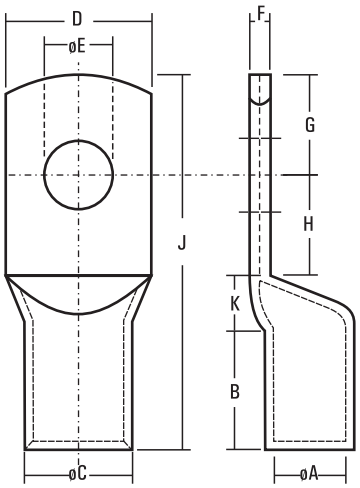

Dowell's Compression type Bi-metallic tubular terminal ends are basically made out of electrolytic grade aluminium confirming to IS 5082 Grade TIE. These aluminium terminals are first plated with copper and then electro-tinned.

The Bi-metallic terminal end barrel is filled with Dowell's corrosion inhibiting compound duly factory sealed with caps. This corrosion inhibiting compound is a mixture of fine metallic zinc particles suspended in a high temperature grease, which is conductive and acts as electrical bridge between conductor strands. This compound plays main role in breaking the oxide film which can form quickly on the surface of alumimnium when exposed to atmosphere.

These Bi-metallic terminals are mainly used to terminate on copper bus-bars. Whenever aluminium links terminated on to copper or copper based alloy terminals without suitable plating, results in the corrossion of the joint over a period leading to higher joint resistance. BI-METALLIC terminals are found most reliable and suitable for such connections.

COMPRESSION TYPE BIMETALLIC TERMINAL ENDS WITH CONDUCTING CORROSION INHIBITING COMPOUND


SYB-95

SYT-9

SYT-7


SYT- 2


SYD-20


SYE- 150


SYT- 102

MM²	E Bolt MMø	øA	øC	D	F	B	K	G+H	J	Dowell's CAT. No.	SYB 95	SYD 20A	SYE 150A	SYT 7	SYT 9	SYT - 102 R	STD PKG
10	M 6 M 8	4.4	7.4	10.0 15.0	2.8 1.8	9	4	17	30	BL-1 BL-2	JBR-1				10		200
16	M 6 M 8	5.4	8.3	11.0 11.0	2.9 2.9	13	4	20	37	BL-3 BL-4	JBR-2				16		200
25	M8 M10	7.0	10.0	14.0 20.0	3.0 1.7	16	7	21	44	BL-5 BL-6	JBR-4				25		100
35	M8 M10	8.0	10.8	15.0 20.0	2.8 2.1	18	7	22	47	BL-7 BL-8	JBR-5				35		100
50	M8 M10	9.3	13.0	18.0 23.0	3.7 2.8	22	8	24	54	BL-9 BL-10	JBR-7				50	HY-267	100
70	M10 M12	11.6	16.0	22.0	4.4	26	8	26	60	BL-11 BL-12	JBR-9					HY-268	50
95	M10 M12	12.9	17.1	25.0	4.2	28	8	28	64	BL-13 BL-14	JBR-10					HY-269	50
120	M10 M12	14.8	19.6	28.0	4.8	32	11	30	73	BL-15 BL-16	JBR-11	JDR-11	JER-11	JEK-402		HY-270	30
150	M12 M16	16.1	21.2	31.0	5.1	34	11	34	79	BL-17 BL-18		JDR-12	JER-12	JEK-403		HY-271	20
185	M12 M16	18.0	23.7	34.0	5.7	36	12	36	84	BL-19 BL-20		JDR-13	JER-13	JEK-404		HY-272	10
225	M12	20.6	27.0	39.0	6.4	40	14	40	94	BL-21		JDR-14	JER-14	JEK-405		HY-273	10
240	M12 M16	22.0	28.0	40.0	6.0	44	14	44	102	BL-22 BL-23		JDR-15	JER-15	JEK-406		HY-273	10
300	M16 M20	24.0	31.0	45.7	7.0	47	14	54	115	BL- 24 BL-25		JDR-16	JER-16	JEK-407		HY-274	10
400	M20	28.0	36.0	51.0	8.0	56	13	61	130	BL-26			JER-18	JEK-277		HY-275	5
500	M20	30.0	41.0	58.0	11.0	60	15	65	140	BL-27			JER-20			JEM-279	5
630	M20	35.0	46.0	66.0	11.0	69	16	69	154	BL-28			JER-21				5
800		39.0	51.0	73.0	12.0	77	25	78	180	BL-29			JER-27				5
1000		43.5	57.0	81.0	13.5	100	30	90	220	BL-30			JER-29				4

MATERIAL-ELECTROLYTIC ALUMINIUM IS 5082 CU COATED TOLERANCE=± 5% FINISH : ELECTRO TINNED