DIMENSIONS IN MILLIMETRES

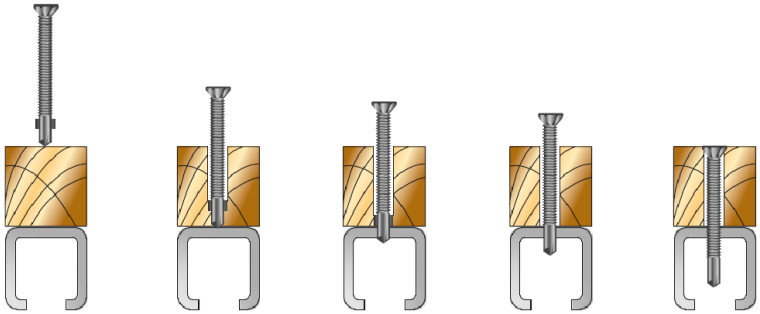
FASTENING TIMBER TO METAL WITH WING DRILLING SCREWS

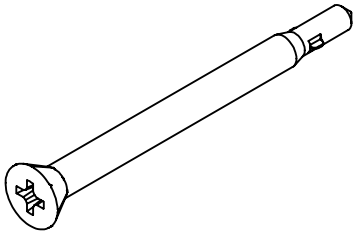
Wing Drilling Screws are specifically designed for fastening timber and composite boards to metal. The special wing feature prevents thread engagement with the timber enabling rapid fastening without stalling or lifting of the timber before the screw has fully penetrated the base material.

As the drill point drills through the timber the special wings enlarge the hole diameter ensuring that there is clearance between the threads and the timber.

Once the drilling point has fully penetrated the base material the special wings break off on contact with the base material.

The threads on the screw shank then engage and cut mating threads into the base material. The fastener head is then recessed into the fastened material as the required clamping forces are generated.





DRILLING CAPACITIES AND INSTALLATION GUIDE

WING DRILLING SCREWS
TABLE 5

Screw Type	Maximum Timber	Minimum Metal Thickness	Maximum Metal Thickness	POWER SCREW DRIVER Power Rating	POWER SCREW DRIVER Speed
6g-16x50	37mm	1.0mm	2.4mm		
10g-16x35	20mm	1.2mm	4.5mm		
10g-16x45	27mm	1.2mm	4.5mm		
10-16x50	32mm	1.2mm	4.5mm	380 Watts	2000
10g-16x55	37mm	1.2mm	4.5mm	to 650 Watts	RPM
10g-16x70	52mm	1.2mm	4.5mm		(Minimum)
10g-16x75	57mm	1.2mm	4.5mm		
14g-20x50	32mm	1.9mm	6.5mm		
14g-20x60	42mm	1.9mm	6.5mm		
14g-20x65	47mm	1.9mm	6.5mm		

UNLESS OTHERWISE SPECIFIED: TOLERANCES: MACHINE + / - 0.25mm FABRICATION + / - 1.0 mm

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THIRD ANGLE PROJECTION

WEIGHT: Kg

MECS
Mechanical Engineering & CAD Services
11 Campbell Place WAGGA NSW 2650
Ph: - 0409 985 816
Email: nick@mecservices.com.au

TITLE:
10G-16x45 WING DRILLING SCREW

DWG NO. 10G-16x45-WING-DRILL REV A4

DRAWN N DE BRUYN DATE 3/05/2025 SCALE:1:5 SHEET 1 OF 1