

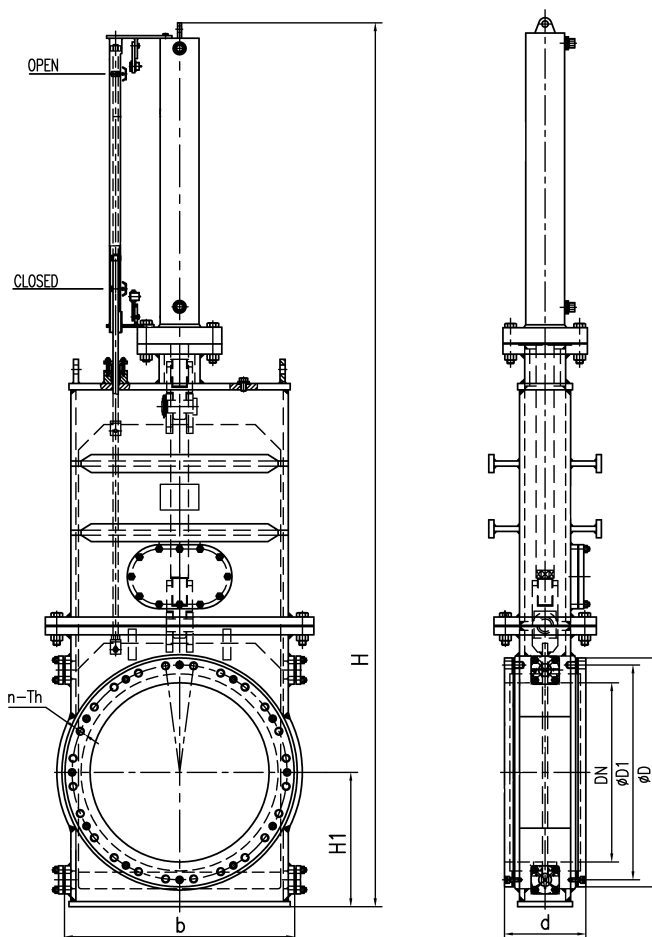
GATE VALVES

In cooperation with China based Jinyang pipe fittings co. Ltd, HollandMT supplies a complete range of rubber ring gate valves for the dredging industry. The main application is to open and close pipe lines for slurry transport on dredge vessels.

The hydraulically operated gate valves are built of a welded steel construction (and stress released) for a wide range of inner pipe diameters and working pressures.

Some of the main characteristics are:

- ✓ The gate valves are designed to cope with highly abrasive slurries and to open and close smoothly in severe operational environments.
- ✓ A polished knife gate is installed, made out of stainless steel.
- ✓ Reinforced rubber ring seals are installed for a perfect seal. The rubber seal provides an efficient and free passage of slurry mixture in the pipeline when the slide is open.
- ✓ The gate valves are designed to be maintenance friendly.
- ✓ The gate valves are equipped with electric open/closed sensors.
- ✓ Special dimensional requirements such as mounting dimensions of the gate valve can be met upon request.
- ✓ The proven design and technology are widely used in the dredging industry.



In the period from 2005 up to 2009 more than 200 gate-valves have been installed on large hopper dredgers and cutter dredgers. A reference list can be provided upon request.



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Main dimensions of the Gate Valves

Working pressure rating 1.6 MPa

Nominal Diameter	Structure size				Flange connection		
	DN [mm]	H [mm]	H1 [mm]	d [mm]	B [mm]	D [mm]	D1 [mm]
450	2290	382	230	620	615	565	16-M24
500	2595	434	258	680	670	620	20-M24
550	2740	456	258	730	730	675	20-M24
600	2950	496	278	780	780	725	20-M27
650	3190	526	278	830	835	780	24-M27
700	3430	550	308	910	895	840	24-M27
750	3605	590	316	960	965	900	24-M27
800	3775	625	346	1010	1015	950	24-M30
850	3915	650	346	1060	1065	1000	24-M30
900	4145	690	386	1120	1115	1050	28-M30
950	4390	721	394	1170	1185	1105	28-M30
1000	4615	775	434	1250	1230	1160	28-M33
1100	4965	805	434	1350	1340	1270	32-M33
1200	5285	875	476	1450	1455	1380	32-M36
1300	5665	910	478	1550	1575	1490	36-M36
1400	6045	965	478	1650	1675	1590	36-M42

Main dimensions of the Gate Valves

Working pressure rating 2.5 MPa

Nominal Diameter	Structure size				Flange connection		
	DN [mm]	H [mm]	H1 [mm]	d [mm]	B [mm]	D [mm]	D1 [mm]
450	2260	405	387	620	670	600	16-M27
500	2555	440	435	680	730	660	20-M27
550	2700	460	435	730	785	710	20-M30
600	2880	500	475	780	845	770	20-M33
650	3075	525	487	830	895	820	20-M33
700	3260	555	536	910	960	875	24-M33
750	3415	590	535	960	1020	935	24-M33
800	3620	625	598	1010	1085	990	24-M36
850	3855	660	598	1060	1130	1040	24-M36
900	4060	695	679	1120	1185	1090	28-M36
950	4220	710	723	1170	1230	1140	28-M36
1000	4810	800	748	1250	1295	1210	28-M42
1100	5135	840	748	1350	1420	1320	32-M42
1200	5250	880	819	1450	1530	1420	32-M42
1300	5735	965	819	1550	1645	1530	36-M42
1400	6075	1025	819	1650	1755	1640	36-M48

All dimensions are indicative values only.