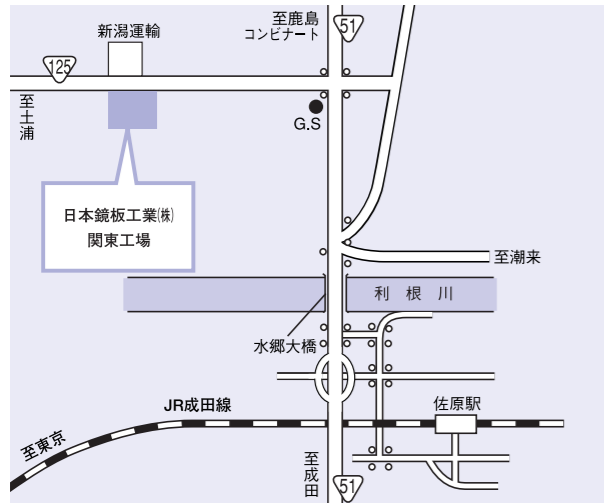
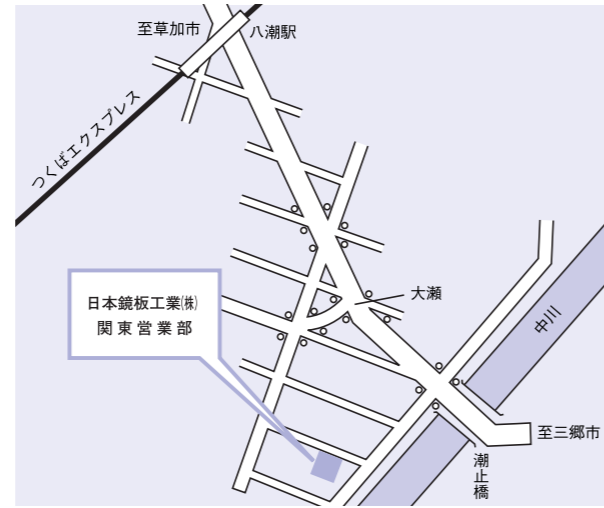
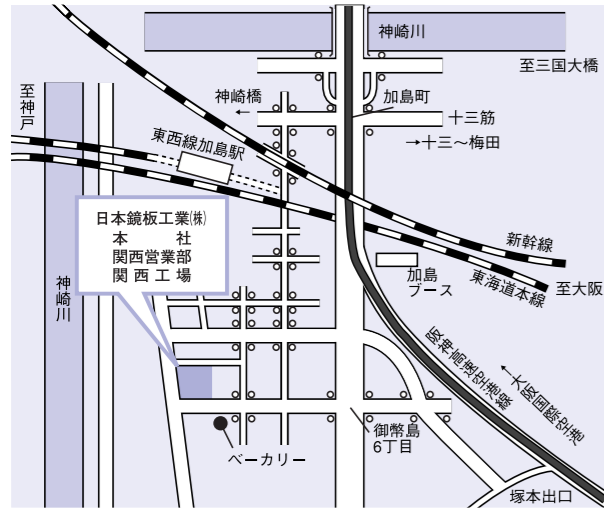


