

ISO METRIC PRECISION HEXAGON NUTS AND THIN NUTS

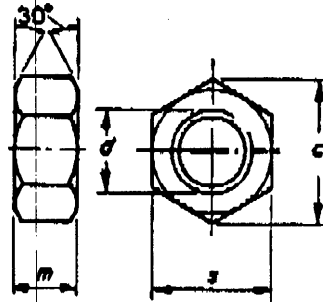


Fig. 7. Normal thickness nut



Fig. 8. Thin nut

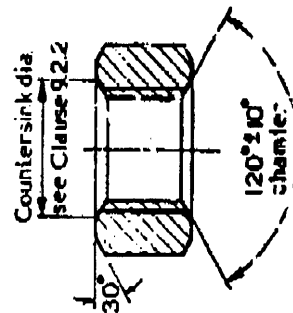


Fig. 9. Enlarged view of nut countersink

All dimensions in millimetres

1	2	3	4	5	6	7	8	9	10	11	12
Nominal size and thread diameter d	Pitch of thread (coarse pitch series)	Width across flats d		Width across corners s		Thickness of normal nut m		Tolerance on squareness of thread to face of nut $^{\circ}$	Eccentricity of hexagon	Thickness of thin nut r	
		max.	min.	max.	min.	max.	min.	max.	max.	max.	min.
M1.6	0.35	3.20	3.08	3.70	3.48	1.30	1.05	0.05	0.14	—	—
M2	0.4	4.00	3.88	4.60	4.38	1.60	1.35	0.06	0.14	—	—
M2.5	0.45	5.00	4.88	5.80	5.51	2.00	1.75	0.08	0.14	—	—
M3	0.5	5.50	5.38	6.40	6.08	2.40	2.15	0.09	0.14	—	—
M4	0.7	7.00	6.85	8.10	7.74	3.20	2.90	0.11	0.18	—	—
M5	0.8	8.00	7.85	9.20	8.87	4.00	3.70	0.13	0.18	—	—
M6	1	10.00	9.78	11.60	11.05	5.00	4.70	0.17	0.18	—	—
M8	1.25	13.00	12.73	15.00	14.38	6.50	6.14	0.22	0.22	5.0	4.70
M10	1.5	17.00	16.73	19.60	18.90	8.00	7.64	0.29	0.22	6.0	5.70
M12	1.75	19.00	18.67	21.90	21.10	10.00	9.64	0.32	0.27	7.0	6.64
(M14)	2	22.00	21.67	25.4	24.49	11.00	10.57	0.37	0.27	8.0	7.64
M16	2	24.00	23.67	27.7	26.75	13.00	12.57	0.41	0.27	8.0	7.64
(M18)	2.5	27.00	26.67	31.20	30.14	15.00	14.57	0.46	0.27	9.0	8.64
M20	2.5	30.00	29.67	34.60	33.53	16.00	15.57	0.51	0.33	9.0	8.64
(M22)	2.5	32.00	31.61	36.90	35.72	18.00	17.67	0.54	0.33	10.0	9.64
M24	3	36.00	35.38	41.60	39.98	19.00	18.48	0.61	0.33	10.0	9.64
(M27)	3	41.00	40.38	47.3	45.63	22.00	21.48	0.70	0.33	12.0	11.57
M30	3.5	46.00	45.38	53.1	51.28	24.00	23.48	0.78	0.33	12.0	11.57
(M33)	3.5	50.00	49.38	57.70	55.80	26.00	25.48	0.85	0.39	14.0	13.57
M36	4	55.00	54.26	63.50	61.31	29.00	28.48	0.94	0.39	14.0	13.57
(M39)	4	60.00	59.26	69.30	66.96	31.00	30.38	1.03	0.39	16.0	15.57
M42	4.5	65.00	64.26	75.10	72.61	34.00	33.38	1.11	0.39	16.0	15.57
(M45)	4.5	70.00	69.26	80.80	78.26	36.00	35.38	1.20	0.39	18.0	17.57
M48	5	75.00	74.26	86.60	83.91	38.00	37.38	1.29	0.39	18.0	17.57
(M52)	5	80.00	79.26	92.40	89.56	42.00	41.38	1.37	0.46	20.0	19.48
M56	5.5	85.00	84.13	98.10	95.07	45.00	44.38	1.46	0.46	—	—
(M60)	5.5	90.00	89.13	103.90	100.78	48.00	47.38	1.55	0.46	—	—
M64	6	95.00	94.13	109.70	106.37	51.00	50.26	1.63	0.46	—	—
(M68)	6	100.00	99.13	115.50	112.02	54.00	53.26	1.72	0.46	—	—