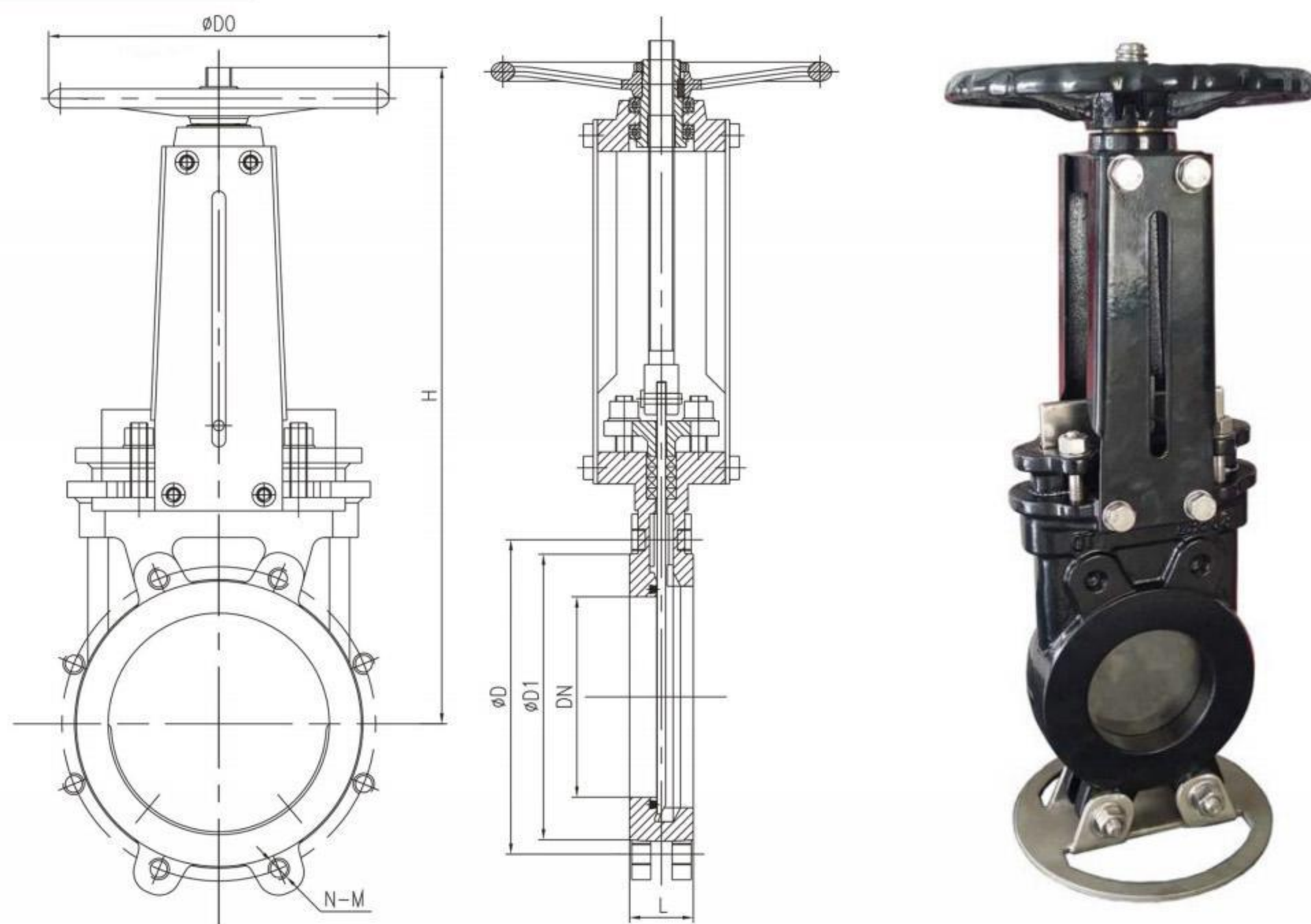
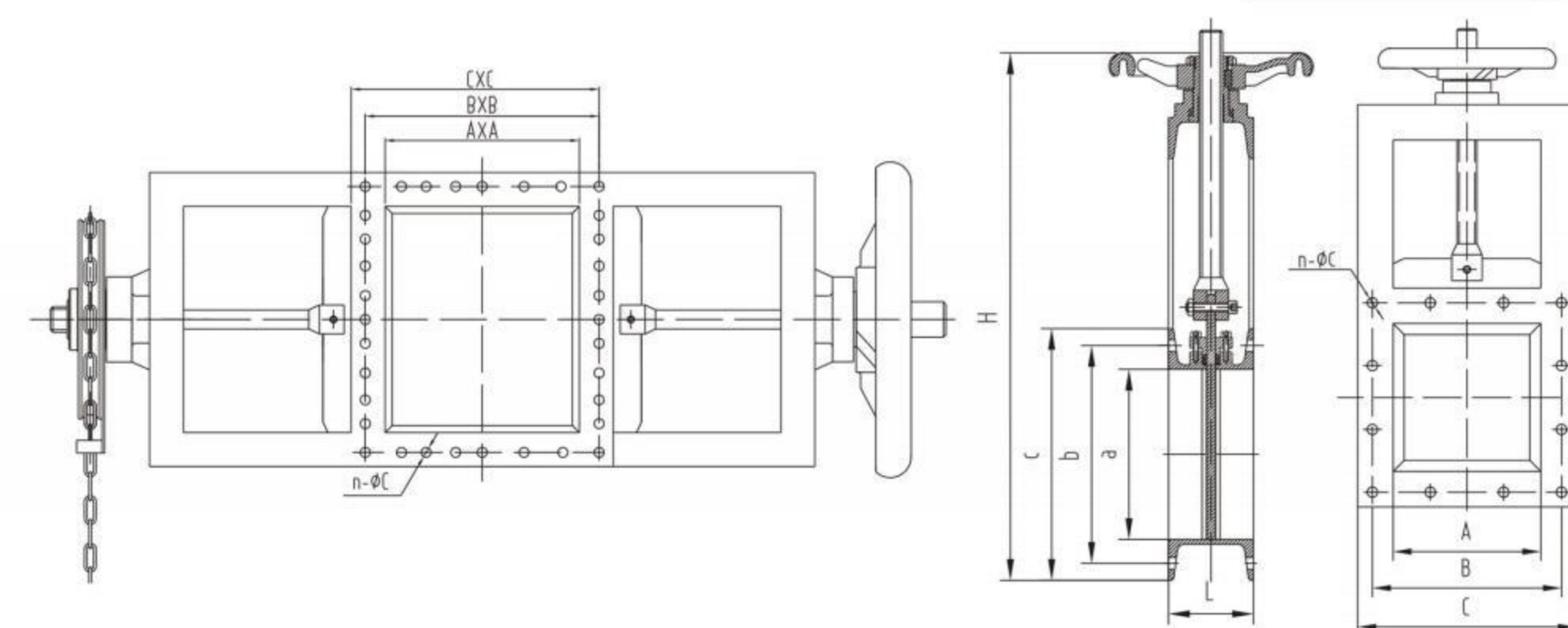




