

XIN RUI DA FASTENERS

PRODUCT CATALOGUE

Bolt & Nut Factory · DIN / GB / ISO Standards

Bolts	18	Pins	6
Screws	15	Anchors	6
Nuts	17	Rivets	7
Washers	11	Custom & Combination	7

87 product lines · 8 categories

A factory range covering bolts, screws, nuts, washers, pins, concrete anchors, rivets and non-standard parts, produced to DIN, ISO, GB, ASTM and EN references since 1996. Carbon and alloy steel property classes 4.8 - 12.9, austenitic stainless A2 / A4, and duplex, nickel-alloy and heat-resistant grades made to drawing.

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1 Range at a glance

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2 General specifications

Standards systems

Every line states the DIN, ISO, GB, ASTM or EN reference it is produced to. Where a DIN number has an ISO or GB equivalent, both are printed so your purchasing team can verify against either.

Thread tolerance

External thread 6g (ISO 965-1) · internal thread 6H (ISO 965-2). Fine pitch and left-hand thread on request.

Property class systems

- Carbon / alloy steel bolts and screws: ISO 898-1 (4.8 – 12.9)
- Austenitic stainless: ISO 3506 (A2-70, A4-70, A2-80, A4-80)
- Nuts: ISO 898-2 performance classes (04 – 12)
- Structural connections: EN 14399 and ASTM A325 / A490

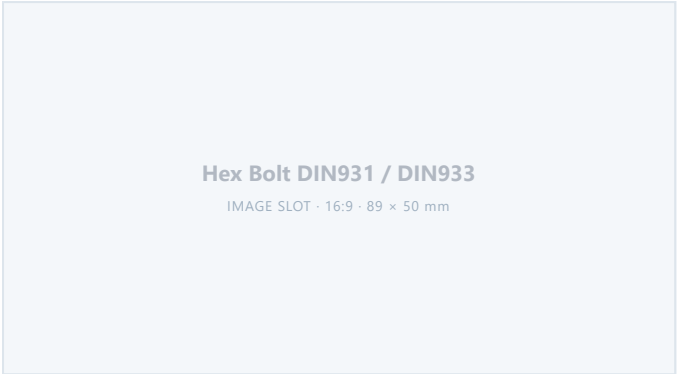
Lengths

Bolt and screw lengths 10 – 500 mm; stud rod in 1 / 2 / 3 m bars, cut and chamfered to drawing. Non-standard lengths carry no tooling charge.

Sizes printed in the category tables are the coverage of the referenced standard series. They are not a warehouse list — send the standard, size, class and quantity and we confirm availability and price the same day.

3 Key product lines

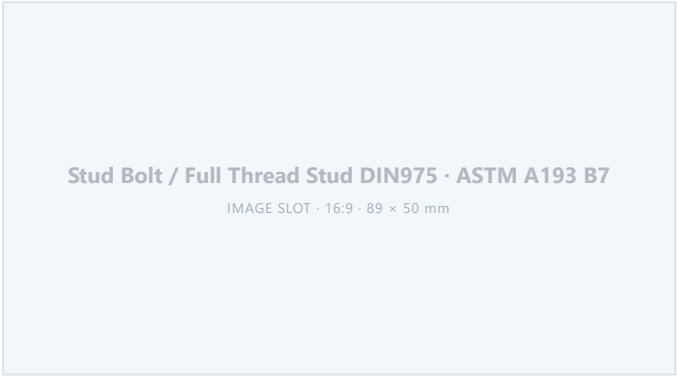
The six lines we hold measured per-size data for. The full range is listed by category in sections 4 – 11.



