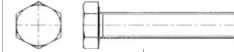


Product Range: Screws & Bolts

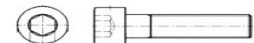
HEXAGON HEAD BOLTS (A2-70/A4-70) (F593C[D]/F593G[H])



DIN933-1987(FT)		DIN931-1987(PT)		ASME B18.2.1-2012		JIS B1180-1994 TYPE 1	
M5-0.8	10 - 50 mm	M6-1.0	30 - 150 mm	Full thread		Full thread	
M6-1.0	10 - 120 mm	M8-1.25	35 - 150 mm	1/4"-20	1/2" - 6"	M6-1.0	10 - 100 mm
M8-1.25	12 - 150 mm	M10-1.5	40 - 300 mm	5/16"-18	1/2" - 6"	M8-1.25	10 - 100 mm
M10-1.5	16 - 150 mm	M12-1.75	45 - 300 mm	3/8"-16	1/2" - 6"	M10-1.5	15 - 150 mm
M12-1.75	20 - 150 mm	M14-2.0	50 - 150 mm	7/16"-14	3/4" - 6"	M12-1.75	16 - 150 mm
M14-2.0	25 - 100 mm	M16-2.0	50 - 300 mm	1/2"-13	3/4" - 6"	M14-2.0	25 - 100 mm
M16-2.0	25 - 150 mm	M18-2.5	60 - 150 mm	5/8"-11	1" - 6"	M16-2.0	30 - 150 mm
M18-2.5	35 - 100 mm	M20-2.5	60 - 200 mm	3/4"-10	1-1/4" - 6"	M20-2.5	30 - 150 mm
M20-2.5	40 - 150 mm	M22-2.5	75 - 200 mm	Partial thread		M22-2.5	50 - 100 mm
M22-2.5	50 - 100 mm	M24-3.0	80 - 200 mm	1/4"-20	1-1/4" - 6"	M24-3.0	50 - 150 mm
M24-3.0	50 - 150 mm			5/16"-18	1-3/8" - 6"		
				3/8"-16	1-1/2" - 12"	Partial thread	
				7/16"-14	1-3/4" - 12"	M8-1.25	35 - 150 mm
				1/2"-13	1-7/8" - 12"	M10-1.5	35 - 300 mm
				5/8"-11	2-1/4" - 12"	M12-1.75	40 - 300 mm
				3/4"-10	2-3/4" - 8"	M14-2.0	45 - 150 mm
						M16-2.0	65 - 300 mm
						M20-2.5	60 - 300 mm
						M22-2.5	60 - 200 mm
						M24-3.0	55 - 200 mm

DIN 933 A4-80 is available from M6-M20
 DIN 931 A4-80 is available from M6-M24
 DIN 933 & DIN 931 A2-80 is available from M6 - M24
 ISO 4017 : M10 M12
 ISO 4014 : M10 M12

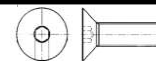
SOCKET HEAD CAP SCREWS (A2-70/A4-70)(F837B/F837E)



DIN912-1983 FT		DIN912-1983 PT		ASME B18.3-2012(Socket head)		JIS 1176-2000 TYPE 1	
M5-0.8	12 - 25 mm	M6- 1.0	35 - 100 mm	Full thread		Full thread	
M6- 1.0	12 - 30 mm	M8- 1.25	40 - 100 mm	1/4"-20	1/2 - 1-3/8"	M6- 1.0	16 - 30 mm
M8- 1.25	12 - 35 mm	M10-1.5	45 - 100 mm	5/16"-18	1/2 - 1-1/2"	M8- 1.25	16 - 35 mm
M10-1.5	16 - 40 mm	M12-1.75	55 - 100 mm	3/8"-16	5/8 - 1-1/2"	M10-1.5	20 - 40 mm
M12-1.75	20 - 50 mm	M16-2.0	65 - 130 mm	1/2"-13	3/4 - 2"	M12-1.75	20 - 50 mm
M16-2.0	25 - 60 mm			Partial thread		Partial thread	
				1/4"-20	1-1/2" - 4"	M6- 1.0	35 - 80 mm
				5/16"-18	1-3/4" - 4"	M8- 1.25	40 - 90 mm
				3/8"-16	1-3/4" - 4"	M10-1.5	45 - 100 mm
				1/2"-13	2-1/4" - 4"	M12-1.75	55 - 100 mm
						M16-2.0	30 - 60 mm

