



DN	d	d Tolerance	C	L	E	N	M	N1	M1
50	-	-	125	48	14	2	M16	2	18
65	-	-	145	48	14	2	M16	2	18
80	72.5	±1.5	160	51	14	2	M16	6	18
100	94	±2	180	51	14	2	M16	6	18
125	117.4	±2	210	57	14	2	M16	6	18
150	140.7	±2	240	57	14	2	M20	6	22
200	187	±3	295	70	14	2	M20	6	22
250	233	±3	350	70	14	4	M20	8	22
300	280	±3	400	76	14	4	M20	8	22
350	330	±4	460	76	14	6	M20	10	22
400	367	±4	515	89	14	6	M24	10	26
450	415	±4	565	89	14	8	M24	12	26
500	455	±4	620	114	14	8	M24	12	26
600	-	-	725	114	14	8	M27	12	30

unit:mm

NPS	d	d Tolerance	C	L	E	N	M	N1	M1
2"	-	-	4.92	1.89	0.55	2	M16	2	0.71
2-1/2"	-	-	5.71	1.89	0.55	2	M16	2	0.71
3"	2.85	±0.06	6.3	2.01	0.55	2	M16	6	0.71
4"	3.7	±0.08	7.09	2.01	0.55	2	M16	6	0.71
5"	4.62	±0.08	8.27	2.24	0.55	2	M16	6	0.71
6"	5.54	±0.08	9.45	2.24	0.55	2	M20	6	0.87
8"	7.36	±0.12	11.61	2.76	0.55	2	M20	6	0.87
10"	9.17	±0.12	13.78	2.76	0.55	4	M20	8	0.87
12"	11.02	±0.12	15.75	2.99	0.55	4	M20	8	0.87
14"	12.99	±0.16	18.11	2.99	0.55	6	M20	10	0.87
16"	14.45	±0.16	20.28	3.5	0.55	6	M24	10	1.02
18"	16.34	±0.16	22.44	3.5	0.55	8	M24	12	1.02
20"	17.91	±0.16	24.41	4.49	0.55	8	M24	12	1.02
24"	-	-	28.54	4.49	0.55	8	M27	12	1.18

unit:in

ITEM	PARTS	MATERIAL
1	BODY	ASTM A351-CF8M
2	SEAT	EPDM
3	DISC	SS 316L
4	SEAT RETAINER	ASTM A351-CF8M
5	PACKING	PTFE
6	GLAND	ASTM A351-CF8M
7	YOKE	SS 316
8	STEM	
9	YOKE SLEEVE	COPPER ALLOY
10	BEARING	GCr15
11	KEY	1045
12	HANDWHEEL	KTH350-10
13	LOCK NUT	1035
14	STUD	ASTM A193-B8M
15	NUT	ASTM A194-8M
16	TOP SET	SS 316

FEATURES :

- Design and manufacture: MSS SP-81
- End connection: EN 1092-1
- Face to face dimensions: MSS SP-81

△	Add dimension	09/04/2023	Ray
△	Revise drawing & dimension & material	05/15/2023	Yuan
△	Add dimension	02/16/2023	Yuan
△	Add dimension	10/31/2022	Yuan
Revise	Description	Date	Approve

DRAWING NO.

2092382LN-23B



CHECK BY	DRAWING BY	DATE	SPECIFICATION	Knife Gate Valve PN10
	Yuan	Sep.04.2023	MATERIAL	CF8M
			PROCESS/Nr.	
			UNIT / SCALE	mm

