



**NOTES :**

- CONDUCTORS TERMINATED WITH PREFORMED DEADENDS ARE TO USE A CLEVIS THIMBLE ARRANGEMENT TO ATTACH TO THE LONGROD INSULATOR. CONDUCTORS TERMINATED WITH COMPRESSION DEADENDS ARE TO USE A SHACKLE TO ATTACH TO THE LONGROD INSULATOR.
- AN ARMOR-GRIP SUSPENSION CLAMP SUPPLIED WITH A 16mm BOLT IS TO BE USED WITH A.A.C., A.A.A.C. OR A.C.S.R. CONDUCTOR. AN OFFSET SUSPENSION CLAMP IS TO BE USED WITH COPPER CONDUCTOR.
- THE ULTIMATE STRENGTH OF THE COMPONENTS IN THESE TERMINATION ARRANGEMENTS ARE :
  - SYNTHETIC COMPOSITE INSULATOR - 120kN
  - EYE/TONGUE - 160kN
  - REMAINING OVERHEAD LINE FITTINGS - 70kN
- HARDWARE SUPPLIED WITH STAINLESS STEEL SPLIT PINS WILL HAVE THEM INSTALLED IN ACCORDANCE WITH THE DETAIL SHOWN.
- THE STANDARD LONGROD INSULATOR IS TO BE USED UNDER NORMAL OPERATING CONDITIONS. THE EXTREME POLLUTION INSULATOR IS TO BE USED IN HIGH POLLUTION & SALT LADEN ENVIRONMENTS.
- THE NUMBER OF INSULATOR SHEDS SHOWN IS NOMINAL. THIS MAY VARY DEPENDING ON SUPPLIER.

ITEM	DESCRIPTION	DRG. No	STOCK CODE	AR-1	AR-2A	AR-2B	AR-3A	AR-3B	AR-4	AR-5A	AR-5B	AR-6
10	PLATE - YOKE, 70kN, 250mm		185212	1	1	1	1	1	1	1	1	1
9	SOCKET - CLEVIS, 70kN, REF.70/SC, A.S.1154.2 (PLP PART No.: SC-070-1)			1	1	1	1	1	1	1	1	1
8	BALL - 'Y' CLEVIS, 70kN, REF.70/BYC, A.S.1154.2		181807	1	1	1	1	1	1	1	1	1
7	EYE - TONGUE, 160kN, A.S.1154.2		183889				1	1	1			
6	SHACKLE - BOW, 70kN, REF.70/S, A.S.1154.2		30890			2		2		1	3	
5	DEADEND - PREFORMED (TO SUIT CONDUCTOR) (SEE NOTE 1)	514098			2		2			2		
	DEADEND - COMPRESSION (TO SUIT CONDUCTOR) (SEE NOTE 1)	514053				2		2			2	
4	CLAMP - SUSPENSION, OFFSET (TO SUIT COPPER CONDUCTOR) (SEE NOTE 2)	514132		2					2			2
	CLAMP - SUSPENSION, ARMOR-GRIP (TO SUIT CONDUCTOR) (SEE NOTE 2)	514132										
3	CLEVIS - THIMBLE, 70kN, A.S.1154.2 (TO SUIT CONDUCTOR) (SEE NOTE 1)	514132			2		2			2		
2	CLEVIS - TONGUE, TWISTED, 70kN, REF.70/TCT, A.S.1154.2		185213	2					2			2
1	INSULATOR - LONGROD, 66kV, POLYMERIC, 120kN (EYE/Y-CLEVIS) (SEE NOTE 6)		178292									
	INSULATOR - LONGROD, 132kV, POLYMERIC, 120kN (EYE/Y-CLEVIS) (EXTREME POLLUTION) (SEE NOTES 5 & 6)		178275	1	1	1	1	1	1	1	1	1
	INSULATOR - LONGROD, 132kV, POLYMERIC, 120kN (EYE/Y-CLEVIS) (SEE NOTES 5 & 6)		H117721									

CAD DRAWING  
DO NOT MANUALLY AMEND  
A M E N D M E N T S  
DWN: P.R.  
CHKD: P.J.  
APPD: G.F.  
DATE: 13/09/2024  
STOCK CODE ADDED TO  
ITEM 10  
4

ASSOCIATED DRAWINGS	
TENSION INSULATOR STRING ARRANGEMENT	513946
SUSPENSION INSULATOR STRING ARRANGEMENT	514043

NETWORK STANDARD

145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	1:7.5
DESIGNED	PHILLIP JONES
DRAWN	PATRICIA RIOS
CHECKED	PHILLIP JONES
APPROVED	GLENN FORD
DATE	20/02/18
PROJECT NUMBER	STD
PROJTRAK NUMBER	-

STANDARD CONSTRUCTION  
66kV & 132kV LONGROD INSULATOR  
DUAL PHASE CONDUCTOR  
STRING ARRANGEMENT

SIZE: A2 DRAWING No: 244700 SHEET: 1 AMD: 4