



ZHEHENG STEEL

Wenzhou Zheheng Steel Industry Co.,Ltd
stainless-steelseamlesspipe.com



ASTM B366 UNS N04400 Monel 400 45° 90° Stainless Steel Elbow Fittings

Our Product Introduction

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Basic Information

- Place of Origin: Wenzhou, China
- Brand Name: Zheheng
- Certification: ISO9001
- Model Number: Elbow
- Minimum Order Quantity: MOQ500kg
- Packaging Details: In wooded cases or pallets, or as per client's requirement
- Delivery Time: 7-15 working days after receiving payment
- Payment Terms: L/C, D/P, T/T, Western Union
- Supply Ability: 1000+



Product Specification

- Size: Seamless Fittings: 1/2" – 10" Welded Fittings: 1/2" – 48"
- WT: SCH5-XXS
- Type: Seamless/welded
- End: Beveled End, Treaded And Plain End
- Price Term: FOB/EXW/CIF
- Bending Radius: R=1D, 2D, 3D, 5D, 6D, 8D, 10D Or Custom
- Manufacturing Process: Press, Forge, Push, Cast, Etc.
- Highlight: **Monel 400 Elbow Fittings, ASTM B366 Fittings, 45deg Stainless Steel Elbow Fittings**



Product Description

ASTM B366 UNS N04400 Monel 400 Fittings 45° 90° SS Elbow With Multiple Fields

Overview

Monel 400 Pipe Fittings are one such fitting that is made up of nickel copper alloy. Monel Pipe Fittings are able to resist steam and seawater even at elevated temperatures. They also resist salts and caustic solutions. In freshwater Monel, Fittings are also said to be resistant to stress corrosion cracking. Heat and high temperature do not affect these fittings. Monel 400 Fittings also display excellent mechanical properties even at zero temperature.

It has high strength over a wide temperature range up to 1000 F. It is regarded as being a ductile Nickel-Copper alloy with resistance to a wide variety of corrosive conditions. This alloy is most frequently applied in a range of environments going from mildly oxidizing through neutral and to moderately reducing conditions. Additional application area of this material is in marine environments and other non-oxidizing chloride solutions. Like with commercially pure Nickel, Monel 400 is low in strength in the annealed condition, for this reason a variety of tempers are used to achieve higher strength levels. Monel 400 is one of the few alloys that maintains its strength in sub-zero or cryogenic temperatures, so it is often used in those applications.

Application

Power Generation
Off-Shore Oil Drilling Companies
Gas Processing
Petrochemicals
Pharmaceuticals
Specialty Chemicals
Chemical Equipment
Pharmaceutical Equipment
Heat Exchangers
Sea Water Equipment
Pulp and Paper Industry
Condensers

Equivalent Material

Standard	UNS	JIS	BS	GOST	AFNO R	EN
Monel 400	N04400	NW 4400	NA 13	MHЖМц 28-2,5-1,5	NU-30M	Nicu30 Fe

Chemical Properties

Grade	C	Mn	Silicon	Sulphur	Copper	Iron	Nickel
N04400	0.3	2	0.5	0.024	28.00-34.00	2.5	63

Mechanical Characteristics

Room

Yield Strength		Ultimate Tensile Strength		Elongation percent in 2"	Elastic Modules (E)	
psi	(Mpa)	psi	(MPa)	(51 mm)	psi	(MPa)
35,000	-240	75,000	-520	45	26 x 10 ⁶	(180)

Hot Rolled

Yield Strength		Ultimate Tensile Strength		Elongation percent in 2"	Elastic Modules (E)	
psi	(Mpa)	psi	(MPa)	(51 mm)	psi	(MPa)
45,000	-310	80,000	-550	30	26 x 10 ⁶	-180

Heat Treated Properties

Condition of Supply	Heat Treatment (After Forming)				
Annealed/Spring Temper	Stress relieve at 300-320°C (570-610°F) for 1 hour and air cool.				
Condition	Approx Tensile Strength		Approx Service Temp.		
Annealed	400 - 600 N/mm ²	58 - 87 ksi	-200 to +230°C	-330 to +445°F	
Spring Temper	850 - 1050 N/mm ²	123 - 152 ksi	-200 to +230°C	-330 to +445°F	

Package



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15858820108



sales@zhehengsteel.com



stainless-steelseamlesspipe.com

No999 .wenzhou airport wenzhou city,zhejiang china