



**FORGED STEEL**  
**INTEGRAL FLANGED GATE VALVES**  
**JIS 10K/20K**

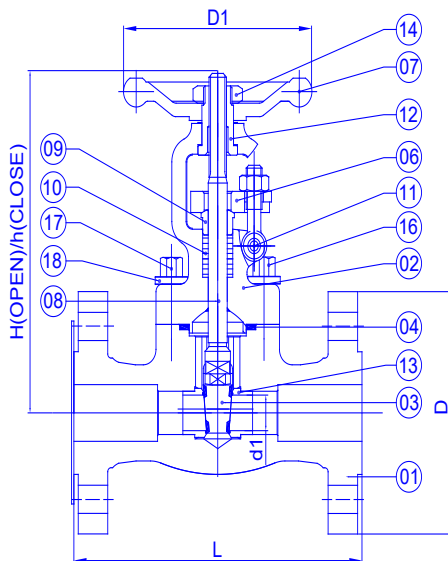
**FIG.FX45A Series**

**Bill of Materials & Parts**

Part No.	Part Name	QTY	ASTM Specifications(Specs.-Grades/Types)											
			A105	A350	A182									
				LF2	F11	F22	F5	F9	F304	F304L	F316	F316L		
1	BODY	1	A105	A350-LF2	A182-F11	A182-F22	A182-F5	A182-F9	A182-F304	A182-F304L	A182-F316	A182-F316L		
2	BONNET (BUSH)*	1	A105	A350-LF2	A182-F11	A182-F22	A182-F5	A182-F9	A182-F304	A182-F304L	A182-F316	A182-F316L		
3	WEDGE	1	A276-420+STLT						A276-304+STLT	A276-304L+STLT	A276-316+STLT	A276-316L+STLT		
4	GASKET	1	GRAFOIL 316L SPIRAL WOUND											
6	GLAND FLANGE	1	A181 / A216-WCB					A351-CF8 / A182-F304						
7	HAND WHEEL	1	A536 (65-45-12)											
8	STEM	1	A276-410						A276-304	A276-304L	A276-316	A182-316L		
9	GLAND	1	A276-410						A276-304					
10	GLAND PACKING	A/R	SLADE #3300i											
11	EYE BOLT PIN	2	A580-410T						A580-304A					
12	YOKE SLEEVE	1	A276-410 + Nitrided											
13	SEAT RING	1	A276-410+STLT						A276-304+STLT	A276-304L+STLT	A276-316+STLT	A276-316L+STLT		
14	HAND WHEEL NUT	1	A181 / A536											
16	BONNET BOLT	A/R	A193-B7			A193-B16			A193-B7					
17	EYE BOLT	2	A193-B7			A193-B16			A193-B7					
18	EYE BOLT NUT	2	A194-2H			A193 GR.7			A194-2H					

- NOTE : (1) Integral Flanged Body.  
 (2) \*Stellite Hard Faced. (Option)  
 (3) KING GATE Reserves The Right To Change Designs, Materials or Specifications Without Notice.  
 (4) Other Materials Also Available on Requested.

Unit : mm



JIS 10K						
SIZE	dt	D	D1	L	H [OPEN]	Wts.-kg [APPROX.]
1/2"	10.50	90.0	100.0	108.00	158/146	3.2
3/4"	13.50	100.0	100.0	118.00	163/148	3.6
1"	18.00	110.0	125.0	127.00	196/176	5
1-1/2"	29.00	127.0	160.0	165.00	233/202	10.5
2"	36.50	152.0	180.0	178.00	267/228	16.1

JIS 20K						
SIZE	dt	D	D1	L	H [OPEN]	Wts.-kg [APPROX.]
1/2"	10.50	95.0	100.0	140.00	158/146	3.9
3/4"	13.50	117.0	100.0	152.00	163/148	5.3
1"	18.00	125.0	125.0	165.00	196/176	6.8
1-1/2"	29.00	155.0	160.0	190.00	233/202	13.3
2"	36.50	165.0	180.0	216.00	267/228	17.4

**DESIGN DESCRIPTION**

Integral Flanged Body.  
 Bolted Bonnet  
 Outside Screw and Yoke  
 Wedge Disc  
 Rising Stem and Non-Rising  
 Handwheel  
 Renewable Seat Ring

**STANDARD**

Steel Gate Valves : API 602  
 Steel Valves : ASME B16.34  
 Face to Face : JIS B 2002  
 End Flanges : JIS B 2210  
 Pressure Test : JIS B 2003