

DN	Hose Type	Inside Diameter (mm)	Outside Diameter (mm)	*② Min.bending radius static bending (mm)	*② Min.bending radius dynamic bending (mm)	*①Maximum Pressure						Mass (kg/m)	Length MAX (m)
						Working pressure			Burst pressure				
						MPa	bar	PSI	MPa	bar	PSI		
25	OM-SD-1	26.5	39.0	80	160	5.7	57	826	22.8	228	3306	1.01	5.0
	OM-SD-2		41.0	115	225	8.2	82	1189	32.9	329	4770	1.45	
32	OM-SD-1	32.0	49.0	100	170	5.3	53	768	21.3	213	3088	1.48	5.0
	OM-SD-2		51.0	140	240	7.6	76	1102	30.5	305	4422	2.18	
40	OM-SD-1	40.5	57.0	110	180	4.0	40	580	16.2	162	2349	2.07	5.0
	OM-SD-2		59.0	155	255	6.2	62	899	24.8	248	3596	2.89	
* 45	OM-SD-1	45.0	64.0	115	190	3.2	32	464	13.1	131	1899	2.16	3.2
	OM-SD-2		66.0	160	270	6.1	61	884	24.7	247	3581	2.98	
50	OM-SD-1	53.0	73.0	120	200	2.1	21	304	8.7	87	1261	2.81	5.0
	OM-SD-2		75.0	170	280	4.1	41	594	16.5	165	2392	3.63	
65	OM-SD-1	66.5	87.9	140	225	2.9	29	420	11.8	118	1711	3.60	5.0
	OM-SD-2		90.4	200	315	5.0	50	725	20.1	201	2914	4.77	
80	OM-SD-1	78.0	103.5	200	250	2.2	22	319	9.0	90	1305	4.16	5.0
	OM-SD-2		106.0	280	350	3.7	37	536	15.1	151	2189	5.40	
* 90	OM-SD-1	92.0	119.5	220	275	1.4	14	203	5.7	57	826	5.14	5.0
	OM-SD-2		122.0	310	390	2.8	28	406	11.3	113	1638	6.91	
100	OM-SD-1	103.0	129.5	240	300	1.3	13	188	5.3	53	768	5.56	5.0
	OM-SD-2		132.0	340	420	2.8	28	406	11.4	114	1653	7.33	
125	OM-SD-1	128.0	157.0	350		1.34	13.4	194	5.6	56	812	7.80	5.0
	OM-SD-2		160.0	490		1.34	13.4	194	8.5	85	1232	10.28	
150	OM-SD-1	151.5	184.0	400		0.96	9.6	139	4.1	41	594	9.04	5.0
	OM-SD-2		187.0	560		0.96	9.6	139	6.1	61	884	11.79	
* 175	OM-SD-1	177.0	210.0	500		1.14	11.4	165	5.0	50	725	12.23	2.5
	OM-SD-2		213.0	700		1.14	11.4	165	7.4	74	1073	16.53	
200	OM-SD-1	202.5	238.5	600		1.06	10.6	153	4.4	44	638	14.52	2.5
	OM-SD-2		243.5	840		1.06	10.6	153	6.7	67	971	18.82	
* 225	OM-SD-1	226.5	264.5	650		1.22	12.2	176	4.9	49	710	18.48	2.5
	OM-SD-2		269.5	910		1.34	13.4	194	7.3	73	1058	23.84	
250	OM-SD-1	250.5	290.5	700		1.01	10.1	146	4.5	45	652	20.52	2.5
	OM-SD-2		295.5	980		1.16	11.6	168	6.0	60	870	25.88	
* 275	OM-SD-1	275.5	317.5	800		1.21	12.1	175	4.9	49	710	26.03	0.4
	OM-SD-2		323.5	1120		1.51	15.1	218	7.2	72	1044	33.24	
300	OM-SD-1	300.0	343.0	900		1.03	10.3	149	4.2	42	609	39.2	2.5
	OM-SD-2		351.0	1260		1.44	14.4	209	5.8	58	841	39.4	
	OM-SD-SH-1	297.0	345.0		1.05	10.5	152	4.2	42	609	39.2	4.0	
350	OM-SD-1	343.0	391.0			1.07	10.7	155	4.3	43	623	42.9	2.5
	OM-SD-2		399.0	It is kept in view.		1.82	18.2	264	7.3	73	1058	56.8	
	OM-SD-SH-1	341.0	391.0		1.1	11.0	159	4.4	44	638	42.9	4.0	
400	OM-SD-1	393.0	445.0			1.08	10.8	156	4.3	44	623	51.1	2.5
	OM-SD-2		455.0		1.83	18.3	265	7.4	74	1073	69.2		
	OM-SD-SH-1	391.0	445.0		1.1	11.0	159	4.4	44	638	51.1	4.0	

*① Working and Burst pressure of flexible hose with single and double braid shows calculated figures at ambient.

- Working pressure of DN25~100 flexible hose with single and double braid is 1/4 time of burst pressure.
- Burst pressure of DN25~100 flexible hose is actual figure measured during the test. (At ambient)
- Working pressure of OM-SD-SH-1 is 1/4 time of burst pressure.

*② The minimum bending radius is based on in-house.

Please contact us for Test results according to ISO10380.

Consult us about nominal dia. marked *.