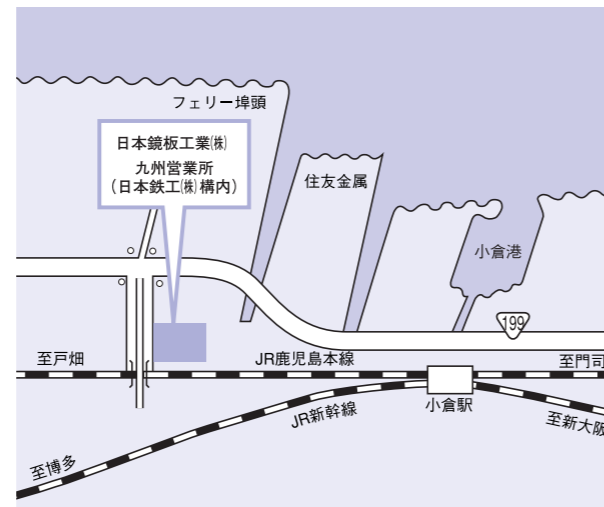
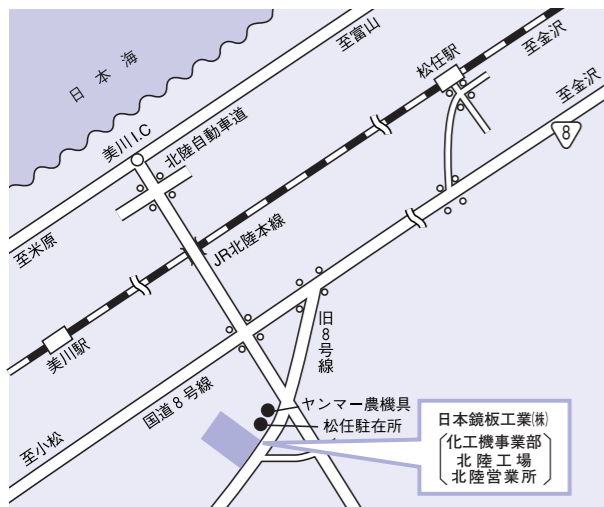
TECHNICAL INFORMATION FOR HEADS

VOL.1



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 **日本鏡板工業株式会社**
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圧力容器用鏡板の計算式について

圧力容器に使用される鏡板は、その設計条件により、形状、寸法及び材質などが変化します。鏡板の形状としましては、日本工業規格 JIS B 8247『圧力容器用鏡板』に、平鏡板、皿形鏡板及び正半だ円体形鏡板などが規格化されております。当社では、プレス工法・スピニング工法・分割組立工法等を採用して、種々な形状の鏡板を製作しております。

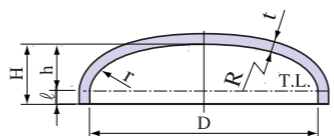
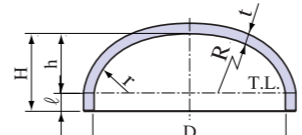
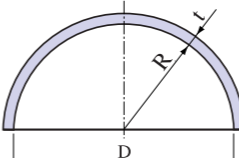
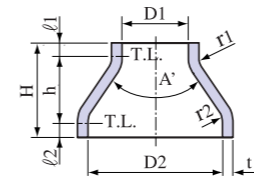
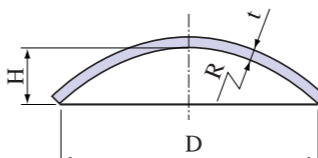
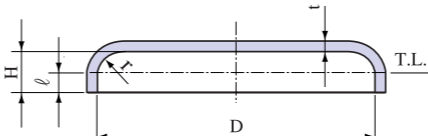
鏡板を扱う場合や設計計算を行う場合には、これらの鏡板についての表面積、容量（容積）などを求めなければならないケースがあり、このため面倒な計算が必要とされます。本資料では、この面倒な計算を簡単に行うことが出来るように、簡略式を整理してみましたので、以下にご紹介します。

なお、本資料にご不明な点がございましたら、お手数ですが当社までご連絡ください。

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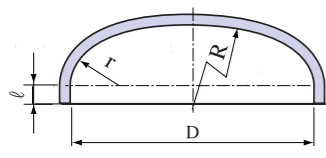
代表的鏡板の内面の表面積・全体容量