Main External and Connection Dimension(ASME B16.5)

Unit: mm

DN	PN1.0MPa						WT (kg)
	L	D	D ₂	N-M	D ₀	H	
50	40	125	100	4-M16	200	312	8
65	40	145	120	4-M16	200	355	9.5
80	50	160	135	8-M16	200	363	13
100	50	180	155	8-M16	220	406	15
125	50	210	185	8-M16	240	456	24
150	60	240	210	8-M20	280	517	26.5
200	60	295	265	8-M20	320	616	40
250	70	350	320	12-M20	360	775	78
300	70	400	368	12-M20	360	879	80
350	96	460	428	16-M20	400	1015	205
400	100	515	482	16-M22	500	1115	265
450	106	565	532	20-M22	500	1218	315
500	110	620	585	20-M22	600	1325	385
600	110	725	685	20-M27	600	1456	435



Main External and Connection Dimension

Unit: mm

category	A × A	B × B	C × C	H	L	Z-φ d	WT (kg)
Single direction	200 × 200	256 × 256	296 × 296	820	100	8-φ 12	62
	250 × 250	306 × 306	346 × 346	930	100	8-φ 14	70.5
	300 × 300	356 × 356	396 × 396	1050	100	8-φ 14	81
	400 × 400	456 × 456	496 × 496	1240	100	12-φ 14	114
	450 × 450	510 × 510	556 × 556	1450	120	12-φ 18	130
	500 × 500	560 × 560	606 × 606	1610	120	16-φ 18	147
double direction	600 × 600	660 × 660	706 × 706	1830	120	16-φ 18	169
	700 × 700	770 × 770	820 × 820	2130	140	20-φ 18	236
	800 × 800	870 × 870	920 × 920	2440	140	20-φ 18	303
	900 × 900	974 × 974	1030 × 1030	2660	160	24-φ 23	424
	1000 × 1000	1074 × 1074	1130 × 1130	2870	160	24-φ 23	636
instruction	LMD-Single direction	I -handwheel					
	LMS-double direction	II -handwheel					

KNIFE GATE VALVE SERIES



Chief Features

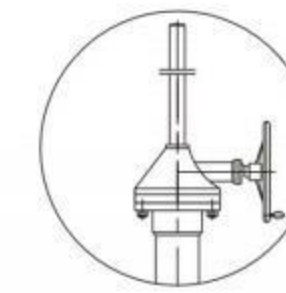
- Face-to-face dimensions adopt short series, and light weight valve is adopted, so as to save pipe supporter.
- During the opening and closing of the valve, the gate disc can automatically scrape off the adhered medium and is beneficial to sealing.
- The blade type gate disc helps medium cutoff and residue discharge so that the valve can be operated without blocking.
- The valve adopts wafer type connection.
- The wedge type limit stopper can provide sealing force, reliable sealing
- The guide nail can provide good guiding function.
- The anti-abrasive bushings of different materials can be provided according to requirements so as to prolong the service life of the valve.
- Actuators (electric, gear box, pneumatic,hydraulic)can be freely selected.

Product Specification

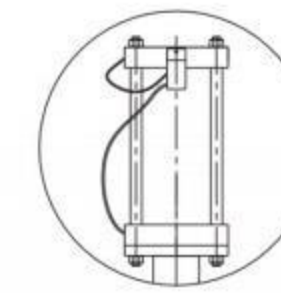
Design Spec.	Face to Face	Flange End	Test & Check	Marking	Supply
MSS SP-81	MSS SP-81	ASME B16.5	MSS SP-81	MSS SP-25	MSS SP-81

Main Part Material

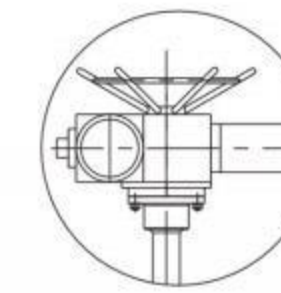
Main Body Matieral Code		Part Name
Crabon steel/Stainless stee	C.S/S.S	Body/Bonnet
Stainless steel	S.S	Disc
Stainless steel	S.S	Stem
Rubber/PTFE/Graphite	ASB/PTFE/Graphite	Packing
-29℃~+425℃		Suitable Temp.
paper pulp、Mixtureof sewage、 coal slurry、 ash and seriflux		Suitable Medium



