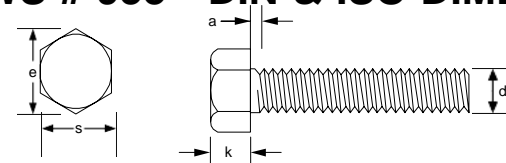


FULL THREAD HEXAGON HEAD SCREWS # 933 - DIN & ISO DIMENSIONS

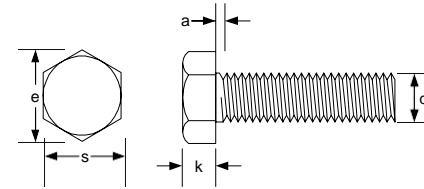
Ref: DIN 933 - 1987



Dimensions in mm.

NOM. THREAD DIAMETER (d)	M 3	M 4	M 5	M 6	(M 7)	M 8	M 10	M 12	M 14	M 16	(M 18)	M 20	(M 22)	M 24	(M 27)	M 30	(M 33)	M 36	(M 39)	M 42	(M 45)	M 48
THREAD PITCH (coarse)	0.5	0.7	0.8	1	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5	3.5	4	4	4.5	4.5	5
a max.	1.5	2.1	2.4	3	3	3.75	4.5	5.25	6	6	7.5	7.5	7.5	9	9	10.5	10.5	12	12	13.5	13.5	15
washer face min.	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
washer face max.	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1	1	1	1
e min.	6.01	7.66	8.79	11.05	12.12	14.38	18.9	21.1	24.49	26.75	30.14	33.53	35.72	39.98	45.2	50.85	55.37	60.79	66.44	71.3	76.95	82.60
Nom. Dimensions	2	2.8	3.5	4	4.8	5.3	6.4	7.5	8.8	10	11.5	12.5	14	15	17	18.7	21	22.5	25	26	28	30
k min.	1.88	2.68	3.35	3.85	4.65	5.15	6.22	7.32	8.62	9.82	11.28	12.28	13.78	14.78	16.65	18.28	20.58	22.08	24.58	25.58	27.58	29.58
k max.	2.12	2.92	3.65	4.15	4.95	5.45	6.56	7.68	8.98	10.18	11.72	12.72	14.22	15.22	17.35	19.12	21.42	22.92	25.43	26.42	28.42	30.42
Max. = Nom. Dimensions	5.5	7	8	10	11	13	17	19	22	24	27	30	32	36	41	46	50	55	60	65	70	75
s min.	5.32	6.78	7.78	9.78	10.73	12.73	16.73	18.67	21.67	23.67	26.67	29.67	31.61	35.38	40	45	49	53.8	58.8	63.1	68.1	73.1

Ref: ISO 4017-1979



Dimensions in mm

NOM. THREAD DIAMETER (d)	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	(M 18)	M 20	(M 22)	M 24	(M 27)	M 30	(M 33)	M 36	(M 39)	M 42	(M 45)	M 48
THREAD PITCH (coarse)	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5	3.5	4	4	4.5	4.5	5
a max.	1.5	2.1	2.4	3	3.75	4.5	5.25	6	6	7.5	7.5	7.5	9	9	10.5	10.5	12	12	13.5	13.5	15
washer face min.	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2
washer face max.	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1	1	1	1	0.8
e min.	6.01	7.66	8.79	11.05	14.38	17.77	20.03	23.35	26.75	30.14	33.53	35.72	39.98	45.2	50.85	55.37	60.79	66.44	71.3	76.95	82.60
Nom. Dimensions	2	2.8	3.5	4	5.3	6.4	7.5	8.8	10	11.5	12.5	14	15	17	18.7	21	22.5	25	26	28	30
k min.	1.88	2.68	3.35	3.85	5.15	6.22	7.32	8.62	9.82	11.28	12.28	13.78	14.78	16.65	18.28	20.58	22.08	24.58	25.58	27.58	29.58
k max.	2.12	2.92	3.65	4.15	5.45	6.58	7.68	8.98	11.72	10.18	14.22	12.72	17.35	15.22	21.42	19.12	25.43	26.42	28.42	30.42	22.92
s max.	5.5	7	8	10	13	16	18	21	27	24	32	30	41	36	50	46	60	65	70	75	55
s min.	5.32	6.78	7.78	9.78	12.73	15.73	17.73	20.67	26.67	23.67	31.61	29.67	40	35.38	49	45	58.8	63.1	68.1	73.1	53.8

Comparison Chart on ISO/DIN standards across flat size differences

	M 10		M 12		M 14	
Thread Diameter	Max.	Min.	Max.	Min.	Max.	Min.
ISO mm	16	15.73	18	17.73	21	20.67
DIN mm	17	16.73	19	18.67	22	21.67

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