















# MATERIALS & FINISHES

This is a guide only, please always consult your engineer.

Type of Finish	Icon	Base Material	Characteristics
Plain		Steel	Natural uncoated finish
Bright Steel		Steel	Uncoated finish
Black Phosphate		Steel	Added protection when oiled with good lubricity
Black Zinc Plating		Steel	Zinc plating with black chromate treatment
Zinc Plating		Steel	Blue to blue-white silver colour
Zinc Yellow Plating		Steel	Zinc plating with yellow chromate treatment
Zinc Clear Plating		Steel	Zinc plating with clear chromate treatment
Galvanised		Steel	Protective zinc coating to steel or iron against rusting. Can be hot dip galvanised or mechanical galvanised
Hot Dip Galvanised		Steel	Rough grey finish with a thicker zinc coating for better corrosion resistance, making it suitable for outdoor use
Mechanical Galvanised		Steel	A coating of zinc is applied to the part at room temperature by a mechanical process. No risk of hydrogen embrittlement
Chrome Finish		Most Metals	Smooth and polished appearance. Moderate corrosion resistance

Type of Material	Icon	Base Material	Characteristics
Aluminium		Aluminium	Silvery-white metal. Lightweight, flexible and corrosion resistant. Can be alloyed with many different elements to increase strength
Brass		Brass	An alloy of copper and zinc. Good electrical and thermal conductivity
Nylon		Nylon	Synthetic thermoplastic polymer
Stainless Steel		Stainless Steel	Corrosion resistance steel
Stainless Steel G304		Stainless Steel	Authentic Stainless Steel containing approximately 18% Chromium and 8% Nickel good corrosion resistance. Suitable for outdoor and some water applications
Stainless Steel G316		Stainless Steel	Authentic Stainless Steel containing 16% Chromium, 10% Nickel and 2% Molybdenum, making it suitable for marine applications where there is exposure to salt and chlorinated water

For more technical support, please contact your local **United Fasteners** branch

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