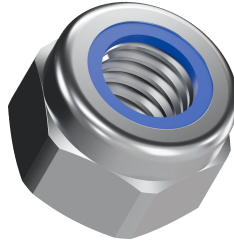


DIN 982

Prevailing torque type hexagon nuts with non-metallic insert, high type



Standard	DIN 982		
Product Type	Prevailing torque type hexagon nuts with non-metallic insert, high type		
Material	Stainless Steel, Carbon Steel		
Property Class	A2-70, A4-80 (ISO 3506-2) · 8, 10 (ISO 898-2)		
Surface Finish	Passivated, Plain, Zinc Plated, Hot Dip Galvanized, Dacromet, Blackened, Phosphate		
Size Range	M5 - M24	Thread	ISO metric coarse pitch

BASIS OF SPECIFICATION

WHICH STANDARD GOVERNS WHAT

Dimensions to	DIN 982:1987-05
Carbon steel / Alloy steel mechanical properties to	ISO 898 Part 2
Stainless steel mechanical properties to	ISO 3506-2:2020
Product grade	A / B

PROPERTY CLASSES

REQUIRED VALUES PER ISO 3506-2

Class	Governing property	Source
A2-70	Proof load - no tensile strength specified for nuts	ISO 3506-2
A4-80	Proof load - no tensile strength specified for nuts	ISO 3506-2

PROPERTY CLASSES

REQUIRED VALUES PER ISO 898-2

Class	Governing property	Source
8	Proof load - no tensile strength specified for nuts	ISO 898-2
10	Proof load - no tensile strength specified for nuts	ISO 898-2

DIMENSIONAL DATA - SIZES WE SUPPLY

ALL DIMENSIONS PER THE STANDARD

d Diameter - mm	P Thread Pitch - mm	da (max) Underhead Diameter - mm	da (min) Clearance Diameter - mm	dw (min) Bearing Diameter - mm	e (min) Width Across Corners - mm	h (max) Overall Height - mm	h (min) Overall Height - mm	m (min) Thread Height - mm	m' (min) Wrenching Height - mm	s (max) Width Across Flats - mm	s (min) Width Across Flats - mm
M5	0.8	5.75	5	6.9	8.79	6.3	6	4.4	3.52	8	7.78
M6	1	6.75	6	8.9	11.05	8	7.7	4.9	3.92	10	9.78
M8	1.25	8.75	8	11.6	14.38	9.5	9.14	6.44	5.15	13	12.73
M10	1.5	10.8	10	15.6	18.9	11.5	11.14	8.04	6.43	17	16.73
M12	1.75	13	12	17.4	21.1	14	13.64	10.37	8.3	19	18.67
M16	2	17.3	16	22.5	26.75	18	17.3	14.1	11.28	24	23.67
M20	2.5	21.6	20	27.7	32.95	22	20.7	16.9	13.52	30	29.16
M24	3	25.9	24	33.2	39.55	28	26.7	20.2	16.16	36	35

FURTHER SIZES IN THIS STANDARD

ALL DIMENSIONS PER THE STANDARD

Not held in stock. Available to order; minimum order quantity applies.

d Diameter - mm	P Thread Pitch - mm	da (max) Underhead Diameter - mm	da (min) Clearance Diameter - mm	dw (min) Bearing Diameter - mm	e (min) Width Across Corners - mm	h (max) Overall Height - mm	h (min) Overall Height - mm	m (min) Thread Height - mm	m' (min) Wrenching Height - mm	s (max) Width Across Flats - mm	s (min) Width Across Flats - mm
M7	1	7.75	7	9.6	12.12	8.5	8.2	6.14	4.91	11	10.73
M14	2	15.1	14	20.5	24.49	16	15.3	12.1	9.68	22	21.67
M18	2.5	19.5	18	24.9	29.56	20	19.16	15.1	12.08	27	26.16
M22	2.5	23.7	22	29.5	35.03	25	23.7	18.1	14.48	32	31

MARKING

Carbon steel / Alloy steel

Head marking to ISO 898 Part 2

Stainless steel

Head marking to ISO 3506-2:2020

Marking requirements are set by the material standard named above, not by the product standard. Confirm the ordered property class before production.

INSPECTION DOCUMENTS WE CAN ISSUE

EN 10204 3.1 material certificate	Can be included when agreed in the order.
Dimensional inspection report	Can be provided for the agreed inspection scope.
Certificate of conformity	Can be issued against the confirmed order requirements.
Mechanical test report	Available when the required tests are agreed before production.
Chemical analysis report	Available when the material verification scope is agreed.
Coating inspection report	Can record the coating checks agreed for the order.

REFERENCES & NOTES

Note: DIN 982 is a withdrawn legacy standard; the current standard for this product is ISO 7040. This sheet is built to DIN 982. Dimensions can differ between the two - check the recorded correspondence on our website before substituting one for the other.