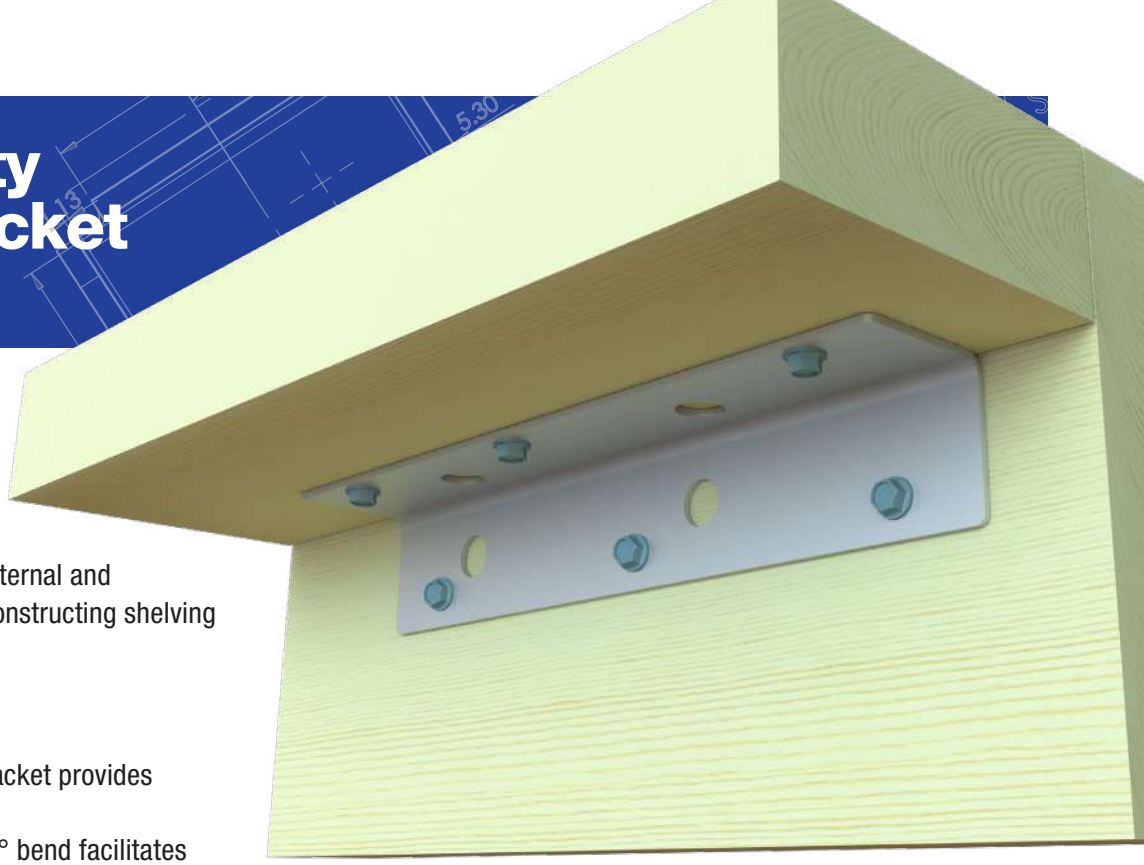
Heavy Duty Angle Bracket
GALVANISED



Application
The Bremick® Heavy Duty Angle Bracket can be used in a variety of applications including framing staircases, internal and external corner supports and constructing shelving units.

Advantages
Bremick® Heavy Duty Angle Bracket provides numerous benefits including:

- 2.0mm thickness and a 90° bend facilitates multiple right angle timber connections.
- Bracket length and flange depth makes this bracket perfect for staircase and shelf construction.
- Its versatile design enables it to be used in left or right hand and internal or external applications.
- Pre-drilled holes to enable easy fastening.
- Eliminates the need for time consuming conventional notching in staircase construction

Specifications

Steel Grade	G300
Coating	Z275 – Galvanised
Thickness	2.0mm
Length	230mm
Right Angle	40mm x 40mm
Fasteners	Bremick® Type 17, 12g x 35mm / 65mm screws

