

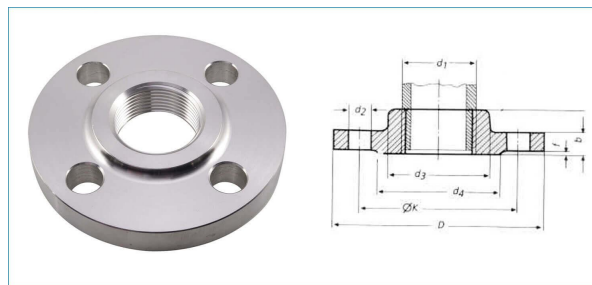
Threaded/Screwed Flange

What Are Threaded Flanges?

Threaded Flange is a pipe flange that is threaded to the pipe and can be installed without welding, suitable for low pressure, small diameter or frequent disassembly scenarios.

Threaded/Screwed Flanges have threads and can be fitted to pipes that have external threads. Threaded/Screwed Flanges are low priced, fit best for small pipes and can be used in low-pressure applications. They are very beneficial in highly combustible industries where welding is dangerous.

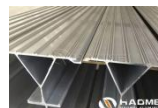
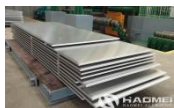
Threaded Flange Structural Features:



- Internal thread design: The flange bore is machined with internal threads (generally tapered thread NPT or parallel thread BSP), which are matched with the pipe external threads for screwing.
- Sealing surface type: common convex (RF), flat (FF) or ring joint surface (RTJ), through the thread sealant or gasket to achieve sealing.
- Weldless connection: relies on threaded occlusion fixing, avoiding the effect of high temperature welding on material properties.
- Flange holes: bolt holes are evenly distributed for easy alignment and fastening with other flanges.

Threaded Flanges Product Specification:

Dimensions	ANSI B16.5, ANSI B16.47 Series A & B, MSS SP44, ASA, API-605, AWWA,
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	Custom Drawings
Size	1/2" (15 NB) to 48" (1200NB)
Class	150 LBS, 300 LBS, 600 LBS, 900 LBS, 1500 LBS, 2500 LBS, DIN Standard ND-6,10, 16, 25, 40 Etc.
DIN	DIN2527, DIN2566, DIN2573, DIN2576, DIN2641, DIN2642, DIN2655, DIN2656, DIN2627, DIN2628, DIN2629, DIN 2631, DIN2632, DIN2633, DIN2634, DIN2635, DIN2636, DIN2637, DIN2638, DIN2673
BS	BS : BS4504 , BS4504, BS1560, BS10
Flange Face Type	Flate Face (FF), Raised Face (RF), Ring Type Joint (RTJ)

Types of Aluminum Threaded Flanges:

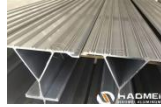
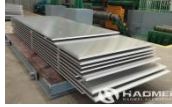
Screwed Flanges	Threaded Pipe Flange
ANSI B16.5 Threaded Flanges	Threaded Flange Dimensions
ASME B16.5 Screwed Flanges	ANSI B16.5 Class 150 Threaded Flanges
Threaded Plate Flanges	ASME B16.47 Screwed Flanges
ANSI B16.5 class 150 Screwed Flanges	ANSI 150 Threaded Flange Distributors

Threaded Flanges Core Advantages:

- Easy installation: no welding required, suitable for environments where fire is prohibited (e.g. flammable and explosive areas) or temporary piping systems.
- Removability: easy to maintain and reuse, suitable for interfaces that require frequent disassembly (e.g., instrumentation, valve connections).
- Economy: save welding cost and time, especially for small diameter low pressure pipeline.
- Material compatibility: suitable for materials with poor weldability (e.g. cast iron, certain alloys).

Applications of Aluminum Threaded Flanges:

- Low pressure utility systems: water treatment, fire hoses, compressed air piping.
- Gas distribution: low-pressure natural gas or liquefied petroleum gas (LPG) piping.
- Chemical industry: low-pressure transportation of non-corrosive media (need to cooperate with sealant).



- Instrumentation and equipment connection: pressure gauges, sensors, interfaces for small pumps and valves.
- Special environment: mines, oil and gas wellheads and other places that require explosion-proof.

