PREFORMED™ Deadend Grip

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

Part Number	Conductor Stranding	Conductor Diameter (mm)		Colour Code
AFG-053	7/1.75	5.25		Purple
AFG-063	7/2.11	6.33		Yellow
AFG-068	7/2.25	6.75		Brown
AFG-075	7/2.50	7.50		Blue
AFG-083	7/2.75	8.30		White
AFG-090-CL	7/3.00	9.00		Red
AFG-102-CL	7/3.40	10.20		Purple
AFG-105	7/3.50	10.50		Blue
AFG-113-CL	7/3.75	11.25		Black
AFG-118-CL	19/2.36	11.80		Brown
AFG-135-CL	7/4.50	13.50		Green
AFG-143-CL	7/4.75	14.30		Blue
AFG-163-CL	19/3.25	16.30		Orange
AFG-169-CL	19/3.38	16.90		Orange
AFG-175-CL	37/2.50	17.50		Blue
AFG-188-CL	19/3.75	18.80		Black
AFG-210-CL	37/3.00	21.00		Red
AFG-232-CL	19/4.65	23.25		Green
AFG-240-LT-CL	19/4.75	23.80		Blue
AFG-263-LT-CL	37/3.75	26.30		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)		Colour Code
AWFG-K023	3/2.75	5.91		White
AWFG-K032	3/3.25	6.98		Orange
AWFG-K040	3/3.75	8.06		Black
AWFG-K050	7/2.75	8.25		White
AWFG-K060-8	7/3.05	9.15		Red
AWFG-K070	7/3.25	9.75		Orange
AWFG-K088	7/3.75	11.25		Black
AWFG-K106	7/4.25	12.75		Brown
AWFG-K136	19/2.75	13.75		White

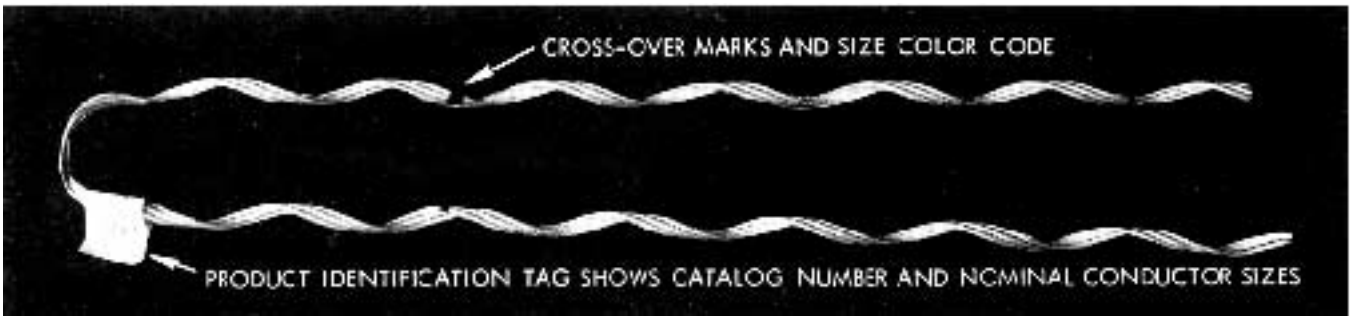
Note: Contact PLP for deadends to suit right hand lay conductors.

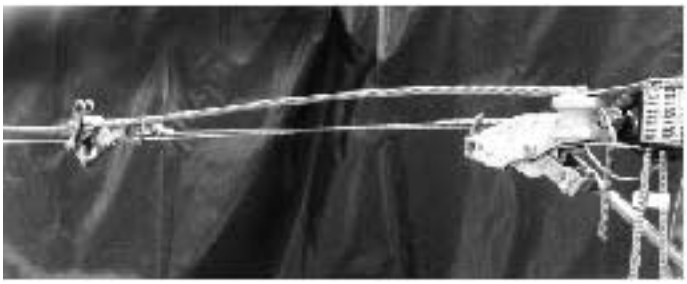
Application Procedure & Safety Considerations

PREFORMED LINE PRODUCTS

Single-Piece Grips for AAC, AAAC, ACSR, SC/AC, SC/GZ and Copper Conductors

Completely read and understand this procedure before applying products. Special attension should be given to the Safety Considerations located on the last page. We advice the reader to review those considerations now, and then again during the general review of this procedure





1) Select the correct grip for your application. Tension the conductor and fit the required insulator and thimble.

2) Place the grip through the thimble or around the insulator and while applying a light tension and holding the fitting legs together, lay it against the conductor.

