


NOTE :


1. SKETCH NOT FOR MANUFACTURING PURPOSE.
2. FRICTION WELDED COAT WITH AN APPROVED EPOXY COATING, SEALING THE MATERIAL INTERFACE.
3. CRIMPING BETWEEN MARKS FOR 4 POINT INDENTS CRIMP AS PER MANUFACTURES DESIGN AND TYPE TEST.

SAP MATERIAL No.:		0180018							
SHORT DESCRIPTION:		LUG,BI-MET 6.3-9.0D M12 0 DEG I/C D3166							
TECH. DESCRIPTION:									
TERMINAL LUG * COMPRESSION INDENT CRIMP * BI-METAL, ALUMINIUM TO COPPER * LUG 0 DEGREES * PALM FRICTION WELDED * HOLE M12 BOLT CLEARANCE * CONDUCTOR : MAGPIE 6.35mm DIA., SQUIRREL 6.33mm DIA. OR ACACIA 6.24mm DIA. AND FOX 8.37mm DIA. OR 35 8.31mm DIA. * CONDUCTOR COLOUR CODE ORANGE, GREEN AND BLUE * MAXIMUM TUBE INSIDE DIAMETER 9.0mm * FILLED WITH JOINTING COMPOUND AND CAPPED* WELDED INTERFACE TO BE SEALED WITH A UV STABLE SEALANT OR EPOXY * INDIVIDUALLY PACKED IN SEALED PLASTIC BAG * FOR USE WITH HYDRAULIC 4-POINT SHALLOW INDENTATION CRIMPING TOOL * ESKOM DRAWING No. D-DT-3166 *									
ITEM		:- LUG,AL BI-MET M12 AND M16 BOLT 0DEG							
MATERIAL SPECIFICATION		:-							
CORROSION SPECIFICATION		:-							
STANDARD SPECIFICATION		:-							
ESKOM SPECIFICATION		:- SCSSCAAG5, SCSSCAAU5, DSP 0035							
TEST & CERTIFICATION REQUIREMENTS :- TYPE TEST AND PRODUCTION SAMPLE TEST									
INSPECTION		Yes	No	ESKOM RELEASE NOTE		Yes No			
IDENTIFICATION:- INDELIBLE MANUFACTURES TRADEMARK & PART No. ON ALL ITEMS FITTING REF., CONDUCTOR SIZE, DIE SIZE AND CRIMPING RANGE									
9	CHICADEE LUG CHANGED TO COMPRESSION HEXAGON CRIMP			P.A.T.	B. HILL	M. SHUTTER	13.06.2013		
8	ADDITIONAL NOTES ADDED TO DRAWING AND ADDITIONAL ESKOM SPEC. ADDED			P.A.T.	L. CHRISTIAANS	B. HILL	18.09.2009		
7	WELDED INTERFACE TO BE SEALED WITH A UV STABLE SEALANT OR EPOXY ADDED			P.A.V.	B. HILL	B. HILL	22.02.2005		
REV	REVISION DESCRIPTION			BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	P. CROWDY	DATE:	17.07.1995	SCALE NTS				SAP No: 0180018	
CHKD:	J. SWAN	DATE:	17.07.1995	CAD REF:					
DRAWN:	P.A. VERMAAK	DATE:	09.06.1995	SERIES 3000		SET		SHEET	REV
				FILE No:		3		1	9
				3166					
				D-DT- 3166					


SPEC SHEET

SAP MATERIAL No.:		0180019					
SHORT DESCRIPTION:		LUG,BI-MET 9.0-15.0D M12 0 DEG I/C D3166					
TECH. DESCRIPTION:							
TERMINAL LUG * COMPRESSION INDENT CRIMP *							
BI-METAL, ALUMINIUM TO COPPER *							
LUG 0 DEGREES * PALM FRICTION WELDED *							
HOLE M12 BOLT CLEARANCE *							
CONDUCTOR : PINE 10.83mm DIA. OR MINK 10.98mm DIA.,							
OAK 13.95mm DIA. OR HARE 14.16mm DIA. *							
CONDUCTOR COLOUR CODE RED AND BROWN *							
MAXIMUM TUBE INSIDE DIAMETER 15.0mm *							
FILLED WITH JOINTING COMPOUND AND CAPPED*							
WELDED INTERFACE TO BE SEALED WITH A UV STABLE SEALANT OR EPOXY *							
INDIVIDUALLY PACKED IN SEALED PLASTIC BAG * FOR USE WITH							
HYDRAULIC 4-POINT SHALLOW INDENTATION CRIMPING TOOL *							
ESKOM DRAWING No. D-DT-3166 *							