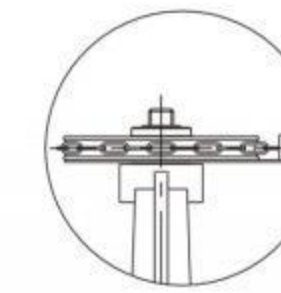
Bevel gear



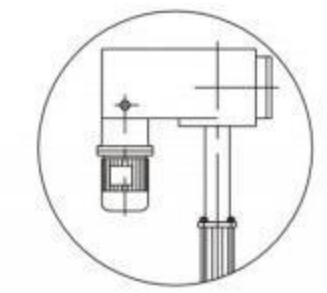
Pneumatic



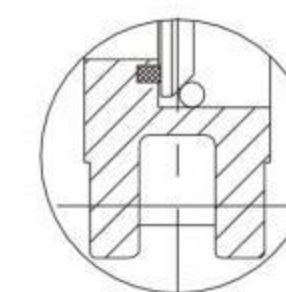
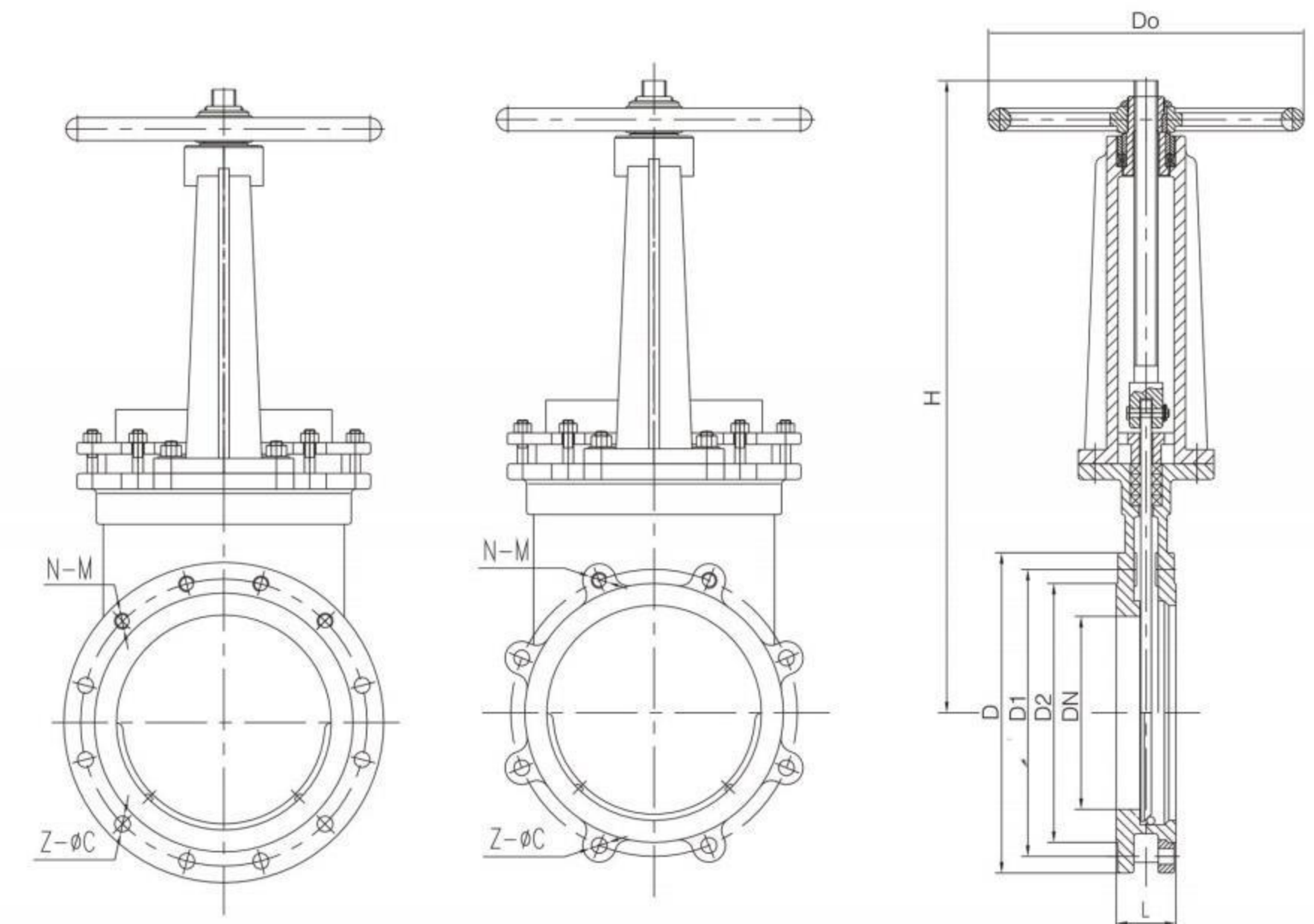
Electric



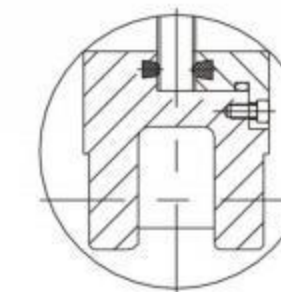
Sprocket wheel



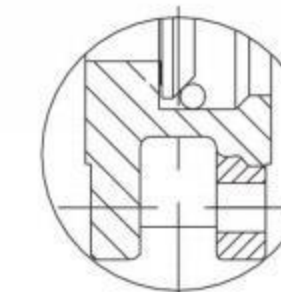
Electric-hydraulic



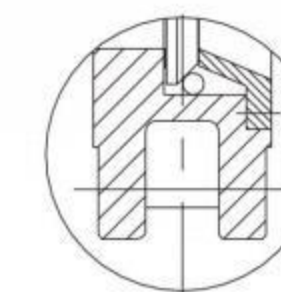
Soft seal



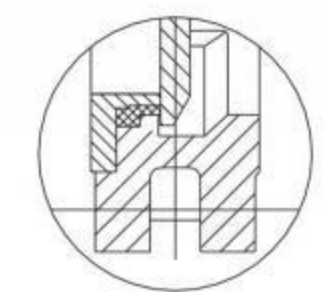
Double-direction soft seal



Hard seal



PHard seal with Deflector

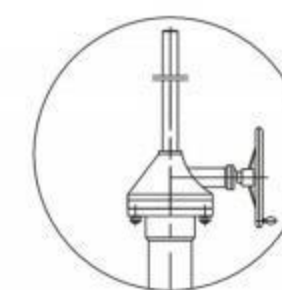


Flexible seal

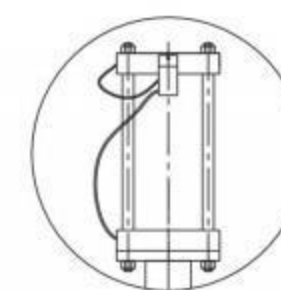
Main External and Connection Dimension(ASME B16.5)