3) Grasp both fitting legs evenly and apply onto the conductor at the crossover mark, making sure the gap between them is approximately the same.

NOTE: Grips are made the same lay as the conductor, therefore application rotation will be right hand for right hand conductors and vice versa for left.

4) Working both legs together and pulling away from the conductor, fully wrap on the fitting and snap in the ends.

4a) On large fittings it may be necessary to pull away from the conductor at a larger angle when applying the grip. In these cases care must be taken not to distort the fitting.

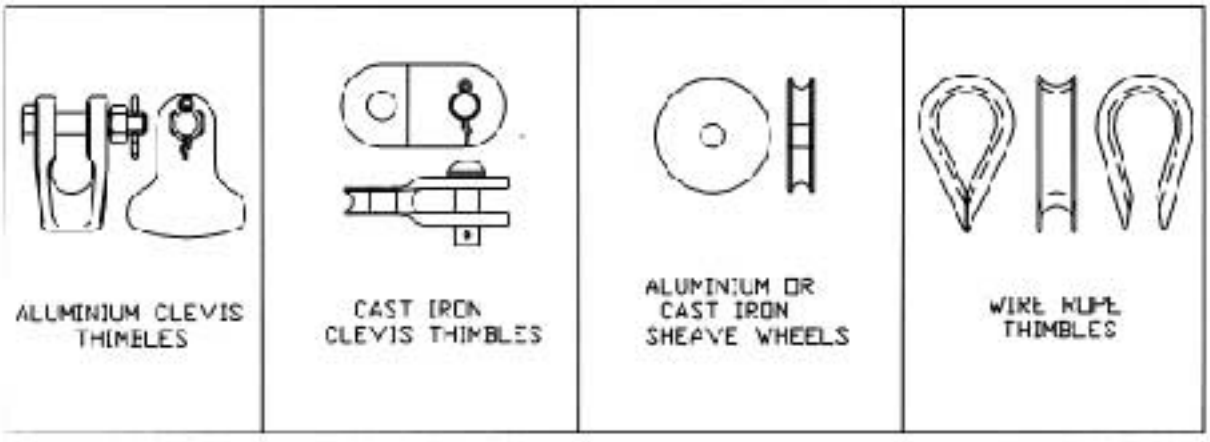
Completed Application

6) If difficulty is experienced applying the last couple of pitches, the legs may be further split to allow easier snapping onto the conductor. Do not use pliers or screw-drivers as this may damage the conductor strands.

THIMBLE FOR GRIPS

1) Loops of the Single Piece Grip are designed for use with spool insulators, clevis thimbles and other smoothly contoured fittings.

2) The following styles are considered as suitable.



3) Avoid dissimilar metals that could promote galvanic corrosion (eg. copper and aluminium).

4) PREFORMED Grips may be applied three times on new installations, if sag adjustments are necessary.

5) PREFORMED Grips are not to be reused after the final application.

SAFETY CONSIDERATIONS

1) For proper performance and personal safety be sure to select the proper size Single-Piece Grips before application.

2) Single-Piece Grips are precision devices. To ensure tight assembly, they should be stored in cartons under cover and handled carefully.

3) This application procedure is not intended to supersede any company construction or safety standards. This procedure is offered only to illustrate safe application for the individual. Failure to follow these procedures and restrictions may result in personal injury.

4) When working in the area of energized lines, extra care should be taken to prevent accidental electrical contact.

5) This product is intended for use by trained linesmen only. This product should not be used by any one who is not familiar with and trained in the use of it.

