

# SHANGHAI CIPHY INDUSTRY CO.,LTD.

## ANSI CLASS 150/300/600/900/1500

### CARBON STEEL OR STAINLESS STEEL

### BALL VALVE TOP ENTRY TYPE

#### MODEL NO: SLAXRF-TE



#### BALL VALVE PRODUCT'S SIZE:

PRESSURE GRADE	FROM	TO
CLASS 150	4"	36"
CLASS 300	4"	36"
CLASS 600	2"	24"
CLASS 900	2"	16"
CLASS 1500	2"	12"

#### DESIGN DESCRIPTION:

- \* BOLTED CAP, TOP ENTRY
- \* FULL PORT
- \* CONNECTRION: RF, RTJ
- \* FLANGE TYPE(ANSI,DIN,BS)

#### WORKING PRESSURE AND TEMPERATURE

WORKING TEMPERATURE		
MATERIAL	CELSIUR SCALE	FAHRENHEIT
CARBON STEEL	-29 <sup>0</sup> C~425 <sup>0</sup> C	6 <sup>0</sup> F~822 <sup>0</sup> F
STAINLESS STEEL	-40 <sup>0</sup> C~550 <sup>0</sup> C	15 <sup>0</sup> F~1047 <sup>0</sup> F

#### GENERAL DESIGN SPECIFICATIONS:

ITEM	CLASS 150/300/600/900/1500
MANUFACTURE	BS5351 AND NECE MR0175
PRESSURE-TEMPERATURE RATINGS	ANSI B16.34
FACE TO FACE	ANSI B16.10
END FLANGE	ANSI B16.5
INSPECTION AND TEST	API 598 OR BS 6755

#### TEST PRESSURE TO API 598:

ANSI	SHELL (WATER)		SEAT (WATER)		SEAT (AIR)	
150	3.1MPA	450PSI	2.2MPA	315PSI	2.2MPA	315PSI
300	7.8MPA	1125PSI	5.6MPA	815PSI	5.6MPA	815PSI
600	15.3MPA	2225PSI	11.2MPA	1630PSI	11.2MPA	1630PSI
900	7.8MPA	1125PSI	5.6MPA	815PSI	0.6MPA	80PSI
1500	3.1MPA	450PSI	2.2MPA	315PSI	0.6MPA	80PSI

#### TRIMS SPECITIED DUE TO TABLE 3:

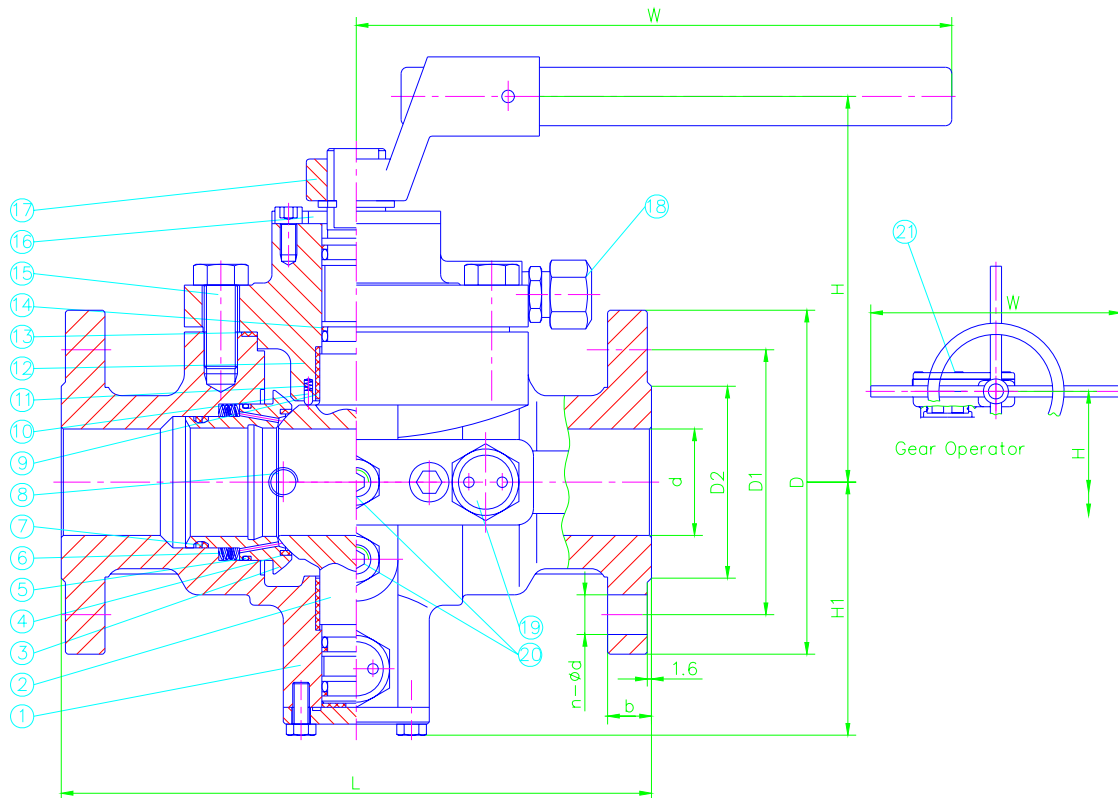
BALL PART NO.2	SEAT SEALING RING PART NO.4
F6	RPTFE/NYLON/PEEK
F304	RPTFE/NYLON/PEEK
F316	RPTFE/NYLON/PEEK
F304L	RPTFE/NYLON/PEEK
F316L	RPTFE/NYLON/PEEK

