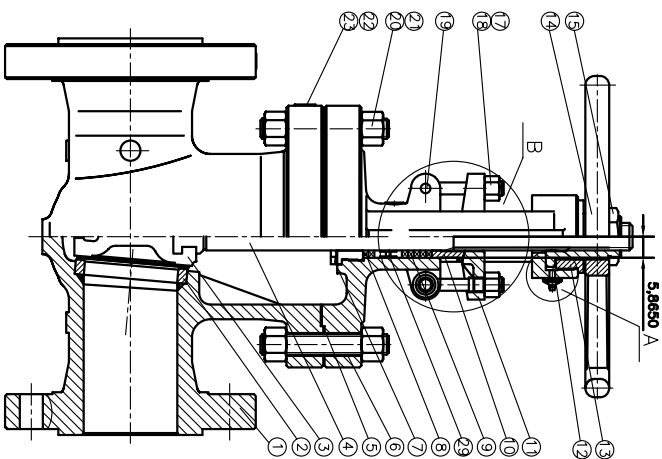
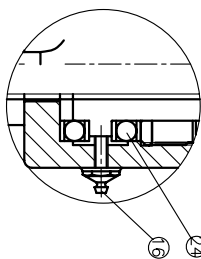


Materials comply with the requirements of NACE MR 01 75 (2002)



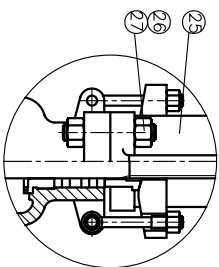
A Notice:

Bearing for 8" & larger

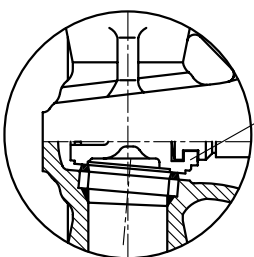


B Notice:

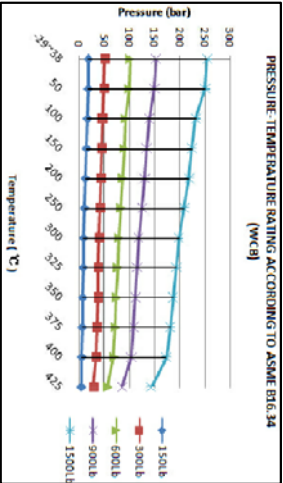
Yoke for 8" & larger



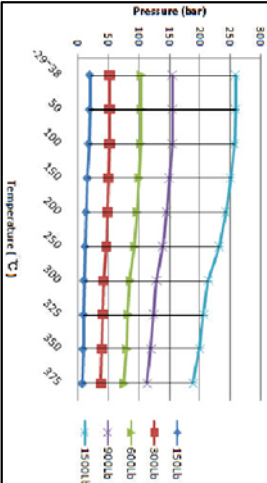
WEDGE FOR 2"



ITEM	NAME	STANDARD MATERIAL SPECIFICATIONS		
		API TRIM 8	API TRIM 5	API TRIM 16
1	BODY	ASTM A216 WCB	ASTM A216 WCB	ASTM A352 LCC
2	SEAT	ASTM A105+STL.6	ASTM A105+STL.6	ASTM A350 LF2+STL.6
3	WEDGE	ASTM A216 WCB+ER410	ASTM A216 WCB+STL.6	ASTM A352 LCC+STL.6
4	STEM	ASTM A182 F6g	ASTM A182 F6g	ASTM A182 F316
5	GASKET	F304+FLEXIBLE GRAPHITE	F304+FLEXIBLE GRAPHITE	F316+FLEXIBLE GRAPHITE
6	BONNET	ASTM A216 WCB	ASTM A216 WCB	ASTM A352 LCC
7	BACK SEAT	ASTM A276 410	ASTM A276 410	ASTM A276 316
8	GLAND PACKING	F304+GRAPHITE	F304+GRAPHITE	F316+GRAPHITE
9	GLAND PACKING	FLEXIBLE GRAPHITE	FLEXIBLE GRAPHITE	FLEXIBLE GRAPHITE
10	GLAND	ASTM A276 410	ASTM A276 410	ASTM A276 316
11	GLAND FLANGE	ASTM A216 WCB	ASTM A216 WCB	ASTM A352 LCC
12	STEM NUT	ASTM A439-D2	ASTM A439-D2	ASTM A439-D2
13	GLAND NUT	Carbon Steel	Carbon Steel	Carbon Steel
14	HANDWHEEL	Ductile Iron	Ductile Iron	Ductile Iron
15	LOCK NUT	Carbon Steel	Carbon Steel	Carbon Steel
16	Grease Nipple	Carbon Steel	Carbon Steel	Carbon Steel
17	EYE BOLT	ASTM A193-B7M	ASTM A193-B7M	ASTM A320-L7M
18	EYE NUT	ASTM A194-2HM	ASTM A194-2HM	ASTM A194-4M
19	PIN	Carbon Steel	Carbon Steel	Carbon Steel
20	BOLT	ASTM A193-B7M	ASTM A193-B7M	ASTM A320-L7M
21	NUT	ASTM A194-2HM	ASTM A194-2HM	ASTM A194-4M
22	NAME PLATE	ASTM A304	ASTM A304	ASTM A304
23	RIVET	ASTM A304	ASTM A304	ASTM A304
24	BEARING			
25	YOKE	ASTM A216 WCB	ASTM A216 WCB	ASTM A352 LCC
26	YOKE STUD	ASTM A193 B7M	ASTM A193 B7M	ASTM A320 L7M
27	YOKE NUT	ASTM A194 2HM	ASTM A194 2HM	ASTM A194 4M
29	DISTANCE RING	ASTM A276 410	ASTM A276 410	ASTM A276 316
30	WEDGE	ASTM A217 CA15		



