Standard cross-reference sheet

DIN, ISO, GB, GOST and ASME/ASTM equivalences for fasteners, with the pairings most often quoted incorrectly.

> Two equivalences worth memorising: DIN 933 = ISO 4017 (full thread). DIN 931 = ISO 4014 (partial thread). Quoting DIN 933 against ISO 4014 is the most common technical error in fastener catalogues.

DIN / EN	ISO	GB	GOST	ASME / ASTM	Product
DIN 933	ISO 4017	GB/T 5783	GOST 7805-70	ASME B18.2.1	Hex bolt, full thread
DIN 931	ISO 4014	GB/T 5782	GOST 7798-70	ASME B18.2.1	Hex bolt, partial thread
DIN 934	ISO 4032	GB/T 6170	GOST 5915-70	ASME B18.2.2	Hex nut, style 1
DIN 985	ISO 10511	GB/T 889.1	-	ASME B18.16.6	Nylon insert lock nut
DIN 912	ISO 4762	GB/T 70.1	GOST 11738-84	ASME B18.3	Socket head cap screw
DIN 7991	ISO 10642	GB/T 70.3	-	ASME B18.3	Countersunk socket screw
DIN 125	ISO 7089	GB/T 97.1	GOST 11371-78	ASME B18.22.1	Flat washer, normal
DIN 127	-	GB/T 93	GOST 6402-70	ASME B18.21.1	Spring lock washer
DIN 9021	ISO 7093	GB/T 96.1	-	ASME B18.22.1	Flat washer, large
DIN 603	-	GB/T 12	-	ASME B18.5	Carriage bolt
DIN 580	-	GB/T 825	-	-	Lifting eye bolt
DIN 1587	-	GB/T 923	-	ASME B18.2.2	Acorn / cap nut
DIN 6921	ISO 4162	-	-	-	Hex flange bolt, small
DIN 6923	-	-	-	ASME B18.2.2	Hex flange nut
DIN 975	-	-	-	-	Threaded rod
DIN 976-1	-	-	-	ASME B18.31.2	Stud bolt
EN 15048	-	-	~GOST 15589-70	-	Non-preloaded structural bolting assembly
EN 14399	-	-	-	-	Preloaded high-strength structural assembly
ISO 898-1	ISO 898-1	GB/T 3098.1	GOST 1759.0	ASTM F3125 grades	Property classes 8.8 / 10.9 / 12.9

DIN / EN	ISO	GB	GOST	ASME / ASTM	Product
ISO 898-2	ISO 898-2	GB/T 3098.2	GOST 1759.0	ASTM A563	Nut property classes 8 / 10 / 12
ISO 3506-1	ISO 3506-1	GB/T 3098.6	-	ASTM F593 / F594	Stainless A2-70 / A4-80
ASTM F3125	-	-	-	ASTM F3125	High-strength structural bolt (A325/A490 withdrawn, now F3125 grades)

"-" means there is no direct equivalent, not that the product is unavailable. Equivalences above are dimensional unless stated; mechanical property standards are listed separately because one product standard can be supplied in several property classes.

Rules to apply when substituting

- Property classes must be matched between bolt and nut: class 8 nuts with 8.8 bolts, class 10 with 10.9, class 12 with 12.9.
- GOST accuracy classes are generally wider than DIN product grade A - check tolerances before interchange, and head marking conventions differ.
- ASTM A325 and A490 were withdrawn in 2015 and consolidated into ASTM F3125; current quotations should reference F3125.
- Structural bolting under EN 1090-2 requires assemblies certified to EN 15048 or EN 14399 with a Declaration of Performance - dimensional standards alone do not qualify.