Hex Bolt DIN931 / DIN933

DIN933 / DIN931

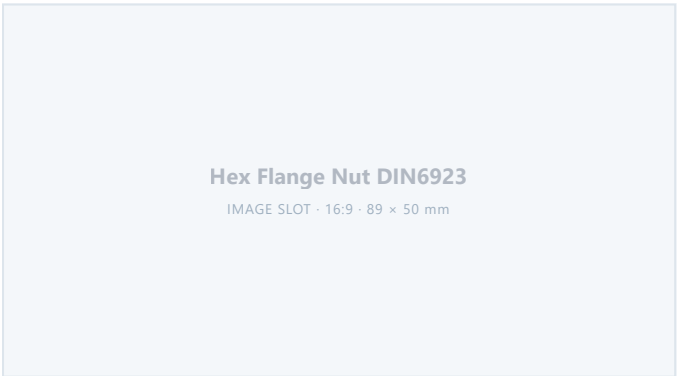
Size	M5 – M64, metric coarse as standard; fine pitch (e.g. M10×1.25) on request
Grade / material	Carbon steel 4.8 / 8.8 / 10.9; stainless A2-70 (304) / A4-80 (316)
Finish	Black oxide, blue-white zinc, yellow zinc, hot-dip galvanised, Delta-Tone (zinc flake)



Stud Bolt / Full Thread Stud DIN975 · ASTM A193 B7

DIN975 / DIN976 / B7

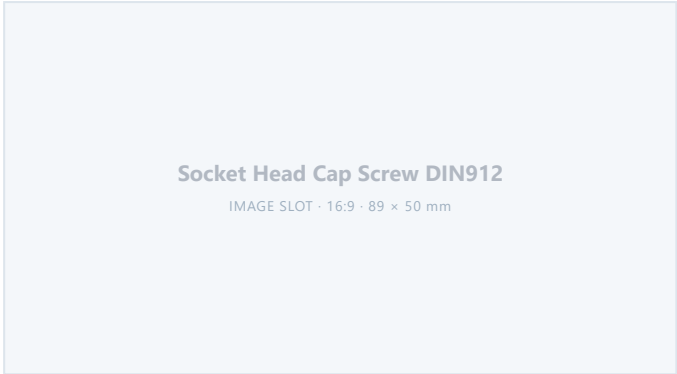
Size	Metric M10 – M100; imperial 1/2" – 3" (UNC / UNF)
Grade / material	Carbon steel 8.8; alloy steel 10.9; ASTM A193 B7 (properties close to class 8.8)
Finish	Black oxide, zinc plated, Teflon coated



Hex Flange Nut DIN6923

DIN6923 / GB/T 6177

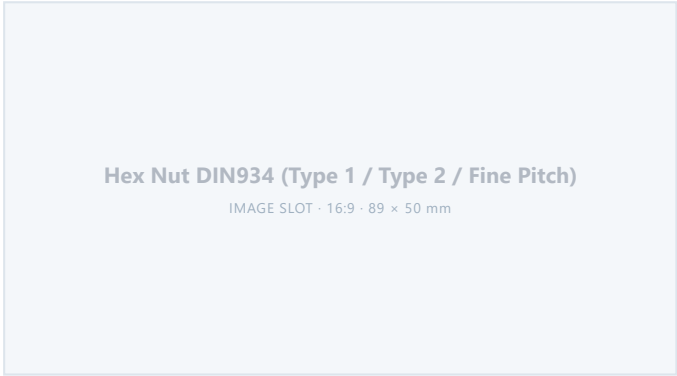
Size	M5 – M20, metric coarse as standard
Grade / material	Carbon steel class 8 / 10; stainless A2-70 (304)
Finish	Zinc plated, yellow zinc (blue-white / yellow zinc in the 48–96 h salt-spray band)