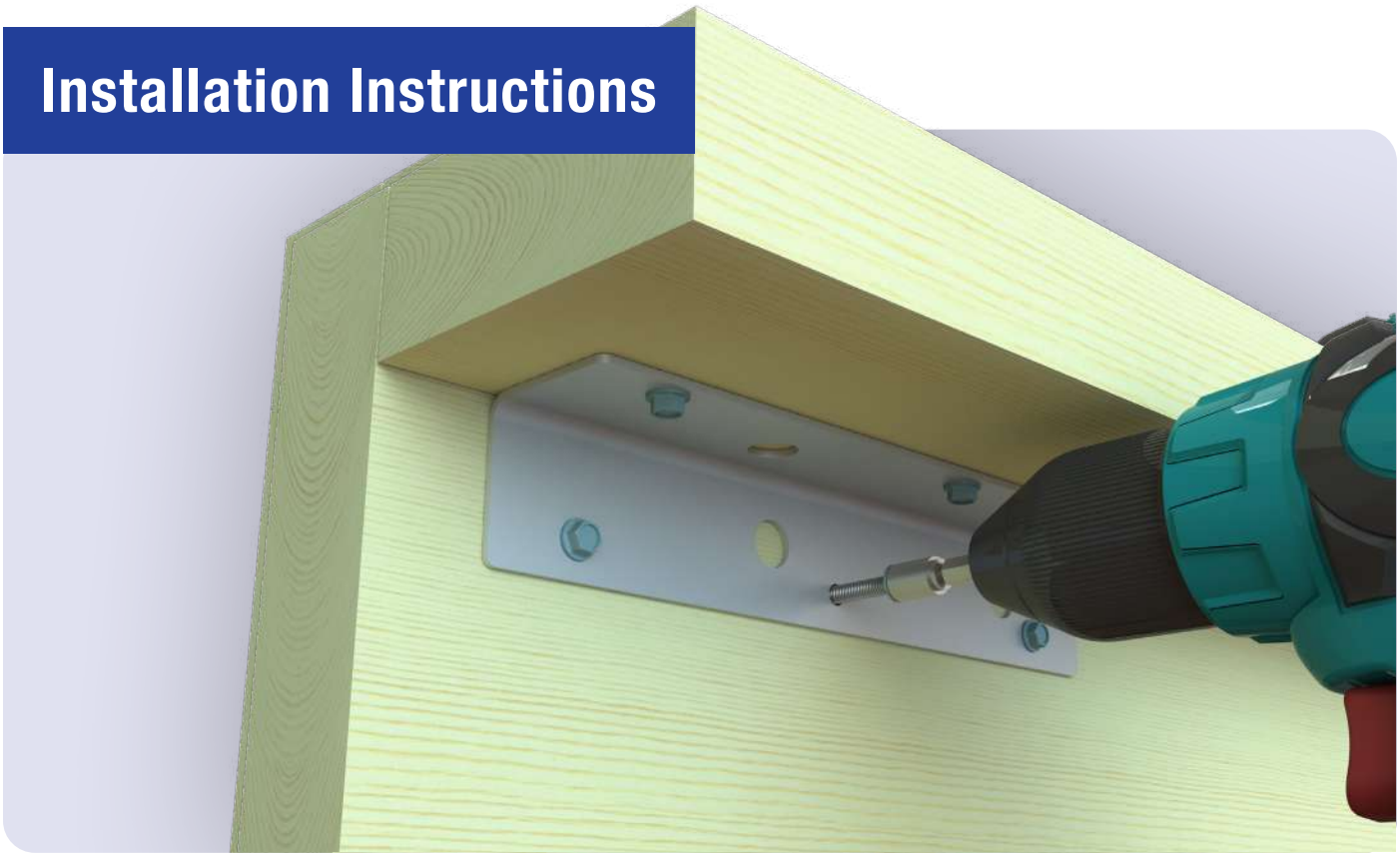
AS1684 Compliant

Engineered Performance ★ Compliance Tested ★

Bremick® Ranging

Product Code	Dimensions	Coating	Pack Qty
TBHG230040204	230mm x 40mm x 40mm x 2.0mm	Z275 – Galvanised	20