Unit: mm

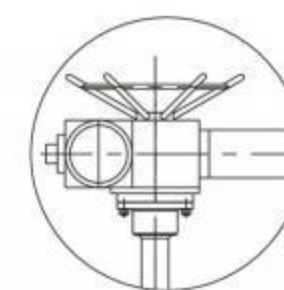
DN	Class 150Lb							WT (kg)
	L	D	D ₁	D ₂	N-M	Z-φd	H	
2	48	152	120.5	92	2-M16	2-φ18	285	11
2-1/2	48	178	139.5	105	2-M16	2-φ18	295	12
3	51	190	152.5	127	2-M16	2-φ18	315	15
4	51	229	190.5	157	2-M16	6-φ18	365	16
5	57	254	216	186	2-M20	6-φ22	400	30
6	57	279	241.5	216	2-M20	6-φ22	475	49
8	70	343	298.5	270	2-M20	6-φ22	540	58
10	70	406	362	324	4-M22	8-φ25	630	95
12	76	480	432	381	4-M22	8-φ25	780	430
14	76	533	476	413	4-M27	8-φ30	885	149
16	89	597	540	470	6-M27	10-φ30	990	225
18	89	635	578	533	6-M30	10-φ33	1100	345
20	114	699	635	584	8-M30	12-φ33	1200	440
24	114	813	749.5	692	8-M33	12-φ36	1450	590
30	117	985	914	857	12-M33	16-φ36	1950	855
36	117	1170	1086	1022	14-M39	18-φ42	2450	970



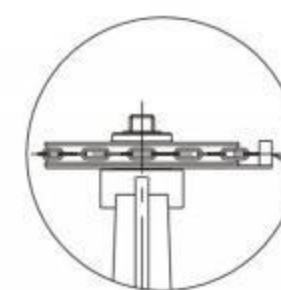
Bevel gear



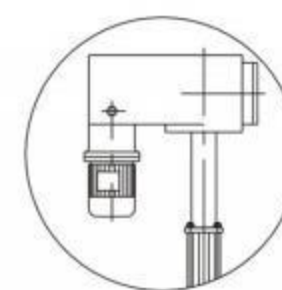
Pneumatic



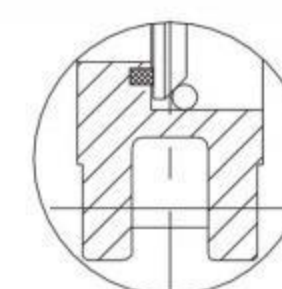
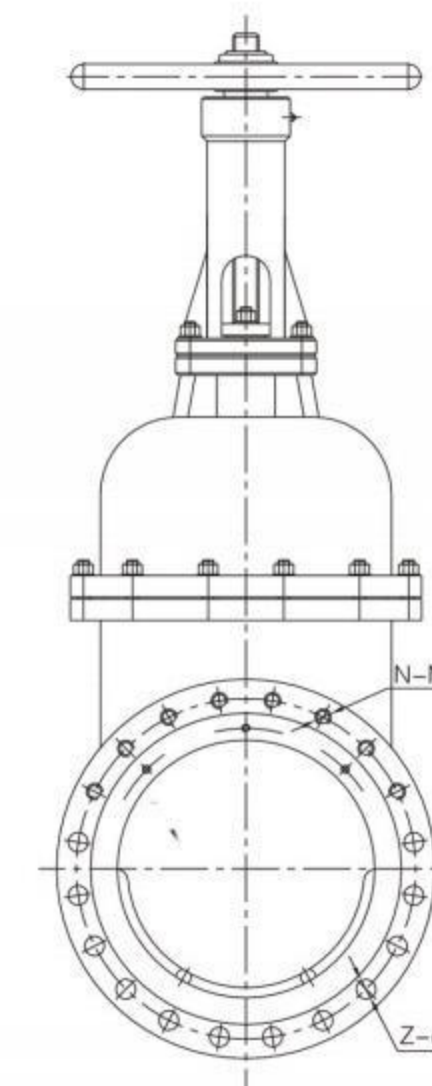
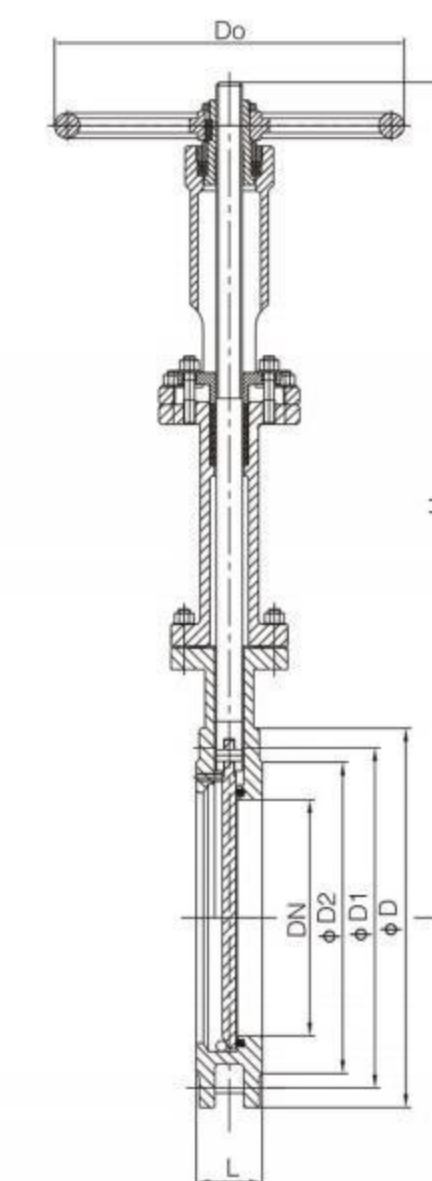
Electric



