



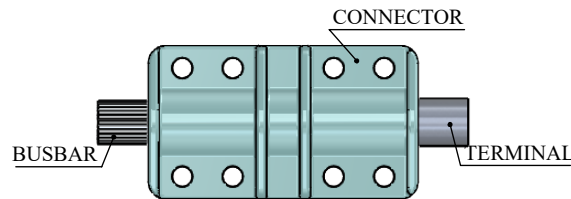
ADARSH LINE ACCESSORIES PVT.LTD

ERECTION INSTRUCTIONS

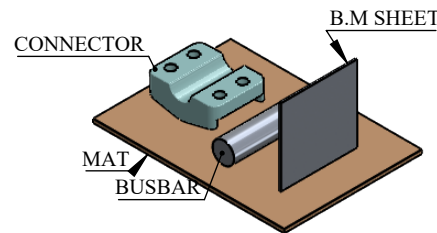
FOR EHV SUB - STATION CONNECTORS - BOLTED TYPE

(PERFORMANCE OF CONNECTOR DEPENDS ON PROPER INSTALLATION)

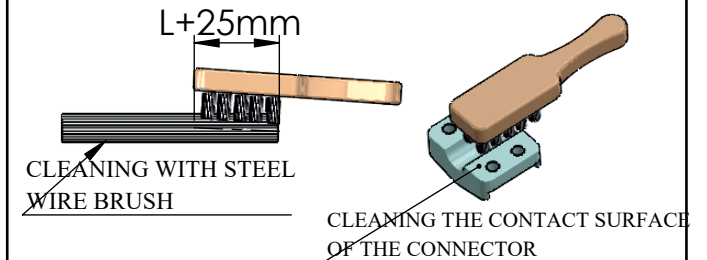
STEP:1 CHECK SUITABILITY OF THE CONNECTOR WITH THE ASSOCIATED SIZE OF BUSBAR/TERMINAL



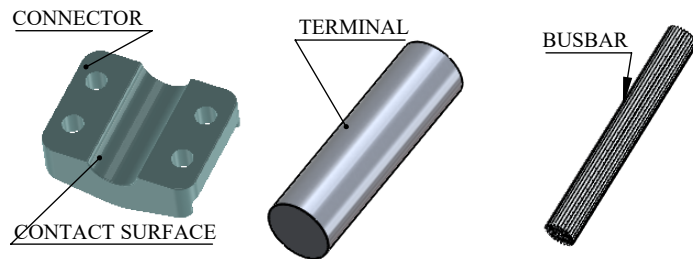
STEP:2 AVOID PLACING CONNECTOR/BOLTS /BUSBAR/B.M.SHEET ON SAND /SOIL



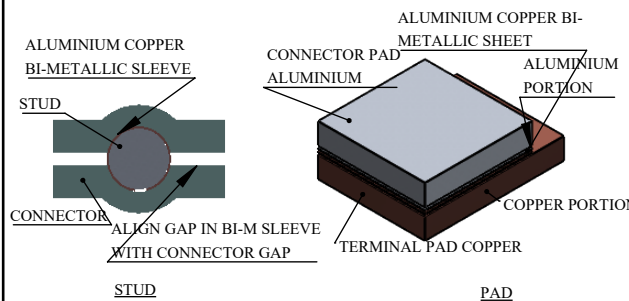
STEP:3 REMOVE OXIDE FILM FROM CONNECTOR
L=100mm



STEP:4 APPLY ANTI - CORROSIVE COMPOUND ON CONNECTOR //BUSBAR/TERMINAL:



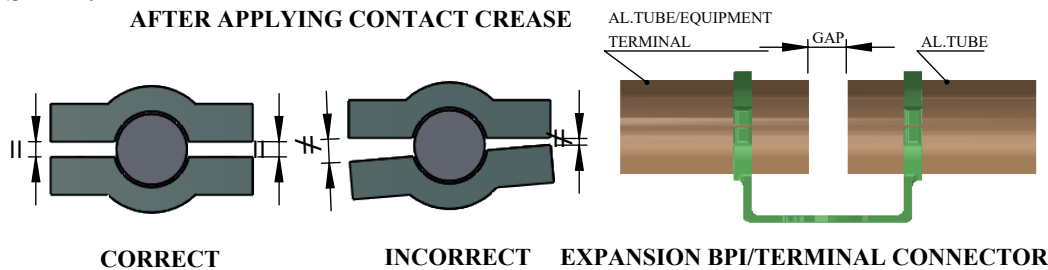
STEP:5 ASSEMBLY OF BI -METALLIC SHEET



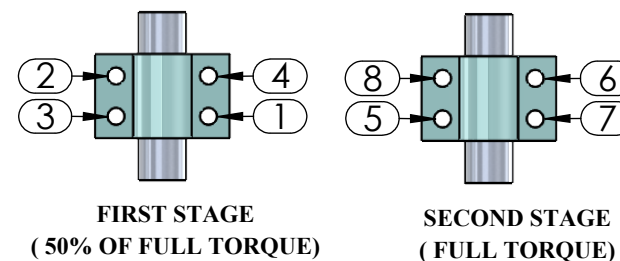
STEP:5 RECOMMENDED BOLTS TIGHTENING TORQUE

