



Performance Specifications

CLASS 300			
Test Pre- ssure	Shell Test	7.7	MPa
	Back Seal Test	5.65	
	Seal Test	5.65	
	Air Test	0.6	
SuitableTemp.	-29~425 °C		
Suitable Media	W.O.G.etc		

17	Stem Packing	Flexible Graphite
16	Stem Nut	ASTM A276 410
15	Lubricating Washer	ASTM A276 410
14	HandWheel	ASTM A197
13	Lock Nut	AISI 1025
12	Gland Nut	ASTM A194 2H
11	Gland Flange	ASTM A105
10	Gland Eyebolt	ASTM A193 B7
9	Gland	ASTM A276 410
8	Pin	AISI 1025
7	Hex. Bolt	ASTM A193 B7
6	Bonnet	ASTM A105
5	Gasket	SS304+Flexible Graphite
4	Stem	ASTM A182 F6a
3	Wedge	ASTM A276 420+STL
2	Seat Ring	ASTM A276 410
1	Body	ASTM A105
No.	Parts Name	Material

Technical Requirements

1. Design & manufacture conform to API 602
2. Face to Face dimension conforms to ASME B16.10
3. Flange dimension conforms to ASME B16.5
4. Test & Inspect conform to API 602

CLASS	NPS	Main Dimension (mm)						
		D1	D2	D3	b	f	L	n-φ
300	1/2	97	66.5	35	14.5	1.6	140	4-φ16
	3/4	117	82.5	43	16	1.6	152	4-φ19
	1	124	89	51	17.5	1.6	165	4-φ19
	1 1/4	133	98.5	63.5	19.5	1.6	178	4-φ22
	1 1/2	156	114.5	73	21	1.6	190	4-φ22
	2	165	127	92	22.5	1.6	216	4-φ19



DIE ERSTE INDUSTRY CO., LTD,
TAICHUNG, TAIWAN

SHEET 1 OF 1		DRWN BY: Simon 2015/08/28	APPROVAL:	UNIT: mm	DO NOT SCALE DRAWING	TITLE: A105 Gate valve 1/2"--2" Class300	REV 1.0
REMARK	TD.L			PROJECT: 	DWG. NO.		