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ASTM A453 Grade 660 Hex Bolts

Class A/B/C/D

ASTM A453 Grade 660 Hex Bolts Class A, B, C & D offered at TorqBolt are manufactured in accordance with ISO 4014, ISO 4017, ASME B18.2.3M, ASME B18.2.1 standards in metric and imperial coarse and fine thread sizes with UNC, UN, UNF, UNEF, UNJF & ISO threads.

ASTM A453 Grade 660 Hex Bolts Class

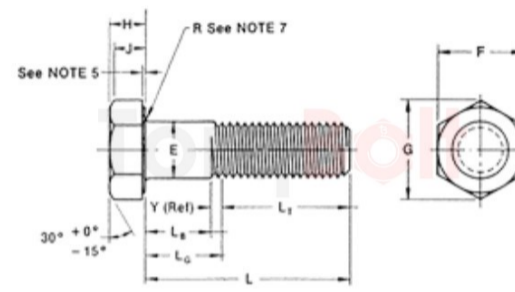
CLASS A HEX BOLTS

CLASS B HEX BOLTS

CLASS C HEX BOLTS

CLASS D HEX BOLTS

Dimensions of Hex Bolts in mm - ANSI/ASME 18.2.1



Dimensions of Hex Bolts

Nominal Size	E		F		G		H		LT		Y
	Body		Width		Width		Height		Thread Length		
	Diameter		Across Flats		Across Corners				up to 6"	over 6"	
	min	max	min	max	min	max	min	max	basic	basic	
1/4	6,00	6,60	10,80	11,10	12,80	12,30	3,80	4,80	19,00	25,40	-
5/16	7,60	8,20	12,30	12,70	14,70	14,00	5,00	6,00	22,20	28,60	-
3/8	9,10	9,90	13,80	14,30	16,50	15,70	5,70	6,80	25,40	31,80	-
7/16	10,70	11,50	15,30	15,90	18,30	17,40	6,90	8,00	28,60	64,90	-

Dimensions of Hex Bolts - DIN 931 - DIN 933

Nominal Size	E		F		G		H		LT		
	Body		Width		Width		Height		Thread Length		
	Diameter		Across Flats		Across Corners				up to 120	op to 200	over 200
	min	max	min	max	min	max	min	max			
M 6	5,82	6,00	9,78	10,00	11,05	11,05	3,85	4,00	18	24	
M 8	7,78	8,00	12,57	13,00	14,38	14,38	5,06	5,54	22	28	
M 10	9,78	10,00	16,57	17,00	18,90	18,90	6,11	6,69	26	32	45
M 12	11,73	12,00	18,48	19,00	21,10	21,10	7,21	7,79	30	36	49
M 14	13,73	14,00	21,16	22,00	24,49	24,49	8,51	9,09	34	40	53
M 16	15,73	16,00	23,16	24,00	26,75	26,75	9,71	10,29	38	44	57
M 18	17,73	18,00	26,16	27,00	30,14	30,14	11,15	11,85	42	48	61
M 20	19,67	20,00	29,16	30,00	33,53	33,53	12,15	12,85	46	52	65
M 22	21,67	22,00	31,00	32,00	35,72	35,72	13,65	14,35	50	56	69
M 24	23,67	24,00	35,00	36,00	39,98	39,98	14,65	15,35	54	60	73
M 27	26,48	27,00	40,00	41,00	45,20	45,20	16,65	17,35	60	66	79
M 30	29,48	30,00	45,00	46,00	50,85	50,85	18,28	19,12	66	72	85
M 33	32,38	33,00	49,00	50,00	55,37	55,37	20,58	21,42	72	78	91
M 36	35,38	36,00	53,80	55,00	60,79	60,79	22,80	22,92	78	84	97
M 39	38,38	39,00	58,80	60,00	66,44	66,44	24,58	25,42	84	90	103
M 42	41,38	42,00	63,10	65,00	71,30	71,30	25,58	26,42	90	96	109
M 45	44,38	45,00	66,10	70,00	76,95	76,95	27,58	28,42	96	102	115
M 48	47,38	48,00	73,10	75,00	82,60	82,60	29,58	30,42	102	108	121
M 52	51,26	52,00	78,10	80,00	88,25	88,25	32,50	33,50	116	122	129

Download PDF Standard



ASTM A453 Grade 660 Hex Bolts Dimensional Standards

Bolts	DIN	ISO	BS	ASME		IS
				Metric	Imperial	

0091-22-66157017

info@torqbolt.com

Hex Bolts	931	4014 / 4016 / 4017 / 8765	1083 / 3692	B18.2.3.10M / B18.2.3.5M	B18.2.1	12427 / 1363 PART 1 / 1363 PART 2 / 1364 / 6639
Hex Flange Bolts	6921 / 6921	15071 / 4162 / 8100 / 8102				15582

Specifications

ASTM A453
 ASTM A638
 EN 10269
 EN 10083-3
 ISO 3506-5
 DIN 267

Surface Treatments

Xylan 1070 / 1014 / 1400 / 1424
 Xylar 2 / 101
 SermaGard 1105 / 1280
 Dacromet 320 / 500
 TakeCoat 1000 Ceramic
 Magnigard
 MolyKote

Certifications

ISO 9001 - 2015 Certified
 PED 2014/68/EC
 API 6A ; API 20E; API 20F
 NACE MR0175/ISO 15156-2
 NORSOK M-650
 DFAR
 MERKBLATT AD 2000 W2/W7/W10

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