

Thread Size D		M1.6 ①	M2 ①	M2.5 ①	M3 ①	(M3.5) ①	M4 ①	M5 grade A	M6 grade A	(M7) grade A	M8 grade A	M10 grade A	M12 grade A	(M14) grade A	M16 grade A	(M18) grade B
P	Pitch	0.35	0.40	0.45	0.50	0.60	0.70	0.80	1.00	1.00	1.25	1.50	1.75	2.00	2.00	2.50
c	max	0.25	0.25	0.25	0.40	0.40	0.40	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.80	0.80
	min	0.10	0.10	0.10	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.20	0.20
d_a	max	1.84	2.30	2.88	3.45	4.03	4.60	5.75	6.75	7.75	8.75	10.80	12.96	15.12	17.28	19.44
	min	1.60	2.00	2.50	3.00	3.50	4.00	5.00	6.00	7.00	8.00	10.00	12.00	14.00	16.00	18.00
d_w	min	2.54	3.34	4.34	4.84	5.34	6.20	7.20	8.88	9.63	11.63	14.63	16.63	19.64	22.49	24.85
e	min	3.41	4.32	5.45	6.01	6.58	7.66	8.79	11.05	12.12	14.38	17.77	20.03	23.36	26.75	29.56
m	max	1.30	1.60	2.00	2.40	2.80	3.20	4.70	5.20	6.50	6.80	8.40	10.80	12.80	14.80	15.80
	min	1.05	1.35	1.75	2.15	2.55	2.90	4.40	4.90	6.14	6.44	8.04	10.37	12.10	14.10	15.10
m_w	min	0.84	1.08	1.40	1.72	2.04	2.32	3.52	3.92	4.91	5.15	6.43	8.30	9.68	11.28	12.08
s	max=nominal size	3.20	4.00	5.00	5.50	6.00	7.00	8.00	10.00	11.00	13.00	16.00	18.00	21.00	24.00	27.00
	min	3.02	3.82	4.82	5.32	5.82	6.78	7.78	9.78	10.73	12.73	15.73	17.73	20.67	23.67	26.16

①, Historical nuts with D<M5 and D>M39, not conforming to ISO 898-2 nor to ISO 3506-2 .

These historical nuts should not be used for new or critical applications (e.g. tightening near or above the yield limit, dynamic loading); they are only included for referral to existing documents. Mechanical properties are not specified in ISO 898-2 and ISO 3506-2 for nuts with sizes D<M5 and D>M39; Therefore, the property classes specified in ISO 898-2 and ISO 3506-2 cannot be used for these nuts which are not conforming to the requirements of ISO 898-2 and ISO 3506-2. Nevertheless, if the use of such nuts is considered, the mechanical properties and related tests to be performed as well as the relevant marking and labelling are to be defined by agreement between the purchaser and the supplier at the time of the order.

Thread Size D		M20 grade B	(M22) grade B	M24 grade B	(M27) grade B	M30 grade B	(M33) grade B	M36 grade B	(M39) grade B	M42 ^①	(M45) ^①	M48 ^①	(M52) ^①	M56 ^①	(M60) ^①	M64 ^①
P	Pitch	2.50	2.50	3.00	3.00	3.50	3.50	4.00	4.00	4.50	4.50	5.00	5.00	5.50	5.50	6.00
c	max	0.80	0.80	0.80	0.80	0.80	0.80	0.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	min	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
d_a	max	21.60	23.76	25.92	29.16	32.40	35.64	38.88	42.12	45.36	48.60	51.84	56.16	60.48	64.80	69.12
	min	20.00	22.00	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	52.00	56.00	60.00	64.00
d_w	min	27.70	31.35	33.25	38.00	42.75	46.55	51.11	55.86	59.95	64.70	69.45	74.20	78.66	83.41	88.16
e	min	32.95	37.29	39.55	45.20	50.85	55.37	60.79	66.44	71.30	76.95	82.60	88.25	93.56	99.21	104.86
m	max	18.00	19.40	21.50	23.80	25.60	28.70	31.00	33.40	34.00	36.00	38.00	42.00	45.00	48.00	51.00
	min	16.90	18.10	20.20	22.50	24.30	27.40	29.40	31.80	32.40	34.40	36.40	40.40	43.40	46.40	49.10
m_w	min	13.52	14.48	16.16	18.00	19.44	21.92	23.52	25.44	25.92	27.52	29.12	32.32	34.72	37.12	39.28
s	max=nominal size	30.00	34.00	36.00	41.00	46.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00	95.00
	min	29.16	33.00	35.00	40.00	45.00	49.00	53.80	58.80	63.10	68.10	73.10	78.10	82.80	87.80	92.80

①, Historical nuts with D<M5 and D>M39, not conforming to ISO 898-2 nor to ISO 3506-2 .

These historical nuts should not be used for new or critical applications (e.g. tightening near or above the yield limit, dynamic loading); they are only included for referral to existing documents. Mechanical properties are not specified in ISO 898-2 and ISO 3506-2 for nuts with sizes D<M5 and D>M39; Therefore, the property classes specified in ISO 898-2 and ISO 3506-2 cannot be used for these nuts which are not conforming to the requirements of ISO 898-2 and ISO 3506-2. Nevertheless, if the use of such nuts is considered, the mechanical properties and related tests to be performed as well as the relevant marking and labelling are to be defined by agreement between the purchaser and the supplier at the time of the order.