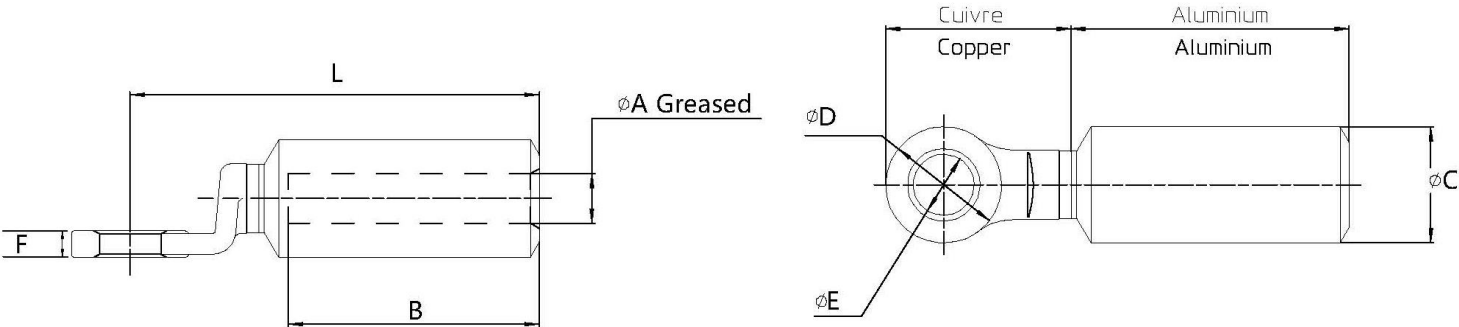
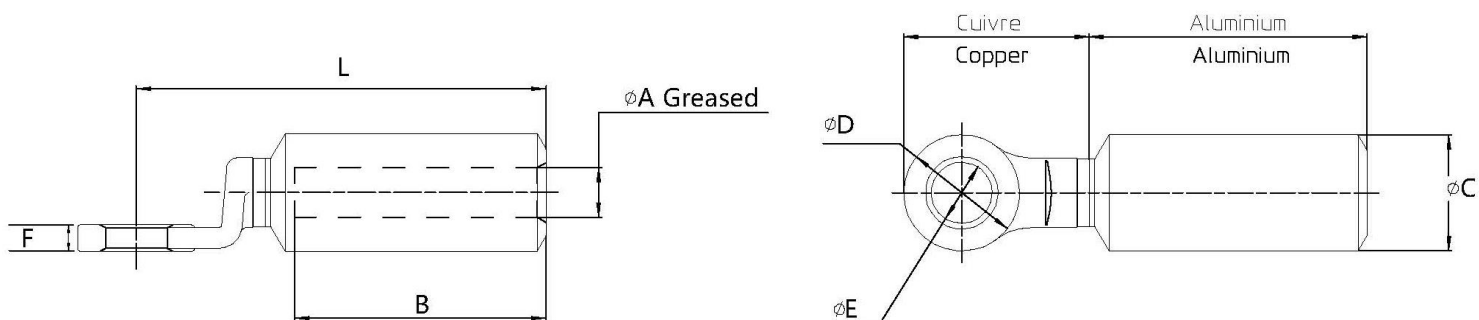


Copper – Aluminium Bi Metal Lugs Datasheet

TTS’s bimetallic lugs are the best solution to connect an aluminium conductor to a copper bar. These lugs can be used either with LV or MV terminations. TTS’s bimetallic lugs provide an age resistant current connection from the aluminium barrel to the solid copper palm.



Cable mm ²	A	B	C Lug Size	D Ring Outside	E Hole Size	F	L	TTS PART NO.
25	7.5	30	12	20	10.5	5	60	TBM-25M10
35	8.5	30	12	20	10.5	5	65	TBM-35M10
50	10.2	32	16	20	8.5	5	70	TBM-50M8
50	10.2	32	16	20	10.5	5	75	TBM-50M10
50	10.2	32	16	25	13	5	72.5	TBM-50M12
70	11.5	45	20	25	8.5	5	77.5	TBM-70M8
70	11.5	45	20	25	10.5	5	77.5	TBM-70M10
70	11.5	45	20	25	13	5	77.5	TBM-70M12
95	13.5	50	22	25	10.5	5	82.5	TBM-95M10
95	13.5	50	22	25	13	5	82.5	TBM-95M12
120	15.5	55	22	25	10.5	5	87.5	TBM-120M10
120	15.5	55	22	25	13	5	87.5	TBM-120M12
150	16.5	60	25	25	10.5	5	92.5	TBM-150M10
150	16.5	60	25	25	13	5	92.5	TBM-150M12



mm ²	A	B	C Cable Size	D Ring Outside	E Hole Size	F	L	TTS PART NO.
185	18	60	30	36	10.5	7	112	TBM-185M10
185	18	60	30	36	13	7	112	TBM-185M12B
185	18	60	30	30	13	6	115	TBM-185M12
240	22	65	32	30	10.5	6	117	TBM-240M10
240	22	65	32	36	13	7	117	TBM-240M12
240	22	65	32	30	13	6	120	TBM-240M12B
240	22	65	32	36	17	7	117	TBM-240M16
240	22	65	32	50 X 50	10.5 X 4	7.5	135	TBM-240X4
300	23.5	70	35	36	10.5	7	122	TBM-300M10
300	23.5	70	35	36	13	7	122	TBM-300M12
300	23.5	70	35	36	17	7	122	TBM-300M16
400	26.5	75	35	36	13	7	127	TBM-400M12
400	26.5	75	35	36	17	7	127	TBM-400M16
500	30	95	47	60 X 60	-	10	170	TBM-500B
630	34	95	54	60 X 60	-	10	170	TBM-600B
800	39	115	54	60 X 60	-	10	220	TBM-800B
1000	42	126	60	80 X 80	-	10	216	TBM-1000B
1300	46.5	136	65	80 X 80	-	10	227	TBM-1300B



CONDUCTIVE MATERIAL SPECIFICATIONS:

Aluminium barrell	99.6%
Copper Palm	99.95%
Final metal state	Fully annealed including joint.
Joining method	Friction welding, welding area > nominal conductor area.
Finish	Natural.

Conductivity:

- ALUMINIUM 61.8% International Annealed Copper Standard (IACS) (Min)
- COPPER 99.7% International Annealed Copper Standard (IACS) (Min)
- Aluminium barrel chemically treated to reduce contact resistance and corrosion. The Barrel is then filled with an electrically conductive corrosion inhibitor grease and then capped to close of the grease and ensure secure transport.

NOTE :

1. COMBINATOINS OF BI-METALLIC COMPRESSION JOINTS ARE DESIGNED ON THE BASIS OF CURRENT CARRYING CAPACITY OF INDIVIDUAL CABLES.
2. IF SPECIAL COMBINATIONS ARE REQUIRED, WE ARE ABLE TO CUSTOMIZE SIZES TO ACCOMMODATE YOUR NEEDS PLEASE ENQUIRE AT OUR BRANCH.



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