PRESSURE-TEMPERATURE RATING ACCORDING TO ASME B16.34 (LCC)




PRESSURE-TEMPERATURE RATING ACCORDING TO ASME B16.34 (LCC)

SUITABLE TEMP(°C)	WCB	LCC
ASME B16.34	-29to+425Deg C	-46to+345 Deg C
EU-PED	-5to+425Deg C	-46to+345Deg C
	WATER,STEAM,OIL	

TEST PRESSURE TO API 598 & ASME B16.34		
TEMPERATURE (0~38°C)	WCB	LCC
SHELL TEST (Bar)	153.1	155.1
BACK SHELL TEST(Bar)	112.3	113.7
SEAL TEST (Bar)	112.3	113.7

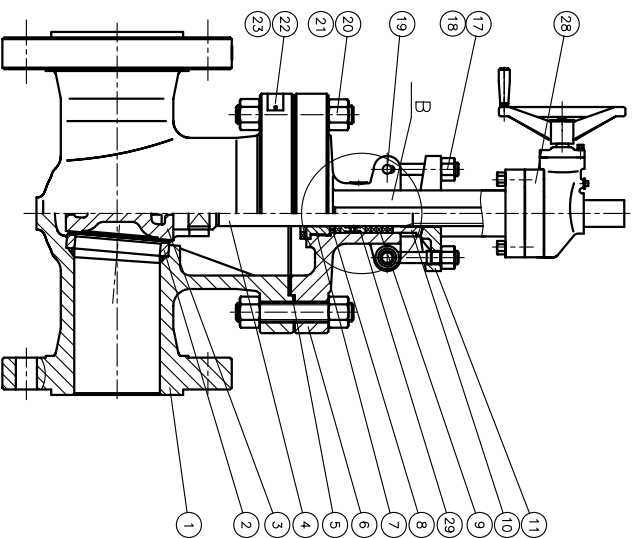
PROJECT:	-----		
CLIENT:	-----		
T.T. REF:	-----		
ITEM:	-----		
REV.	DATE	DRAWN	CHECKED
	19-015	WVB	JT

TT Valves UK Ltd



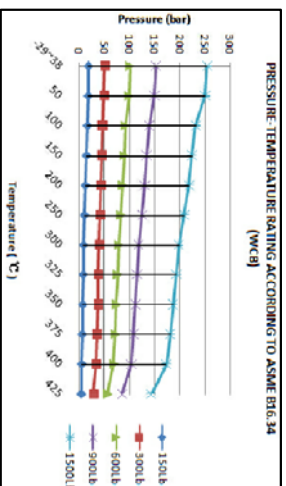
DATE	NAME	GATE VALVE
TRACED	CHECKED	CLASS-600
SCALE	DRAWING No : 0	
REV:	0	

Materials comply with the requirements of NACE MR 01 75 (2002)