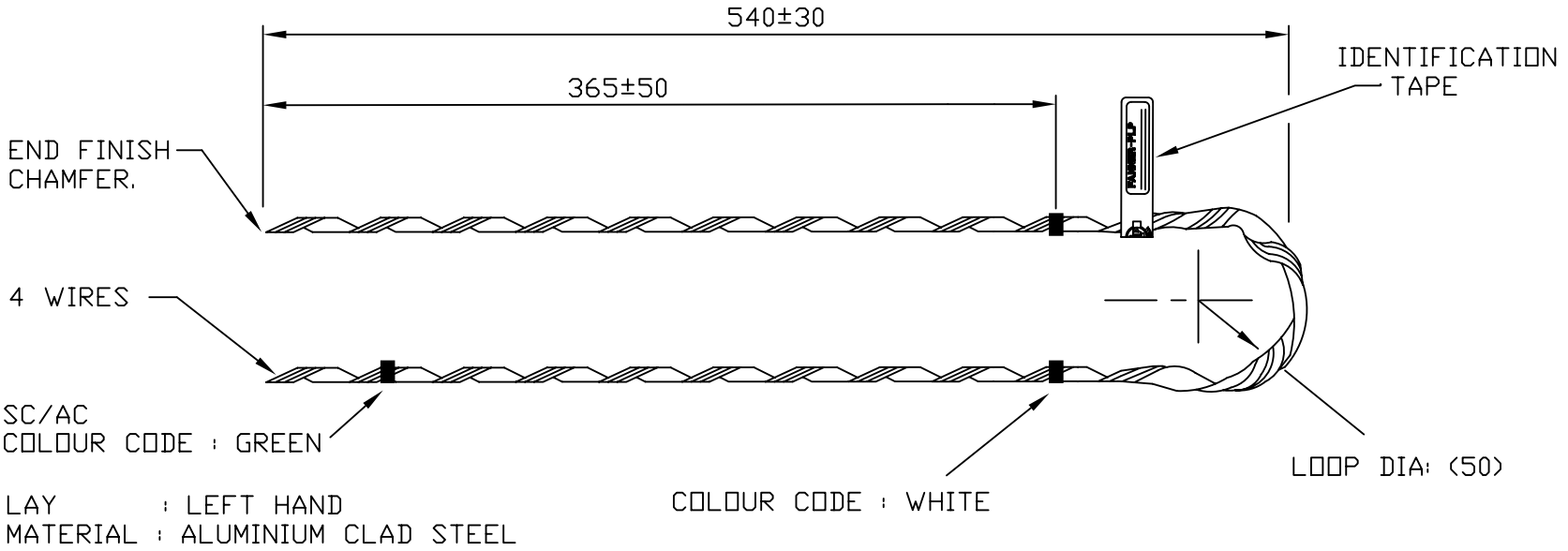
PREFORMED LINE PRODUCTS (AUSTRALIA) PTY LTD
A.B.N. 27 004 533 877

190 Power st. Glendenning, NSW Australia 2761
PO Box 106, Glendenning Business Centre,NSW Australia 2761
Phone: (02) 8805 0000 intl 61 2 8805 0000 Fax: (02) 8805 0090 intl 61 2 8805 0090
Email: plpaus@preformed.com.au
Web: www.preformed.com.au

AUTHORIZED MANUAL CHANGES:-	
rev. B -	rev. E -
rev. C - MANUAL CHANGES UPDATED ONLY	rev. F -
rev. D -	rev. G -

NOTES

1. ALL DIMENSIONS IN MILLIMETRES.
2. TOLERANCES UNLESS OTHERWISE STATED:-
   a. HOLE DIAMETRE ±0.5mm
   b. LINEAR DIMS. UP TO 30mm ±1.5mm
   c. LINEAR DIMS. OVER 30mm ±5% UP TO A MAX. OF 5mm.
3. BRACKETED DIMENSIONS DO NOT AFFECT INTERCHANGEABILITY OR COUPLING AND ARE FOR GUIDANCE ONLY.
4. MATERIAL TO AS1154



LAY : LEFT HAND
MATERIAL : ALUMINIUM CLAD STEEL

PRODUCT TAPE COLOUR : WHITE

TAPE REQUIRED.

A	MH	5/2/91	B	DG	29/8/05	THIS DRAWING IS THE EXCLUSIVE PROPERTY OF PREFORMED LINE PRODUCTS (AUSTRALIA). REPRODUCTION THEREOF IS PROHIBITED AND IS TO BE USED ONLY WITH THE EXPRESSED PERMISSION OF THE COMPANY	PART No: AWFG-K023 AL. CLAD STEEL GRIP	PREFORMED LINE PRODUCTS (AUSTRALIA) PTY. LTD.	
CHK	MP	21/2/91	CHK					
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						SCALE N.T.S.		

PLP (AUSTRALIA) PTY LTD

ENGINEERING DEPARTMENT

DATE – 20TH March 2015

TYPE TEST REPORT NO: T9533
TEST REFERENCE NO: F15/18

MECHANICAL STRENGTH TYPE TEST

ON:

ALUMINIUM CLAD GRIP & ALUMINIUM CLAD STEEL SPLICE FOR 3/2.75mm SC/AC CONDUCTOR

(PLP Aust. Part Nos. – AWFG-K023 & AWFS-K023)

Testing Officer: _____ (Jose-elmer Simeon)

Approved by: _____ (Florian de Celis, Compliance Manager)

Date Approved: 24/03/2015

190 Power Street Glendenning NSW 2761 AUSTRALIA
Phone: 8805 0000, INTL (612) 88050000
Fax: 8805 0090, INTL (612) 88050090