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# ASTM A453 Grade 660 Socket Head Cap Screws

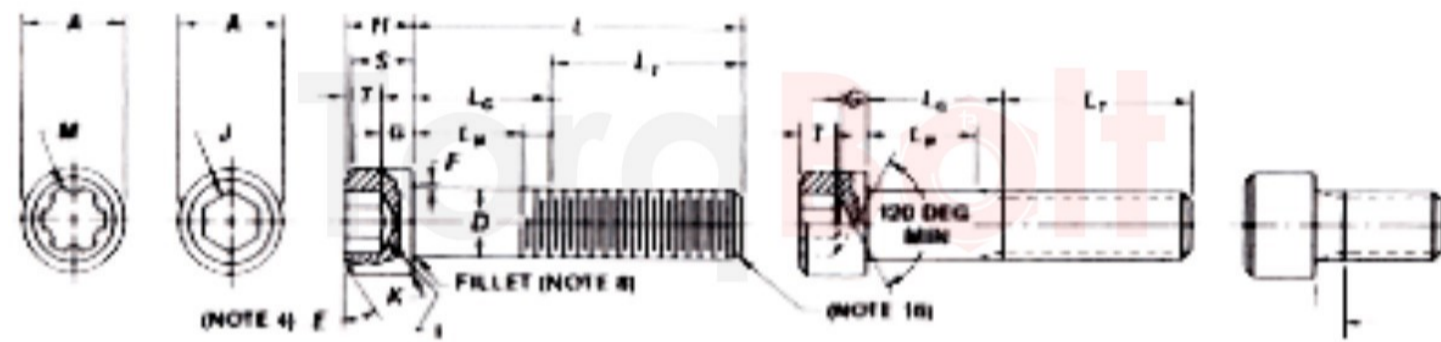
Class A/B/C/D

**ASTM A453 Grade 660 Socket Head Cap Screws** Class A, B, C & D offered at TorqBolt are manufactured in accordance with DIN 912, 6912, 7984, ISO 4762, BS 2470, BS 4168, ASME B18.3.1M, B18.3, IS 6760 standards in metric and imperial coarse and fine thread sizes with UNC, UN, UNF, UNEF, UNJF & ISO threads.

## ASTM A453 Grade 660 Socket Screws Class

- CLASS A SOCKET SCREWS
- CLASS B SOCKET SCREWS
- CLASS C SOCKET SCREWS
- CLASS D SOCKET SCREWS

## Dimensions Of Socket Head Cap Screws in mm - ANSI/ASME B18.3



Nominal Size	D		A		H		C	J	T	LT
	Body		Head		Head					
	Diameter		Diameter		Height					
	min	max	min	max	min	max				
1/4	6,18	6,35	9,27	9,53	6,20	6,35	0,64	4,78	3,05	25,40
5/16	7,57	7,94	11,61	11,91	7,77	7,92	0,84	6,35	3,84	28,40
3/8	9,14	9,53	13,97	14,27	9,35	9,53	1,02	7,92	4,62	31,80
7/16	10,69	11,11	16,31	16,66	10,92	11,13	1,19	9,53	5,41	35,10
1/2	12,24	13,08	18,67	19,05	12,50	12,70	1,40	9,53	6,22	38,10
9/16	14,07	14,29	21,01	21,41	14,07	14,27	1,57	11,10	7,01	38,10
5/8	15,37	16,31	23,39	23,83	15,65	15,88	1,78	12,70	7,80	44,50
3/4	18,52	19,51	28,12	28,58	18,80	19,05	2,16	15,88	9,40	50,80
7/8	21,64	22,73	32,84	33,32	21,95	22,23	2,54	19,05	10,97	57,20
1	24,79	25,96	37,57	38,10	25,10	25,40	2,90	19,05	12,57	63,50
1 1/8	27,89	29,18	42,29	42,88	28,22	28,58	3,28	22,23	14,15	71,40
1 1/4	31,06	32,44	47,04	47,63	31,39	31,75	3,66	22,23	15,75	79,20
1 3/8	34,16	35,66	51,77	52,37	34,54	34,93	4,06	25,40	17,32	87,40
1 1/2	37,34	38,89	56,49	57,15	37,72	38,10	4,47	25,40	18,92	95,30
1 3/4	43,59	45,34	65,96	66,68	44,04	44,45	5,26	31,75	22,10	111,30
2	49,89	51,79	75,44	76,20	50,37	50,80	6,05	38,10	25,27	127,00
2 1/4	56,24	58,55	84,94	85,73	56,69	57,15	6,83	44,45	28,45	142,70
2 1/2	62,51	65,00	94,41	95,25	63,02	63,50	7,62	44,45	31,62	158,80
2 3/4	68,86	71,81	103,89	104,78	69,34	69,85	8,43	50,80	34,80	174,80
3	75,21	78,26	113,39	114,30	75,67	76,20	9,22	57,15	37,97	190,50

