

## AV-302 F.C.S. (A105) Gate Valve, Class-800

### Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid Wedge, SS Trim

Socket Welded Ends as Per ASME B-16.11

Product Standard : API-602/ EN-15761

### Test Pressure

Body - 207 Bar (Hyd.)

Seat - 152 Bar (Hyd.)

Testing Standard : API-598/ BSEN-12266-1

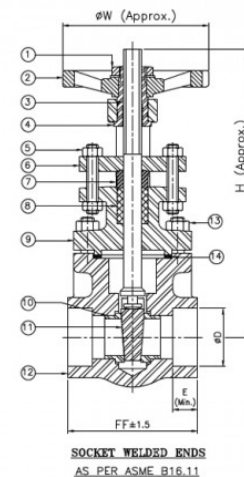
### Suitability

Water, Steam, Oil



### Material Combination

P.No.	Name of Part	Material	Specification
		A105	A105
1	Handwheel Retaining Nut	Carbon Steel	-
2	Handwheel	M.I.	ASTM A338
3	Stem	Stainless Steel	ASTM A276 TYPE 410
4	Yoke Sleeve	Stainless Steel	ASTM A276 TYPE 410
5	Stud Bolts & Nuts	Alloy Steel/ H.T. Steel	ASTM A193 Gr.B7/ ASTM A194 Gr.2H
6	Gland Flange	Forged Carbon Steel	ASTM A105
7	Gland Follower	Stainless Steel	ASTM A276 TYPE 410
8	Gland Packing	Flexible Graphite	-
9	Bonnet	Forged Carbon Steel	ASTM A105
10	Body Seat Ring	Stainless Steel	ASTM A276 TYPE 410
11	Wedge	Stainless Steel	ASTM A182 Gr. F6a
12	Body	Forged Carbon Steel	ASTM A105
13	Stud Bolts & Nuts	Alloy Steel/ H.T. Steel	ASTM A193 Gr. B7/ ASTM A194 Gr. 2H
14	Gasket	Spiral Wound S.S. 304 Graphoil	-



### Dimensional Data

Nominal Size (mm)	FF ±1.5	H	ØW	ØD	E (Min.)
10	80	132	80	17.6/18.0	9.5
15	80	132	80	21.8/22.2	9.5
20	88	142	80	27.2/27.6	12.5
25	100	175	90	33.9/34.3	12.5
32	104	215	152	42.7/43.1	12.5
40	104	215	152	48.8/49.2	12.5
50	116	245	152	61.2/61.7	16