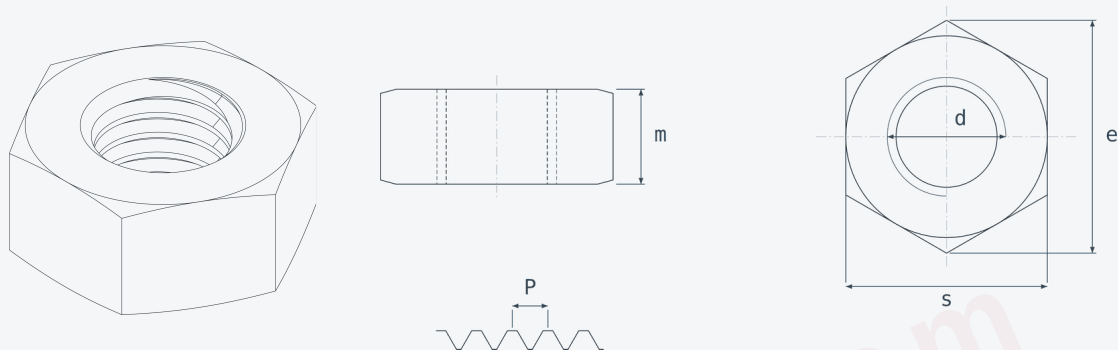


ISO 4032 Hexagon Full Nut


STANDARD

ISO 4032 Hexagon Regular Nut (Style 1)

THREAD

ISO metric coarse pitch

SIZES

M5 - M39

MATERIAL

Stainless Steel, Carbon Steel

PROPERTY CLASS

A2-70, A4-80 (ISO 3506-2) · 6, 8, 10 (ISO 898-2)

SURFACE

Passivated, Plain, Zinc Plated, Hot Dip Galvanized, Dacromet, Blackened, Phosphate

Dimensions follow the standard named on this sheet. Material properties and batch test results come with the order's certificate or test report.

BASIS OF SPECIFICATION
DIMENSIONS

ISO 4032:2023

CARBON STEEL / ALLOY STEEL

ISO 898-2:2022

STAINLESS STEEL

ISO 3506-2:2020

PRODUCT GRADE

A / B

DIMENSIONS

mm · ISO 4032

d	P	s _{max}	e _{min}	m	d	P	s _{max}	e _{min}	m
M5	0.8	8	8.79	4.7	M20	2.5	30	32.95	18
M6	1	10	11.05	5.2	M22	2.5	34	37.29	19.4
M7	1	11	12.12	6.5	M24	3	36	39.55	21.5
M8	1.25	13	14.38	6.8	M27	3	41	45.2	23.8
M10	1.5	16	17.77	8.4	M30	3.5	46	50.85	25.6
M12	1.75	18	20.03	10.8	M33	3.5	50	55.37	28.7
M14	2	21	23.36	12.8	M36	4	55	60.79	31
M16	2	24	26.75	14.8	M39	4	60	66.44	33.4
M18	2.5	27	29.56	15.8					

P thread pitch s width across flats e width across corners m nut height

MECHANICAL PROPERTIES

ISO 3506-2

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

MECHANICAL PROPERTIES

ISO 898-2

Class	Governing property
6	Proof load - no tensile strength specified for nuts
8	Proof load - no tensile strength specified for nuts
10	Proof load - no tensile strength specified for nuts

MARKING

Steel (required): Manufacturer identification mark and the property class symbol of Table 9. Small nuts, or nuts whose shape leaves no room, may use the clock-face marking of Table 9 instead. Position: Indented on a side face or on the bearing face, or embossed on the chamfer; an embossed mark shall not stand above the bearing face. Sizes: All sizes. Clause: ISO 898-2:2012, 10.3.1, 10.3.2 and 10.4.1. "The marking symbol in accordance with 10.3.2 to 10.5 shall be embossed or indented, during the manufacturing process, on all nuts manufactured to the requirements of this part of ISO 898."

Stainless steel (required): Stainless steel grade, the optional letter L for low-carbon grades (C 0,030 % max.), a hyphen and the property class symbol of Table 10, for example A4-80, together with the manufacturer identification mark. For grades A2 and A4 only, the alternative groove marking of Figure 7 may be used; where it carries no property class, property class 50 applies. Position: Preferably on the top of the nut, which is the face opposite the bearing face, indented or embossed; or indented on the side of the nut. An embossed mark on the top is not counted in the nut height. On nuts with flange, on the flange when the manufacturing process does not allow marking on the top. Sizes: D ≥ 5 mm. Clause: ISO 3506-2:2020, 11.1 Nut marking, 11.2 Manufacturer's identification mark and 11.3.1 Hexagon nuts. "All hexagon nuts of nominal thread diameter D ≥ 5 mm shall be marked for all stainless steel grades and all property classes, with the stainless steel grade in accordance with Clause 7, with the property class symbol in accordance with Table 10 or 11, and with the manufacturer's identification mark in accordance with 11.2."

Property class symbols that can appear on this standard: 5, 6, 8, 9, 10, 12.

On the clock-face alternative, the twelve o'clock position is shown either by the manufacturer identification mark or by a dot.
Left-hand threads are marked separately on the bearing face to Clause 10.5.

DOCUMENTS

EN 10204 3.1 material certificate, dimensional inspection report and mechanical test report, on request.

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