Socket Head Cap Screw DIN912

DIN912 / GB/T 70.1

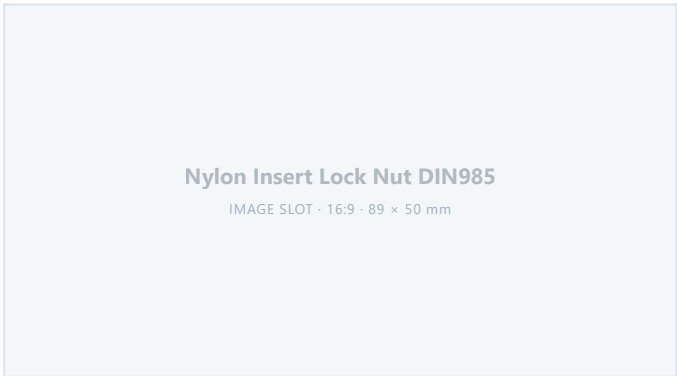
Size	M4 – M42, metric coarse as standard; fine pitch on request
Grade / material	Alloy steel class 10.9 / 12.9; stainless A2-70 (304) / A4-80 (316)
Finish	Black oxide as standard; stainless passivated; Delta-Tone on request



Hex Nut DIN934 (Type 1 / Type 2 / Fine Pitch)

DIN934 / DIN934M

Size	M5 – M64, coarse as standard; fine pitch to DIN 934M / GB/T 6176 / ISO 8673
Grade / material	Carbon steel class 4 / 8 / 10; stainless A2-70 (304) / A4-80 (316)
Finish	Black oxide, blue-white zinc, yellow zinc, hot-dip galvanised, Delta-Tone



Nylon Insert Lock Nut DIN985

DIN985 / GB/T 889

Size	M5 – M36, metric coarse as standard; fine pitch on request
Grade / material	Carbon steel class 8 / 10; stainless A2-70 (304)
Finish	Zinc plated, yellow zinc, Delta-Tone (stainless left plain, passivated)

Full standard-number cross-reference (DIN / ISO / GB) for each line is in the category tables, sections 4 – 11.

4 Bolts

Hex, flange, socket, structural and special-purpose bolts, plus studs, threaded rod and cast-in anchor bolts.

Item	Standards	Size range	Property class / grade
Hex bolt, fully threaded	DIN 933 · ISO 4017 · GB/T 5783	M5 – M64, metric coarse as standard	4.8 – 12.9 (ISO 898-1)
Hex bolt, partially threaded	DIN 931 · ISO 4014 · GB/T 5782	M5 – M64, metric coarse as standard	4.8 – 12.9 (ISO 898-1)
Hex flange bolt	DIN 6921 · GB/T 5789 · GB/T 5790	M5 – M16	4.8 – 12.9 (ISO 898-1)
Socket head cap screw	DIN 912 · ISO 4762 · GB/T 70.1	M4 – M42, metric coarse as standard	4.8 – 12.9 (ISO 898-1)
Socket head flange screw	DIN 6912	M3 – M20	4.8 – 12.9 (ISO 898-1)
Countersunk socket screw	DIN 1064 · GB/T 70.3	M3 – M16	4.8 – 12.9 (ISO 898-1)
Pan head socket screw	DIN 7380 · ISO 7380 · GB/T 70.2	M3 – M16	4.8 – 12.9 (ISO 898-1)
Shoulder bolt / shoulder screw	DIN 6609 · ISO 4165	M3 – M20, pilot diameter and shoulder length to drawing	4.8 – 12.9 (ISO 898-1)
Double-ended stud bolt	DIN 976 · GB/T 898 · GB/T 899 · GB/T 900 · GB/T 901	Metric M10 – M100	4.8, 5.8, 6.8, 8.8, 10.9, 12.9, ASTM A193 B7, ASTM A193 B8
Threaded rod / all-thread stud	DIN 975 · ISO 1502 · GB/T 15383	Metric M10 – M100	4.8, 5.8, 6.8, 8.8, 10.9, 12.9, ASTM A193 B7
High-strength structural bolt	GB/T 1228 · GB/T 1229 · GB/T 1230 · GB/T 1231 · ASTM A325 · ASTM A490 · EN 14399-2	M16 – M30	10.9S, A325, A490
Tension-control (twist-off) bolt	GB/T 3632 · GB/T 3633 · EN 14399-10	M16 – M24	10.9S, 12.9S
Square head bolt	DIN 607 · GB/T 8	M6 – M20	4.8, 5.8, 8.8
Square neck / coach bolt	DIN 601 · DIN 603 · ISO 8677 · GB/T 12	M6 – M24	4.8, 5.8, 8.8
T-slot / machine tool bolt	DIN 6321 · DIN 6322 · DIN 6323 · GB/T 37 · GB/T 38 · GB/T 39	M6 – M36	4.8 – 12.9 (ISO 898-1)
Eye bolt	DIN 580 · GB/T 656	M6 – M48	4.8, 5.8
U-bolt / bending bolt	No general standard — to drawing	To pipe size and drawing; common 1/8" – 4" pipe clamps and M6 – M20 thread	4.8, 5.8, 8.8
Cast-in anchor bolt	No general standard — to drawing	M12 – M64, length 300 – 1500 mm to drawing	—

