

Monel 400 has corrosion resistant properties against flowing sea-water and is extensively used for marine applications. Alloy 400 is also extremely resistant to stress corrosion cracking in most freshwaters. Alloy 400 is used in steam generators, feedwater heaters, cladding of offshore installations, pump and propeller shafts, marine fixtures and fasteners, also chemical processing equipments.

Monel 400 Specification

Grade	UNS	W.Nr
Alloy 400	N04400	2.4360

Monel 400 Chemical composition

Grade	%	Ni	Cu	Fe	C	Mn	Si	S
Monel 400	Min	Bal.	28					
	Max		34	2.5	0.3	2	0.5	0.024

Monel 400 Mechanical properties: (Minimum value at 20°C)

Tensile Strength σ_b /MPa	Yield Strength $\sigma_{p0.2}$ /MPa	Elongation σ_5 /%
≥ 480	≥ 170	≥ 35

Monel 400 Standard

Bar/Rod	Forging	Sheet/Strip	Wire	Pipe/Tube
ASTM B164	ASTM B564	ASTM B127	ASTM B164	ASTM B165 ASTM B163 ASTM B725 ASTM B730

Monel 400 Size Range

- Wire: Dia 0.08-12mm
- Bar: Dia 1.0-300mm
- Strip(Coil): 0.2-20mm TCK x 10-300mm W
- Sheet: min.0.7mm TCK x 1200mm W max.
- Tube & Forging & Machine Parts: customized
- Welding wire: 0.8mm, 1.0mm, 1.2mm, 2.0mm, 2.4mm, 3.2mm, 3.8mm, 4.0mm etc
- Welding Strip: 0.4-0.7mm TCK x 25-60mm W