



Pipe End Cap Dimensions



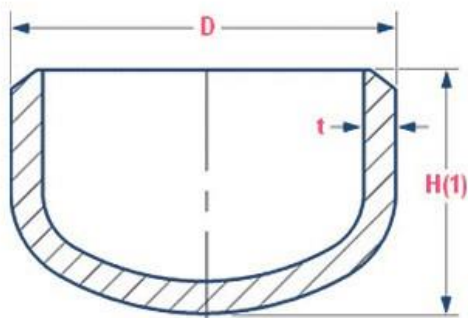
 **Piping**
material.ae

Explore Alloys & Verified suppliers in Middle East

مواد الأنابيب

اكتشف المسببات والموردين المعتمدين في الشرق الأوسط

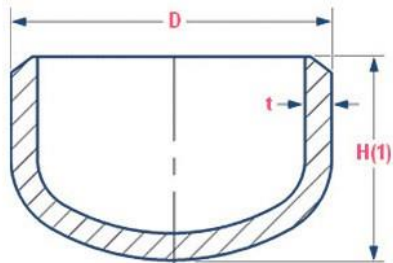
www.pipingmaterial.ae



أبعاد غطاء نهاية الأنبو

Pipe end cap dimensions

Normal Pipe Size	Outside Diameter (D)	Length Of (H)	Length Of H(1)
1/2	21.3	25	25
3/4	26.7	25	25
1	33.4	38	38
1.1/4	42.2	38	38
1.1/2	48.3	38	38
2	60.3	38	44
2.1/2	73	38	51
3	88.9	51	64
3.1/2	101.6	64	76
4	114.3	64	76
5	141.3	76	89
6	168.3	89	102
8	219.1	102	127

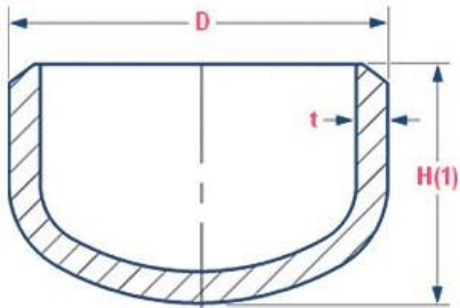


أبعاد غطاء نهاية الأنبو

Pipe end cap dimensions



Normal Pipe Size	Outside Diameter (D)	Length Of (H)	Length Of H(1)
18	457	203	229
20	508	229	254
22	559	254	254
24	610	267	305
26	660	267	-
28	711	267	-
30	762	267	-
32	813	267	-
34	864	237	-
36	914	267	-
38	965	305	-
40	1016	305	-
42	1067	305	-
44	1118	343	-
46	1168	343	-
48	1219	343	-



أبعاد غطاء نهاية الأنبو

Pipe end cap dimensions

Normal Pipe Size	Outside Diameter (D)	Length Of (H)	Length Of H(1)
32	813	267	-
34	864	237	-
36	914	267	-
38	965	305	-
40	1016	305	-
42	1067	305	-
44	1118	343	-
46	1168	343	-
48	1219	343	-

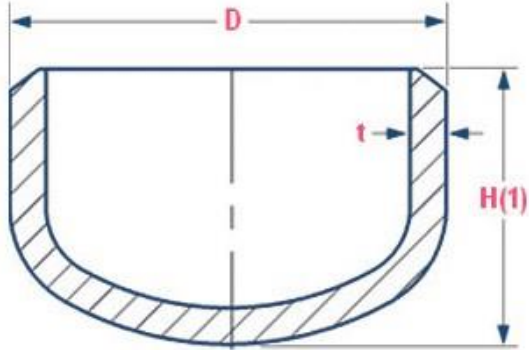


أحجام غطاء نهاية الأنابيب

Pipe end cap sizes



Outside Diameter	ND	Size in Inches
88.9	80	3
114.3	100	4
141.3	125	5
168.3	150	6
219.1	200	8
273	250	10
323.8	300	12
355.6	350	14
406.4	400	16
457.2	450	18
508	500	20
558.8	550	22
609.6	600	24