各部の記号と名称		計算式
SD  ■皿形鏡板 (Standard flanged dished head) $R=D$ $r=0.1D$ $h=0.194D$	内面の表面積	$0.31514\pi D^2 + \pi D\ell$
	全体容量	$0.09896D^3 + \frac{\pi}{4} D^2\ell$
ED  ■正半だ円体形鏡板 (Ellipsoidal dished head) $R,r=2:1$ 正半だ円曲線 $h=1/4D$	内面の表面積	$0.345\pi D^2 + \pi D\ell$
	全体容量	$0.1309D^3 + \frac{\pi}{4} D^2\ell$
HH  ■半球形鏡板 (Hemispherical head) $R=0.5D$	内面の表面積	$\frac{\pi}{2} D^2$
	全体容量	$\frac{\pi}{12} D^3$
C  ■円錐体形鏡板 (Conical head)	内面の表面積	P.2をご参照下さい
	全体容量	P.2をご参照下さい
DR  ■欠球 (Dished only head)	内面の表面積	$2\pi RH$
	全体容量	$\pi \left(H^2 R - \frac{H^3}{3} \right)$
FH  ■平鏡板 (Flanged only head)	内面の表面積	$\pi \left\{ 2r^2 + \left(\frac{D}{2} - r \right) \left(\frac{D}{2} - r + \pi r \right) \right\} + \pi D\ell$
	全体容量	$\pi r \left\{ \frac{2}{3} r^2 + \left(\frac{D}{2} - r \right) \left(\frac{D}{2} - r + \frac{\pi r}{2} \right) \right\} + \frac{\pi}{4} D^2\ell$

各部の記号と名称

D : 内径 R : 中央部の内半径 r : すみの丸みの内半径
 t : 板厚 ℓ : フランジ長さ H : 内面高さ T.L. : タンゼントライン

特殊皿形鏡板の内面の表面積及び全体容量 (角度:ラジアン)



内面の表面積

$$2\pi A^2(1-C)D^2 + 2\pi B \left\{ BC + (0.5-B)\sin^{-1}C \right\} D^2 + \pi D\ell$$

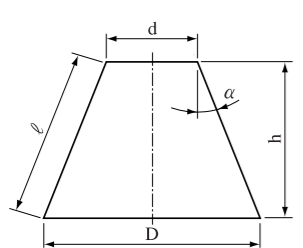
全体容量

$$\pi A^3 \left(\frac{2}{3} - C + \frac{C^3}{3} \right) D^3 + \pi B \left[B^2 + (0.5-B)^2 \right] C - \frac{B^2 C^3}{3} + B(0.5-B) \left(C\sqrt{1-C^2} + \sin^{-1}C \right) D^3 + \frac{\pi}{4} D^2 \ell$$

$A = \frac{R}{D}$
 $B = \frac{r}{D}$
 $C = \sqrt{1 - \left(\frac{0.5-B}{A-B} \right)^2}$

円すい体形鏡板の内面の表面積及び全体容量 (角度:ラジアン)

Type A



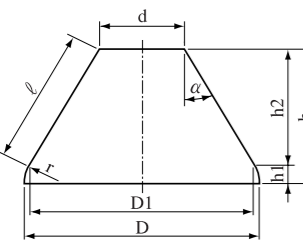
内面の表面積

$$\frac{\pi(D+d)}{4} \sqrt{(D-d)^2 + 4h^2}$$

全体容量

$$\frac{\pi}{12} (D^2 + D \cdot d + d^2) h$$

Type B



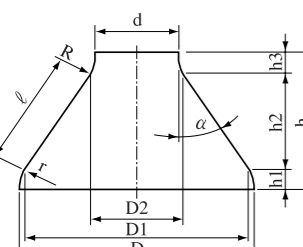
内面の表面積

$$\frac{\pi(D_1+d)}{4} \sqrt{(D_1-d)^2 + 4h_2^2} + 2\pi r \left\{ r \sin \alpha + (D/2-r) \sin^{-1}(\sin \alpha) \right\}$$

全体容量

$$\frac{\pi}{12} (D_1^2 + D_1 \cdot d + d^2) h_2 + \pi \left[\left\{ r^2 + (D/2-r)^2 \right\} h_1 - \frac{h_1^3}{3} + (D/2-r) \left\{ h_1 \sqrt{r^2 - h_1^2} + r^2 \sin^{-1} \frac{h_1}{r} \right\} \right]$$

Type C



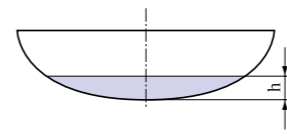
内面の表面積

$$\frac{\pi(D_1+D_2)}{4} \sqrt{(D_1-D_2)^2 + 4h_2^2} + 2\pi r \left\{ r \sin \alpha + (D/2-r) \sin^{-1}(\sin \alpha) \right\} + 2\pi R \left\{ -R \sin \alpha + (d/2+R) \sin^{-1}(\sin \alpha) \right\}$$

