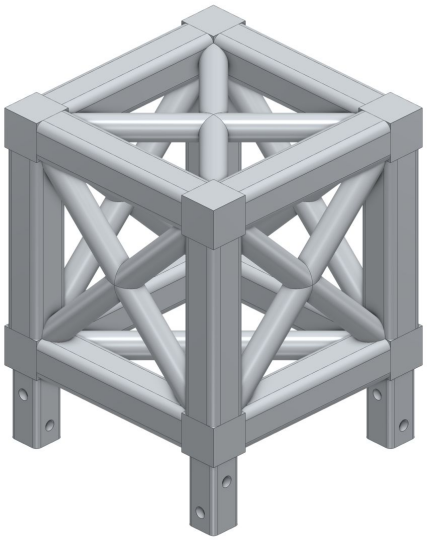
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ABN: 43 615 637 235
1300 952 788
sales@apacinfrastructure.com.au

AML500 Aluminium Modular Lattice Node - End Cap (1-Way)

AP-AML500-EC



Key Features

- 500 mm cube on the AML500 grid
- Nine nodes, 1 to 6 connecting faces
- End caps, straights, corners, tees and crosses, in a plane or in 3D
- Machined fixed spigots on every connecting face
- Welded 6061-T6 aluminium, X-braced faces

Overview

AML500 nodes are the 500 mm cubes that turn corners and branch an AML500 structure, so it can build in any direction. Each node is welded from 6061-T6 aluminium: machined corner blocks joined by 76.2 x 6.35 mm SHS edges, with every face X-braced in 50 x 4 mm CHS. Each connecting face has a machined spigot in each corner that takes a module end, bolted with an AP-AML500-JK-MN joint kit.

Nine nodes cover every arrangement. The end cap has one connecting face: it caps a tower or the end of an arm, or finishes an upright level with a node on the next one. The straight node has two opposite faces, so an upright carries on past a node level with the same cube and faces as the corner beside it. The 90° corner, T-piece and cross turn and branch in one plane, and the 3D corner, 3D T-piece, 5-way and cube (all six faces) branch in three directions. Each node can be turned to suit.

AML500 structures are engineered for each project.

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Specification

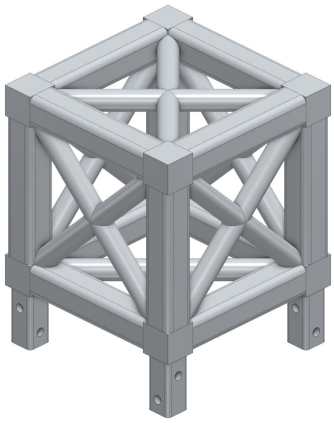
Parameter	AP-AML500-EC
Physical Specifications	
System	**AML500**
Subtype	**Erexures**
Materials	**Aluminium**
Material Finish	**Mill Finish**
Weight	**40.4 kg**
Installation	**Ground Mounted** **Platform / Substructure**
Mounting	**AML500 Spigot Joint**
Interfaces	
Installation / Attachment	Quantity: 1 — Mounting: AML500 Spigot Joint — Notes: Any connecting face takes an AML500 module end (AP-AML500-JK-MN kit)

Subcomponents

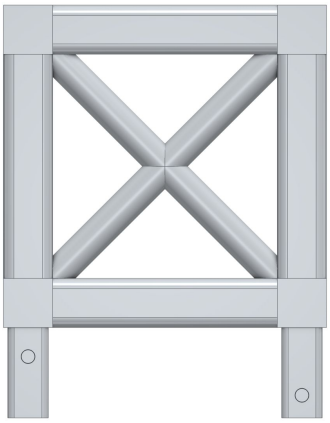
Quantity	Item	Materials	Material Finish
4	Machined Corner Blocks with Fixed Spigots	Aluminium 6061-T6	Mill Finish
4	Machined Corner Blocks	Aluminium 6061-T6	Mill Finish
12	76.2x6.35 SHS Edge Members	Aluminium 6061-T6	Mill Finish
6	50x4 CHS Face Diagonals, X-Braced	Aluminium 6061-T6	Mill Finish
12	50x4 CHS Crossing Diagonal Halves	Aluminium 6061-T6	Mill Finish

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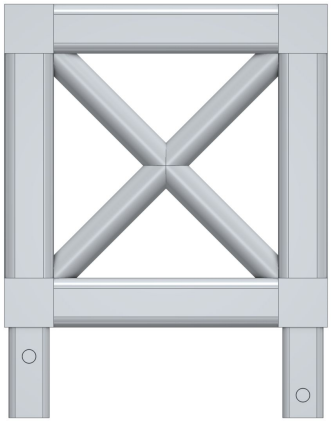
Views



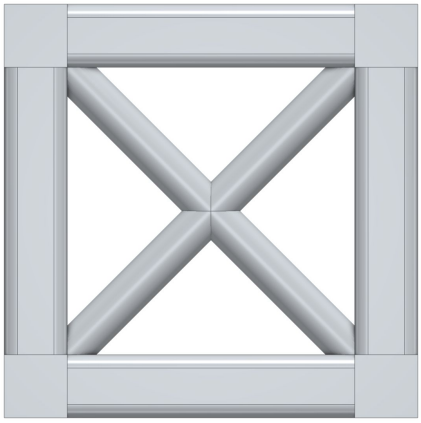
Isometric



Front



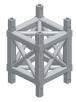
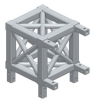
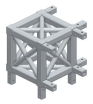
Side



Top

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1300 952 788
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Variants

	AML500 Aluminium Modular Lattice Node - End Cap (1-Way) AP-AML500-EC · this datasheet
	AML500 Aluminium Modular Lattice Node - Straight (2-Way) AP-AML500-I90
	AML500 Aluminium Modular Lattice Node - 90° Corner (2-Way) AP-AML500-C90
	AML500 Aluminium Modular Lattice Node - T-Piece (3-Way) AP-AML500-T90
	AML500 Aluminium Modular Lattice Node - Cross (4-Way) AP-AML500-X90
	AML500 Aluminium Modular Lattice Node - 3D Corner (3-Way) AP-AML500-C3D
	AML500 Aluminium Modular Lattice Node - 3D T-Piece (4-Way) AP-AML500-T3D
	AML500 Aluminium Modular Lattice Node - 5-Way AP-AML500-X3D
	AML500 Aluminium Modular Lattice Node - Cube (6-Way) AP-AML500-CB

Australian designed and manufactured infrastructure for public safety and first response, built on the Sunshine Coast, Queensland. Need a variation on this design? Our team can engineer it to suit your site.

Contact us

Phone 1300 952 788
Email sales@apacinfrastructure.com.au
Web apacinfrastructure.com.au
ABN 43 615 637 235

Specifications, dimensions and weights are nominal, correct at the date of issue and subject to change without notice. Images are for illustration and may show optional equipment. Confirm suitability for your site, including wind region and mounting surface, with APAC before ordering, and install in accordance with APAC's instructions and the relevant Australian Standards.

Issued 11 November 2026. For the latest version of this datasheet, visit https://apacinfrastructure.com.au/product-catalogue/mounting-structures/aml500-aluminium-modular-lattice-node-1-way-6-way?v=790

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