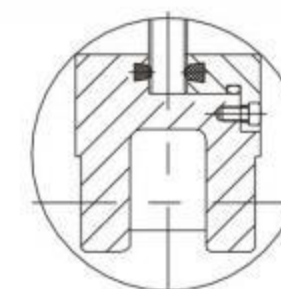
Sprocket wheel



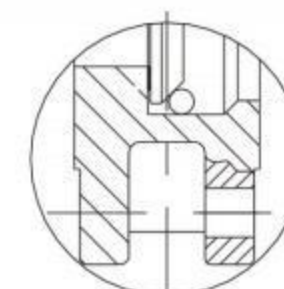
Electric-hydraulic



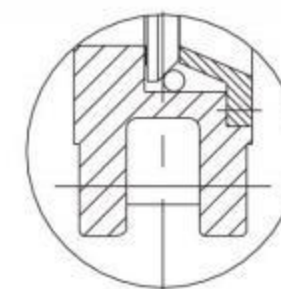
Soft seal



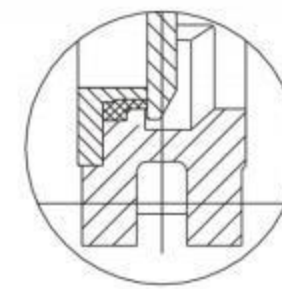
Double-direction soft seal



Hard seal



Phard seal with Detector

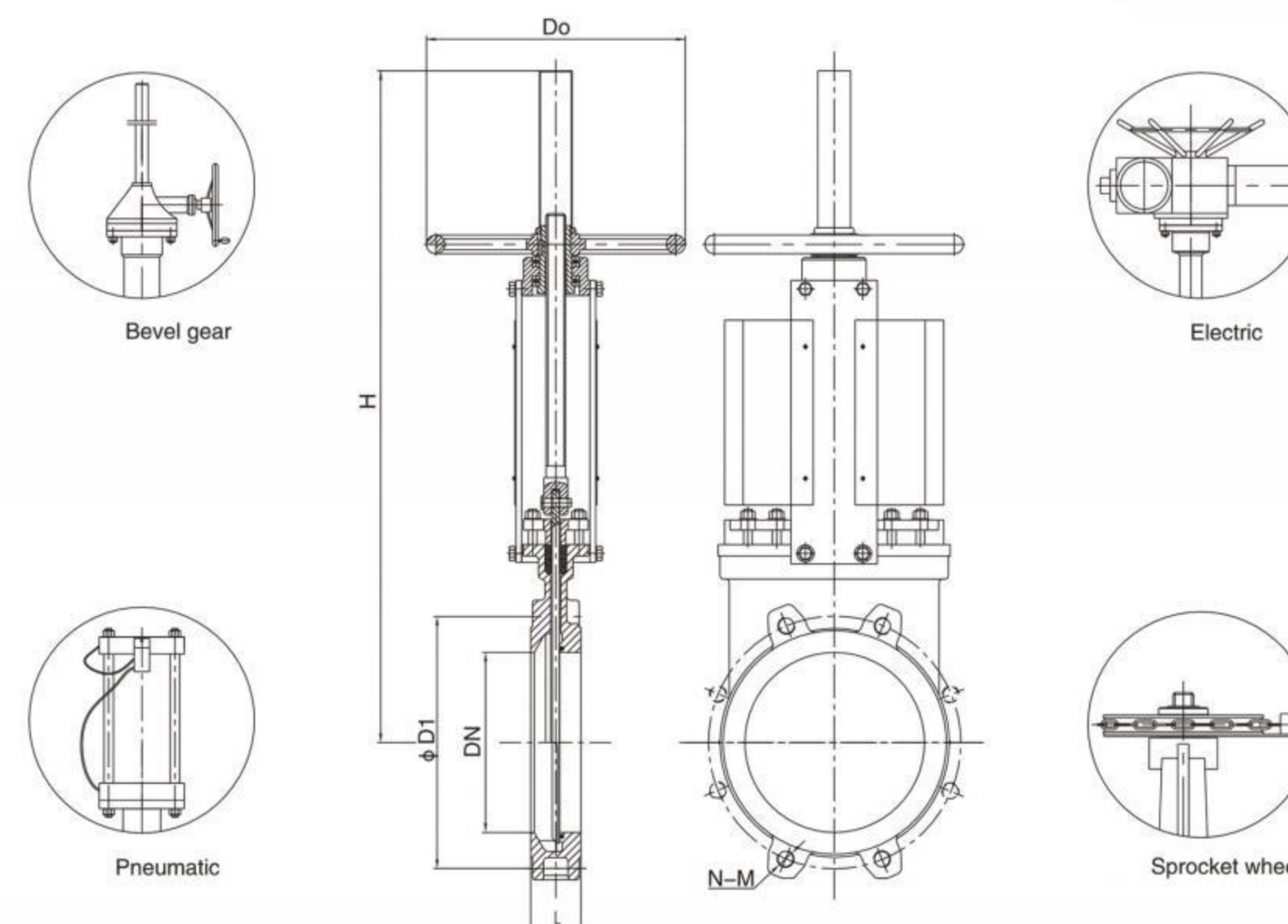


Flexible seal

Main External and Connection Dimension(ASME B16.5)