Coating options in this category: Electro-galvanized, Hot-dip galvanized, Dacromet / Geomet, Zinc-nickel alloy, Black oxide, Plain, uncoated, Zinc plated

Property classes and grades are the values defined by the applicable standard for this category, not a stock list. Size ranges are the coverage of the referenced standard series — send the standard, size, class and quantity and we confirm availability and price the same day.

5 Screws

Machine, self-tapping and self-drilling screws. Property class applies to machine screws; hardening is by surface quench for tapping types.

Item	Standards	Size range	Property class / grade
Pan head machine screw	DIN 7985 · ISO 7045 · GB/T 818	M1.6 – M10	4.8, 5.8, A2-70, A4-70
Countersunk machine screw	DIN 965 · ISO 7046 · GB/T 819	M1.6 – M10	4.8, 5.8, A2-70
Oval countersunk machine screw	DIN 966 · ISO 7047 · GB/T 820	M1.6 – M10	4.8, 5.8
Slotted pan head screw	DIN 84 · ISO 1207 · GB/T 65	M1.6 – M10	4.8, 5.8
Self-tapping screw, sharp point	DIN 7970 · GB/T 5282	ST2.2 – ST6.3	Case-hardened steel
Self-tapping screw, flat point	DIN 7971 · GB/T 5283	ST2.2 – ST4.8	Case-hardened steel
Self-drilling screw	DIN 7504 · GB/T 15856.4	ST2.2 – ST6.3; drilling capacity 1 – 6 mm sheet by size	Case-hardened steel, A2-70
Wood screw	DIN 95 · DIN 96 · GB/T 99 · GB/T 100 · GB/T 101	Ø 3.5 – 10 mm × length 16 – 200 mm	Steel, A2-70
Drywall screw	No general standard — to drawing	Ø 3.5 – 6.0 mm × length 13 – 150 mm	Case-hardened steel
Chipboard screw	DIN 7995 · DIN 7996 · DIN 7997	Ø 3.0 – 8.0 mm × length 12 – 200 mm	Case-hardened steel
Cup point set screw	DIN 916 · ISO 4027	M3 – M20	45H, 8G
Flat point set screw	DIN 913 · ISO 4026	M3 – M20	45H, 8G
Cone point set screw	DIN 914 · ISO 4028	M3 – M20	45H, 8G
Ball point set screw	DIN 915 · ISO 4029	M3 – M20	45H, 8G
Knurled thumb screw	DIN 464	M3 – M12	Steel, A2-70

Coating options in this category: Electro-galvanized, Hot-dip galvanized, Dacromet / Geomet, Zinc-nickel alloy, Black oxide, Plain, uncoated, Yellow zinc, Blue-white zinc, Phosphated black

Property classes and grades are the values defined by the applicable standard for this category, not a stock list. Size ranges are the coverage of the referenced standard series — send the standard, size, class and quantity and we confirm availability and price the same day.

6 Nuts

Nut property classes follow ISO 898-2 (proof stress), not the bolt tensile classes. Match the nut class to the bolt class or one step below.

