



Nickel Alloy
Pipe Cap

Basic Information



Overview

As a leading Chinese nickel alloy pipe & tube supplier, PIPING produces and manufactures various of nickel alloy pipe caps for your choice. Nickel alloy pipe caps, also called nickel alloy heads, are pipe fittings welded on the pipe end or installed on the external thread of the pipe end to cover the pipe. Nickel alloy pipe caps are cut from nickel alloy plates into a round shape and then formed. For this reason, we will choose high-quality nickel alloy plates as raw materials to ensure the quality of the finished products. Nickel alloy pipe caps have excellent corrosion resistance and high temperature resistance. We produce nickel alloy pipe caps in various materials and sizes according to the ISO 9001 standard.

PIPING supplies different nickel alloy grades: Monel(400, 401, K-500, etc), Inconel(600, 601, 625, 718, etc), Incoloy(800, 825, A-286, etc) and Hastelloy(B-2, C-22, C-276, etc). The outer diameter of our nickel alloy pipe cap ranges from 21.3mm to 1219mm. Customized size is also available. Our products have higher quality and lower price. Our sales are more professional and responsible. Please don't hesitate to contact us!

Specifications

- NPS: ½ ~ 48"
- SCH: 5 ~ XXS
- Classification: Hemispherical cap, elliptical/oval cap, dish cap, spherical cap

Standards

ASTM B366, ASTM B366M, ASTM B462, ASME B16.9, ASME B16.11, MSS SP-25, MSS SP-43

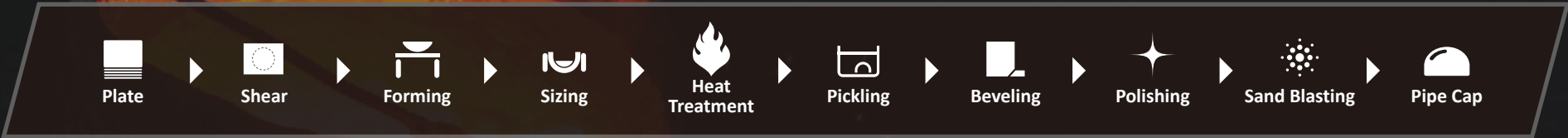
Features

Corrosion resistance, high temperature resistance, white surface.

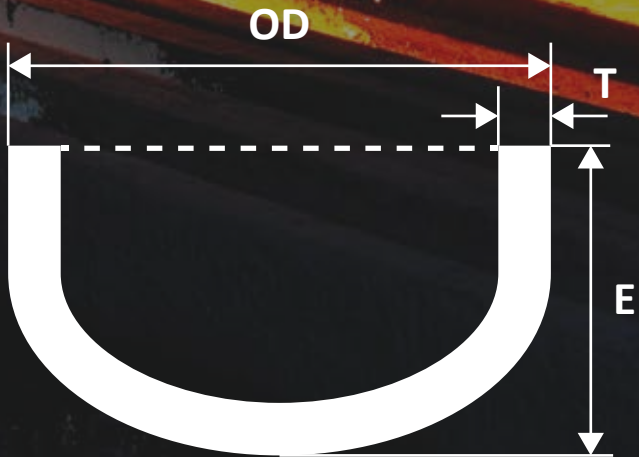
Applications

1. Ocean: Marine structures in the marine environment, seawater desalination, mariculture, seawater heat exchange, etc.
2. Environmental protection field: flue gas desulfurization device for thermal power generation, wastewater treatment, etc.
3. Energy field: nuclear power generation, comprehensive utilization of coal, sea tide power generation, etc.
4. Petrochemical industry: oil refining, chemical and chemical equipment, etc.