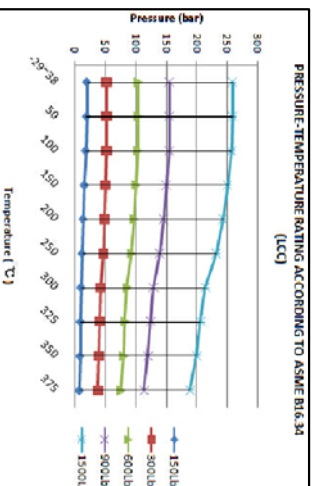
B Notice:
Yoke for 8" & larger

ITEM	NAME	STANDARD MATERIAL SPECIFICATIONS		
1	BODY	API TRIM 8	API TRIM 5	API TRIM 16
2	SEAT	ASTM A216 WCB	ASTM A216 WCB	ASTM A352 LCC
3	WEDGE	ASTM A105+STL.6	ASTM A105+STL.6	ASTM A350 LF2+STL.6
4	STEM	ASTM A216 WCB+ER410	ASTM A216 WCB+STL.6	ASTM A352 LCC+STL.6
5	GASKET	ASTM A182 F6g	ASTM A182 F6g	ASTM A182 F316
6	BONNET	F304+FLEXIBLE GRAPHITE	F304+FLEXIBLE GRAPHITE	F316+FLEXIBLE GRAPHITE
7	BACK SEAT	ASTM A216 WCB	ASTM A216 WCB	ASTM A352 LCC
8	GLAND PACKING	ASTM A276 410	ASTM A276 410	ASTM A276 316
9	GLAND PACKING	F304+GRAPHITE	F304+GRAPHITE	F316+GRAPHITE
10	GLAND	FLEXIBLE GRAPHITE	FLEXIBLE GRAPHITE	FLEXIBLE GRAPHITE
11	GLAND FLANGE	ASTM A276 410	ASTM A276 410	ASTM A276 316
17	EYE BOLT	ASTM A193-B7M	ASTM A216 WCB	ASTM A352 LCC
18	EYE NUT	ASTM A193-B7M	ASTM A193-B7M	ASTM A320-L7M
19	PIN	ASTM A194-2HM	ASTM A194-2HM	ASTM A194-4M
20	BOLT	Carbon Steel	Carbon Steel	Carbon Steel
21	NUT	ASTM A193-B7M	ASTM A193-B7M	ASTM A320-L7M
22	NAME PLATE	ASTM A194-2HM	ASTM A194-2HM	ASTM A194-4M
23	RIVET	ASTM A194-2HM	ASTM A194-2HM	ASTM A194-4M
25	YOKE	ASTM A193-B7M	ASTM A193-B7M	ASTM A352 LCC
26	YOKE STUD	ASTM A216 WCB	ASTM A216 WCB	ASTM A352 LCC
27	YOKE NUT	ASTM A193 B7M	ASTM A193 B7M	ASTM A320 L7M
28	GEAR	ASTM A194 2HM	ASTM A194 2HM	ASTM A194 4M
29	DISTANCE RING	COMMERCIAL	COMMERCIAL	COMMERCIAL

