



Dimensions (mm)

NPS	DN	L	D	C	G	O	t	Z-Ød	H	H1						
11/2"	40	165	38	73.2	98	127	15	4-Ø14	370	320						
2"	50	178	51	92.0	114	152	16	4-Ø18	393	335						
2 1/2"	65	190	64	104.5	127	178	18	4-Ø18	420	350						
3"	80	203	76	127.0	146	190	19	4-Ø18	525	435						
4"	100	229	102	157.0	178	229	24	8-Ø18	625	510						
5"	125	254	125	185.5	210	254	26	8-Ø18	685	550						
6"	150	267	152	216.0	235	279	26	8-Ø22	762	600						
8"	200	292	203	270.0	292	343	29	8-Ø22	990	780						

No.	PART	MATERIAL
1	Body	ASTM A351 CF8M
2	Seat Ring	ASTM A351 CF8M
3	Wedge	ASTM A351 CF8M
4	Stem	ASTM A182 F316
5	Gasket	Graphite + SS 316
6	Bonnet	ASTM A351 CF8M
7	Stud	ASTM A193 B8M
8	Nut	ASTM A194 8M
9	Backseat	ASTM A351 CF8M
10	PackKing	Graphite
11	Pin	S.S
12	Gland Bolt	ASTM A193 B8M
13	Gland Nut	ASTM A194 8M
14	Bushing	S.S
15	Gland	ASTM A351 CF8M
16	Lubricator	Cu
17	Stem Nut	ZcuAl10Fe3 Bronze
18	Handwheel	ASTM A47
19	Handwheel Lock Nut	C.S + Cr
20	Retaining Nut	C.S + Cr
21		
22		
23		
24		
25		
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29		
30		

Test Pressure	Shell Test	3.0 MPa	
	Seal Test	2.2 MPa	
	Air Test	0.6 MPa	
	Suitable Temp.	-29 ~ 425 °C	
Standard	Face to Face	ASME B16.10	
	End Connection	AS2129 Table E	
	Valve Design	ASME B16.34 & API 600	
	Valve Test	API 598	
Drawing No.	Date	Figure No.	Rev No.
JY	May 28, 2014	SG-R-A1-TE	002
Gate Valve,		Table E	