bigHead SF2-B20 stainless steel collar product range

Technical Data Sheet

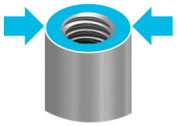
SF2-B20 M4	SF2-B20 M5	SF2-B20 M6	SF2-B20 M8
			

Description

bigHead fastener with an internally threaded collar fixing welded to a blind Ø 20 mm circular perforated Head. Suitable for surface bonding applications requiring a standoff with defined height.

Key features

Blind Head



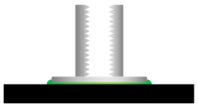
Collar diameter to suit ISO 273 clearance holes

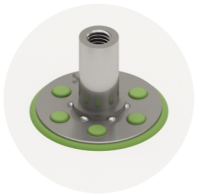
Perforated head design

Shouldered collar geometry

Stainless steel construction, self colour finish

Intended usage





Surface bonding, standoff

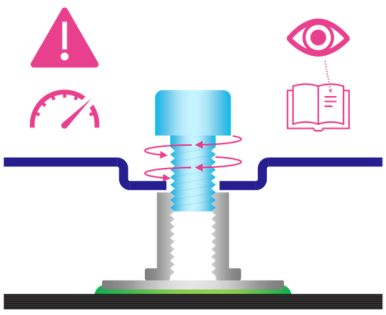
Alternative configurations may be possible using this product.

Please contact bigHead for further advice.

Fastening functionality

Provides an internally threaded connection point for assembling threaded screws and similar secondary fasteners into.

Torque tightening & preload during assembly: these products require specific consideration, please see torque & preload guidance section.



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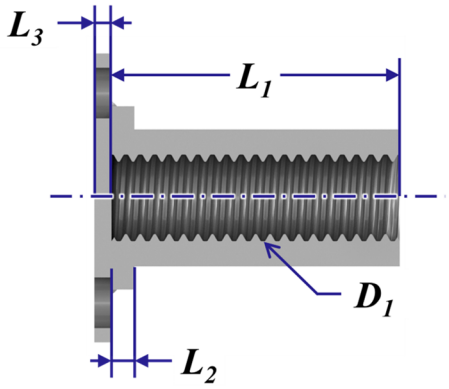
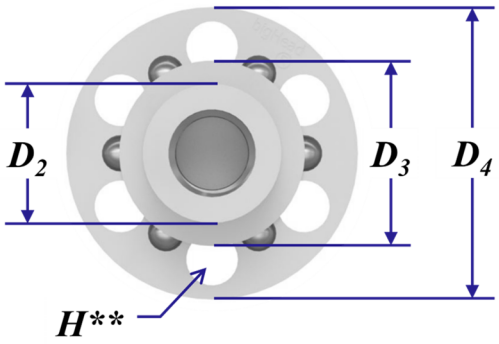
Nominal dimensions (mm)





Product code	D1	D2 (Ø)	D3 (Ø)	D4 (Ø)	L1	L2	L3	Typical min. weight (g)
SF2 B20 M4	M4 x 0.70	6.3	10.0	20	Nominal thread length value	1.6	1.2	5
SF2 B20 M5	M5 x 0.80	9.5	12.7	20		1.6	1.2	7
SF2 B20 M6	M6 x 1.00	9.5	12.7	20		1.6	1.2	7
SF2 B20 M8	M8 x 1.25	11.0	16.0	20		1.6	1.2	8

Common to all:
Thread class: 6H post finish
H** - 6 perforation holes, equally spaced circular array

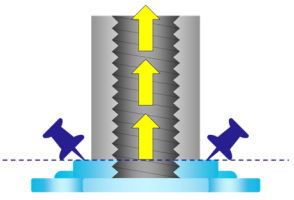
Design & application guidance

Thread size	Tightening torque Max. recommended tightening torque (Nm)	Loadability (Fixing) Max. tensile load or assembly preload (kN)	Loadability (Weld) Max. tensile load or assembly preload (kN)	Clearance holes Max. recommended clearance hole size (mm)
M4	1.4	8.2	5.3	4.5
M5	2.6	13.7	4.7	5.5
M6	4.6	16.0	5.0	6.6
M8	11.2	21.0	4.1	9.0

Valid only for intended usage configuration and system thread friction coefficient of 0.2.

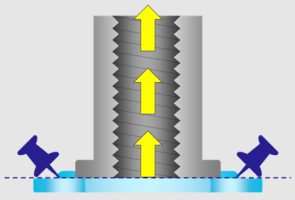
For guidance only - always perform suitable torque/ preload calculation for the intended application/ assembly design, and/ or validate tightening torque values by appropriate applications testing.

Fixing load limit (FLL):



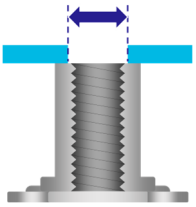
To avoid failure of the bigHead fastener, do not exceed stated loadability limits during in-service mechanical loading or assembly preloading.

Weld load limit (WLL):



bigHead is not liable for failures arising from excessive tensile loading or assembly preloading of their products.

ISO 273 "medium" clearance hole basis.



Please contact bigHead for further guidance if you are unsure about these topics.

Disclaimer

The information within this document is for guidance purposes only and does not constitute a guarantee or warranty of any kind.

bigHead cannot accept liability for performance arising from use of these products.

Always perform appropriate testing and evaluation to determine application suitability.

Illustrations and diagrams are for illustrative purposes only and may differ from actual products.

Further information & contact details

For further information about these products, or for technical support inquiries, please contact us:

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