全体容量

$$\frac{\pi}{12} (D_1^2 + D_1 \cdot D_2 + D_2^2) h_2 + \pi \left[\left\{ r^2 + (D/2-r)^2 \right\} h_1 - \frac{h_1^3}{3} + (D/2-r) \left\{ h_1 \sqrt{r^2 - h_1^2} + r^2 \sin^{-1} \frac{h_1}{r} \right\} \right] + \pi \left[\left\{ R^2 + (d/2+R)^2 \right\} h_3 - \frac{h_3^3}{3} - (d/2+R) \left\{ h_3 \sqrt{R^2 - h_3^2} + R^2 \sin^{-1} \frac{h_3}{R} \right\} \right]$$

皿形鏡板の容量変化 (フランジ部を含まず) (角度:ラジアン)



[$h \leq 0.1042D$ のとき]

$$Vh = \pi \left(Dh^2 - \frac{h^3}{3} \right)$$

[$0.1042D < h \leq 0.1938D$ のとき]

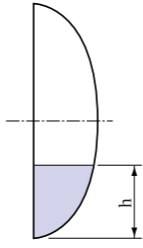
$$Vh = 0.09896D^3 + \pi \left[0.17D^2(h-0.1938D) - \frac{(h-0.1938D)^3}{3} + 0.4D \left\{ (h-0.1938D) \sqrt{0.01D^2 - (h-0.1938D)^2} + 0.01D^2 \sin^{-1} \frac{h-0.1938D}{0.1D} \right\} \right]$$

この場合の容量変化は、理論式で表すのが困難であり、目安的なものとして、下記の計算式並びに表を使って計算される値をご参考にして下さい。

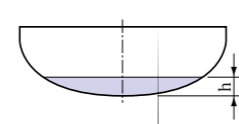
$$\Delta h = \frac{h}{D} \times 100 (\%) \quad \left\{ \begin{array}{l} \Delta V \text{は下表より } \Delta h \text{ に対する} \\ \Delta V \text{として求める} \end{array} \right.$$

$$Vh = 0.09896D^3 \times \frac{\Delta V}{100}$$

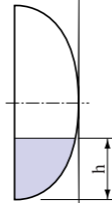
Δh	ΔV	Δh	ΔV	Δh	ΔV	Δh	ΔV
100.0	100.000	75.0	84.343	50.0	50.000	25.0	15.656
99.0	99.967	74.0	83.201	49.0	48.500	24.0	14.545
98.0	99.868	73.0	82.042	48.0	47.002	23.0	13.518
97.0	99.705	72.0	80.844	47.0	45.505	22.0	12.466
96.0	99.479	71.0	79.633	46.0	44.013	21.0	11.493
95.0	99.192	70.0	78.059	45.0	42.525	20.0	10.505
94.0	98.845	69.0	77.111	44.0	41.043	19.0	9.553
93.0	98.488	68.0	75.865	43.0	39.542	18.0	8.729
92.0	98.099	67.0	74.551	42.0	38.076	17.0	7.845
91.0	97.618	66.0	73.270	41.0	36.596	16.0	7.073
90.0	97.080	65.0	71.919	40.0	35.152	15.0	6.263
89.0	96.492	64.0	71.550	39.0	33.720	14.0	5.496
88.0	95.879	63.0	69.133	38.0	32.270	13.0	4.801
87.0	95.199	62.0	67.730	37.0	30.867	12.0	4.121
86.0	94.504	61.0	66.280	36.0	29.450	11.0	3.508
85.0	93.737	60.0	64.848	35.0	28.081	10.0	2.920
84.0	92.927	59.0	63.404	34.0	26.730	9.0	2.382
83.0	92.155	58.0	61.924	33.0	25.449	8.0	1.961
82.0	91.271	57.0	60.458	32.0	24.135	7.0	1.512
81.0	90.446	56.0	58.957	31.0	22.889	6.0	1.155
80.0	89.495	55.0	57.475	30.0	21.616	5.0	0.808
79.0	88.507	54.0	56.987	29.0	20.367	4.0	0.521
78.0	87.534	53.0	54.495	28.0	19.156	3.0	0.295
77.0	86.482	52.0	52.998	27.0	17.958	2.0	0.132
76.0	85.455	51.0	51.500	26.0	16.799	1.0	0.033
						0.0	0.000