Installation Instructions



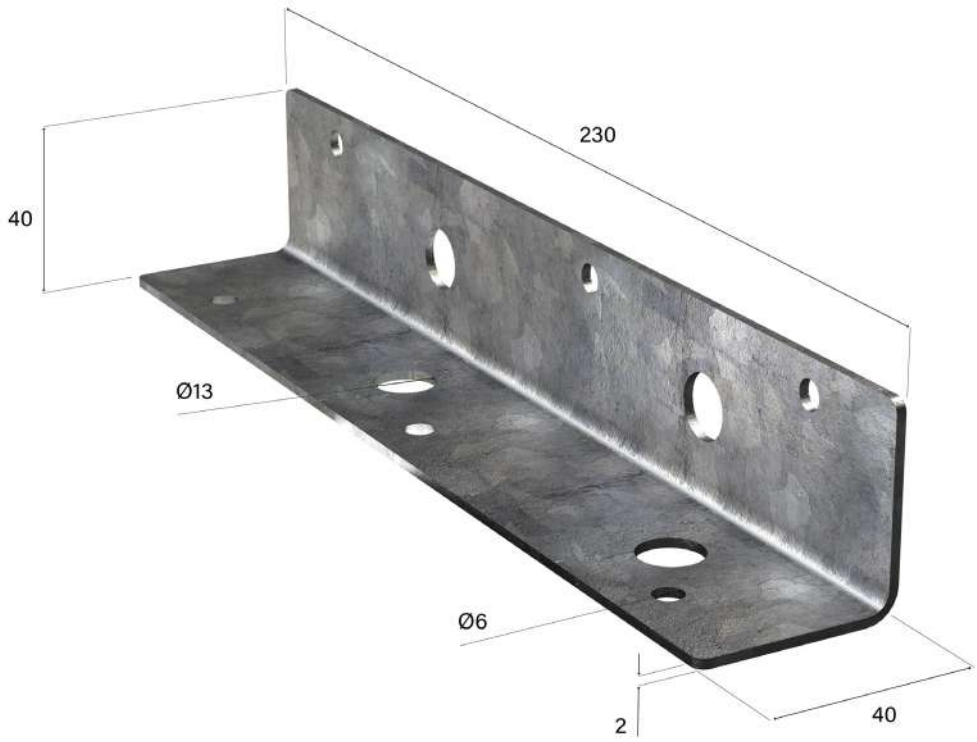
1

Fasten the flange of the Bremick® Heavy Duty Angle Bracket to the first timber member in the desired location and angle, by drilling Type 17, 12g x 35mm or 65mm timber screws through the 3 available screw holes.

2

Once the bracket is secured into the first timber member, repeat the previous step into the second timber member, that is running at right angles.

Note: The specification of the 35mm or 65mm screw is dependent on the thickness of the timber member.



Technical Data

HEAVY DUTY ANGLE BRACKET

TBHG230040204

LIMIT STATE DOWNWARDS LOAD CAPACITY (1.2G+1.5Q)

TABLE 1 CAPACITY: FOR 3-12ga x 35mm SCREWS USED @ EACH FACE.

	Seasoned Timber Capacity (kN)					
JOINT GROUP	JD6	JD5	JD4	JD3	JD2	JD1
	3.9	5.3	7.4	10.5	13.3	17.7
	Unseasoned Timber Capacity (kN)					
JOINT GROUP	J6	J5	J4	J3	J2	J1
	2.5	3.9	5.3	7.4	10.5	13.3

TABLE 2 CAPACITY: FOR 3-12ga x 45mm SCREWS USED @ EACH FACE.

	Seasoned Timber Capacity (kN)					
JOINT GROUP	JD6	JD5	JD4	JD3	JD2	JD1
	4.6	6.2	8.8	12.5	15.8	20.9
	Unseasoned Timber Capacity (kN)					
JOINT GROUP	J6	J5	J4	J3	J2	J1
	2.9	4.6	6.2	8.8	12.5	15.8

REMARKS

- Values for Category 1 (secondary members.) Values x 0.94 for Category 2 (primary members) and Category 3
- Values x 0.88 for post disaster structures primary members

** "Downwards" capacity means when loaded downwards in the application shown in the diagram on the previous page. For example, a stair tread connector to a stringer*