

Safe, Durable, Economic

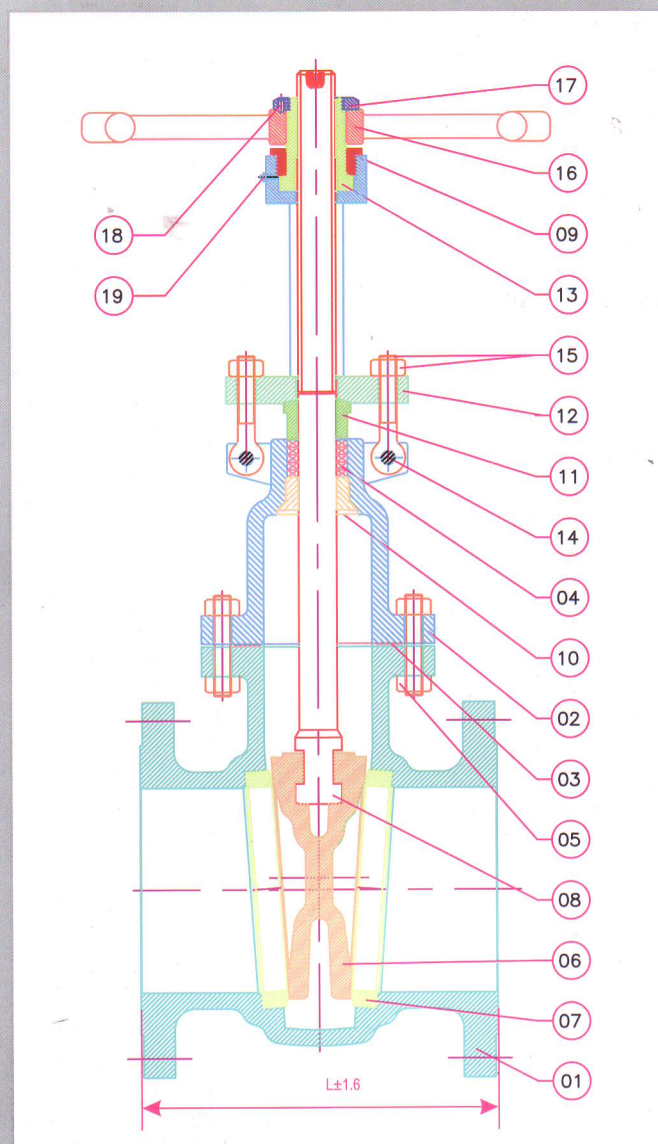
GATE VALVE

SALIENT FEATURE

- Meets design requirement of ASME B 16.34 / API 600 / API603 / API 6D and testing requirement API 598 / BS 6755 / API6FA / ISO 5208
- **Outside Screw and Yoke Construction**
- Valves provided with **back seating arrangement**
- Solid, flexible, split wedge and parallel slide are available
- Renewable, seal welded seat ring or integral seat (**Cast SS. only**) available.
- Specially designed die formed **graphite packing**, controlled clearance between stem, gland and bonnet bushing for guaranteed low emissions meet 100 PPM maximum fugitive emission levels.
- **Anti - friction ball thrust bearing** in yoke sleeve for higher size and classes
- **Grub Screw** : Secures yoke nut in the bonnet
- **Gress Nipple** : Supplies lubricant to the mating parts
- **Flanged End or butt welding end**
- Flanged end dimensions conform to ANSI / ASME B 16.5 / API 605 / DIN / BS 3293
- **Butt welding end dimensions conform to ANSI / ASME B 16.25**
- **Face to Face and End Dimensions conform to ASME / ANSI B 16.10 / DIN / BS 2080**
- **Bi - directional shut-off**

MATERIAL OF CONSTRUCTION

No.	Part Name	Material
19	Grease Nipple	Carbon Steel
18	Grub Screw	Carbon Steel
17	Hand Wheel Nut	Carbon Steel
16	Hand Wheel	Malleable Iron / Cast Steel / Ductile Iron / Fabricated Steel
15	Eye Bolt and Nut	Forged Carbon Steel / S.S.
14	Cross Bolt and Nut	Forged Carbon Steel / S.S.
13	Yoke Sleeve	A 439-D2 / Al. Bronze /EN-1
12	Gland Flange	Carbon Steel / S.S.
11	Gland Bush	AISI 410 / 304 / 316
10	Back Seat	AISI 410 / 304 / 316
09	Yoke Nut	Carbon steel
08	Spindle	AISI 410 / 304 / 316
07	Seat Ring	AISI 410 / 304 / 316 / WCB WITH 13% Cr. OR Stellite.
06	Wedge	A 217 Gr. CA15 / WCB WITH 13% Cr. OR Stellite / A351 Gr. CF8 / CF8M.



OPTIONS

- **Extended bonnet** provided for low temperature and cryogenic services (cold box and non cold box applications) to conform to requirement of BS 6364
- **Deep stuffing box - with lantern ring**
- **Self - aligning two piece gland**
- **Gear Box / Chain Wheel** design available
- **Electric or pneumatic actuator** design available
- **Ring joint facings** available in higher classes
- **Locking arrangement** optional
- **By-Pass, Drain Plug** design available
- **Stellited seating hard facing** are provided on request
- **Alloy-20, Monel, Hstelloy B & C, CF3 & CF3M** Materials on request
- **We can offer valves under X-ray quality** on request

No.	Part Name	WCB	LCB	WC6	WC9
05	Stud and Nut	A 193 Gr B7 / A194 Gr 2H	A 320 Gr L7 / A194 Gr 4	A 193 Gr B16 / A 194 Gr 4/7	A 193 Gr B16 / A 194 Gr 4/7
04	Gland Packing	Graphited Asbestos	Graphited Asbestos	Graphited Asbestos	Graphited Asbestos
03	Gasket	Spiral Wound	Spiral Wound	Spiral Wound	Spiral Wound
02	Bonnet	A 216 Gr WCB	A 352 Gr LCB	A 217 Gr WC6	A 217 Gr WC9
01	Body	A 216 Gr WCB	A 352 Gr LCB	A 217 Gr WC6	A 217 Gr WC9
No.	Part Name	C5	C12	CF8	CF8M
05	Stud and Nut	A 193 Gr B16 / A194 Gr 4/7	A 193 Gr B16 / A194 Gr 4/7	A 193 Gr B7/ B8 / A 194 Gr 2H/8	A 193 Gr B7/ B8M /A 194 Gr 2H/8M
04	Gland Packing	Graphited Asbestos	Graphited Asbestos	Graphited Asbestos/PTFE	Graphited Asbestos /PTFE
03	Gasket	Spiral Wound	Spiral Wound	Spiral Wound	Spiral Wound
02	Bonnet	A 217 Gr C5	A 217 Gr C12	A 351 Gr CF8	A351 Gr CF8M
01	Body	A 217 Gr C5	A 217 Gr C12	A 351 Gr CF8	A351 Gr CF8M