goods or any negligence by the Company in relation to the Goods (including but not limited to their manufacture), to the full extent permitted by law.

19.3. If, despite clause 19.2, the statutory provisions under the *Competition and Consumer Act 2010* (Cth), the *Sale of Goods Act 1923* (NSW) or any other act or the general law impose on the Company a liability for a defect or fault in the Goods then, to the extent to which the Company is entitled to do so, the Company's liability under the statutory provisions is limited, at the Company's option, to:

19.3.1. replacement or repair of the Goods;

19.3.2. supply of equivalent Goods; or

19.3.3. payment of the cost of replacing or repairing the Goods or of acquiring equivalent Goods,

and in any case:

19.3.4. the Company will not be liable for any Consequential Loss or Damage or any other loss or damage; and

19.3.5. the Company's total liability to the Customer is limited to the invoice value of the Goods.

20. WARRANTIES AND WARRANTY CLAIMS

20.1. The Company warrants that the Goods are free of substantive defects.

20.2. The Company also warrants to the Customer that the Goods will be supplied in an undamaged condition.

20.3. Except for any guarantees imposed by the *Competition and Consumer Act 2010* (Cth) and the warranties stated in clauses 20.1 and 20.2, the provision of any other act or law implying terms, conditions, guarantees and/or warranties which might otherwise apply to or arise out of the Contract are hereby expressly negatived and excluded to the full extent permitted by law.

20.4. On discovery of any defect in the Goods, the Customer must notify the Company in writing of such defect.

20.5. All warranty claims must be received by the Company within thirty (30) days of the day of delivery. This warranty extends only to the Customer and to no other person.

20.6. The Customer's failure to provide written notice to the Company within the required time of any alleged breach of the above warranty will release and discharge the Company from any obligation or liability for that breach of warranty.

20.7. The Customer must not carry out any remedial work to allegedly defective Goods without first obtaining the written consent of the Company to do so

otherwise all of the Company's warranties will be voided to the full extent permitted by law.

20.8. The warranties stated in clauses 20.1 and 20.2 do not apply in circumstances where the Customer treats, alters, incorporates the Goods into or with another product of the Company or any third party, or otherwise varies the Goods as supplied by the Company.

21. CATALOGUES

Particulars in leaflets, catalogues, drawings, brochures and other printed material are illustrations only, form no part of the Contract between the Company and the Customer, and are not binding on the Company.

22. CUSTOMER'S PROPERTY

22.1. All Customer's property in or under the Company's custody or control will be entirely at the Customer's risk in regard to loss or damage from any cause whatsoever.

22.2. The Company will have a first and paramount lien upon all Customer's property (including but not limited to dies provided by or manufactured for the Customer) which is in the Company's possession or control until all accounts due to the Company by the Customer are paid in full.

22.3. The Company may sell any of the Customer's property on which the Company has a lien if:

22.3.1. a sum in respect of which the lien exists is presently payable:

22.3.2. the Company has, not less than fourteen (14) days before the date of the sale, given the Customer a written notice setting out, and demanding payment of such part of the sum in respect of which the lien exists as is presently payable; and

the Customer has failed to pay the sum referred to in the notice.

22.4. The proceeds of the sale will be applied by the Company:

22.4.1. firstly to cover the costs of the sale;

22.4.2. secondly in payment of such part of the sum in respect of which the lien exists as is presently payable; and

22.4.3. by way of accounting to the Customer.

23. TOOLING

23.1. If the Company agrees to supply Tooling to the Customer then the Tooling remains the property of the Company and despite the fact that the Customer may have borne or contributed to the cost of the development and manufacture of the Tooling.

23.2. The Company reserves the right to recall the Tooling from the Customer at any time.

24. PERSONAL PROPERTY SECURITY

24.1. The Customer acknowledges that if the Company has a security interest in:

24.1.1. the Goods;

24.1.2. the proceeds of the Goods;

24.1.3. the Customer's property referred to in clause 22.1; and/or

24.1.4. the Tooling,

for the purposes of the PPSA then the Company may register its security interest in the Goods, proceeds, Customer's property and/or Tooling, as the case may be, on the PPSR.