Manufacturing Process



Drawing



Dimensions

Nominal Pipe Size (NPS)	Outside Diameter atBevel, mm (in.)	Length, E, mm (in.)	Limiting Wall Thickness for Length, E, mm (in.)	Length, E1 , mm (in.)
1/2	21.3(0.84)	25(1.00)	4.57(0.18)	25(1.00)
3/4	26.7(1.05)	25(1.00)	3.81(0.15)	25(1.00)
1	33.4(1.32)	38(1.50)	4.57(0.18)	38(1.50)
5/4	42.2(1.66)	38(1.50)	4.83(0.19)	38(1.50)
3/2	48.3(1.90)	38(1.50)	5.08(0.20)	38(1.50)
2	60.3(2.38)	38(1.50)	5.59(0.22)	44(1.75)
5/2	73.0(2.88)	38(1.50)	7.11(0.28)	51(2.00)
3	88.9(3.50)	51(2.00)	7.62(0.30)	64(2.50)
7/2	101.6(4.00)	64(2.50)	8.13(0.32)	76(3.00)
4	114.3(4.50)	64(2.50)	8.64(0.34)	76(3.00)
5	141.3(5.56)	76(3.00)	9.65(0.38)	89(3.50)
6	168.3(6.62)	89(3.50)	10.92(0.43)	102(4.00)
8	219.1(8.62)	102(4.00)	12.70(0.50)	127(5.00)
10	273.0(10.75)	127(5.00)	12.70(0.50)	152(6.00)
12	323.8(12.75)	152(6.00)	12.70(0.50)	178(7.00)
14	355.6(14.00)	165(6.50)	12.70(0.50)	191(7.50)
16	406.4(16.00)	178(7.00)	12.70(0.50)	203(8.00)
18	457.0(18.00)	203(8.00)	12.70(0.50)	229(9.00)
20	508.0(20.00)	229(9.00)	12.70(0.50)	254(10.00)
22	559.0(22.00)	254(10.00)	12.70(0.50)	254(10.00)
24	610.0(24.00)	267(10.50)	12.70(0.50)	305(12.00)
26	660.0(26.00)	267(10.50)	...	...

28	711.0(28.00)	267(10.50)	...	...
30	762.0(30.00)	267(10.50)	...	...
32	813.0(32.00)	267(10.50)	...	...
34	864.0(34.00)	267(10.50)	...	...
36	914.0(36.00)	267(10.50)	...	...
38	965.0(38.00)	305(12.00)	...	...
40	1016.0(40.00)	305(12.00)	...	...
42	1067.0(42.00)	305(12.00)	...	...
44	1118.0(44.00)	343(13.50)	...	...
46	1168.0(46.00)	343(13.50)	...	...
48	1219.0(48.00)	343(13.50)	...	...

- Note:
1. Length E applies for thickness not exceeding that given in column “Limiting Wall Thickness for Length, E.”

2. Length E1 applies for thickness greater than that given in column “Limiting Wall Thickness for Length, E” for NPS 24 and smaller. For NPS 26 and sublarger, length E1 shall be by agreement between the manufacturer and purchaser.

Delivery State

Delivery State Choice	Surface Condition
Annealed	Pickled
	Polished
	Sand Blasted

- Note:
1. If you require different deliver state than the above listed, kindly confirm with us.

2. In case of any enquiry or order, please kindly let us know any extra requirement not indicated here.

FAQ

Q	Can you polish the nickel alloy pipe cap?	A
	Yes, if you have the corresponding needs, we will perform internal and external polishing.	
Q	What are the sizes of nickel alloy pipe caps?	A
	The outside diameter ranges from 21.3mm to 1219mm. The wall thickness ranges from 4.57mm to 12.7mm.	
Q	What are the main grades of nickel alloy pipe cap?	A
	Monel 400, Monel K-500, Inconel 600, Inconel 625, Inconel 718, Incoloy 800, Incoloy 825, Hastelloy B-3, Hastelloy C-276, etc.	
Q	Where's your main market?	A
	South America, North America, Asia, Middle East, Europe, Africa etc.	
Q	What is your standard packaging?	A
	For smaller pipe caps, we will pack each pipe cap individually with plastic bag, and finally put it in wooden case for protection. For larger pipe caps, we will use thick woven plastic bags to individually pack the finished products and place them on wooden pallets for further protection.	

Package



Plastic Bag



Wooden Case



Wooden Pallet

At PIPING, all our nickel alloy pipe caps are packed in accordance with international standards to prevent any possible damage or loss. For smaller pipe caps, we will pack each pipe cap individually with plastic bag and finally put it in a wooden box for protection. For larger pipe caps, we will use thick woven plastic bags to individually pack the finished products and place them on wooden pallets for further protection. Please note that wooden cases may incur additional costs, not only their own costs, but also increase freight costs, especially for air transportation. In order to enhance the customer experience, we also provide special packaging according to your special requirements.

Logistics



By Sea



By Air

Sea transportation is the most popular for most orders, hence regarded as the default transportation mode. Accordingly, quotation is thus made as per FOB, CFR, CIF etc.. For urgent demand, we can also offer as per air transportation.

