

Carbon Steel Weld Neck Flange

This weld neck flange is made of carbon steel and designed for connecting pipes. It is available in sizes from 1/2 inch to 88 inches.



Overview

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This carbon steel weld neck flange is engineered for robust performance in high-pressure and high-temperature industrial environments. Designed with a raised face and a smooth transition profile, it effectively minimizes turbulence and stress concentration at the connection point. Its weld neck configuration facilitates secure butt-welding to pipes, ensuring a reliable, leak-proof integration suitable for critical infrastructure.

Technical Specifications

Flange Type	Weld Neck
Face Type	Raised Face
Material	Carbon Steel

Application

Performance Features

- High-pressure resistance
- High-temperature tolerance
- Minimized turbulence
- Reduced stress concentration
- Secure butt-weld connection

Suitable Industries	Oil and Gas, Chemical Processing, Power Generation
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