2:1 正半だ円体形鏡板の容量変化 (フランジ部を含まず)



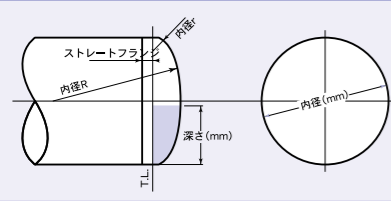
$Vh = 4\pi \left(\frac{D}{4} h^2 - \frac{1}{3} h^3 \right)$



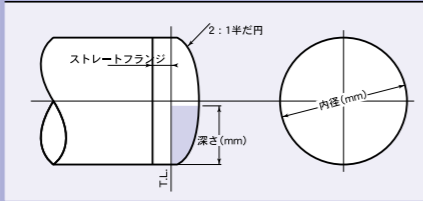
$Vh = \frac{\pi}{4} \left(\frac{D}{2} h^2 - \frac{1}{3} h^3 \right)$

鏡板及び胴板の標準容量表

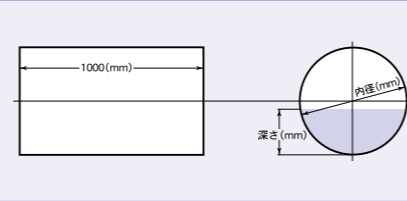
さら形鏡板容量表 (m³)



半円形鏡板容量表 (m³)



円筒横形容容量表 (m³)



内径D (mm)	深さh (mm)	形状(m³)			内径D (mm)	深さh (mm)	形状(m³)			内径D (mm)	深さh (mm)	形状(m³)			内径D (mm)	深さh (mm)	形状(m³)																																																				
		SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形																																																		
300	50	.0002	.0003	.0077	300	150	.0033	.0044	.0553	800	100	.0023	.0029	.0363	950	200	.0098	.0128	.1086	1050	50	.0008	.0010	.0154	1100	100	.0033	.0041	.0430	1150	50	.0009	.0011	.0158	1200	50	.0009	.0011	.0161	1250	50	.0009	.0012	.0165	1300	50	.0010	.0012	.0168	1350	50	.0010	.0012	.0171	1400	50	.0010	.0012	.0174	1450	50	.0010	.0012	.0177	1500	50	.0010	.0012	.0180

内径D (mm)	深さh (mm)	形状(m³)			内径D (mm)	深さh (mm)	形状(m³)			内径D (mm)	深さh (mm)	形状(m³)			内径D (mm)	深さh (mm)	形状(m³)							
		SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形					
1050	900	.1080	.1431	.7900	1050	700	.1068	.1411	.6849	1350	50	.0010	.0013	.0171	1450	400	.0562	.0744	.3707	1500	400	.0562	.0744	.3707