Unit: mm

DN	Class 150Lb							WT (kg)
	L	D	D ₁	D ₂	N-M	Z-φ d	H	
2	43	152	120.5	92	2-M16	2-φ 19	365	13.5
2-1/2	43	178	139.5	105	2-M16	2-φ 19	400	14.5
3	46	190	152.5	127	2-M16	2-φ 19	475	17
4	52	229	190.5	157	2-M16	6-φ 19	540	22
5	56	254	216	186	2-M20	6-φ 23	630	27.6
6	56	279	241.5	216	2-M20	6-φ 23	780	37.5
8	60	343	298.5	270	2-M20	6-φ 23	885	51
10	68	406	362	324	4-M22	8-φ 25	990	74
12	78	480	432	381	4-M22	8-φ 25	1100	90
14	78	533	476	413	4-M27	8-φ 30	1200	113
16	102	597	540	470	6-M27	10-φ 30	1450	156
18	114	635	578	533	6-M30	10-φ 30	1650	240
20	127	699	635	584	8-M30	12-φ 30	1900	310
24	154	813	749.5	392	8-M33	12-φ 30	2100	448
30	165	985	914	857	8-M33	12-φ 30	2600	560
36	203	1170	1086	1022	14-M39	18-φ 42	3200	700


Main External and Connection Dimension

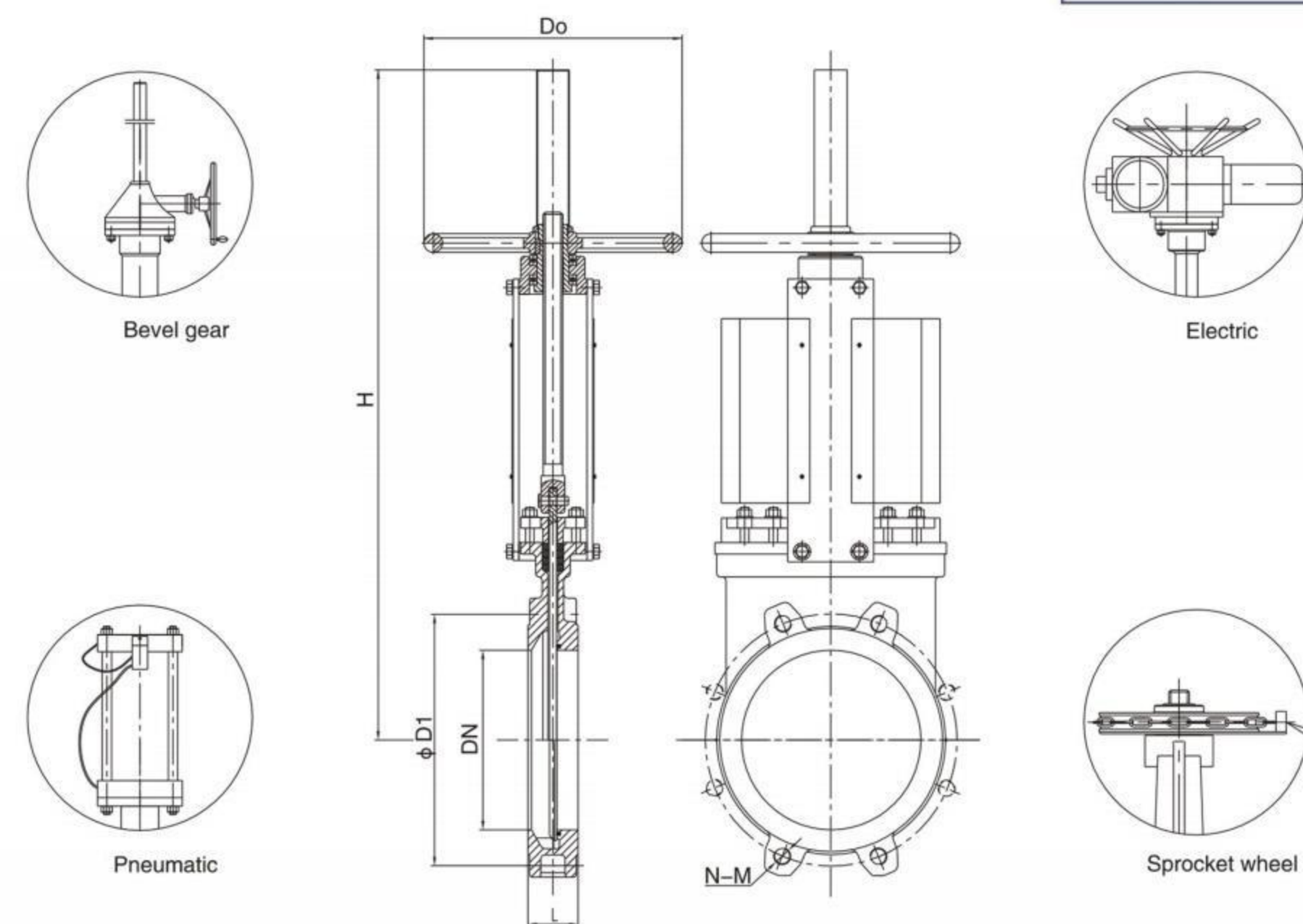
Unit: mm

DN	PN1.0MPa							WT (kg)
	L	D	D ₁	D ₂	N-M	D ₀	H	
50	46	165	125	102	4-M16	200	285	8
65	46	180	145	120	4-M16	200	350	9
80	51	195	160	135	4-M16	200	467	11
100	51	215	180	155	8-M16	220	550	14
125	57	245	210	185	8-M16	240	605	20
150	60	280	240	210	8-M20	280	645	28
200	60	335	295	265	8-M20	320	840	38
250	70	390	350	320	12-M20	360	1015	66
300	78	440	400	368	12-M20	360	1165	97
350	78	500	460	428	16-M20	400	1345	110
400	102	565	515	482	16-M22	500	1495	190
450	114	615	565	532	20-M22	500	1650	285
500	127	670	620	585	20-M22	600	1805	385

Main External and Connection Dimension(ASME B16.5)

