



PARALLEL GROOVE CLAMPS FOR BARE OVERHEAD ALUMINIUM/COPPER TAP CONDUCTORS

KEY FEATURES

- Uniformity of material
- * Long term elasticity
- Corrosion withstand
- Pressure pad has uniform pressure along the clamp
- Spring washers maintain pressure even if temperature change causes dilatation
- High permanent strength applied on the clamp
- Good electrical contact without corrosion
- Improve mechanical pull-out strength and electrical contact

TE Connectivity's (TE) Parallel Groove Clamps are designed to connect two parallel conductors in order to do a derivation of a secondary conductor or to close a loop of one conductor to fit it on an insulator.

These connectors are composed of two parts, an upper body and lower body. They have two parallel grooves to receive the conductors. In aluminium clamps, the two bodies are made out of high strength aluminium alloy. Copper clamps are made out of high strength electrolytic copper. In bimetallic clamps, the two bodies are made out of high strength aluminium alloy, and to tight a copper conductor, one groove is made with laminated "Cupal" plate welded by hot forging which makes molecular link.

To avoid corrosion between conductor and clamp, the border of the copper plating is protected by UV-proof varnish. The bolts are made out of hard steel (8 - 8) and hot-dip galvanized.

To warranty a reliable tightening, a pressure pad and a spring washer are inserted under the bolt head of the clamp.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

Parallel Groove Clamps



Complies with German standards VDE 0210 and 0212

PRODUCT SELECTION INFORMATION									
Description	Conductor Cross section (mm ²)			Conductor dia (mm)		Bolts	TT N.m	Weight (g) Kg/100pcs	Part Number
	AAC	ACSR	Cu	Al	Cu				
Bimetallic Al/Cu Range									
HEL-3909	16 - 95	16/2,5 - 70/12	6 - 50	5,1 - 12,5	2,7 - 9,0	2 x M8	22	11.5	707352-000
HEL-3911	25 - 150	25/4 - 120/20	10 - 95	6,3 - 15,7	5,1 - 12,5	2 x M8	22	15	580420-000
HEL-3915	35 - 300	35/6 - 265/35	35 - 240	7,5 - 22,5	7,5 - 20,2	3 x M10	44	68	925876-000
HEL-3919	16 - 70	16/2,5 - 70/12	6 - 50	5,1 - 11,7	2,7 - 9,0	1 x M8	22	6	429098-000
HEL-3920	16 - 95	16/2,5 - 50/8	1,5 - 10	5,1 - 11,7	1,5 - 5,1	1 x M8	22	6	899310-000
Copper Range									
HEL-3005	-	-	2,5 - 16	-	1,8 - 5,1	1 x M5	6	2.8	277480-000
HEL-3006 M6	-	-	4 - 25	-	2,3 - 6,3	1 x M6	8	4.6	833594-000
HEL-3007	-	-	6 - 35	-	2,7 - 7,5	1 x M7	14	6.5	276812-000
HEL-3009	-	-	6 - 70	-	2,7 - 10,5	1 x M8	20	11.7	339922-000
HEL-3029	-	-	6 - 70	-	2,7 - 10,5	2 x M8	20	19.8	165998-000
HEL-3030	-	-	16 - 95	-	5,1 - 12,5	2 x M8	20	26.5	831160-000
HEL-3032	-	-	16 - 150	-	5,1 - 15,7	2 x M10	39	43	591368-000
Aluminum Range									
HEL-3587	6 - 35	16/2,5 - 25/4	-	2,5 - 7,5	-	2 x M7	16	9.5	927000-000
HEL-3590	10 - 95	16/2,5 - 70/12	-	4,1 - 12,5	-	2 x M8	22	14.3	206428-000
HEL-3591	16 - 120	16/2,5 - 95/15	-	5,1 - 14,0	-	2 x M8	22	15.8	705580-000
HEL-3592	25 - 150	25/4 - 120/20	-	6,3 - 15,7	-	2 x M10	44	24	622662-000
HEL-3594	35 - 240	35/6 - 210/35	-	7,5 - 20,2	-	2 x M10	44	45	437540-000
Universal Type									
HEL-3929	16 - 70	16/2,5 - 70/12*	-	5,1 - 10,5	-	2 x M8	22	10	169286-000
HEL-3932	25 - 150	25/4 - 120/20**	-	6,3 - 15,7	-	2 x M10	44	20.4	250760-000

* Use 2 clamps for dead-ends and auxiliary conductors of 50/8 and 70/12

** Use 2 clamps for dead-ends for 70/12 and above and for auxiliary conductors with strain above 90 N/mm²

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