

Area of Application

Hex head bolts are intended for mounting steel or wooden components together with nuts and washers, or directly in threaded holes together with washers.

Installation

In order for a bolted joint to work correctly and be able to counter static and varying loads for long periods the bolts must be preloaded, for

example, by tightening with a given torque. Preloading must normally be held to such a level that the combined load in the bolt does not exceed the bolt material's tensile yield limit. For the correct installation of hex head bolt grade 8.8 to be correct a flat washer of at least HV200 hardness should be used and it must be tightened with the torque as set out in the Technical data, table 2.



Specification

	Bright zinc plated	Hot dip galvanized	A4-80 Acid proof
Material	Hardened and tempered carbon steel according to ISO 898-1	Hardened and tempered carbon steel according to ISO 898-1	Acid proof steel, SS14 2347
Surface treatment	According to ISO 4042 5-15µm	ISO 4014/4017 25-45µm	
Corrosion categories	C1	C3	C4

Hex head bolt, fully/partly threaded. DIN 931/933. ISO 4014/4017. Bright zinc plated

ESSBOX

Item no.	Dimension mm	Fully/partly threaded	Thread length mm	Key width mm	ESSBOX size	Qty/pack.
61069171	M6×16	H	16	10	102	50
61069188	M6×20	H	20	10	102	50
61069195	M6×25	H	25	10	102	50
61068679	M6×30	D	18	10	202	50
61068686	M6×40	D	18	10	202	50
61068693	M6×50	D	18	10	202	50
61068709	M6×60	D	18	10	202	50
61068716	M6×70	D	18	10	202	50
61068723	M6×80	D	18	10	203	50
61068725	M6×100	D	18	10	203	50
61068727	M6×120	D	18	10	204	50
61069201	M8×16	H	16	13	202	50
61069218	M8×20	H	20	13	202	50
61069225	M8×25	H	25	13	202	50
61069232	M8×30	H	30	13	202	50
61068730	M8×40	D	22	13	202	50
61068747	M8×50	D	22	13	203	50
61068754	M8×60	D	22	13	203	50
61068761	M8×70	D	22	13	204	50
61068778	M8×80	D	22	13	204	25
61068785	M8×100	D	22	13	204	25
61068792	M8×120	D	22	13	204	25
61069249	M10×25	H	25	17	202	50
61068808	M10×30	D	30	17	203	50
61068815	M10×40	D	26	17	203	50
61068822	M10×50	D	26	17	204	50
61068839	M10×60	D	26	17	204	50
61068841	M10×70	D	26	17	203	25
61068846	M10×80	D	26	17	203	25
61068853	M10×100	D	26	17	204	25
61068860	M10×120	D	26	17	204	25
61068862	M10×130	D	32	17	204	25
61068864	M10×150	D	32	17	204	25
61068868	M10×180	D	32	17	206	25
61069256	M12×20	H	20	19	203	25



Item no.	Dimension mm	Fully/partly threaded	Thread length mm	Key width mm	ESSBOX size	Qty/pack.
61069263	M12×30	H	30	19	203	25
61069270	M12×40	H	40	19	203	25
61068877	M12×50	D	30	19	203	25
61068884	M12×60	D	30	19	204	25
61068886	M12×70	D	30	19	204	25
61068891	M12×80	D	30	19	204	25
61068907	M12×100	D	30	19	204	20
61068914	M12×120	D	30	19	204	20
61068916	M12×150	D	36	19	204	20
61068918	M12×180	D	36	19	206	20
61068920	M12×200	D	49	19	206	20
61069287	M16×50	H	50	24	203	10
61069294	M16×60	H	38	24	203	10
61068921	M16×70	D	38	24	203	10
61068938	M16×80	D	38	24	203	10
61068945	M16×100	D	38	24	203	10
61068952	M16×120	D	38	24	204	10