Fastener & Hardware Catalogue 2026

Hex bolts, nuts, socket screws, washers, anchors, threaded rod, solar mounting hardware and custom parts.
Standards: DIN / ISO / ASTM / GB / GOST. Quotations within 48 hours of a complete specification.

Product families and range

Family	Standards	Size range	Property classes	Common finishes
Hex bolts, full thread	DIN 933 / ISO 4017 / GB 5783 / GOST 7805-70	M3-M48, 6-300 mm	4.8 / 8.8 / 10.9 / 12.9	Plain, zinc, HDG, zinc flake
Hex bolts, partial thread	DIN 931 / ISO 4014 / GB 5782 / GOST 7798-70	M3-M48, 12-500 mm	4.8 / 8.8 / 10.9 / 12.9	Plain, zinc, HDG, zinc flake
Hex nuts	DIN 934 / ISO 4032 / GB 6170 / GOST 5915-70	M3-M48 (M64 on request)	Class 4-12, A2 / A4	Plain, zinc, HDG
Nylon insert lock nuts	DIN 985 / ISO 10511	M3-M36	Class 6 / 8 / 10	Zinc, HDG
Socket head cap screws	DIN 912 / ISO 4762 / GB 70.1 / GOST 11738-84	M3-M48	8.8 / 10.9 / 12.9 / A2 / A4	Black oxide, zinc, nickel
Countersunk socket screws	DIN 7991 / ISO 10642	M3-M24	8.8 / 10.9 / 12.9	Black oxide, zinc
Washers	DIN 125 / 127 / 9021 / ISO 7089 / GOST 11371-78	M3-M48	100-300 HV	Plain, zinc, HDG
Threaded rod and stud bolts	DIN 975 / DIN 976-1 / ASTM A193 B7	M6-M48, 1 m / 3 m	4.8 / 8.8 / A2 / A4 / B7	Plain, zinc, HDG
Wedge and sleeve anchors	ETA-oriented / ISO 898-1	M6-M24	4.8 / 5.8 / 8.8	Zinc, HDG, stainless
U-bolts, J-bolts, eye bolts	DIN 3570 / DIN 580 / drawing	M6-M20, pipe 1/2"-8"	4.8 / 8.8 / A2 / A4	Zinc, HDG, stainless
Carriage bolts and flange fasteners	DIN 603 / DIN 6921 / DIN 6923	M5-M24	4.8 / 8.8 / A2	Zinc, HDG
Solar mounting hardware	Drawing / aluminium 6005-T5, 6061-T6	Clamps, rails, hanger bolts	AL 6005-T5 / SS304	Anodized, HDG, stainless
Custom parts (OEM)	Your drawing, DIN / ISO / ASTM / GOST	To drawing	As specified	As specified

Commercial summary

Item	Position
Minimum order	Stock sizes from 1 pallet / 5,000 pcs per size; mixed sizes consolidated. OEM: economic batch for tooling, typically 20,000-50,000 pcs
Trial orders	Accepted; small quantities may carry a higher unit price
Lead time	Stock 7-15 days; production 25-35 days; OEM with new tooling 35-50 days
Quotation	Within 48 hours, usually the same working day
Payment	30% T/T deposit, 70% against B/L copy; L/C at sight for larger orders
Incoterms	EXW, FOB, CFR, CIF, DDP where feasible
Packing	Poly bag / carton / pallet, ISPM 15 wood, custom labels and bar codes
Documents	EN 10204 3.1 MTC, dimensional, coating, de-embrittlement record, PSI report; third-party inspection on request

> Acceptance is always against the EN 10204 3.1 mill test certificate of the production heat. Request sample reports before ordering so your QC department approves the format in advance.

Technical annex

The figures your engineers will ask for first.

Mechanical properties (ISO 898-1 / ISO 3506-1, minimum requirements)

Class	Tensile Rm min	Yield ReL min	Elongation A min	Typical hardness
4.8	400 MPa	320 MPa	14 %	-
5.8	520 MPa	400 MPa	10 %	-
8.8	800 MPa	640 MPa	12 %	250-320 HV
10.9	1,040 MPa	940 MPa	9 %	320-380 HV
12.9	1,220 MPa	1,100 MPa	8 %	385-435 HV
A2-70 / A4-70	700 MPa	450 MPa	0.4 d	-
A4-80	800 MPa	600 MPa	0.3 d	-

Thread, tolerance and coating

- Thread tolerance 6g external / 6H internal (6f, 6G on request); coarse pitch standard, fine pitch available
- Product grade A for d <= 24 mm, grade B above, unless the drawing states otherwise
- Head marking: property class plus manufacturer mark, required from M5 upward
- Zinc plating (ISO 4042) 5-12 micron, trivalent passivation; hot-dip galvanizing (ISO 1461) local minimum approx. 45 micron
- Zinc flake (ISO 10683) 4-10 micron for classes 10.9 / 12.9 and tight-tolerance joints
- Stainless passivated to ASTM A967; A2 (304 family) and A4 (316 family)

> Hydrogen embrittlement: electroplated fasteners of class 10.9 and above, and class 12.9 in all cases, require a documented de-embrittlement bake. We supply the process record with every such order and advise against hot-dip galvanizing for class 12.9.

Standard equivalences to check before you substitute

DIN	ISO	GB	GOST	Product
DIN 933	ISO 4017	GB/T 5783	GOST 7805-70	Hex bolt, full thread
DIN 931	ISO 4014	GB/T 5782	GOST 7798-70	Hex bolt, partial thread
DIN 934	ISO 4032	GB/T 6170	GOST 5915-70	Hex nut, style 1
DIN 912	ISO 4762	GB/T 70.1	GOST 11738-84	Socket head cap screw
DIN 125	ISO 7089	GB/T 97.1	GOST 11371-78	Flat washer
DIN 985	ISO 10511	GB/T 889.1	-	Nylon insert lock nut

Note: DIN 933 corresponds to ISO 4017 (full thread); ISO 4014 corresponds to DIN 931 (partial thread). These two are frequently quoted the wrong way round.