24.2. The Customer undertakes, at its own expense, to promptly do anything (such as supplying information) which the Company requests and reasonably requires the Customer to do for the purposes of ensuring that the security interest is enforceable, perfected or otherwise effective.

24.3. The Customer acknowledges that if the Company has a security interest in the Goods, proceeds, Customer's property and/or Tooling, as the case may be, then the Company may register its security interest on the PPSR and the Customer, in accordance with section 157(3)(b) of the PPSA, waives the right to receive notification of the registration.

25. COPYRIGHT

25.1. The Customer warrants that:

25.1.1. the drawing of any extruded shape submitted by the Customer; and

25.1.2. any Tooling made in accordance with such drawing; and

25.1.3. any article of extruded design made from such Tooling,

does not infringe the rights of any third party (whether copyright, registered design pattern, trademark, confidential information or otherwise) or breach any applicable law.

25.2. In the event of any Claim or order for costs (including legal expenses on a solicitor and client basis) referable to the rights and/or laws referred to in clause 25.1 being made or brought against the Company, the Customer must fully indemnify the Company and keep the Company indemnified from and against same.

26. SAMPLES

Any sample inspected by the Customer is solely for the Customer's convenience and does not constitute a sale by sample. All samples remain the property of the Company.

27. SPECIFICATIONS

27.1. Unless otherwise agreed in writing, the Goods are supplied subject to any specification as to weight, quantity, size, dimensions, finishes, chemical composition and physical properties as may be published generally by the Company or as may be set out in any specification issued by the Company in relation to the Goods or, if no such specification has been published or set out, subject to such specification as is normally regarded as being commercially acceptable.

27.2. Where any specification for the Goods are to be supplied by the Customer, they must be supplied in a reasonable time to enable the Company to complete delivery by the date for delivery.

28. CONTRACT

28.1. The terms of the Contract between the parties are wholly contained in these Terms and any other writing signed by both parties.

28.2. The Contract under these Terms is deemed to have been made at the Company's place of business in Sydney, New South Wales and any cause of action is deemed to have arisen there.

28.3. The Contract is governed by the law of New South Wales.

28.4. The Customer irrevocably and unconditionally submits to the non-exclusive jurisdiction of the courts of New South Wales and any courts which have jurisdiction to hear appeals from those courts about any proceedings in connection with these Terms and waives any right to object to proceedings being brought in those courts for any reason.

28.5. The provisions of the United Nations Convention on Contracts for the International Sale of Goods adopted at Vienna, Austria on 10 April 1980 does not apply to any Goods supplied by the Company to the Customer.

29. FORCE MAJEURE

The Company will not be liable for any breach of contract due to any matter or thing beyond the Company's control (including but not limited to transport stoppages,

transport breakdown, fire, flood, earthquake, acts of God, strikes, lock-outs, work stoppages, wars, riots or civil commotion, intervention of public authority, explosion or accident).

30. DISPUTE RESOLUTION

30.1. The Company and/or the Customer must not commence any court proceedings in respect of a dispute arising out of these Terms unless it has complied with this clause 30.

30.2. Should at any time a party assert that a dispute exists between the parties arising out of or in connection with these Terms, then that party must submit a written notice ("**Notice of Dispute**") to the other party specifying:

30.2.1. the nature of the dispute that has arisen;

30.2.2. the major issues for determination; and

30.2.3. the relief or outcome being sought.

30.3. Within seven (7) days from receipt of the Notice of Dispute, the other party must provide a written response ("**Notice of Response**") stating its position in relation to the dispute, including:

30.3.1. any additional issues that should be referred for determination; and

30.3.2. any comment on the relief or outcome referred to in the Notice of Dispute.

30.4. During the fourteen (14) day period after the Notice of Response is issued, the parties must take reasonable steps to seek to resolve the dispute.

