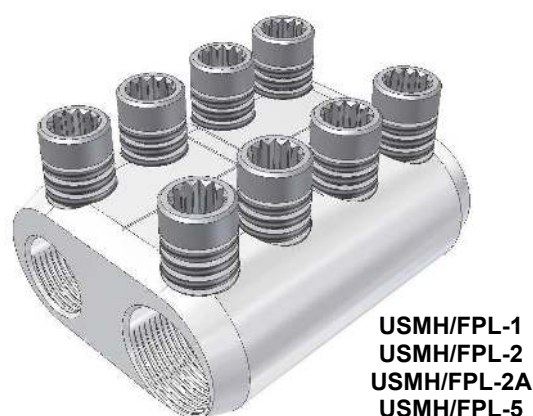


Mechanical 'H' Connector
with Moisture/Contaminant
Block for Medium/High
Voltage Applications

MECHANICAL CONNECTORS



'USMH' Aluminium 'H' Connector



Principle Application:

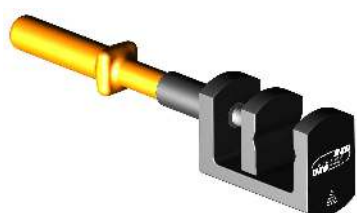
'H' Branch jointing of circular copper or aluminium stranded conductors.

Range:

Connector Reference	Stranded Core Size					
	Main			Tap		
	Min	Max	Qty	Min	Max	Qty
USMH/FPL-1	#3 (27mm ²)	350 kcmil (177mm ²)	2	#3 (27mm ²)	350 kcmil (177mm ²)	2
USMH/FPL-2	350 kcmil (177mm ²)	750 kcmil (380mm ²)	2			
USMH/FPL-2A	350 kcmil (177mm ²)	750 kcmil (380mm ²)	3	#3 (27mm ²)	350 kcmil (177mm ²)	1
USMH/FPL-3	500 kcmil (253mm ²)	1000 kcmil (507mm ²)	3			
USMH/FPL-4	500 kcmil (253mm ²)	1000 kcmil (507mm ²)	2	#3 (27mm ²)	350 kcmil (177mm ²)	2
USMH/FPL-5	500kcmil	1000 kcmil	2	500kcmil	1000 kcmil	2

The 'USMH' range of mechanical 'H' connectors incorporate an integral moisture/contaminant block and utilise the patented universal range taking shear bolts.
(USA Patent No's 6209424 & 6321624)

The appropriate tooling is to be used at all times, typical examples shown below.



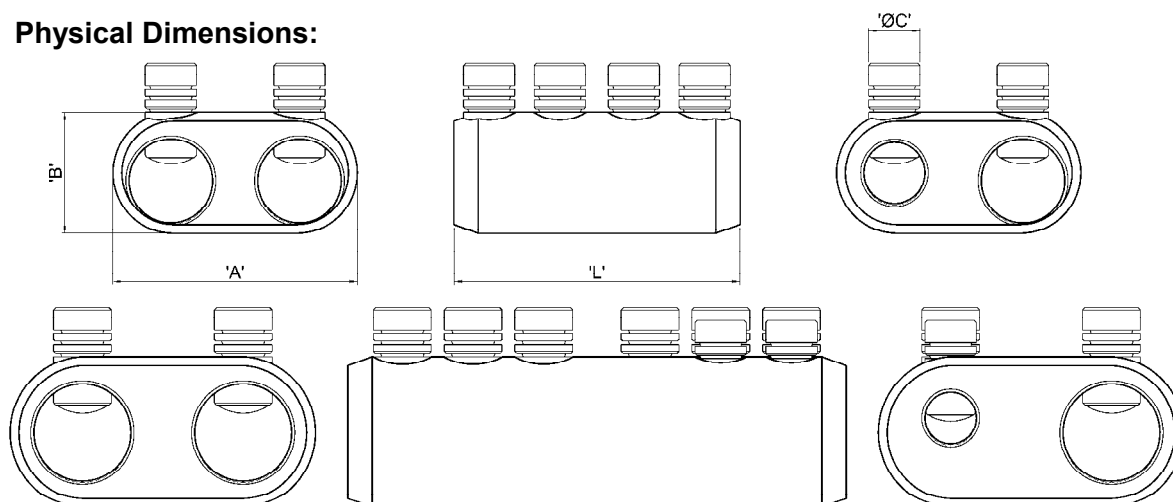
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Mechanical 'H' Connector
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'USMH' Aluminium 'H' Connector

Physical Dimensions:



Connector Reference	Dimensions			
	'L'	'B'	'A'	'C'
USMH/FPL-1	3.50" (89mm)	1.48" (37.5mm)	3" (76mm)	8 x M16
USMH/FPL-2	3.50" (89mm)	1.48" (37.5mm)	3" (76mm)	8 x M16
USMH/FPL-2A	3.50" (89mm)	1.48" (37.5mm)	3" (76mm)	8 x M16
USMH/FPL-3	6.10" (155mm)	1.85" (47mm)	3.74" (95mm)	9 x M18 2 x M16
USMH/FPL-4	6.10" (155mm)	1.85" (47mm)	3.74" (95mm)	6 x M18 4 x M16
USMH/FPL-5	6.10" (155MM)	1.85" (47MM)	3.74" (95MM)	12 x M18

Material: Aluminium Alloy (Electro-Tinned)

Test Specification: ANSI C119.4 Class 2 Partial Tension / IEEE 404

Test Report No: TTR/274 (Torque Resistance & Tensile)

Fitting instructions:

1. Strip insulation from each core equal to the depth of the bore.
2. Wire brush the exposed conductor cores and wipe clean (optional).
3. Align and position the conductor cores in each of the bores ensuring that the core is fully inserted to the centre wall.
4. Fit the universal shear screws within the connector and torque tighten one turn at a time, using the correct tool, until the bolts have sheared.



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