

Hex Head Set Screw – Hot Dip Galvanised

Fully Threaded Hex Bolt | DIN 933 | Grade 8.8 High Tensile | Hot Dip Galvanised | M6 – M16

Direct Channel Hot Dip Galvanised Hex Head Set Screws are fully-threaded hexagon-head bolts manufactured to DIN 933 from Grade 8.8 high tensile steel. The full thread runs the entire length under the head, giving maximum grip adjustment and a secure fixing for threaded-rod fastening, pipe mounting, channel systems and brackets in external and corrosive environments.

Hot Dip Galvanised (HDG) after manufacture for superior corrosion resistance in external, exposed and high-humidity locations. Because galvanising thickens the thread, this range runs in over-tapped nuts and channel nuts (HDG). Driven with a standard A/F spanner or socket; suits structural steelwork, external framing, HVAC and M&E. Supplied in boxes of 100.

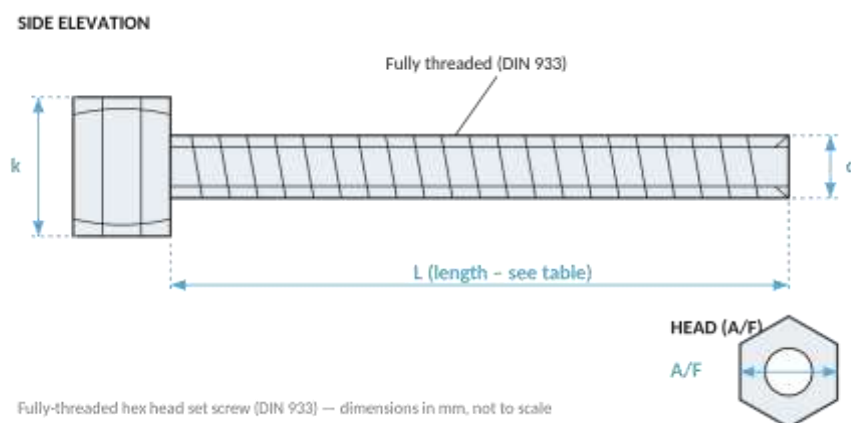
SPECIFICATION

Product Type	Hex head set screw (fully threaded bolt)
Standard	DIN 933
Material	Grade 8.8 high tensile steel
Finish	Hot Dip Galvanised (HDG)
Thread	Metric coarse, M6 – M16
Thread Coverage	Fully threaded
Head	Hexagon head, A/F spanner / socket drive
A/F (across flats)	10 (M6) / 13 (M8) / 17 (M10) / 19 (M12) / 24 (M16) mm
Thread Pitch	1.0 / 1.25 / 1.5 / 1.75 / 2.0 mm (M6–M16)
Lengths	16 – 100 mm (by thread – see Available Sizes)
Compatibility	Over-tapped HDG nuts & channel nuts only — not BZP or stainless
Applications	External framing, structural steelwork, channel & bracketry; HVAC & M&E
Pack	Box of 100 (M16 sold singly)

KEY FEATURES

• Fully threaded to DIN 933	• Standard A/F hex drive
• Grade 8.8 high tensile steel	• Metric coarse thread M6 to M16
• Hot Dip Galvanised — external / corrosive use	• Runs in over-tapped HDG nuts & channel nuts
• Full-length thread — maximum grip adjustment	• Boxed in 100s

TECHNICAL DRAWING



Fully-threaded hex head set screw (DIN 933) — dimensions in mm, not to scale

Fully-threaded hex head set screw (DIN 933) — dimensions in mm, not to scale

AVAILABLE SIZES

Thread	A/F (mm)	Pitch (mm)	Length (mm)	Pack	Code
M6	10	1.0	16	100	HB616G
M6	10	1.0	20	100	HB620G
M6	10	1.0	25	100	HB625G
M6	10	1.0	30	100	HB630G
M6	10	1.0	35	100	HB635G
M6	10	1.0	40	100	HB640G
M6	10	1.0	50	100	HB650G
M8	13	1.25	20	100	HB820G
M8	13	1.25	25	100	HB825G
M8	13	1.25	30	100	HB830G
M8	13	1.25	35	100	HB835G
M8	13	1.25	40	100	HB840G
M8	13	1.25	50	100	HB850G
M10	17	1.5	20	100	HB1020G
M10	17	1.5	25	100	HB1025G
M10	17	1.5	30	100	HB1030G
M10	17	1.5	35	100	HB1035G
M10	17	1.5	40	100	HB1040G
M10	17	1.5	50	100	HB1050G
M12	19	1.75	20	100	HB1220G
M12	19	1.75	25	100	HB1225G
M12	19	1.75	30	100	HB1230G
M12	19	1.75	35	100	HB1235G
M12	19	1.75	40	100	HB1240G
M16	24	2.0	35	1	HB1635G.Q1
M16	24	2.0	50	1	HB1650G.Q1

All screws fully threaded to DIN 933, Grade 8.8, Hot Dip Galvanised. A/F (across flats) and pitch by thread: M6 10 mm / 1.0 mm, M8 13 mm / 1.25 mm, M10 17 mm / 1.5 mm, M12 19 mm / 1.75 mm, M16 24 mm / 2.0 mm. Supplied in boxes of 100; M16 ('.Q1') sold singly. **IMPORTANT:** galvanising thickens the thread — use only with over-tapped HDG nuts and channel nuts (e.g. CNP...G / CNS...G), not BZP or stainless. Also available Bright Zinc Plated (BZP) and A4 stainless.

TYPICAL APPLICATIONS

External & exposed framing	Structural steelwork fixings
Strut & channel framework	HVAC & mechanical support
Infrastructure & plant fixing	Threaded rod fastening (HDG)

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