

GATE VALVES **EXPANDING GATE** TOPSIDE

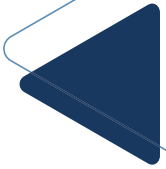
Petrolvalves has been manufacturing Gate valves since the early 1960s, and has been involved in some of the largest oil & gas projects in the industry. Expanding Gate Valves can be used in many applications and comply with main international standards and codes:

- ANSI
- ASME
- ISO
- PED
- API
- BS
- NACE

API 600 Design Standard

Bonnet Design	Bolted Bonnet	Pressure Seal
Seat type	Metal seated	
Material Selection	LTCS or Low Alloy Steel + CRA Cladding Duplex, Super Duplex, Ni Alloy Forged TCC or CCC, Stellite Hardfacing PTFE / RPTFE Insert	LTCS or Low Alloy Steel + CRA Cladding Duplex, Super Duplex, Ni Alloy Forged TCC or CCC, Stellite Hardfacing PTFE / RPTFE Insert
Seals / Gaskets	Elastomers Thermoplastics / Metallic Graphite	Elastomers Thermoplastics / Metallic Graphite
Design features	Full/Reduced Bore Bidirectional/Unidirectional Anti Blowout Stem	Full/Reduced Bore Bidirectional/Unidirectional Anti Blowout Stem
Special features	NACE Requirement Special bore By-pass Live loaded packing Soft seated Extended stem Extended bonnet	NACE Requirement Special bore By-pass Live loaded packing Soft seated Extended stem Extended bonnet
End connection	Flanged (RF / RTJ, compact, studded) Buttwelded ends Hub	Flanged (RF / RTJ, compact, studded) Buttwelded ends Hub
Operators	Handwheel or manual gear Electric Multi-Turn Linear Pneumatic actuator	Handwheel or manual gear Electric Multi-Turn Linear Pneumatic actuator
Product Range	#150 to #600 - 2" to 64" #900 - 2" to 54" #1500 - 2" to 48" #2500 - 2" to 30"	#150 to #600 - 2" to 64" #900 - 2" to 54" #1500 - 2" to 48" #2500 - 2" to 30"





▶ API 6A Design Standard

Bonnet Design	Bolted Bonnet	Pressure Seal
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Material Selection	LTCS or Low Alloy Steel + CRA Cladding Duplex, Super Duplex, Ni Alloy Forged TCC or CCC, Stellite Hardfacing PTFE / RPTFE Insert	LTCS or Low Alloy Steel + CRA Cladding Duplex, Super Duplex, Ni Alloy Forged TCC or CCC, Stellite Hardfacing PTFE / RPTFE Insert
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Operators	Handwheel or manual gear Electric Multi-Turn Linear Pneumatic actuator	Handwheel or manual gear Electric Multi-Turn Linear Pneumatic actuator
Product Range	3k to 5k - 1 ³ / ₁₆ " to 34" 10k - 1 ³ / ₁₆ " to 16" 15k - 1 ³ / ₁₆ " to 10"	3k to 5k - 1 ³ / ₁₆ " to 34" 10k - 1 ³ / ₁₆ " to 16" 15k - 1 ³ / ₁₆ " to 10"