Size of bolts(A2-70)	M6	M8	M10	M12	M14	M16
Tightening torque in Nm	10	20	30	40	50	60

STEP:7 ASSEMBLE THE CONNECTOR WITH BUSBAR/ TERMINAL AFTER APPLYING CONTACT CREASE



STEP:8 SEQUENCE OF THE BOLT TIGHTENING



ENSURE THE SETTING OF THE CONNECTOR WITH ASSOCIATED BUSBAR/TERMINAL AND ENSURE THAT THE DISTANCE BETWEEN CLAMPING PIECE AND BODY REMAINS EQUAL ON ALL THE SIDES OF THE CONNECTOR.

Periodic Maintenance : Generally no specific maintenance required. Check on Bolts Torque during shut down may be done on Terminal & Busbar Connectors. If bolts are found to be loose on Inspection during shut down, it is advised to dismantle the Connector and follow the Erection Instructions above .



ADARSH LINE ACCESSORIES PVT.LTD
ERECTION INSTRUCTIONS
CONNECTORS FOR EHV SUB - STATIONS
COMPRESSION TYPE

<p>STEP:1</p> <p align="center">CHECK SUITABILITY OF COMPRESSION SLEEVE</p>	<p>STEP:2 L - COMPRESSION AREA</p> <p align="center">REMOVE OXIDE FILM FROM CONDUCTOR</p>	<p>STEP:3</p> <p align="center">INTERNAL CLEANING OF CONNECTOR</p>	<p>STEP:4</p> <p align="center">APPLY ANTI - CORROSIVE COMPOUND</p>
<p>STEP:5</p> <p align="center">PROPER SELECTION OF COMPRESSION DIE FOR SINGLE CRIMPING</p>	<p>STEP:6 L* COMPRESSION AREA</p> <p align="center">INSERT CORRECT SIZE OF CONDUCTOR MARKED IN THE PRE -GREASED COMPRESSION SLEEVE, UP TO THE END</p>	<p>STEP:7(A)</p> <p align="center">PLACE COMPRESSION DIE ON HYDRAULIC JACK</p>	
<p>STEP:7(B)</p> <p align="center">ALIGN CONDUCTOR SUPPORT SLEEVE IN STRAIGHT LINE</p>	<p>STEP:8</p> <p align="center">FOLLOW RECOMMENDED CRIMPING PRESSURE AS PER TABLE -1 IN STEPS</p>		<p>STEP:9</p> <p align="center">REMOVE CRIMPED SLEEVE AFTER 90 SECS</p>

STEP:10 **CONFIRM CRIMPING DIMENSIONS AS PER TABLE - 1**

<p>L* Length of crimping</p>	<p>TABLE -1 (APPLICABLE ONLY FOR APPROVED POWER PACK TOOL & DIES)</p> <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>SL.NO</th> <th>CONDUCTOR SIZE</th> <th>A</th> <th>(L*)SINGLE CRIMPING</th> <th>(L*)MULTIPLE CRIMPING</th> <th>RECOMMENDED CRIMPING PRESSURE</th> </tr> </thead> <tbody> <tr> <td>01.</td> <td>400Sq.mm(Ø 26.5mm)</td> <td>36 ± 1</td> <td>70</td> <td>75</td> <td>7000 ± 100 PSI</td> </tr> <tr> <td>02.</td> <td>600Sq.mm(Ø 31.5mm)</td> <td>42 ± 1</td> <td>70</td> <td>75</td> <td>8000 ± 100PSI</td> </tr> <tr> <td>03.</td> <td>800Sq.mm(Ø 36.9mm)</td> <td>47 ± 1</td> <td>70</td> <td>75</td> <td>9000 ± 100 PSI</td> </tr> <tr> <td>04.</td> <td>1266Sq.mm(Ø 46.3mm)</td> <td>56 ± 1</td> <td>85</td> <td>75</td> <td>10000 ± 100 PSI</td> </tr> </tbody> </table>	SL.NO	CONDUCTOR SIZE	A	(L*)SINGLE CRIMPING	(L*)MULTIPLE CRIMPING	RECOMMENDED CRIMPING PRESSURE	01.	400Sq.mm(Ø 26.5mm)	36 ± 1	70	75	7000 ± 100 PSI	02.	600Sq.mm(Ø 31.5mm)	42 ± 1	70	75	8000 ± 100PSI	03.	800Sq.mm(Ø 36.9mm)	47 ± 1	70	75	9000 ± 100 PSI	04.	1266Sq.mm(Ø 46.3mm)	56 ± 1	85	75	10000 ± 100 PSI
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* Dies to suit O/D of Aluminium sleeve maybe used with Standard Crimping Tool capable of going upto 10000 PSI