

Expanding Gate Valve

Expanding Gate Valve is manufactured in accordance with API-6D.

This type of valve is suitable for onshore and offshore applications where suspended and abrasive solids are present in the fluid or for oil and gas transportation and isolation service.

Expanding Gate Valve are full opening valves with rising stem and Parallel Expanding Gate and segment for tight mechanical seal and positive shut-off, both upstream and downstream and under both low and high differential pressure.

The Double Block and Bleed design offers a proper seal in between both seats and the gate in high and low pressure, for this reason, line pressure is not needed to seal the valve.

Production Range

- Available Size : NPS 2" ~ 36"
- Pressure Rating : ASME Class 150 to Class 1,500
- Service Temperature : Up to +500°C
- Optional Operation : Manual (Hand Wheel or Gear Box)
- Materials

Carbon Steel	Duplex Stainless Steel	Special Alloy Steel
ASTM A216 – WCB or Equivalent	ASTM A995 – 1A 2A 4A 5A or Equivalent	Inconel 625 825 or Equivalent Hastelloy C Monel or Equivalent
Alloy Steel	Stainless Steel	Bronze Steel
ASTM A217 – WC6 WC9 C5 C12 C12A or Equivalent	ASTM A351 – CF8 CF8M CF3 CF3M CN7M or Equivalent	ASTM B148 – C95800 ASTM B62 – C83600 ASTM B61 – C92200 Bronze or Equivalent

Design Standards

- Design : API 6D, ASME B16.34
- Face to Face : APID 6D, Maker Standard
- End Flange : ASME B16.5
- Butt-Welding Ends : ASME B16.25
- Test : API 598, BS 6755, API 6D
- Special : NACE MR – 01 – 75, MR – 01 – 03