鏡板及び胴板の標準容量表

内径D (mm)	深サh (mm)	形状 (m ³)			内径D (mm)	深サh (mm)	形状 (m ³)			内径D (mm)	深サh (mm)	形状 (m ³)			内径D (mm)	深サh (mm)	形状 (m ³)			
		SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形	
1550	550	.1060	.1406	.5997	1650	500	.0976	.1293	.5471	1750	250	.0303	.0389	.2108	1800	1600	.5563	.7372	2.3901	
	600	.1227	.1626	.6745		550	.1150	.1524	.6239		300	.0422	.0548	.2744		1650	.5648	.7484	2.4434	
	650	.1399	.1853	.7506		600	.1332	.1767	.7025		350	.0557	.0730	.3425		1700	.5717	.7566	2.4891	
	700	.1574	.2085	.8274		650	.1523	.2019	.7826		400	.0708	.0932	.4142		1750	.5757	.7617	2.5249	
	750	.1753	.2319	.9047		700	.1719	.2277	.8637		450	.0873	.1153	.4893		1800	.5771	.7634	2.5447	
	800	.1932	.2556	.9822		750	.1919	.2540	.9455		500	.1051	.1391	.5671		1850	50	.0015	.0018	.0201
	850	.2111	.2790	1.0595		800	.2121	.2806	1.0279		550	.1240	.1643	.6473			100	.0056	.0070	.0564
	900	.2287	.3022	1.1364		850	.2325	.3074	1.1104		600	.1440	.1909	.7294			150	.0126	.0155	.1028
	950	.2458	.3249	1.2124		900	.2526	.3340	1.1927		650	.1648	.2185	.8133			200	.0215	.0270	.1568
	1000	.2625	.3469	1.2873		950	.2726	.3603	1.2746		700	.1864	.2469	.8984			250	.0323	.0413	.2173
	1050	.2784	.3681	1.3606		1000	.2922	.3861	1.3557		750	.2085	.2761	.9846		300	.0450	.0583	.2830	
	1100	.2934	.3881	1.4320		1050	.3113	.4113	1.4357		800	.2310	.3058	1.0716		350	.0595	.0778	.3534	
	1150	.3075	.4069	1.5012		1100	.3295	.4356	1.5143		850	.2537	.3357	1.1589		400	.0758	.0995	.4278	
	1200	.3204	.4242	1.5675		1150	.3469	.4587	1.5912		900	.2767	.3658	1.2464		450	.0935	.1233	.5056	
	1250	.3320	.4398	1.6306		1200	.3634	.4806	1.6659		950	.2994	.3957	1.3337		500	.1126	.1489	.5864	
	1300	.3423	.4535	1.6898		1250	.3786	.5011	1.7380		1000	.3219	.4254	1.4206		550	.1330	.1762	.6698	
	1350	.3510	.4652	1.7443		1300	.3926	.5199	1.8071		1050	.3440	.4546	1.5068		600	.1546	.2050	.7554	
	1400	.3582	.4747	1.7933		1350	.4052	.5368	1.8727		1100	.3656	.4830	1.5920		650	.1773	.2350	.8429	
	1450	.3638	.4817	1.8355		1400	.4163	.5516	1.9342		1150	.3864	.5106	1.6759		700	.2008	.2662	.9319	
	1500	.3674	.4860	1.8686		1450	.4257	.5642	1.9908		1200	.4064	.5372	1.7580		750	.2250	.2982	1.0222	
1550	.3685	.4875	1.8669	1500	.4335	.5743	2.0415	1250	.4253	.5624	1.8382	800	.2498	.3309	1.1135					
1600	50	.0012	.0015	.0187	1550	.4395	.5818	2.0851	1300	.4431	.5862	1.9160	850	.2750	.3641	1.2054				
	100	.0049	.0060	.0523	1600	.4433	.5864	2.1193	1350	.4596	.6083	1.9910	900	.3005	.3976	1.2978				
	150	.0107	.0133	.0952	1650	.4445	.5880	2.1382	1400	.4747	.6285	2.0628	950	.3261	.4312	1.3903				
	200	.0181	.0230	.1451	1700	50	.0013	.0016	.0193	1450	.4882	.6467	2.1309	1000	.3516	.4647	1.4826			
	250	.0272	.0352	.2006		100	.0052	.0064	.0540	1500	.5001	.6626	2.1945	1050	.3768	.4979	1.5746			
	300	.0379	.0495	.2610		150	.0115	.0141	.0983	1550	.5102	.6761	2.2531	1100	.4016	.5306	1.6658			