## Dimensions Of Socket Head Cap Screws DIN 912

Nominal Size	D		A		H		J		T	LT
	Body		Head		Head		Hex Socket			
	Diameter		Diameter		Height		Size			
	min	max	min	max	min	max	min	max		
M 6	5,82	6,00	9,78	10,00	5,70	6,00	5,02	5,14	3,00	30
M 8	7,78	8,00	12,73	13,00	7,64	8,00	6,02	6,14	4,00	35
M 10	9,78	10,00	15,73	16,00	9,64	10,00	8,03	8,18	5,00	40
M 12	11,73	12,00	17,73	18,00	11,57	12,00	10,03	10,18	6,00	50
M 14	13,73	14,00	20,67	21,00	13,57	14,00	12,03	12,21	7,00	55
M 16	15,73	16,00	23,67	24,00	15,57	16,00	14,03	14,21	8,00	60
M 18	17,73	18,00	26,67	27,00	17,57	18,00	14,03	14,21	9,00	65
M 20	19,67	20,00	29,67	30,00	19,48	20,00	17,05	17,23	10,00	70
M 22	21,67	22,00	32,61	33,00	21,48	22,00	17,05	17,23	11,00	70

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M 24	23,67	24,00	35,61	36,00	23,48	24,00	19,07	19,28	12,00	80
M 27	26,67	27,00	39,61	40,00	26,48	27,00	19,07	19,28	13,50	90
M 30	29,67	30,00	44,61	45,00	29,48	30,00	22,07	22,28	15,50	100
M 33	32,61	33,00	49,61	50,00	32,38	33,00	24,07	24,28	18,00	100
M 36	35,61	36,00	53,54	54,00	35,38	36,00	27,07	27,28	19,00	110
M 39	38,61	39,00	57,54	58,00	38,38	39,00	27,07	27,28	21,00	120
M 42	41,61	42,00	62,54	63,00	41,38	42,00	32,08	32,33	24,00	130
M 45	44,61	45,00	66,54	67,00	44,38	45,00	32,08	32,33	26,00	140
M 48	47,61	48,00	71,54	72,00	47,38	48,00	36,08	36,33	28,00	150
M 52	51,54	52,00	77,48	78,00	51,26	52,00	36,08	36,33	31,00	150

## ASTM A453 Grade 660 Socket Head Cap Screws Dimensional Standards

Screws	DIN	ISO	BS	ASME		IS	NFE	UNI
				Metric	Imperial			
Hexagon Socket Head Cap Screws	-	-	4168	-	-	6760	-	-
Low Head Socket Cap Screws	6912 / 7984	-	-	-	-	-	-	-
Socket Cap Screws	912 / 912	4762	2470	B18.3.1M	-	-	-	-
Spline Socket Button Head Cap Screws	-	-	-	-	B18.3	-	-	-
Spline Socket Flat Countersunk Head Cap Screws	-	-	-	-	B18.3	-	-	-
Spline Socket Head Cap Screws	-	-	-	-	B18.3	-	-	-

### 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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