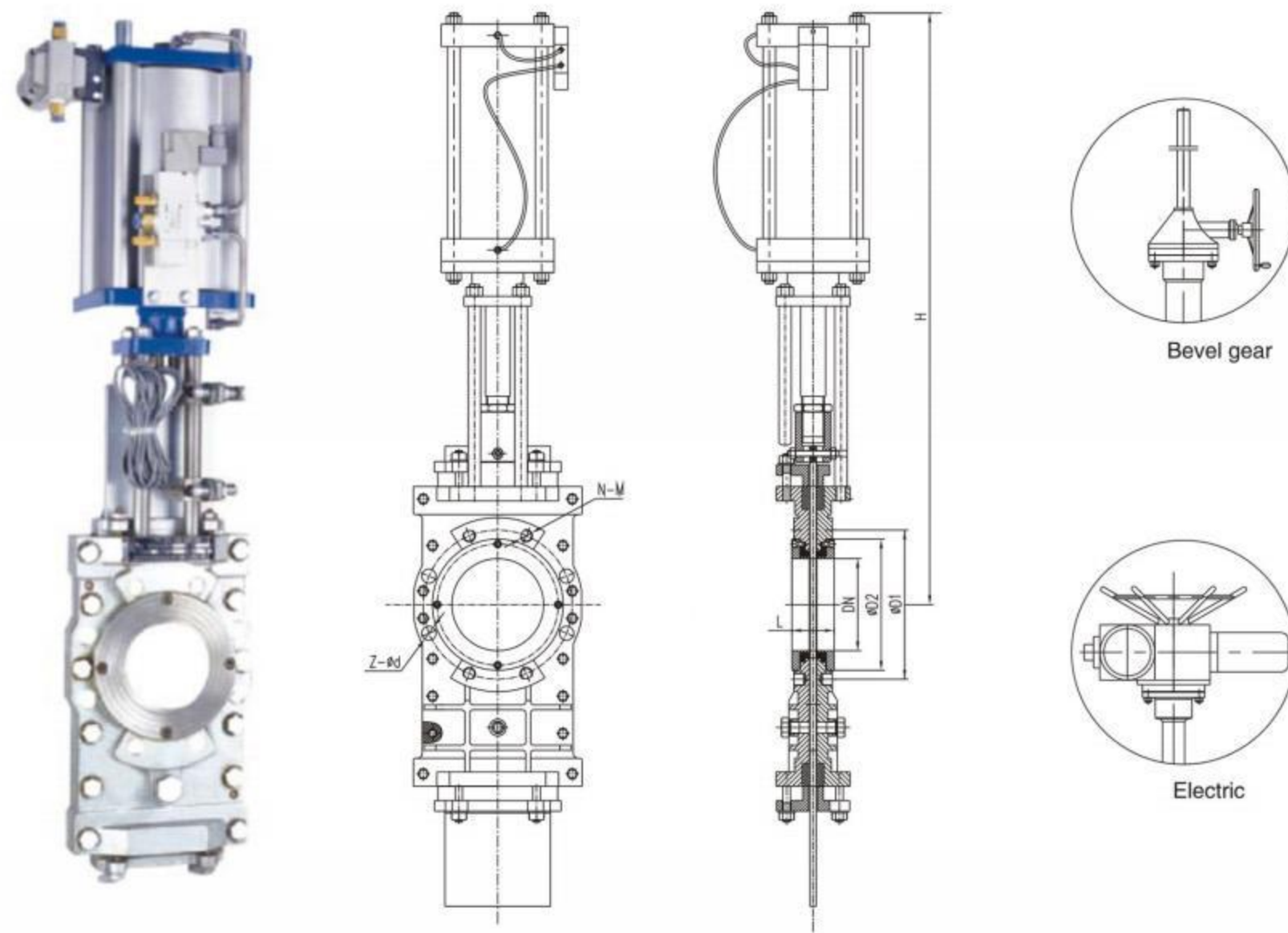
Unit: mm

DN	Class 150Lb							WT (kg)
	L	D	D ₁	D ₂	N-M	Z-φ d	H	
2	43	152	120.5	92	2-M16	2-φ 19	365	13.5
2-1/2	43	178	139.5	105	2-M16	2-φ 19	400	14.5
3	46	190	152.5	127	2-M16	2-φ 19	475	17
4	52	229	190.5	157	2-M16	6-φ 19	540	22
5	56	254	216	186	2-M20	6-φ 23	630	27.6
6	56	279	241.5	216	2-M20	6-φ 23	780	37.5
8	60	343	298.5	270	2-M20	6-φ 23	885	51
10	68	406	362	324	4-M22	8-φ 25	990	74
12	78	480	432	381	4-M22	8-φ 25	1100	90
14	78	533	476	413	4-M27	8-φ 30	1200	113
16	102	597	540	470	6-M27	10-φ 30	1450	156
18	114	635	578	533	6-M30	10-φ 30	1650	240
20	127	699	635	584	8-M30	12-φ 30	1900	310
24	154	813	749.5	392	8-M33	12-φ 30	2100	448
30	165	985	914	857	8-M33	12-φ 30	2600	560
36	203	1170	1086	1022	14-M39	18-φ 42	3200	700


