



At D-LINE®, Knife valves have a unique and exclusive design and are manufactured with ductile iron bodies that provide an improvement in the mechanical properties, resulting in a less brittle, tougher and more resistant material. D-LINE® Knife valves have SS316 gate which improves the corrosion resistant in demanding environments and are engineered to meet the standards such as MSS, ASME and others.

APPLICATIONS

D-LINE® Knife Valves serve multi-national end users in a wide range of applications in many industries including:

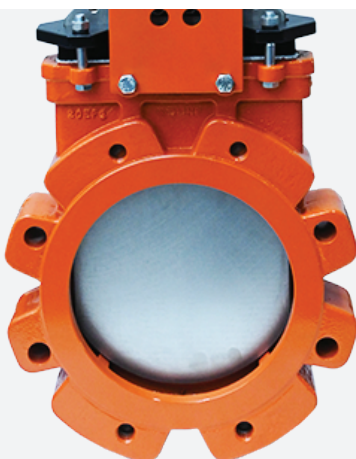
- Power industries
- Water treatment
- Food industries
- Mining
- Paper industries
- Oil refinery industries
- Chemical & Petrochemical

DESIGN FEATURES

- Semi-Lug design
- Drilling dimensions as per ASME B16.5
- Valve design as per MSS-SP-81
- Unidirectional
- Epoxy painted
- Metal seat
- Wheel operator
- Pneumatic actuator available

TEST SPECIFICATION	
TEST ACCORDANCE TO PER MSS-SP-151	
CLASS	150
NOMINAL PRESSURE	150PSI
SHELL TEST (WATER)	225PSI
LOW PRESSURE SEAT TEST (WATER)	40PSI

FEATURES	
SIZE	2" - 24"
CLASS	150
TEMPERATURE	32°F TO 150°F

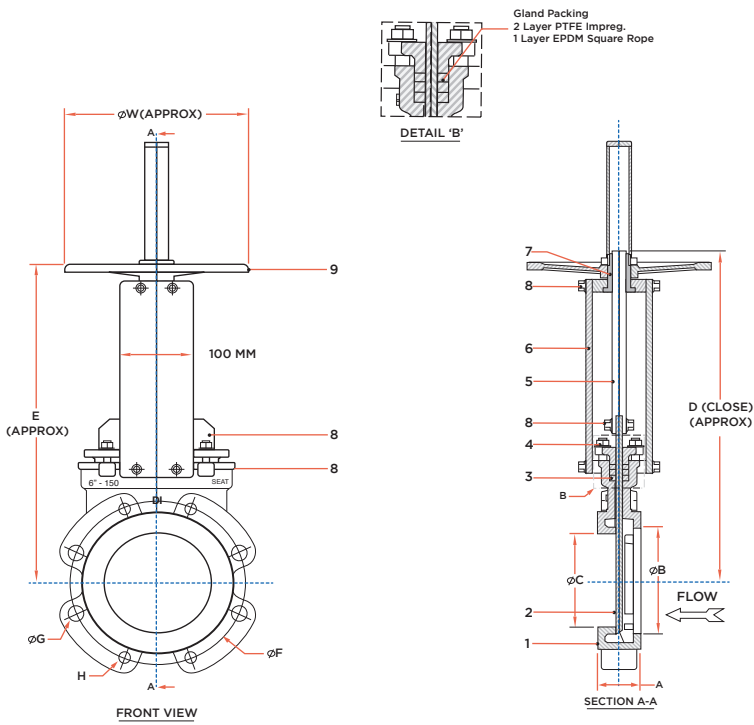


D-LINE® EXCLUSIVE DESIGN

D-LINE® DEVELOPED AN IMPROVED HEAVY-DUTY DESIGN THAT IS CAPABLE OF CARRYING A GREATER PRESSURE.

D-LINE® KNIFE GATE VALVE CAN HOLD UP TO 15 BAR AND HAS EPOXIC PAINTING INCREASING THE CORROSION RESISTANT FOR THE BODY. THE SEMI-PLUG DESIGN PROVIDES AN EASIER AND PRACTICAL METHOD FOR THE INSTALLATION.

DIMENSIONS



VALVE MATERIAL LIST		
No.	DESCRIPTION	MATERIAL
1	BODY	ASTM A-539 Gr. 65-45-12
2	GATE	ASTM A-240 Gr. 316
3	GLAND PACKING	PTFE
4	GLAND FOLLOWER	ASTM A-216 Gr. WCB
5	STEM	SS 304
6	YOKE	MILD STEEL
7	STEM NUT	FORGED BRASS
8	FASTENER	SS 304
9	HANDWHEEL	IRON

DIMENSIONS & WEIGHTS

SIZE	A	B	C	D	E	W	F	G (DRILL)	H	WEIGHT (KG)	TORQUE (N•m)
2"	1.89	2.36	1.97	11.42	10.83	7.87	4.76	-	4 - 0.63	8.90	10.00
2-1/2"	1.89	2.95	2.56	13.39	12.68	7.87	5.51	-	4 - 0.63	12.00	12.00
3"	2.00	3.54	3.15	14.41	13.86	7.87	5.98	-	4 - 0.63	13.60	16.00
4"	2.00	4.53	3.94	16.54	15.91	7.87	7.52	4 - 0.75	4 - 0.63	17.15	20.00
6"	2.24	6.30	5.91	19.45	18.82	9.84	9.49	4 - 0.88	4 - 0.75	26.85	22.00
8"	2.76	8.47	7.87	24.02	23.54	11.81	11.73	4 - 0.88	4 - 0.75	44.70	40.00
10"	2.76	10.43	9.84	27.01	26.30	13.78	14.25	6 - 1.00	6 - 0.88	56.30	60.00
12"	2.99	12.40	11.81	30.71	30.20	13.78	17.01	6 - 1.00	6 - 0.88	80.50	80.00
14"	2.99	14.37	13.78	34.65	34.06	15.75	18.74	6 - 1.13	6 - 1.00	115.00	105.00
16"	3.50	16.14	15.75	37.80	37.21	15.75	21.26	8 - 1.13	8 - 1.00	138.00	132.00
18"	3.50	18.11	17.72	47.25	46.54	21.65	22.76	8 - 1.25	8 - 1.13	177.00	230.00
20"	4.49	20.08	19.69	53.54	52.84	21.65	25.00	10 - 1.25	10 - 1.13	242.00	310.00
24"	4.49	24.02	23.62	61.65	60.95	21.65	29.51	10 - 1.38	10 - 1.25	320.00	370.00

*Weight is estimated

*All dimensions are expressed in inches