

BUGLE BATTEN EXTERIOR SCREWS – TIMBER FIXING

Version 01/2024

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CLASS 3 GALVANISED BUGLE BATTEN

CLASS 3 GALVANISED BUGLE BATTEN EXTERIOR SCREWS

Product Description	ZENITH® Class 3 Galvanised Bugle Batten Screws with a self-drilling tip are suitable for use in heavy duty applications. It features a Bugle Head to produce a flush surface finish. The special end slot forms a thread cutting action into the timber, which reduced timber expansion and minimises the splitting of timber. The Class 3 Galvanised finish provides a high corrosion protection. Suitable for use on hardwood and softwood timbers. Ideal for use in heavy duty landscaping applications such as deck joists, structural framing, fences, gates and outdoor furniture.	
Features & Benefits	<ul style="list-style-type: none"> • TORX 30 HEAD gives a better fit on screw for high torque fastening. • TWIN CUT DRILL TIP 2 cutting edges for accurate and effective drilling, reduces timber splitting. • CLASS 3 GALVANISED FINISH for high corrosion protection. • BURR increases clearance. 	
Standards	AS 3566.1, AS 3566.2, AS/NZS 1214:2016	
Finish	Class 3 Hot Dipped Galvanised	Suitable Applications
Material Type	Hardened Low Carbon Steel	
Steel Grade	4.6	
Corrosion Protection	High	
Drilling and Installing Capacity	ZENITH suggests a minimum embedment depth of 35mm for bugle batten screws being installed into timber, however the actual fastener selected needs to match the building material supplier's fastening recommendations.	



Mechanical Properties

Product Size	Torsional Strength (Nm)	Core Hardness (HV)	Surface Hardness (Nm)	Withdrawal Force (Kn)	Coating Thickness (um)	Thread Profile (°)
14G x 75mm	18.62	401	475	3.7	25 - 30	58°

Scan for BPIR report



Under Building product information requirements, specific details must be provided to consumers for designated building products.

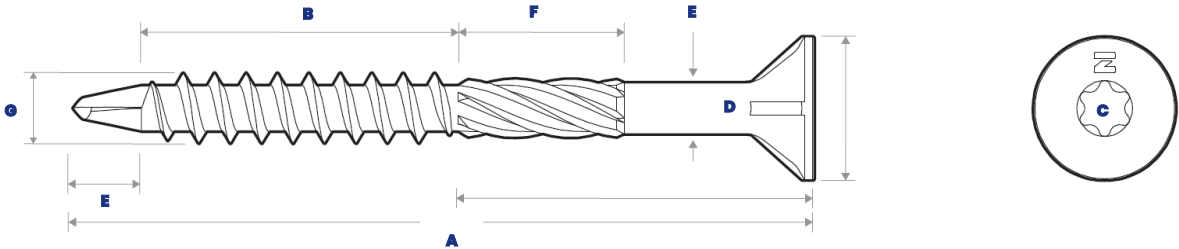
Regulations have been made to provide building product users with information about how building products contribute to compliance with the Building Code. They place obligations on Aotearoa New Zealand-based manufacturers, importers, wholesalers, retailers, and distributors.

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PART NO.		A	B	C	D	E	F	G			
	Gauge	Length (mm)	Thread Length (mm)	Threads Per Inch (TPI)	Driver Recess Type	Under Head Ribs	Shank Dia. (mm)	Burr Length (mm)	Tip Length (mm)	Pack Type	Pack Qty
ZBG1450-25	14G	50	25	8	Torx 30	4 Ribs	5.1	7.8	7	POLYBOX	25
ZBG1475-25	14G	75	32	8	Torx 30	4 Ribs	5.1	17	7	POLYBOX	25
ZBG14100-25	14G	100	80	8	Torx 30	4 Ribs	5.1	17	7	POLYBOX	25
ZBG14125-25	14G	125	80	8	Torx 30	4 Ribs	5.1	17	7	POLYBOX	25
ZBG14150-25	14G	150	100	8	Torx 30	4 Ribs	5.1	17	7	POLYBOX	25
ZBG14175-25	14G	175	100	8	Torx 30	4 Ribs	5.1	17	7	POLYBOX	25
ZBG14200-25	14G	200	100	8	Torx 30	4 Ribs	5.1	17	7	POLYBOX	25
ZBG1450-100	14G	50	25	8	Torx 30	4 Ribs	5.1	7.8	7	BOX	100
ZBG1475-100	14G	75	32	8	Torx 30	4 Ribs	5.1	17	7	BOX	100
ZBG14100-100	14G	100	80	8	Torx 30	4 Ribs	5.1	17	7	BOX	100
ZBG14125-100	14G	125	80	8	Torx 30	4 Ribs	5.1	17	7	BOX	100
ZBG14150-100	14G	150	100	8	Torx 30	4 Ribs	5.1	17	7	BOX	100
ZBG14175-100	14G	175	100	8	Torx 30	4 Ribs	5.1	17	7	BOX	100
ZBG14200-100	14G	200	100	8	Torx 30	4 Ribs	5.1	17	7	BOX	100
ZBG14125-250	14G	125	80	8	Torx 30	4 Ribs	5.1	17	7	BOX	250
ZBG14150-250	14G	150	100	8	Torx 30	4 Ribs	5.1	17	7	BOX	250
ZBG1450-500	14G	50	25	8	Torx 30	4 Ribs	5.1	7.8	7	BOX	500
ZBG1475-500	14G	75	32	8	Torx 30	4 Ribs	5.1	17	7	BOX	500
ZBG14100-500	14G	100	80	8	Torx 30	4 Ribs	5.1	17	7	BOX	500

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INSTALLATION INSTRUCTIONS

TIMBER TO TIMBER APPLICATION

1. Use a Torx 30 screwdriver bit.
2. Use a mains powered or cordless drill with a drive speed of 500 RPM (Recommended) – 1,5000 RPM maximum.
3. Fit the Torx screwdriver bit into the screw and place the tip of the screw into its fastening position.
4. Apply firm pressure in direct alignment with the screw and “drill” until the screw has fastened the two materials with the head flush with the timber.

NOTE: Ensure a minimum embedment depth of 35mm into installed material as noted in AS 3566.1 – Screw Embedment for withdrawal test.

