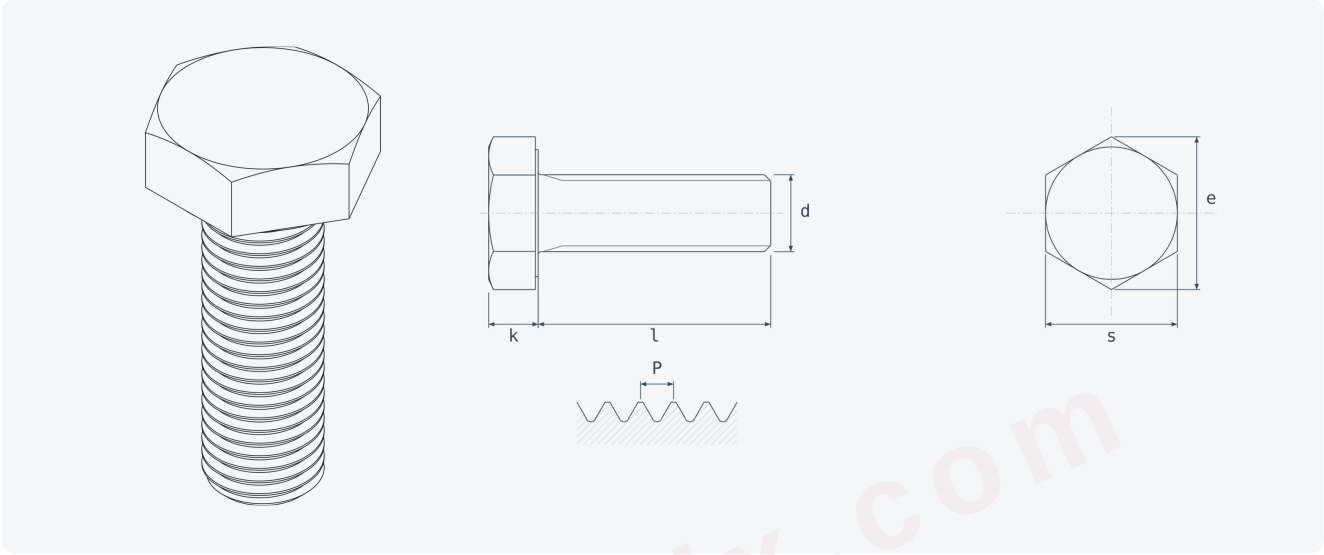
TAURUSFIX

Email: sales@taurusfix.com

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DIN 961 Fully Threaded Hex Bolt, Fine Pitch



taurusfix.com

STANDARD

DIN 961 Hexagon Head Bolt - Fine Pitch, Fully Threaded · withdrawn

THREAD

ISO metric fine pitch

SIZES

M8 - M52 · lengths 8 – 200 mm

MATERIAL

Stainless Steel, Carbon Steel, Alloy Steel

PROPERTY CLASS

A2-70, A4-70 (ISO 3506-1) · 8.8, 10.9 (ISO 898-1)

SURFACE

Plain, Zinc Plated, Blackened, Yellow Zinc Plated

> DIN 961 is a withdrawn legacy standard; the current standard for this product is ISO 8676. This sheet follows DIN 961. The two can differ in some dimensions; our website compares them size by size.

BASIS OF SPECIFICATION

CARBON STEEL / ALLOY STEEL	STAINLESS STEEL	DIMENSIONS EDITION	LENGTH TOLERANCE
ISO 898-1:2013	ISO 3506-1:2020	to be agreed	to be agreed

PRODUCT GRADE

to be agreed

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DIMENSIONS

mm · DIN 961

d	P	s max	e min	k nom.	k min	d	P	s max	e min	k nom.	k min
M8	1	13	14.38	5.3	5.15	**M27**	2	41	45.2	17	16.65
M10	1	17	18.9	6.4	6.22	**M30**	2	46	50.85	18.7	18.28
M12	1.5	19	21.1	7.5	7.32	**M33**	2	50	55.37	21	20.58
M14	1.5	22	24.49	8.8	8.62	**M36**	3	55	60.79	22.5	22.08
M16	1.5	24	26.75	10	9.82	**M39**	3	60	66.44	25	24.58
M18	2	27	30.14	11.5	11.28	**M42**	3	65	71.3	26	25.58
M20	1.5	30	33.53	12.5	12.28	**M45**	3	70	76.95	28	27.58
M22	2	32	35.72	14	13.78	**M48**	3	75	82.6	30	29.58
M24	2	36	39.98	15	14.78	**M52**	3	80	88.25	33	32.5

P thread pitch **s** width across flats **e** width across corners **k** nominal head height

MECHANICAL PROPERTIES

ISO 3506-1

Class	Rm min.	Yield requirement	Elongation requirement	Hardness
A2-70	700 MPa	Rp0.2 min. 450 MPa	0,4d mm	–
A4-70	700 MPa	Rp0.2 min. 450 MPa	0,4d mm	–

MECHANICAL PROPERTIES

ISO 898-1

Class	Rm min.	Yield requirement	Elongation requirement	Hardness
8.8 up to M16	800 MPa	Rp0.2 min. 640 MPa	A min. 12 %	250 - 320 HV
8.8 over M16	830 MPa	Rp0.2 min. 660 MPa	A min. 12 %	255 - 335 HV
10.9	1040 MPa	Rp0.2 min. 940 MPa	A min. 9 %	320 - 380 HV

MARKING

Carbon steel / Alloy steel: head marking to ISO 898-1:2013.
Stainless steel: head marking to ISO 3506-1:2020.
Marking requirements are set by the material standard named above.
Confirm the ordered property class before production.

DOCUMENTS

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

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