Item	Standards	Size range	Property class / grade
Hex nut type 1	DIN 934 · ISO 4032 · GB/T 6170	M5 – M64, coarse as standard	4, 5, 8, 10, 12, A2-70, A4-70
Hex nut, low form	DIN 439 · ISO 4035 · GB/T 6172	M3 – M20	04, 05, 4, 5, 8
Hex nut, fine thread	DIN 934 fine thread · GB/T 6171	M8 – M64 fine thread series (e.g. M12×1.25, M20×1.5)	8, 10, 12
Hex flange nut	DIN 6923 · ISO 4161 · GB/T 6177	M5 – M20, metric coarse as standard	8, 10, A2-70
Serrated flange nut	DIN 6923 serrated	M5 – M12	8, 10
Nylon insert lock nut	DIN 985 · ISO 10511 · GB/T 889	M5 – M36, metric coarse as standard	8, 10, A2-70
All-metal lock nut	DIN 980 · GB/T 6184	M3 – M20	8, 10, 12
Castle / slotted nut	DIN 935 · GB/T 6178	M3 – M36	8, 10
Acorn / cap nut	DIN 1587 · GB/T 923	M3 – M30	5, 8
Wing nut	DIN 546 · GB/T 62	M3 – M20	Steel, Brass
Square nut	DIN 557 · GB/T 29	M3 – M24	4, 5, 8
T-slot / spring nut	GB/T 38 · GB/T 39 · GB/T 40 · DIN 1624	M6 – M24	Steel
Weld nut	GB/T 13681 · DIN 929 · DIN 930	M3 – M12	Steel
Threaded insert / barrel nut	No general standard — to drawing	M3 – M24 (male / female knurled inserts)	Steel, Brass
Toothed lock nut	DIN 6334	M5 – M24	8, 10
Hex nut type 1.5	DIN 6330 · DIN 6331 · ISO 4034	M5 – M36	8, 10, 12
Panel / clip nut	No general standard — to drawing	M3 – M8	Steel, A2-70

Coating options in this category: Electro-galvanized, Hot-dip galvanized, Dacromet / Geomet, Zinc-nickel alloy, Black oxide, Plain, uncoated, Copper plated

Property classes and grades are the values defined by the applicable standard for this category, not a stock list. Size ranges are the coverage of the referenced standard series — send the standard, size, class and quantity and we confirm availability and price the same day.

7 Washers

Plain, spring, toothed and spherical washers. Hardness and load classes are stated per the applicable standard.

Item	Standards	Size range	Property class / grade
Flat washer grade A	DIN 125 · ISO 7089 · GB/T 97.1	M3 – M30 coarse series; M1.6 – M39 fine series	140 HV, Steel
Flat washer grade B/C, chamfered	DIN 125 · ISO 7090 · GB/T 97.2	M5 – M36	Steel
Large / series J flat washer	DIN 440 · ISO 7093 · GB/T 96	M3 – M36	Steel
Small flat washer	DIN 432 · DIN 433 · DIN 435 · GB/T 5287	M2 – M24	Steel
Spring washer	DIN 127 · GB/T 93	M2 – M36	65Mn, 60Si2MnA, A2-70
Toothed / star lock washer	DIN 6797 · DIN 6798 · GB/T 861.1 · GB/T 861.2	M2 – M30	Steel
Spherical / conical washer	DIN 446 · DIN 9021 · GB/T 848 · GB/T 849	M4 – M30	Steel
Bonded sealing washer	DIN 7603	M5 – M24	Steel + NBR / EPDM
Wave spring washer	No general standard — to drawing	M3 – M30	65Mn, SUS301
Fender washer	No general standard — to drawing	M3 – M36	Steel
Countersunk toothed washer	DIN 6798	M2 – M30	Steel

Coating options in this category: Electro-galvanized, Hot-dip galvanized, Dacromet / Geomet, Zinc-nickel alloy, Black oxide, Plain, uncoated, Zinc plated

Property classes and grades are the values defined by the applicable standard for this category, not a stock list. Size ranges are the coverage of the referenced standard series — send the standard, size, class and quantity and we confirm availability and price the same day.

