

Standards conversion

DIN
EN
ISO

Table 6: Comparison DIN : ISO – Nuts with prevailing torque element according to DIN 980, DIN 6925, ISO 7042, ISO 10513

Nominal size d (sizes to be avoided as much as possible)	Wrench size s		Nut height h min – max			Minimum wrenching height m' / m _w		
	DIN 980	DIN 6925 ISO 7042 ISO 10513	DIN 980	DIN 6925	ISO 7042 ISO 10513	DIN 980	DIN 6925	ISO 7042 ISO 10513
M 3		5.5	3.7 – 3.4	3.4 – 3.7	–	1.65	1.65	–
M 4		7	4.2 – 3.9	3.9 – 4.2	–	2.2	2.2	–
M 5		8	4.8 – 5.1	4.8 – 5.1	4.8 – 5.1	2.75	2.75	3.52
M 6		10	5.7 – 6.0	5.7 – 6.0	5.4 – 6.0	3.3	3.3	3.92
(M 7)		11	6.5 – 7.0	6.5 – 7.0	–	3.85	3.85	–
M 8		13	7.5 – 8.0	7.5 – 8.0	7.14 – 8.00	4.4	4.4	5.15
M 10	17	16	9 – 10	9 – 10	8.94 – 10.0	5.5	5.5	6.43
M 12	19	18	11 – 12	11 – 12	11.57 – 12.00	6.6	6.6	8.30
(M 14)	22	21	12 – 14	12 – 14	13.4 – 14.1	7.7	7.7	9.68
M 16		24	14 – 16	14 – 16	15.7 – 16.4	8.8	8.8	11.28
(M 18)		27	16 – 18	–	–	9.9	–	–
M 20		30	18 – 20	18 – 20	19.0 – 20.3	11	11	13.52
(M 22)	32	–	20 – 22	–	–	12.2	–	–
M 24		36	22 – 24	22 – 24	22.6 – 23.9	13.2	13.5	16.16
(M 27)		41	25 – 27	–	–	14.8	–	–
M 30		46	28 – 30	28 – 30	27.3 – 30.0	16.5	16.5	19.44
(M 33)		50	31 – 33	–	–	18.2	–	–
M 36		55	34 – 36	34 – 36	33.1 – 36.1	19.8	19.8	23.52
(M 39)		60	37 – 39	–	–	21.5	–	–

Table 7: Comparison DIN : ISO – Nuts with prevailing torque element according to DIN 982, DIN 6924, ISO 7040, ISO 10512

Nominal size d (sizes to be avoided as much as possible)	Wrench size s		Nut height h min – max			Minimum wrenching height m' / m _w		
	DIN 982	DIN 6924 ISO 7040 ISO 10512	DIN 982	DIN 6924	ISO 7040 ISO 10512	DIN 982	DIN 6924	ISO 7040 ISO 10512
M 3		5.5	–	4.2 – 4.5	4.02 – 4.50	–	1.72	1.72
M 4		7	–	5.7 – 6.0	5.52 – 6.00	–	2.32	2.32
M 5		8	6.00 – 6.30	6.44 – 6.80	6.22 – 6.80	3.52	3.52	3.52
M 6		10	7.70 – 8.00	7.64 – 8.00	7.42 – 8.00	3.92	3.92	3.92
(M 7)		11	8.20 – 8.50	8.64 – 9.00	–	4.91	4.91	–
M 8		13	9.14 – 9.50	9.14 – 9.50	8.92 – 9.50	5.15	5.15	5.15
M 10	17	16	11.14 – 11.50	11.14 – 11.90	11.2 – 11.9	6.43	6.43	9.43
M 12	19	18	13.64 – 14.00	14.47 – 14.90	14.2 – 14.9	8.30	8.30	8.3
(M 14)	22	21	15.3 – 16.0	16.3 – 17.0	15.9 – 17.0	9.68	9.68	9.68
M 16		24	17.3 – 18.0	18.26 – 19.10	17.8 – 19.1	11.28	11.28	11.28
(M 18)		27	19.16 – 20.00	19.76 – 20.60	–	12.08	12.08	–
M 20		30	20.7 – 22.0	21.5 – 22.8	20.7 – 22.8	13.52	13.52	13.52
(M 22)	32	34	23.7 – 25.0	23.2 – 24.5	–	14.48	14.48	–
M 24		36	26.7 – 28.0	25.8 – 27.1	25.0 – 27.1	16.16	16.16	16.16
(M 27)		41	–	29.4 – 31.0	–	–	18.00	–
M 30		46	–	31.0 – 32.6	30.1 – 32.6	–	19.44	19.44
(M 33)		50	–	33.9 – 35.5	–	–	21.92	–
M 36		55	–	37.3 – 38.9	36.4 – 38.9	–	23.52	23.52
(M 39)		60	–	40.4 – 42.0	–	–	25.44	–
M 42		65	–	43.4 – 45.0	–	–	27.20	–
(M 45)		70	–	46.4 – 48.0	–	–	28.80	–
M 48		75	–	48.4 – 50.0	–	–	30.40	–

Table 8: Comparison DIN : ISO – Nuts with prevailing torque element according to DIN 985, ISO 10511

Nominal size d (sizes to be avoided as much as possible)	Wrench size s		Nut height h min – max		Minimum wrenching height m' / m _w	
	DIN 985	ISO 10511	DIN 985	ISO 10511	DIN 985	ISO 10511
M 3		5.5	3.7 – 4.0	3.42 – 3.90	1.65	1.24
M 4		7	4.7 – 5.0	4.52 – 5.00	2.2	1.56
M 5		8	4.7 – 5.0	4.52 – 5.00	2.75	1.96
M 6		10	5.7 – 6.0	5.52 – 6.00	3.3	2.32
(M 7)		11	7.14 – 7.50	–	3.85	–
M 8		13	7.64 – 8.00	6.18 – 6.76	4.4	2.96
M 10	17	16	9.64 – 10.0	7.98 – 8.56	5.5	3.76
M 12	19	18	11.57 – 12.00	9.53 – 10.23	6.6	4.56
(M 14)	22	21	13.3 – 14.0	10.22 – 11.32	7.7	5.14
M 16		24	15.3 – 16.0	11.32 – 12.42	8.8	5.94
(M 18)		27	17.66 – 18.50	–	9.9	–
M 20		30	18.7 – 20.0	13.1 – 14.9	11	7.28
(M 22)	32	34	20.7 – 22.0	–	12.2	–
M 24		36	22.7 – 24.0	16.0 – 17.8	13.2	8.72
(M 27)		41	25.7 – 27.0	–	14.8	–
M 30		46	28.7 – 30.0	20.1 – 22.2	16.5	11.12
(M 33)		50	31.4 – 33.0	–	18.2	–
M 36		55	34.4 – 36.0	23.4 – 25.5	19.8	13.52
(M 39)		60	37.4 – 39.0	–	21.5	–
M 42		65	40.4 – 42.0	–	23.1	–
(M 45)		70	43.4 – 45.0	–	24.8	–
M 48		75	46.4 – 48.0	–	26.5	–