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

**PARTS AND MATERIAL (ASTM):**

NO	PARTS NAME	MATERIALS				
1	BODY	ASTM A216-WCB	A351-CF8	A351-CF8M	A351-CF3	A351-CF3M
3	METAL SEAT	A105+ENP	F304	F316	F304L	F316L
5	O-RING	EPDM/NBR/VITON				
6	SPRING	17-7PH	SS304	SS316	SS304L	SS316L
7	GASKET	RPTFE/GRAPHITE				
8	BOLT PIN	ASTM A276-304		ASTM A276-316	ASTM A276-316L	
9	STEM BEARING	Cu-Pb Alloy				
10	SMALL PIN	SS304		SS316	SS304L	SS316L
11	SMALL SPRING	SS304		SS316	SS304L	SS316L
12	BONNET	ASTM A216-WCB	A351-CF8	A351-CF8M	A351-CF3	A351-CF3M
13	GASKET	RPTFE/GRAPHITE				
14	GASKET	RPTFE/GRAPHITE				
15	CAP STUD	ASTM A193 B7	ASTM A193 B8M			
16	STOP NUT	CARBON STEEL				
17	HANDLE	CARBON STEEL				
18	INJECTION FITTING	CARBON STEEL				
19	INJECTION FITTING	CARBON STEEL				
20	BLOCK & BLEED	CARBON STEEL				
21	GEAR	DUCTILE IRON				

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

**DIMENSIONS LIST(UNIT:MM):**

CLASS 150												
DN	INCH	L	d	D	D1	D2	b	f	n-d0	H	H1	W
40	1-1/2	165	38	127	98.5	73	14.5	1.6	4-15	154	73	230
50	2	178	51	152	120.5	92	16	1.6	4-19	193	127	230
80	3	203	76	190	152.5	127	19.5	1.6	4-19	218	148	400
100	4	229	102	229	190.5	157	24	1.6	8-19	270	172	700
150	6	394	152	279	241.5	216	25.5	1.6	8-22	316	223	1000
200	8	457	203	343	298.5	270	29	1.6	8-22	380	256	1500
250	10	533	254	406	362	324	31	1.6	12-25	438	302	800*
300	12	610	305	483	432	381	32	1.6	12-25	508	368	800*

CLASS 300												
40	1-1/2	190	38	156	114.5	73	21	1.6	4-22	154	73	230
50	2	216	51	165	127	92	22.5	1.6	8-19	193	127	230
80	3	283	76	210	168.5	127	29	1.6	8-22	218	148	400
100	4	305	102	254	200	157	32	1.6	8-22	270	172	700
150	6	403	152	318	270	216	37	1.6	12-22	316	223	1000
200	8	502	203	381	330	270	41.5	1.6	12-25	380	256	1500
250	10	568	254	445	387.5	324	48	1.6	16-29	438	302	800*
300	12	648	305	521	451	381	51	1.6	16-32	508	368	800*
CLASS 600												
40	1-1/2"	241	38	156	114.5	73	22.5	6.4	4-22	154	73	230
50	2	292	51	165	127	92	26	6.4	8-19	193	127	550
80	3	356	76	210	168	127	32	6.4	8-22	218	148	700
100	4	432	102	273	216	157	38	6.4	8-25	270	172	1200
150	6	559	152	356	292	216	48	6.4	12-29	316	223	1500
200	8	660	203	419	349	270	56	6.4	12-32	380	256	600*
250	10	787	254	508	432	324	64	6.4	16-35	438	302	800*
300	12	838	305	559	489	381	67	6.4	20-35	508	368	800*
CLASS 900												
50	2	368	51	216	165.1	92	38.5	6.4	8-26	193	127	550
80	3	381	76	241	190.5	127	38.5	6.4	8-26	218	148	700
100	4	457	102	292	234.9	157	44.5	6.4	8-32	270	172	1200
150	6	610	152	381	317.5	216	56	6.4	12-32	316	223	1500
200	8	737	203	470	393.7	270	63.5	6.4	12-39	380	256	600*
250	10	838	254	545	469.9	324	70	6.4	16-39	438	302	800*
300	12	965	305	610	533.4	381	79.5	6.4	20-39	508	368	800*
CLASS 1500												
50	2	368	51	216	165.1	92	38.5	6.4	8-26	250	127	550
80	3	470	76	267	203.2	127	48	6.4	8-32	285	148	600*
100	4	546	102	311	241.3	157	54	6.4	8-35	346	172	600*
150	6	705	144	394	317.5	216	83	6.4	12-39	563	248	800*
200	8	832	192	483	393.7	270	92	6.4	12-45	612	265	800*
250	10	991	239	585	482.6	324	108	6.4	12-51	625	435	800*
300	12	1130	287	675	571.5	381	124	6.4	16-54	697	456	800*

**Note: 1\ Dimension with \*, the valve's operator is gear.**

**\* We hereby reserve the rights of any alternative dimension that would help to improve our valve's quality and working efficiency**



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