Main External and Connection Dimension

Unit: mm

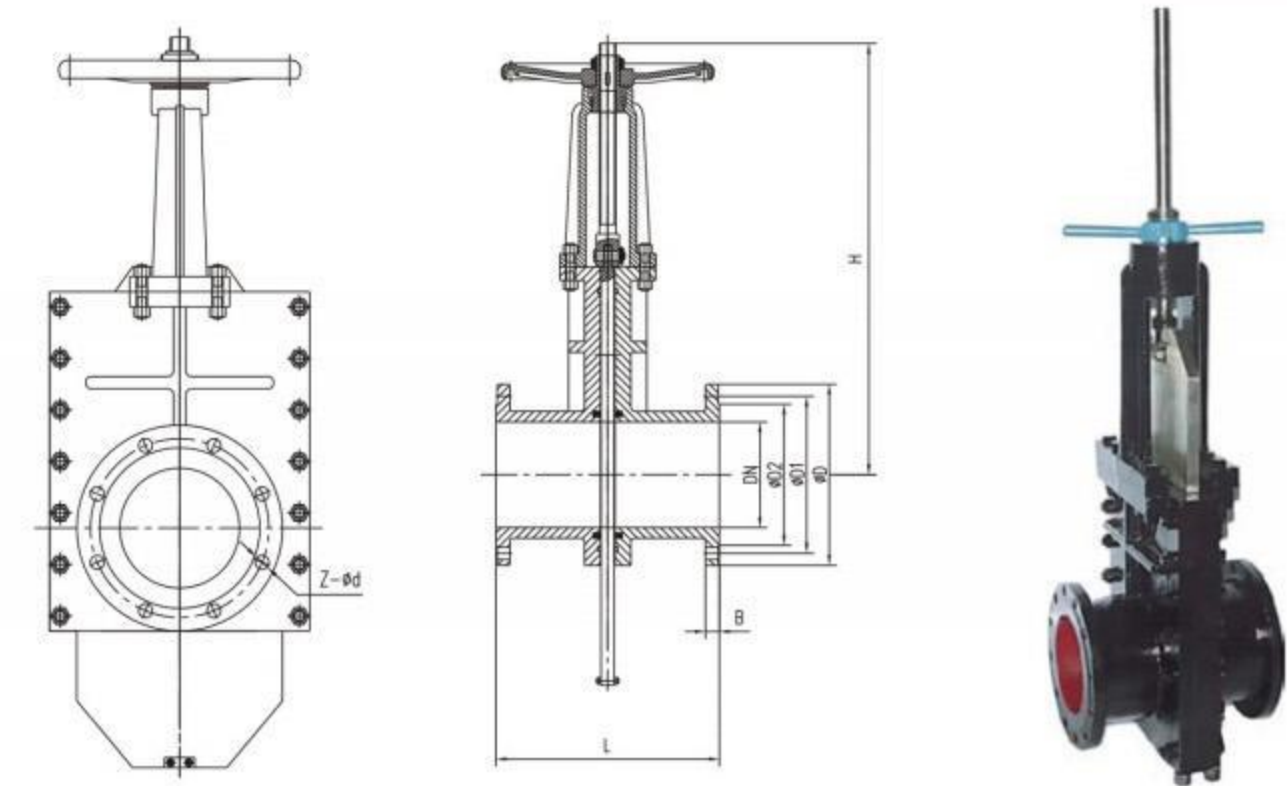
DN	PN1.0MPa							WT (kg)
	L	D	D ₁	D ₂	N-M	D ₀	H	
50	46	165	125	102	4-M16	200	285	8
65	46	180	145	120	4-M16	200	350	9
80	51	195	160	135	4-M16	200	467	11
100	51	215	180	155	8-M16	220	550	14
125	57	245	210	185	8-M16	240	605	20
150	60	280	240	210	8-M20	280	645	28
200	60	335	295	265	8-M20	320	840	38
250	70	390	350	320	12-M20	360	1015	66
300	78	440	400	368	12-M20	360	1165	97
350	78	500	460	428	16-M20	400	1345	110
400	102	565	515	482	16-M22	500	1495	190
450	114	615	565	532	20-M22	500	1650	285
500	127	670	620	585	20-M22	600	1805	385



Main External and Connection Dimension

Unit: mm

DN	PN1.0MPa							WT (kg)
	L	D	D ₁	D ₂	Z-φ d	N-M	H	
50	50	160	125	100		4-M16	397	11
65	50	180	145	120		4-M16	418	12
80	52	195	160	135		4-M16	560	14
100	66	215	180	155	4-φ 18	4-M16	602	16
125	66	245	210	185	4-φ 18	4-M16	690	17
150	74	280	240	210	4-φ 23	4-M20	927	24
200	74	335	295	265	4-φ 23	4-M20	1025	28
250	80	390	350	320	4-φ 23	8-M20	1025	35
300	80	440	400	368	4-φ 23	8-M20	1253	65
350	80	500	460	428	4-φ 25	12-M22	1325	85
400	120	565	515	482	4-φ 25	12-M22	1420	125



Main External and Connection Dimension

Unit: mm

DN	PN1.0MPa								WT (kg)
	L	D	D ₁	D ₂	Z-φ d	b	H	D ₀	
100	300	215	180	155	8-φ 18	20	470	220	65
150	350	280	240	210	8-φ 23	24	650	280	82
200	420	335	295	265	8-φ 23	26	810	280	120
250	450	390	350	320	12-φ 23	28	1060	350	230
300	500	440	400	368	12-φ 23	28	1450	350	373
350	550	500	460	428	16-φ 23	30	1765	400	512
400	600	565	515	482	16-φ 25	32	1950	500	690
450	650	615	565	532	20-φ 25	32	2090	500	736
500	700	670	620	585	20-φ 25	34	2120	600	815

Main External and Connection Dimension

Unit: mm

DN	PN1.6MPa								WT (kg)
	L	D	D ₁	D ₂	Z-φ d	b	H	D ₀	
100	300	215	180	155	8-φ 18	20	470	220	65
150	350	280	240	210	8-φ 23	24	650	280	82
200	420	335	295	265	12-φ 23	26	810	280	120
250	450	405	355	320	12-φ 25	30	1060	350	230
300	500	460	410	375	12-φ 25	30	1450	350	373
350	550	520	470	435	16-φ 25	34	1765	400	512
400	600	580	525	485	16-φ 30	36	1950	500	690
450	650	640	585	545	20-φ 30	40	2090	500	736
500	700	705	650	608	20-φ 34	44	2120	600	815

Main External and Connection Dimension

Unit: mm

DN	PN2.5MPa								WT (kg)
	L	D	D ₁	D ₂	Z-φ d	b	H	D ₀	
100	300	230	190	160	8-φ 23	24	470	220	65
150	350	300	250	218	8-φ 25	30	650	280	82
200	420	360	310	278	12-φ 25	34	810	280	120
250	450	425	370	332	12-φ 30	36	1060	350	230
300	500	485	430	390	16-φ 30	40	1450	350	373
350	550	550	490	448	16-φ 34	44	1765	400	512
400	600	610	550	505	16-φ 34	48	1950	500	690
450	650	660	600	555	20-φ 34	50	2090	500	736
500	700	730	660	610	20-φ 41	52	2120	600	815