8 Pins

Dowel, taper, spring and clevis pins. Machined tolerances are quoted on the drawing; ground finishes available.

Item	Standards	Size range	Property class / grade
Cotter pin / split pin	GB/T 91 · DIN 94 · ISO 1234	Ø 1 – 10 mm × length 10 – 200 mm	Q195/Q215, A2-70
Dowel pin	GB/T 119.1 · GB/T 119.2 · DIN 632 · ISO 2338	Ø 3 – 20 mm (m6 fit as standard) × length 6 – 200 mm	Steel, m6 fit, A2-70
Taper pin	GB/T 117 · GB/T 118 · DIN 8 · ISO 8739	Large-end Ø 3 – 10 mm × length 20 – 200 mm (taper 1:50)	Steel
Spring / roll pin	GB/T 879 · DIN 1471 · DIN 1472 · DIN 1473 · ISO 8748 · ISO 8750	Ø 1.5 – 25 mm × length 6 – 200 mm	C75 spring steel, A2-70
Clevis / pin shaft	No general standard — to drawing	To drawing, Ø 6 – 200 mm	Steel, 45# carbon steel
Locating pin / threaded dowel	GB/T 118	Ø 3 – 20 mm (m6 fit as standard) × length 6 – 200 mm	Steel

Coating options in this category: Electro-galvanized, Plain, uncoated, Ground, Phosphated

Property classes and grades are the values defined by the applicable standard for this category, not a stock list. Size ranges are the coverage of the referenced standard series — send the standard, size, class and quantity and we confirm availability and price the same day.

9 Anchors

Concrete and masonry anchors. No single international standard governs this group — anchorings are quoted against the base-material condition you provide.

Item	Standards	Size range	Property class / grade
Wedge anchor	No general standard — to drawing	M6 – M30 × 40 – 300 mm	Steel 5.8 / 8.8, A2-70, A4-70
Sleeve anchor	No general standard — to drawing	M6 – M24 × 50 – 300 mm	Steel
Drop-in anchor	No general standard — to drawing	M6 – M20 × 45 – 200 mm	Steel, A2-70
Chemical / resin anchor	No general standard — to drawing	M8 – M36 × 80 – 600 mm	Stud A2-70 / class 8.8
Concrete screw	No general standard — to drawing	Ø 5.0 – 8.0 mm × length 27 – 200 mm	Case-hardened steel
Through / tie rod	No general standard — to drawing	M12 – M30 × length per formwork design	Steel

Coating options in this category: Electro-galvanized, Hot-dip galvanized, Dacromet / Geomet, Plain, uncoated, Stainless steel, Zinc plated, Phosphated black, Yellow zinc

Property classes and grades are the values defined by the applicable standard for this category, not a stock list. Size ranges are the coverage of the referenced standard series — send the standard, size, class and quantity and we confirm availability and price the same day.

10 Rivets

Blind, solid, semi-tubular and drive rivets, plus rivet nuts. Body material and mandrel material are stated separately.

Item	Standards	Size range	Property class / grade
Open blind rivet	GB/T 12618 · DIN 7337	Ø 3.0 / 3.2 / 4.0 / 4.8 / 6.4 mm; grip length by size	Aluminium body, steel mandrel, All-stainless A2
Closed blind rivet	GB/T 12615 · GB/T 12616 · DIN 7338	Ø 3.2 / 4.0 / 4.8 / 6.4 mm	Aluminium body, steel mandrel, All-stainless steel
Structural rivet	No general standard — to drawing	Ø 4.0 – 6.4 mm (incl. lockbolt / double-bulb)	Steel, A2-70
Semi-tubular rivet	GB/T 869	Ø 1.4 – 12 mm	Aluminium, Steel, Brass
Solid rivet	GB/T 868 · GB/T 870	Ø 1.6 – 12 mm	Steel, Aluminium, Brass
Rivet nut / threaded insert	No general standard — to drawing	M3 – M16	Zinc-plated steel, A2-70
Drive rivet	No general standard — to drawing	Body Ø 4 – 16 mm	Aluminium, Steel

