

Specification Summary

A one-page reference for buyers and specifiers. All values are as published by Haiyan Ehons Industrial Co., Ltd..

Standards	ASME, ASTM, IFI, ANSI, DIN, BS, JIS and ISO
Materials	Carbon steel including C1022 and 1022A, alloy steel, stainless steel
Grade classes	4.6, 4.8, 5.6, 8.8, 10.9; SAE J429 Gr.2, Gr.5, Gr.8; ASTM A307 A/B, A394, A449
Threads	Metric (M), UNC, UNF, BSW
Finishes	Self colour, plain, zinc plated (clear / blue / yellow / black), zinc with wax, black oxide, black and grey phosphate, nickel, chrome, hot dip galvanised, Magni, Ruspert
Supply ability	About 2,000 tons per month
Minimum order	500 kg per item; mixed containers accepted
Packing	Bulk 25 kg carton or bag; 1 kg box or bag, 25 per carton; count packs of 1000 / 500 / 250 pieces; 15 kg per carton, 48 cartons per solid wood pallet; or to customer specification
Trade terms	FOB / CIF / CFR / CNF / EXW / DDU / DDP
Payment	T/T, L/C, D/A, D/P, Western Union, MoneyGram
Loading port	Shanghai or Ningbo
Samples	Free of charge against the final specification
Markets	North America, South America, Europe, South Africa and the Middle East

Screw families

Family	Lines	What it is for
Drywall Screws	5	Bugle and hi-lo thread drywall screws in coarse, fine and hi-lo forms, phosphated or zinc plated, for plasterboard onto timber and light-gauge steel.
Self-Drilling Screws	4	Drill-point screws in truss, pan framing and hex washer heads, including bonded EPDM washer versions for roofing and wall cladding.
Self-Tapping Screws	3	Sharp-point tapping screws in oval, pan framing and modified truss heads for window frames, light steel framing and sheet assemblies.
Wood Screws	3	Hexagon head and countersunk wood screws with Torx recess, in carbon and alloy steel, grade classes 4.6 to 10.9.
Chipboard and Concrete Screws	3	Double countersunk chipboard screws in yellow zinc, square-drive serrated versions and concrete screws for direct fixing into masonry.
Machine Screws	1	Metric and imperial machine screws in carbon and alloy steel, grade class 4.6 to 10.9, for pre-tapped holes and nut assemblies.

Selection order

1. Substrate

Timber takes a coarse thread; steel stud takes a fine thread; thin gauge and board take a hi-lo thread.

2. Thickness

Total material thickness sets screw length and, for drill-point screws, the drill capacity required.

3. Exposure

Dry interior takes phosphate or clear zinc; semi-exposed takes yellow zinc or nickel; full exposure takes hot dip galvanising, Ruspert or Magni.

4. Drive

Phillips for hand and board work; Torx for long screws under impact; square where bit retention matters; external hexagon for structural timber.

5. Grade class

State it explicitly on the order line. Visual inspection cannot distinguish class 4.8 from class 10.9.

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