



NPS	DN	Typical Dimensions			PN16 Flange Dimensions					
		L	-	-	D	D1	D2	b	f	Z-φd
-	50	250	-	-	165	125	102	18	3	4-18
-	80	280	-	-	200	160	138	20	3	8-18
-	100	300	-	-	220	180	158	20	3	8-18
-	150	350	-	-	285	240	212	22	3	8-22

Performance Specification			
		PN	16
Test Pressure	Shell test	2.4	MPa
	Seal test	1.8	
	Back seal Test	1.8	
	Air Seal Test	0.4~0.7	

Notice:

- 1.Design by EN 1984
- 2.Face to Face by EN 558-1
- 3.RF Flange by EN 1092-1
- 4.Valves tested by EN 12266-1
- 5.On DN150 and Large Valves the Stem Nut with Ball Bearing
- 6.On DN150 and Large Valves the Bonnet with Yoke

14	Handwheel	CAST IRON	
13	Axletree	E51100	
12	Stem Nut	Al-Bronze	
11	Yoke	ASTM A351-CF8M	
10	Packing	FLEXIBLE GRAPHITE	
9	Back Seat	integral metal	
8	Bonnet	ASTM A351-CF8M	
7	Gasket	FLEXIBLE GRAPHITE/316	
6	Bonnet Bolt Nut	ASTM A194 Gr.8	
5	Bonnet Bolt	ASTM A193 Gr.B8	
4	Stem	ASTM A182-F316	
3	Wedge Disc	ASTM A351-CF8M	
2	Seat	deposited stellite	
1	Body	ASTM A351-CF8M	
NO	PART NAME	MATERIAL	REMARKS

GATE VALVE

FIG NO

DESIGN BY	Huanggd	20160409		
CHECKED BY	Huangxy	20160409		
STANDARD BY			DRAWING NO	REV
APPROVED BY				
THE USER CONFIRM			DATE	