Coating options in this category: Plain, uncoated, Painted

Property classes and grades are the values defined by the applicable standard for this category, not a stock list. Size ranges are the coverage of the referenced standard series — send the standard, size, class and quantity and we confirm availability and price the same day.

11 Custom & Combination

Non-standard and engineered fasteners made to customer drawing or sample, including heat-resistant and corrosion-resistant alloy grades.

Item	Standards	Size range	Property class / grade
Non-standard fastener to drawing	No general standard — to drawing	To drawing	To drawing
Welding stud	GB/T 902.1 · GB/T 902.2 · GB/T 902.3	M3 – M25 × length 5 – 200 mm	ML15, 22MnB5, A2-70
Combination screw with washer	No general standard — to drawing	M3 – M8	4.8, 5.8
Security / tamper-resistant screw	No general standard — to drawing	M3 – M16	Steel, A2-70
High / low temperature fastener	No general standard — to drawing	M10 – M72, length matched to the flange standard	A2-70, A4-80, Inconel 625/718, 16Mn
Corrosion-resistant alloy fastener	No general standard — to drawing	M3 – M36	Duplex 2205, Super Duplex 2507, Monel 400, Incoloy 800/825, Hastelloy C276
Grounding bolt	No general standard — to drawing	To drawing	Copper-plated steel

Coating options in this category: To drawing, Plain, uncoated, Copper plated, Electro-galvanized, Hot-dip galvanized, Dacromet / Geomet, Zinc-nickel alloy, Black oxide

Property classes and grades are the values defined by the applicable standard for this category, not a stock list. Size ranges are the coverage of the referenced standard series — send the standard, size, class and quantity and we confirm availability and price the same day.

12 Measured dimension tables

These three series are produced from our own measured tables, not from a standard copy. Dimensions are in millimetres, nominal values.

12.1. DIN 933 / ISO 4017 — Hex head bolt, full thread

Thread pitch P, width across flats S, head height k

Size	Pitch P	A/F S	Head h. k
M6	1.0	10	4.0
M8	1.25	13	5.3
M10	1.5	17	6.4
M12	1.75	18	7.5
M16	2.0	24	10.0
M20	2.5	30	12.5
M24	3.0	36	15.0

DIN 931 / ISO 4014 (partial thread) shares the same head and drive dimensions; thread length under the head follows the standard series for the ordered length. Lengths beyond 500 mm and fine pitch are made to drawing.

12.2. DIN 912 / ISO 4762 — Socket head cap screw

Thread pitch P, head diameter dk, head height k, hex socket A/F s

Size	Pitch P	Head dk	Head h. k	Socket s
M6	1.0	10	6.0	5
M8	1.25	13	8.0	6
M10	1.5	16	10.0	8
M12	1.75	18	12.0	10
M16	2.0	24	16.0	14
M20	2.5	30	20.0	17

Sizes outside this table are produced to the same standard series on request. DIN 7380 button head and DIN 1064 countersunk variants share the socket size shown here.

12.3. DIN 934 / ISO 4032 — Hex nut, type 1

Thread pitch P, width across flats S, nut height m

Size	Pitch P	A/F S	Height m
M6	1.0	10	5.2
M8	1.25	13	6.8
M10	1.5	17	8.4
M12	1.75	19	10.8
M16	2.0	24	14.8
M20	2.5	30	18.0
M24	3.0	36	21.5

M12 is shown at 19 mm (legacy DIN 934); the new series and DIN 934/1-18 mm are available — state which one on the order. Type 2 heavy nut is about 1.2× the type 1 height and is used with class 10.9 and above.