بعقب اللحام كاب الأبعاد التسامح

Butt weld cap dimensional tolerances

NPS	1/2 to 2.1/2	3 to 3.1/2	4	5 to 8
O.D. at Bevel (D)	+ 1.6 - 0.8	1.6	1.6	+ 2.4 - 1.6
I.D. at End	0.8	1.6	1.6	1.6
Overall Length Of (H)	3	3	3	6
NPS	10 to 18	20 to 24	26 to 30	32 to 48
O.D. at Bevel (D)	+ 4 - 3.2	+ 6.4 - 4.8	+ 6.4 - 4.8	+ 6.4 - 4.8
I.D. at End	3.2	4.8	+ 6.4 - 4.8	+ 6.4 - 4.8
Overall Length Of (H)	6	6	10	10
Wall Thickness (t)	Not less than 87.5% of Nominal Wall Thickness			



الأشكال الشائعة لتركيب الأنابيب ذات الغطاء النهائي

Common Shapes of End Cap Pipe Fitting



Round End Cap



Square End Cap



Rectangular End Cap



"U" Shape Cap



"I" Shape Cap



Hex End Cap



Pipe End Cap



End Cap Pipe Fitting



Pipe Stop End Cap



Size Range: DN15 to DN1400

Thickness: SCH10 To SCH 160

Size Range: 1/2" to 36"

Max. Wall Thickness: 200mm

Connect Method: Butt welding

Material: Carbon, Stainless, and Alloy Steel, Nickel Alloy

Pressure: SCH5 to SCH160



What is NPS in pipe end cap dimensions?

Many industrial applications must protect the ends of pipes and other essential fittings. A pipe cap can also remove air blocks in water pump lines. The Nominal Pipe Size or NPS in pipe end caps determines the standard sizes for pipes used in different pressures and temperatures. It relates to the inside diameter in inches.

NPS and the schedule number help you choose the suitable fittings for your application. So, for a specific NPS, wall thickness increases, but the outside diameter remains constant. The inside diameter also depends upon the pipe wall thickness and impacts the.

A pipe stop end cap gets designed based on the shape of the piping. You will find it in construction, cement industries, shipbuilding, pneumatic pipes, and domestic plumbing. Industrial water supply lines and the heavy machinery sector also employ them.

What are pipe end cap sizes?

Figuring out the accurate size of fittings is imperative for optimal system performance. Pipe end caps are available in different sizes based on the piping. You can find pipe end cap sizes by measuring the outer diameter, thread size, length and head types in various shapes like round, square, etc. If you use a threaded end cap, you can use a male or a female connection.



The nominal diameter and the height of the end cap will determine the standard end cap dimensions you choose for your requirements. The thread diameter of the pipe is the prime factor affecting the size unless you use a tapered thread.

What is the deep drawing method in end cap pipe fitting?

It is a popular manufacturing method used to design pipe end caps. Here, an end cap gets built using a drawing press. The press cuts a plate into sheet metal stock or blanks in various shapes. These shapes are deep when compared to their diameters. The blank then gets stretched around a plug. Finally, it gets shifted to a molding cutter or a die. The shape you obtain at the end will depend on the end position of the blanks.

Usually, deep drawing uses malleable metallic materials like stainless steel and carbon steel. It should also tolerate stress and tension well. This method can manufacture a precise and high-performing end cap pipe fitting.

How to connect the pipeline with the steel pipe end cap?

You can join the pipe end cap directly by welding. It gets fitted at the end of the piping. You may use different types of welding, like socket, butt, or Electric Resistance Welded (ERW). Importantly, if you use a weld cap, you will leave some inches of piping before the cap. It ensures that when the steel pipe end cap gets cut off in future, a substantial portion of the piping remains for a new fitting.

You can also install a welding flange and a blind flange to let you undergo periodic checks. Another technique is to use simple pressure pressing. The design of the pipe end cap affects the approach feasible for your application. For instance, plane end, bevel end, or direct fit to the pipe.

www.pipingmaterial.ae

piping
material.ae

Explore Alloys & Verified suppliers in Middle East

مواد الأنابيب

اكتشف المسبلك والموردين المعتمدين في الشرق الأوسط



Email :
support@pipingmaterial.ae

Call :
+971 553561751

Address :
Office no. 1309, 13th Floor,
Creative Tower, Fujairah, Post Box 4422,
UAE (United Arab Emirates)