

**TENSION JOINTS**

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## 1. COMPRESSION SLEEVE SCHEDULE (HEXAGONAL)

CONDUCTOR		SLEEVE			HEXAGONAL COMPRESSION JOINTS				
STRANDING	TYPE	TYPE OR DRAWING No.	O.D.	MIN. LENGTH	AF DIE MARKING	EXTENSION	DIE DIMENSIONS		
							A.C.	A.F.	L
3/2.75 3/2.75 3/4/2.5	SC/GZ SC/AC ACSR								
HELICAL MIDSPAN SPLICES ONLY									
6/1/2.5 7/2.5	ACSR AAC	ALUMINIUM 36R	16.5	350	14.4	5	16.6	14.4	31.8
6/1/3.0 7/3.0	ACSR AAC	ALUMINIUM 44R	20.6	380	17.3	15	19.1	16.6	25.4
6/1/3.75 7/3.75	ACSR AAC	ALUMINIUM 50R	20.6	470	18	10 25	20.6	17.9	25.4
6/4.75 7/1.60 7/4.75	ACSR AAC	ALUMINIUM 61R	25.4	500	22	10 25	25.4	22.0	22.2
19/3.25	AAC	ALUMINIUM 68A	25.4	280	22	15	25.4	22.0	22.2
19/3.75	AAC	ALUMINIUM 80A	30.2	320	26.2	15	30.2	26.2	22.2
19/4.75 #	AAC	ALUMINIUM T1/250/90	39.7	660	30.3	80	38.1	33.7	50.8
37/3.75•	AAC	ALUMINIUM T1/250/217	50.0	710	43.2	30	51.0	44.2	
#	There are two different sleeves on the market for 19/4.75 AAC. Only use the smaller diameter sleeve requiring the 30.3 A/F die and 12 tonne press.								
	• 60 tonne hexagonal press required.								
	FOR FURTHER INFORMATION ON ABBREVIATIONS AND SLEEVE MARKINGS SEE NOTES ON PAGE Apx4 - 4								

## 2. COMPRESSION SLEEVE SCHEDULE (VERSACRIMP)

CONDUCTOR		SLEEVE			VERSACRIMP COMPRESSION JOINTS	
STRANDING	TYPE	TYPE OR DRAWING No.	O.D.	MIN. LENGTH	CRIMPS PER END	EXTENSION
3/2.75 3/2.75 3/4/2.5	SC/GZ SC/AC ACSR	HELICAL MIDSPAN SPLICES ONLY				
6/1/2.5 7/2.5	ACSR AAC	ALUMINIUM 36R	16.5	350	8	35
6/1/3.0 7/3.0	ACSR AAC	ALUMINIUM 50R	20.6	470	11	15
6/1/3.75 7/3.75	ACSR AAC	ALUMINIUM 44R	20.6	470	11	10
6/4.75 7/1.60 7/4.75	ACSR AAC	ALUMINIUM 61R	25.4	500	OVERLAP	10 15
19/3.25	AAC	ALUMINIUM 68A	25.4	280	6	5
19/3.75	AAC	ALUMINIUM 80A	30.2	320	7	10
19/4.75	AAC	<b>NOTE:</b> VERSACRIMP <b>NOT</b> USED. SEE HEXAGONAL COMPRESSION SLEEVE SCHEDULE ON PAGE 2				
37/3.75	AAC					

FOR FURTHER INFORMATION ON ABBREVIATIONS AND SLEEVE MARKINGS SEE NOTES ON PAGE Ap4 - 4

### 3. COMPRESSION SLEEVE NOTES

#### Abbreviations

AC = Across Corners

AF = Across Flats

L = Length

OD = Outside Diameter

### 4. SLEEVE IDENTIFICATION

Prefix – Manufacturers Identification

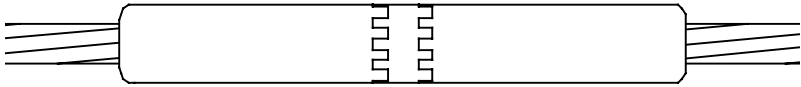
Figures – Sleeve bore, e.g. 80A has a 0.80" bore

Suffix R – Sleeve is suitable for conductors as strong as ACSR

Suffix A – Sleeve has only sufficient strength for AAC

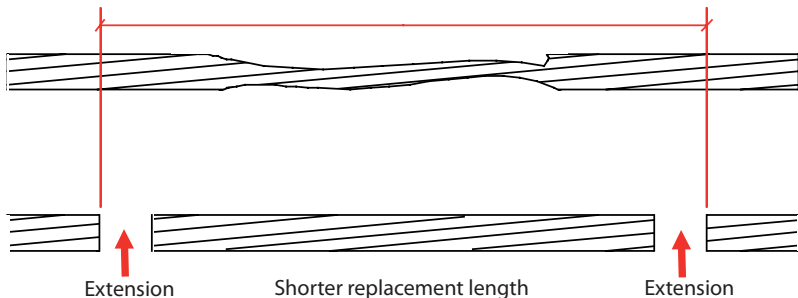
Press from centre outwards

Keep the last crimp inside the marked finish line or on the un-tapered portion of the sleeve



**NOTE:** Compression joints EXTEND during compression.

Length of damaged conductor to be removed



DEDUCT the scheduled EXTENSION amount shown in the Tables to maintain existing sag after repair is completed.

## 5. OTHER

- Clean conductors before jointing
- Use jointing compound only when sleeves are not pre-filled
- Hexagonal dies must fully close at each compression
- Inspect, straighten and clean completed joints

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# APPENDICES