Products mentioned in this technical documentation are available from MARYLAND METRICS P.O. Box 261 Owings Mills, MD 21117 USA
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Standards conversion

Table 5: Comparison DIN : ISO **– Wrench sizes for screws and nuts with standard wrench sizes**
– Nut heights

Nominal size d	Wrench size s		Nut height m min – max				
(sizes to be avoided as much as possible)	DIN	ISO	DIN 555	ISO 4034 ISO type 1	DIN 934	ISO 4032 (RG) 8673 (FG) ISO type 1	ISO 4033 (RG) ISO type 2
M 1	2.5		–	–	0.55 – 0.8	–	–
M 1, 2	3		–	–	0.75 – 1	–	–
M 1, 4	3		–	–	0.95 – 1.2	–	–
M 1, 6	3.2		–	–	1.05 – 1.3	1.05 – 1.3	–
M 2	4		–	–	1.35 – 1.6	1.35 – 1.6	–
M 2.5	5		–	–	1.75 – 2	1.75 – 2	–
M 3	5.5		–	–	2.15 – 2.4	2.15 – 2.4	–
(M 3.5)	6		–	–	2.55 – 2.8	2.55 – 2.8	–
M 4	7		–	–	2.9 – 3.2	2.9 – 3.2	–
M 5	8		3.4 – 4.6	4.4 – 5.6	3.7 – 4	4.4 – 4.7	4.8 – 5.1
M 6	10		4.4 – 5.6	4.6 – 6.1	4.7 – 5	4.9 – 5.2	5.4 – 5.7
(M 7)	11		–	–	5.2 – 5.5	–	–
M 8	13		5.75 – 7.25	6.4 – 7.9	6.14 – 6.5	6.44 – 6.8	7.14 – 7.5
M 10	17	16	7.25 – 8.75	8 – 9.5	7.64 – 8	8.04 – 8.4	8.94 – 9.3
M 12	19	18	9.25 – 10.75	10.4 – 12.2	9.64 – 10	10.37 – 10.8	11.75 – 12
(M 14)	22	21	–	12.1 – 13.9	10.3 – 11	12.1 – 12.8	13.4 – 14.1
M 16	24		12.1 – 13.9	14.1 – 15.9	12.3 – 13	14.1 – 14.8	15.7 – 16.4
(M 18)	27		–	15.1 – 16.9	14.3 – 15	15.1 – 15.8	–
M 20	30		15.1 – 16.9	16.9 – 19	14.9 – 16	16.9 – 18	19 – 20.3
(M 22)	32	34	17.1 – 18.9	18.1 – 20.2	16.9 – 18	18.1 – 19.4	–
M 24	36		17.95 – 20.05	20.2 – 22.3	17.7 – 19	20.2 – 21.5	22.6 – 23.9
(M 27)	41		20.95 – 23.05	22.6 – 24.7	20.7 – 22	22.5 – 23.8	–
M 30	46		22.95 – 25.05	24.3 – 26.4	22.7 – 24	24.3 – 25.6	27.3 – 28.6
(M 33)	50		24.95 – 27.05	27.4 – 29.5	24.7 – 26	27.4 – 28.7	–
M 36	55		27.95 – 30.05	28 – 31.5	27.4 – 29	29.4 – 31	33.1 – 34.7
(M 39)	60		29.75 – 32.25	31.8 – 34.3	29.4 – 31	31.8 – 33.4	–
M 42	65		32.75 – 35.25	32.4 – 34.9	32.4 – 34	32.4 – 34	–
(M 45)	70		34.75 – 37.25	34.4 – 36.9	34.4 – 36	34.4 – 36	–
M 48	75		36.75 – 39.25	36.4 – 38.9	36.4 – 38	36.4 – 38	–
(M 52)	80		40.75 – 43.25	40.4 – 42.9	40.4 – 42	40.4 – 42	–
M 56	85		43.75 – 46.25	43.4 – 45.9	43.4 – 45	43.4 – 45	–
(M 60)	90		46.75 – 49.25	46.4 – 48.9	46.4 – 48	46.4 – 48	–
M 64	95		49.5 – 52.5	49.4 – 52.4	49.1 – 51	49.1 – 51	–
Nut height factor		≤ M 4	–	–		0.8	–
Nut height m / Nominal thread diameter M		M 5 – M 39	0.8	0.83 – 1.12	0.8	0.84 – 0.93	0.93 – 1.03
		≥ M 42		~0.8		0.8	–
Product class			C (coarse)		≤ M 16 = A (medium) > M 16 = B (medium coarse)		
Thread tolerance			7 H		6 H		
Property class **Steel**		Core range ~ M 5 – M 39	5 (M 16 < d ≤ M 39 = 4.5)		6, 8, 10 (ISO 8673 = Fkl. 10 ≤ M 16)		12 (9 – 12)
		≥ M 39	to be agreed upon		to be agreed upon		–
Mechanical properties according to standard			DIN 267-4	ISO 898-2	DIN 267-4	ISO 898 -2 (RG) -6 (FG)	ISO 898-2

Notes:
ISO 4032 = also replacement for DIN 970
ISO 8673 = also replacement for DIN 971-1
– RG = Coarse pitch thread
– FG = Fine pitch thread
ISO 4034 = also replacement for DIN 972
ISO 4033 = also replacement for DIN 971-2 (fine pitch thread ➔ ISO 8674)