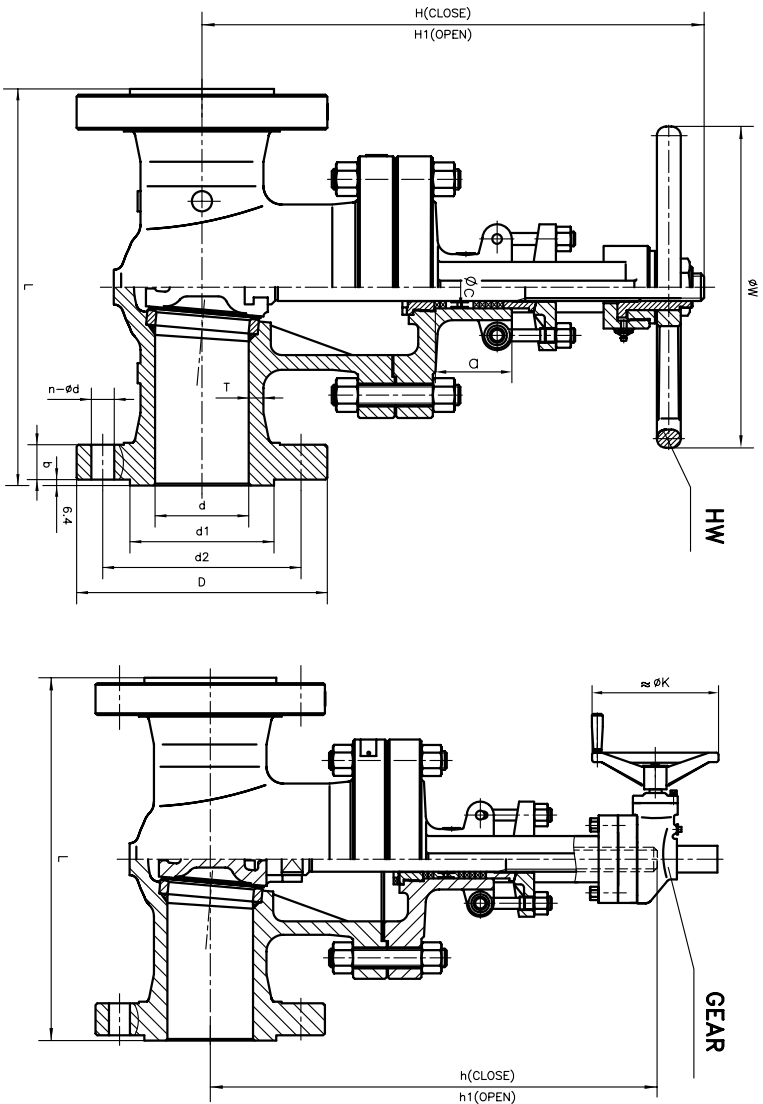


SUITABLE TEMP(°C)	WCB	LCC
ASME B16.34	-29to+425Deg C	-46to+345 Deg C
EU-PED	-5to+425Deg C	-46to+345Deg C
	WATER,STEAM,OIL	

TEST PRESSURE TO API 598 & ASME B16.34		
TEMPERATURE (0~38°C)	WCB	LCC
SHELL TEST (Bar)	153.1	155.1
BACK SHELL TEST(Bar)	112.3	113.7
SEAL TEST (Bar)	112.3	113.7

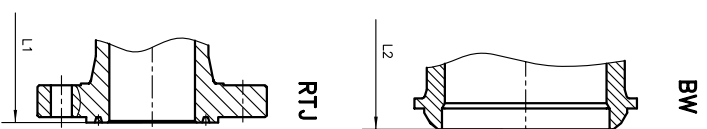


PROJECT:	-----	TT Valves UK Ltd		
CLIENT:	-----	GATE VALVE CLASS-600		
T.T. REF:	-----	DATE	NAME	REV:
ITEM:	-----	9-29-2015	WVB JT	0
		DATE	SCALE	DRAWING No :
REV.	DATE	DRAWN	CHECKED	



STANDARD	
FACE TO FACE	ASME B16.10
FLANGE ENDS	ASME B16.5
DESIGN STANDARDS	API 600
TESTING	API 598


SIZE	Øc	d	PACKING RING NO.	MATERIAL
2"	33	59	20X6.4	6 GRAPHITE
3"	39	63	26X6.4	6 GRAPHITE
4"	46	75	30X7.9	6 GRAPHITE
6"	59	76	40X9.5	7 GRAPHITE
8"	61	96	42X9.5	6 GRAPHITE
10"	67	97	48X9.5	6 GRAPHITE
12"	78	104	52X12.7	6 GRAPHITE



SIZE	FLANGE DIMENSIONS				BONNET BOLT (MATERIAL B7)		
	Ød	Ød1	Ød2	D		b	n-Ød
2"	51	92	127	165	26	8-Ø19	5/8X100
3"	76	127	168	210	32	8-Ø22	5/8X115
4"	102	157	216	273	38	8-Ø25	3/4X130
6"	152	216	292	356	48	12-Ø29	7/8X160
8"	200	270	349	419	56	12-Ø32	1X185
10"	248	324	432	508	64	16-Ø35	1 1/8X210
12"	298	381	489	559	67	20-Ø35	1 1/8X220

SIZE	DIMENSIONS (mm)						WEIGHTS(kg)			FACE TO FACE(mm)		
	T	H	H1	h	h1	W	HW	GEAR	L	L1	L2	
2"	11.5	366	432	/	/	200	41	/	292	295	292	
3"	13	454	540	/	/	250	88	/	356	359	356	
4"	16	544	663	/	/	300	131	/	432	435	432	
6"	19.1	665	833	/	/	450	253	263	559	562	559	
8"	26	885	1109	/	/	500	413	425	660.4	664	660	
10"	29	1045	1323	/	/	640	623	436	787.4	791	787	
12"	32	1161	1489	/	/	640	784	796	838	841	838	

PROJECT: -----
CLIENT: -----
T.T. REF: -----
ITEM: -----

TT Valves UK Ltd


REV.	DATE	BY	CHKD	SCALE	DRAWING No :	REV:
1	15-05	WVB	JT	---		0

GATE VALVE CLASS-600