

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. A4-80 acid proof

ESSBOX

Item no.	Dimension mm	Fully/partly threaded	Thread length mm	Key width mm	ESSBOX size	Qty/pack.
61091101	M6×12	H	12	10	102	50
61091103	M6×16	H	16	10		
61091105	M6×20	H	20	10		
61091107	M6×25	H	25	10	102	50
61091109	M6×30	D	18	10	202	50
61091111	M6×35	D	18	10	202	50
61091113	M6×40	D	18	10	202	50
61091115	M6×45	D	18	10	202	50
61091117	M6×50	D	18	10	202	50
61091119	M6×60	D	18	10	202	50
61091121	M8×12	H	12	13	202	50
61091123	M8×16	H	16	13	202	50
61091125	M8×20	H	20	13		
61091127	M8×30	H	30	13	202	50
61091129	M8×40	D	22	13	202	50
61091131	M8×45	D	22	13	203	50
61091133	M8×50	D	22	13	203	50
61091135	M8×55	D	22	13	203	50
61091137	M8×60	D	22	13	203	50
61091139	M8×65	D	22	13	203	50
61091141	M8×70	D	22	13	204	50
61091143	M8×75	D	22	13	204	25
61091145	M8×80	D	22	13	204	25
61091147	M8×90	D	22	13	204	25
61091163	M10×20	H	20	17	202	50
61091165	M10×30	H	30	17		
61091151	M10×40	D	26	17	203	50
61091153	M10×50	D	26	17	204	50
61091155	M10×60	D	26	17	204	50
61091157	M10×70	D	26	17	204	50
61091159	M10×80	D	26	17	203	25
61091161	M10X90	D	26	17	203	25
61091149	M10×100	D	26	17	204	25