SAP MATERIAL No.:		0214103					
SHORT DESCRIPTION:		LUG,BI-MET CHICADEE M12 0 DEG I/C D3166					
TECH. DESCRIPTION:							
TERMINAL LUG * COMPRESSION HEXAGON CRIMP *							
BI-METAL, ALUMINIUM TO COPPER *							
LUG 0 DEGREES * PALM FRICTION WELDED *							
HOLE M12 BOLT CLEARANCE *							
CONDUCTOR : CHICADEE 18.87mm DIA. *							
CONDUCTOR COLOUR CODE RED *							
MAXIMUM TUBE INSIDE DIAMETER 19.0mm *							
FILLED WITH JOINTING COMPOUND AND CAPPED*							
WELDED INTERFACE TO BE SEALED WITH A UV STABLE SEALANT OR EPOXY *							
INDIVIDUALLY PACKED IN SEALED PLASTIC BAG *							
FOR USE WITH HYDRAULIC TOOL AND HEX. DIE SET FROM THE							
ALCAN SYSTEM DIE ACROSS FLATS (A/F) ALUMINIUM 28.2mm *							
ESKOM DRAWING No. D-DT-3166 *							

9	CHICADEE LUG CHANGED TO COMPRESSION HEXAGON CRIMP		P.A.T.	B. HILL	M. SHUTTER	13.06.2013		
8	ADDITIONAL NOTES ADDED TO DRAWING AND ADDITIONAL ESKOM SPEC. ADDED		P.A.T.	L. CHRISTIAANS	B. HILL	18.09.2009		
7	WELDED INTERFACE TO BE SEALED WITH A UV STABLE SEALANT OR EPOXY ADDED		P.A.V.	B. HILL	B. HILL	22.02.2005		
REV	REVISION DESCRIPTION		BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	P. CROWDY	DATE:	17.07.1995	 D-DT- 3166		SAP No:		
CHKD:	J. SWAN	DATE:	17.07.1995			0180019		
						0214103		
						SET	SHEET	REV
DRAWN:	P.A. VERMAAK	DATE:	09.06.1995			3	2	9

SPEC SHEET

SAP MATERIAL No.:		0180020							
SHORT DESCRIPTION:		LUG,BI-MET 6.3-9.0D M16 0 DEG I/C D3166							
TECH. DESCRIPTION:									
TERMINAL LUG * COMPRESSION INDENT CRIMP * BI-METAL, ALUMINIUM TO COPPER * LUG 0 DEGREES * PALM FRICTION WELDED * HOLE M16 BOLT CLEARANCE * CONDUCTOR : SQUIRREL 6.33mm DIA. OR ACACIA 6.24mm DIA. AND FOX 8.37mm DIA. OR 35 8.31mm DIA. * CONDUCTOR COLOUR CODE ORANGE, GREEN AND BLUE * MAXIMUM TUBE INSIDE DIAMETER 9.0mm * FILLED WITH JOINTING COMPOUND AND CAPPED* WELDED INTERFACE TO BE SEALED WITH A UV STABLE SEALANT OR EPOXY * INDIVIDUALLY PACKED IN SEALED PLASTIC BAG * FOR USE WITH HYDRAULIC 4-POINT SHALLOW INDENTATION CRIMPING TOOL * ESKOM DRAWING No. D-DT-3166 *									
SAP MATERIAL No.:		0180021							
SHORT DESCRIPTION:		LUG,BI-MET 9.0-15.0D M16 0 DEG I/C D3166							
TECH. DESCRIPTION:									
TERMINAL LUG * COMPRESSION INDENT CRIMP * BI-METAL, ALUMINIUM TO COPPER * LUG 0 DEGREES * PALM FRICTION WELDED * HOLE M16 BOLT CLEARANCE * CONDUCTOR : PINE 10.83mm DIA. OR MINK 10.98mm DIA., OAK 13.95mm DIA. OR HARE 14.16mm DIA. * CONDUCTOR COLOUR CODE RED AND BROWN * MAXIMUM TUBE INSIDE DIAMETER 15.0mm * FILLED WITH JOINTING COMPOUND AND CAPPED* WELDED INTERFACE TO BE SEALED WITH A UV STABLE SEALANT OR EPOXY * INDIVIDUALLY PACKED IN SEALED PLASTIC BAG * FOR USE WITH HYDRAULIC 4-POINT SHALLOW INDENTATION CRIMPING TOOL * ESKOM DRAWING No. D-DT-3166 *									
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CHKD:	J. SWAN	DATE:	17.07.1995	CAD REF:				0180020	
DRAWN:	P.A. VERMAAK	DATE:	09.06.1995	SERIES 3000		SET		SHEET	REV
				FILE No: 3166		3		3	9
D-DT- 3166									