DIN 912 with serration underhead is available.
 DIN 912 A4-80 available from M6 -M16
 DIN 912 A2-80 available from M5 -M12

Product Range: Screws & Bolts



ISO 10642 FLAT SOCKET HEAD SCREW A2/A2-070 & A4/A4-070

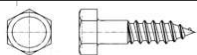
Full thread		Partial thread	
M6-1.0	16mm - 35mm	M6-1.0	40mm - 70mm
M8-1.25	16mm - 45mm	M8-1.25	50mm - 100mm
M10-1.5	20mm - 50mm	M10-1.5	55mm - 100mm
M12-1.75	25mm - 60mm	M12-1.75	65mm - 100mm



ISO 7380 BUTTON SOCKET HEAD SCREW A2/A2-070 & A4/A4-070 (FULL THREAD)

Full thread (Type 1)		Full thread (Type 2 - with collar)	
M6-1.0	12mm - 50mm	M6-1.0	12mm - 50mm
M8-1.25	16mm - 50mm	M8-1.25	16mm - 50mm
M10-1.5	20mm - 50mm		
M12-1.75	20mm - 50mm		

DIN 571



HEXAGON HEAD WOOD SCREW A2-70 (HALF THREAD)

M6	30mm - 100mm
M8	30mm - 150mm
M10	40mm - 150mm
M12	40mm - 150mm

Flange bolts

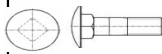


DIN 6921 (FULL THREAD)

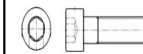
M6-1.0	16mm - 50mm
M8-1.25	16mm - 50mm
M10-1.5	20mm - 50mm
M12-1.75	20mm - 50mm

with serration and without serration

CARRIAGE BOLTS (304/316)



Hex Socket Thin Head Cap Screw



DIN 603		ASME B18.5 (UNC)		DIN 7984			
Full thread		Full thread		Full thread		Partial thread	
M6-1.0	16mm - 100mm	1/4-20	1/2" - 4"	M6-1.0	16mm - 25mm	M6-1.0	30mm - 60mm
M8-1.25	16mm - 110mm	5/16-18	1/2" - 6"	M8-1.25	16mm - 30mm	M8-1.25	35mm - 75mm
M10-1.5	20mm - 150mm	3/8-16	1/2" - 6"	M10-1.5	20mm - 35mm	M10-1.5	40mm - 80mm
M12-1.75	30mm - 150mm	1/2-13	3/4" - 6"				

Product Range: NUTS

DIN934 - 1987 Hexagon Nuts, Coarse Thread				JIS B1181 - 1993 Hexagon Nuts		
A2 -70/80 & A4-70/80				S/Chamfered Type 1	D/Chamfered Type 2	BSW (Single Chamfered)
M6-1.0				M6-1.0	M6-1.0	1/4"-20
M8-1.25				M8-1.25	M8-1.25	5/16"-18
M10-1.5				M10-1.5	M10-1.5	3/8"-16
M12-1.75				M12-1.75	M12-1.75	1/2"-13
M14-2.0				M14-2.0	M16-2.0	5/8"-11
M16-2.0				M16-2.0	M20-2.5	3/4"-10
M18-2.5				M18-2.5		
M20-2.5				M20-2.5		
M22-2.5				M22-2.5		
M24-3.0				M24-3.0		
DIN6923 -1983 Hexagon Flange Nuts (Serration) 				ISO4032 Hexagon Nuts Coarse Thread		
A2-70				A2 -70/80 & A4-70/80		
M6-1.0				M6-1.0		
M8-1.25				M8-1.25		
M10-1.5				M10-1.5		
				M12-1.75		
				M16-2.0		
				M20-2.5		
HEX.NUTS ANSI B 18.2.2 (UNC) 304/316				HEX.NUTS ANSI B 18.2.2 (HEAVY) 304/316		
304/316				304/316		
1/4"-20				1/4"-20		
5/16"-18				5/16"-18		
3/8"-16				3/8"-16		
7/16"-14				1/2"-13		
1/2"-13				5/8"-11		
5/8"-11				3/4"-10		
3/4"-10				7/8"-9		
7/8"-9						
1" -8						

