

Materials and Finishes Reference

Almost every complaint that reaches a hardware importer is a material or finish decision made months earlier. This sheet sets out the four material families and four surface finishes Honke works in, and where each one belongs.

- 304 and 316 stainless steel, aluminium and carbon steel
- Polishing, hot dip galvanising, zinc plating and anodised colour
- Grade is confirmed on the order line because polished 304 and 316 look identical
- Rope items are supplied in polypropylene, polyester and nylon

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Plant: Longyan City, Fujian Province, China | 4,500 sq m floor area | 100 staff

Materials and Finishes

304 stainless steel

General purpose. Good corrosion resistance indoors and in inland outdoor use. The default grade for hardware channel and general rigging.

316 stainless steel

Contains molybdenum, which resists chloride pitting far better. The grade to specify for sea water, spray, coastal air and pool areas.

Aluminium

Roughly a third of the weight of steel and takes anodised colour. Used for carabiners, bag hardware and promotional items, never for life safety.

Carbon steel

The price led option for shackles, eye bolts, clips and thimbles. Needs a protective finish and is not suitable for permanent salt exposure.

Polishing

Mechanical finish on stainless. Nothing sits on top of the metal so there is no coating to chip or flake.

Hot dip galvanising

Thick zinc layer for outdoor carbon steel. Rough in appearance but the longest lasting protection on carbon parts.

Zinc plating

Thin bright coating for indoor and dry use. Cost effective but not a marine finish.

Anodising

Converted oxide layer on aluminium that carries colour inside the surface rather than on top of it.

Material by Product Range

RANGE	ITEMS	TYPICAL MATERIAL
Spring Hooks	5	stainless steel 304/316; stainless steel, Steel Iron
Swivel Snap Hooks	10	Stainless steel; Stainless steel, carbon steel
Aluminium Hooks	8	Aluminium
Anchor Shackles	3	Stainless steel, carbon steel
Eye Plates	8	Stainless steel
Eye Bolts and Screw Eye Hooks	6	Stainless steel, carbon steel; Stainless steel, steel Iron
Wire Rope Clips and Thimbles	4	Stainless steel, carbon steel
Quick Links	2	Stainless steel, Steel Iron
S-Hooks O-Rings and D-Rings	3	Stainless steel, steel Iron
Outdoor and Rope Products	12	Nylon, polyester; Nylon, polypropylene; Stainless Steel; polypropylene; polypropylene, PVC; polypropylene, polyester; polypropylene, polyester,

Documentation

Documentation requirements differ by market, by buyer and by part. Rather than publish a general claim, Honke confirms in writing what can be supplied for your specific items before you place the order. Send the item codes and the standard your customer works to and we will come back on what is available.