30.5. If the dispute is not resolved within the period referred to in clause 30.4 then the parties must, within an additional fourteen (14) days agree to refer the dispute to a single expert for determination.

30.6. If the parties are unable to agree on a expert within the time stipulated in clause 30.5, then either party may refer the dispute to an expert as nominated by Unisearch Expert Opinion Services, for determination.

30.7. The determination of the expert:

30.7.1. must be in writing, accompanied by reasons; and

30.7.2. will be final and binding on the parties as to any findings of fact relating to any matter arising from these Terms.

30.8. The parties are to bear their own costs of the dispute and the costs of the expert are to be borne by the party found to be at fault by the expert and, in the event that no such finding is made, the costs are to be borne by the parties equally.

31. WAIVER OF BREACH

No failure by the Company to insist on strict performances of any of these Terms is a waiver of any right or remedy which the Company may have, and is not a waiver of any subsequent breach or default by the Customer.

32. NO ASSIGNMENT

Neither the Contract nor any rights arising under the Contract may be assigned by the Customer without the prior written consent of the Company which is at the Company's absolute discretion.

33. SEVERABILITY

If any provision contained in these Terms is held by a court to be unlawful, invalid or unenforceable, the validity and enforceability of the remaining provisions are not affected.

34. INTERPRETATION

In these Terms:

34.1. "**Claim**" means a claim, action, suit, demand, proceeding, damage, loss, cost, expense or liability incurred or suffered by the Company.

34.2. "**Company**" means Preformed Line Products (Australia) Pty Limited ABN 27 004 533 877 and its successors and assigns.

34.3. "**Consequential Loss or Damages**" means all or any of the following:

34.3.1. loss of profit;
34.3.2. loss or denial of opportunity;
34.3.3. loss of use;
34.3.4. loss of revenue;
34.3.5. loss of production;
34.3.6. loss of labour;
34.3.7. loss of access to markets;
34.3.8. loss of goodwill;
34.3.9. loss of anticipated savings;
34.3.10. loss of business reputation including future reputation;
34.3.11. loss arising from adverse publicity;
34.3.12. damage to credit rating;
34.3.13. removal costs;
34.3.14. re-installation costs;
34.3.15. commissioning costs;
34.3.16. increase in operating costs;
34.3.17. increase in maintenance costs;
34.3.18. financial costs;
34.3.19. any indirect, remote, abnormal or unforeseeable loss;
34.3.20. any consequential loss or damage not included in the above; and
34.3.21. any similar loss whether or not in the reasonable contemplation of the parties at the time entry into the Contract,

and in any case whether arising out of contract or tort (including negligence) or by statute or otherwise, at law or in equity.

34.4. "**Contract**" means the contract for the sale of the Goods by the Company to the Customer.

34.5. "**Customer**" means the party to whom the Company has agreed to sell the Goods.

34.6. "**Goods**" means the goods agreed to be sold by the Company to the Customer.

34.7. "**GST**" means the Goods and Services Tax imposed by a *New Tax System (Goods and Services Tax) Act 1999* (Cth) and any related act and/or regulations.

34.8. "**Insolvency Representative**" includes but is not limited to a receiver, receiver and manager, administrator, controller, liquidator, provisional liquidator, trustee or similar person.

34.9. "**PPSA**" means the *Personal Property Securities Act 2009* (Cth).

34.10. "**PPSR**" means the personal property security register created under the PPSA.

34.11. "**Terms**" means these terms and conditions of sale as amended from time to time.

34.12. "**Tooling**" means any tooling supplied by the Company to the Customer from time to time.

DISTRIBUTION CATALOGUE







PREFORMED LINE PRODUCTS

190 Power St. Glendenning, NSW 2761 Australia
PO Box. 626 St. Marys, NSW 1790 Australia

Phone: +612.8805.0000
Fax: +612.8805.0090
www.preformed.com.au
plp-salessupport@preformed.com.au

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A.B.N. 27 004 533 877