13 Mechanical property reference

13.1 Carbon and alloy steel fasteners — ISO 898-1 (classes up to 12.9, nominal sizes ≤ 16 mm)

Class	Tensile Rm min (MPa)	Yield Rp0.2 min (MPa)	Hardness
4.8	400	320	≤ 22 HRC
5.8	500	400	≤ 22 HRC
6.8	600	480	22–28 HRC
8.8	800	640	22–32 HRC
10.9	1000	940	32–39 HRC
12.9	1200	1100	39–44 HRC

13.2 Austenitic stainless steel — ISO 3506 (bar samples up to 20 mm)

Grade	Tensile Rm min (MPa)	Proof stress Rp0.2 min (MPa)
A2-70	700	450
A4-70	700	450
A2-80	800	600
A4-80	800	600

13.3 Nuts — ISO 898-2 proof stress, nominal sizes up to M16

Class	Proof stress (MPa)
4	400
5	500
6	600
8	800
10	1000
12	1200
04	400
05	500

Values are the minima fixed by the quoted standard, not test results for a specific lot. Every shipment is matched by property class to the bolt it is supplied with; class 10.9 and above is de-embrittled after electroplating on request.

14 Coatings, materials and thread reference

14.1 Coating options

Coating	Typical service	Note
Electro-galvanized	Indoor machinery, general assembly	Blue-white or yellow tint; thin film, threads fit without allowance
Hot-dip galvanized	Steel work, outdoor, coastal	Thick film: external threads need allowance and nuts are oversize — state HDG on the order
Dacromet / Geomet	High-strength bolts, chassis, marine	Non-electrolytic, no hydrogen-embrittlement risk
Zinc-nickel alloy	Automotive and electrical parts	Higher corrosion resistance than plain zinc
Black oxide	Socket screws, machine interiors	Cosmetic plus light rust protection; oil dip available
Plain / uncoated	Stainless and machined parts	As-finished surface

Salt-spray requirements differ widely between buyers using the same coating name. Write the test standard and the hours you need into the enquiry — for example "Dacromet, to ISO 9227 neutral salt spray, red rust at the hours agreed on the PO".

14.2 Material grades

- Carbon steel: ML35 / SWRCH35K cold-formed; Q235 for low-class parts; 35# / 45# machined parts
- Alloy steel, quenched and tempered: 35CrMo (class 10.9/12.9), SCM435
- Petrochemical studs: ASTM A193 B7 / B7M, B8 / B8M
- Stainless: 304 (A2), 316 (A4), A4-80 on work-hardened bar
- Special grades: Duplex 2205, Super Duplex 2507, Monel 400, Incoloy 800/825, Hastelloy C276, Inconel 625/718
- Springs and washers: 65Mn, 60Si2MnA, C75 spring steel, SUS301

14.3 Metric coarse thread pitch (ISO 261, first series)

M3	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24	M30	M36	M42	M48
0.5	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	3	3.5	4	4	5

15 How to order

What to put in an enquiry

- **Standard number** — DIN / ISO / GB / ASTM, as printed in the category tables
- **Size** — thread × length under the head (state partial or full thread)
- **Property class or material grade**
- **Coating** — plus the corrosion requirement if you have one
- **Quantity** — per size, so we can quote a mixed container
- Any certificate or third-party inspection requirement

Non-standard work

Send a drawing or a sample. Special head forms, fine pitch, left-hand thread, non-standard lengths and the corrosion-resistant alloy grades are made to drawing.

Contact

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Downloads

DIN / GB / ISO cross-reference chart and the bolt torque chart (M4–M48) are published on the website under Downloads.

Standard numbers, size ranges, property classes and coating names in this catalogue describe the production series each referenced standard covers. Machined dimensions are nominal; tolerances follow the cited standard and the inspection class agreed on the purchase order. Figures marked as measured come from our own production series. Content may be updated without notice — the live version on the website governs.