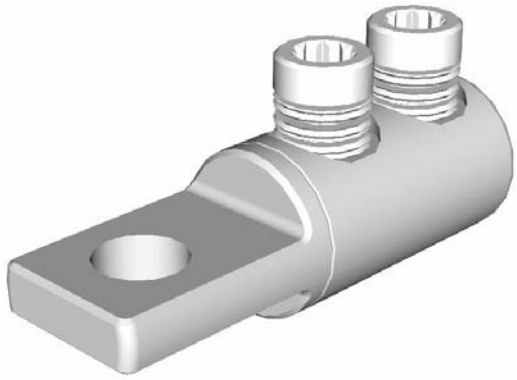
Mechanical Termination Lug with moisture / contaminant block for medium voltage applications

MECHANICAL CONNECTORS

HEPWORTH

WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 191 477 5371
TEL 0044 117 977 4647 FAX 0044 117 977 5582
WWW.THORNEANDDERRICK.CO.UK

HVTM1/.... Aluminium Connectors



Principle Application

Termination of stranded and solid 3 & 4 cored shaped conductors.

Range

PRODUCT REFERENCE	CORE C.S.A. (mm²)				STUD SIZE	APPROX. UNIT WEIGHT (grammes)
	STRANDED		SOLID			
	MIN	MAX	MIN	MAX		
HVTM 1/1-12	16	120	16	95	M12	100
HVTM 1/1-16	16	120	16	95	M16	
HVTM 1/2-12	16	185	16	150	M12	120
HVTM 1/2-16	16	185	16	150	M16	
HVTM 1/3-12	70	300	70	240	M12	160
HVTM 1/3-16	70	300	70	240	M16	

The **HVTM** range of **centre palm mechanical lugs** incorporate an **integral moisture block** and utilises the patented "universal" range taking shear bolts. The connector comes complete with core stripping guides.

Suitable for all cable voltages upto and including 11000 volts.

Secondary Applications

Termination of stranded/solid circular cored conductors.

Range

PRODUCT REFERENCE	CORE C.S.A. (mm²)				STUD SIZE	APPROX. UNIT WEIGHT (grammes)
	STRANDED		SOLID			
	MIN	MAX	MIN	MAX		
HVTM 1/1-12	16	120	16	185	M12	100
HVTM 1/1-16	16	120	16	185	M16	
HVTM 1/2-12	16	185	16	300	M12	120
HVTM 1/2-16	16	185	16	300	M16	
HVTM 1/3-12	70	300	70	400	M12	160
HVTM 1/3-16	70	300	70	400	M16	

Note: For jointing other core configurations/sizes please contact Sicame Technical Dept

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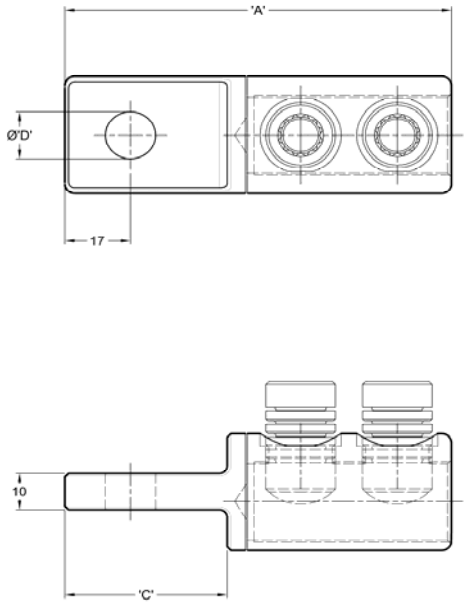
Physical Dimensions



PRODUCT REFERENCE	DIMENSIONS (mm)				
	A	ØB	C	ØD	ØE
HVTM 1/1-12	98	28.5	42	13	M16
HVTM 1/1-16	98	28.5	42	17	M16
HVTM 1/2-12	100	32	42	13	M18
HVTM 1/2-16	100	32	42	17	M18
HVTM 1/3-12	107	37.5	42	13	M18
HVTM 1/3-16	107	37.5	42	17	M18

Material

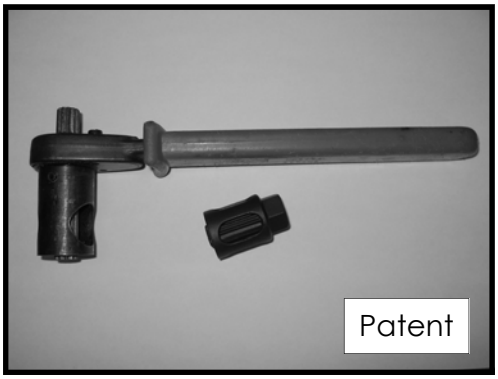
Aluminium Alloy

Test Specification

Engineering Recommendation C79/IEC 1238-1. Test Report N°: TTR144, TTR145

Fitting instructions

1. Strip insulation from each core equal to the depth of the bore guide +5mm.
2. Thoroughly abrade exposed conductor cores. (See note).
3. Align the cores within the yoke.
4. Tighten the universal bolts consecutively one turn at a time until all the heads have sheared.



Note: When jointing copper conductor, wrap the supplied brass gauze around the core prior to installation.

* Conductor cores 10mm² and below should be doubled to achieve the necessary cross sectional area.

Important: Please note that when using the HVTM terminations in joints nominally rated in excess of 3.3kV, it is essential that the Jointing System Supplier's instructions for stress relieving and re-insulation techniques are strictly adhered to.