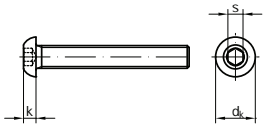
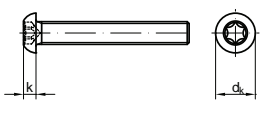
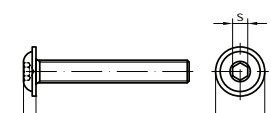
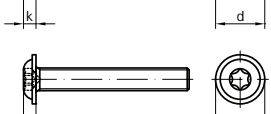
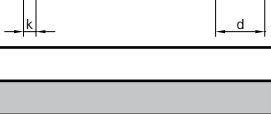
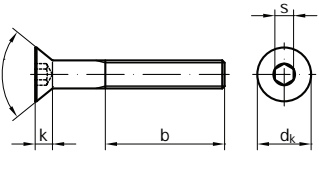
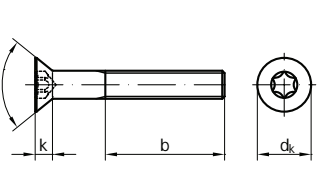

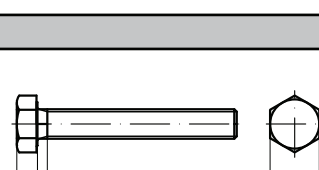
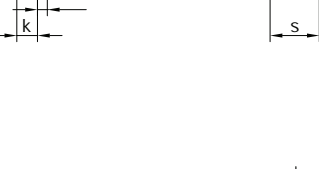
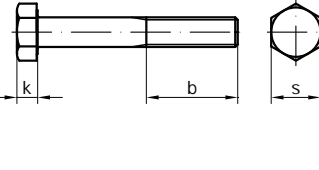


Dimensions for screws and bolts



Hexagon and hexalobular socket screws

ISO	Dimensions	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 16	
7380		d _k	5.7	7.6	9.5	10.5	14	17.5	21	28
		d _c	6.65	8.85	11.2	13	17.1	21	23.6	-
		k	1.65	2.2	2.75	3.3	4.4	5.5	6.6	8.8
~7380		s	2	2.5	3	4	5	6	8	10
		TORX size	T10	T20	T25	T30	T40	T50	T50	-

ISO	Dimensions	M 3	M 4	M 5	M 6	M 8	M 10	
10642		d _k	6.72	8.96	10.2	13.44	17.92	22.4
		k _{max}	1.86	2.48	3.1	3.72	4.96	6.2
		s	2	2.5	3	4	5	6
		TORX size	-	T20	T25	T30	T40	-
		a	90°	90°	90°	90°	90°	90°
		b	18	20	22	24	28	32
	Dimensions	M 12	M 14	M 16	M 20	M 22*	M 24*	
	d _k	26.8	30.88	33.6	40.32	36	39	
	k _{max}	7.44	8.4	8.8	10.16	13.1	14	
	s	8	10	10	12	14	14	
	TORX size	-	-	-	-	-	-	
	a	90°	90°	90°	90°	60°	60°	
	b	36	40	44	52	56	60	

* acc. to DIN 7991

Hexagon screws/bolts

DIN (ISO)	Dimensions	M 2	M 3	M 4	M 5	M 6	M 7	M 8	M 10	M 12
558 (4018) 933 (4017) 961 (8676)	s _{DIN / ISO}	4	5.5	7	8	10	11	13	17 / 16	19 / 18
	k	1.4	2	2.8	3.5	4	4.8	5.3	6.4	7.5
	a _{max}	1.2	1.5	2.1	2.4	3	3	3.75	4.5	5.25
	b ₁	10	12	14	16	18	20	22	26	30
	b ₂	-	-	-	22	24	26	28	32	36
	b ₃	-	-	-	-	-	-	-	45	49
	Dimensions	M 14	M 16	M 18	M 20	M 22	M 24	M 27	M 30	M 33
601 (4016) 931 (4014) 960 (8765)	s _{DIN / ISO}	22 / 21	24	27	30	32 / 34	36	41	46	50
	k	8.8	10	11.5	12.5	14	15	17	18.7	21
	a _{max}	6	6	7.5	7.5	7.5	9	9	10.5	10.5
	b ₁	34	38	42	46	50	54	60	66	72
	b ₂	40	44	48	52	56	60	66	72	78
	b ₃	53	57	61	65	69	73	79	85	91
	Dimensions	M 36	M 39	M 42	M 45	M 48	M 52	M 56	M 64	
	s _{DIN / ISO}	55	60	65	70	75	80	85	95	
	k	22.5	25	26	28	30	33	35	40	
	a _{max}	12	12	13.5	13.5	15	15	16.5	18	
	b ₁	78	84	90	96	102	-	-	-	
	b ₂	84	90	99	102	108	116	124	140	
	b ₃	97	103	109	115	121	129	137	153	

b₁) for l ≤ 125 mm
 b₂) for 125 mm < l ≤ 200 mm
 b₃) for l > 200 mm