	350	.0501	.0657	.3253		200	.0195	.0246	.1499	1600	.5185	.6869	2.3055	1150	.4257	.5626	1.7561			
	400	.0635	.0838	.3931		250	.0292	.0376	.2075	1650	.5251	.6949	2.3505	1200	.4493	.5938	1.8452			
	450	.0781	.1034	.4637		300	.0407	.0530	.2699	1700	.5291	.6988	2.3858	1250	.4720	.6238	1.9327			
	500	.0939	.1244	.5368		350	.0538	.0706	.3368	1750	.5304	.7015	2.4053	1300	.4936	.6526	2.0183			
	550	.1105	.1465	.6119		400	.0684	.0901	.4073	1800	50	.0014	.0017	.0198	1350	.5140	.6799	2.1017		
	600	.1280	.1696	.6887		450	.0842	.1113	.4809	100	.0054	.0068	.0556	1400	.5331	.7055	2.1825			
	650	.1461	.1936	.7667		500	.1013	.1342	.5572	150	.0123	.0150	.1013	1450	.5508	.7293	2.2603			
	700	.1647	.2181	.8457	550	.1195	.1584	.6357	200	.0208	.0262	.1546	1500	.5671	.7510	2.3346				
	750	.1836	.2430	.9254	600	.1386	.1838	.7161	250	.0313	.0401	.2140	1550	.5816	.7705	2.4050				
	800	.2027	.2681	1.0053	650	.1586	.2102	.7981	300	.0436	.0565	.2788	1600	.5943	.7875	2.4708				
	850	.2217	.2932	1.0853	700	.1791	.2373	.8812	350	.0577	.0754	.3480	1650	.6051	.8018	2.5312				
	900	.2406	.3181	1.1649	750	.2002	.2651	.9653	400	.0733	.0963	.4211	1700	.6140	.8133	2.5853				
	950	.2592	.3426	1.2439	800	.2216	.2932	1.0499	450	.0904	.1193	.4975	1750	.6210	.8218	2.6316				
	1000	.2773	.3666	1.3220	850	.2431	.3216	1.1349	500	.1088	.1440	.5768	1800	.6251	.8270	2.6680				
1050	.2948	.3897	1.3987	900	.2646	.3499	1.2199	550	.1286	.1703	.6586	1850	.6266	.8288	2.6880					
1100	.3115	.4118	1.4738	950	.2860	.3780	1.3045	600	.1494	.1979	.7425	1900	50	.0015	.0018	.0204				
1150	.3272	.4328	1.5469	1000	.3071	.4058	1.3886	650	.1710	.2268	.8282		100	.0058	.0072	.0572				
1200	.3419	.4524	1.6175	1050	.3276	.4329	1.4717	700	.1936	.2566	.9153		150	.0130	.0159	.1042				
1250	.3553	.4705	1.6853	1100	.3476	.4593	1.5537	750	.2168	.2872	1.0036		200	.0322	.0278	.1591				
1300	.3674	.4867	1.7497	1150	.3667	.4847	1.6341	800	.2405	.3183	1.0927		250	.0534	.0425	.2204				
1350	.3781	.5010	1.8100	1200	.3849	.5089	1.7126	850	.2644	.3499	1.1824		300	.0765	.0601	.2873				
1400	.3872	.5132	1.8656	1250	.4020	.5318	1.7889	900	.2886	.3817	1.2723		350	.0915	.0802	.3588				
1450	.3946	.5229	1.9155	1300	.4178	.5530	1.8625	950	.3127	.4135	1.3623		400	.1182	.1026	.4344				
1500	.4005	.5302	1.9583	1350	.4324	.5725	1.9330	1000	.3367	.4451	1.4520		450	.1466	.1272	.5135				
1550	.4041	.5347	1.9920	1400	.4455	.5901	1.9999	1050	.3603	.4762	1.5411		500	.1764	.1538	.5958				
1600	.4053	.5362	2.0106	1450	.4570	.6055	2.0624	1100	.3835	.5068	1.6294	550	.2076	.1821	.6807					
1650	50	.0013	.0016	.0190	1500	.4667	.6185	2.1199	1150	.4061	.5366	1.7165	600	.2399	.2121	.7680				
	100	.0050	.0062	.0532	1550	.4747	.6290	2.1715	1200	.4278	.5655	1.8022	650	.2742	.2433	.8573				
	150	.0111	.0137	.0967	1600	.4810	.6367	2.2158	1250	.4485	.5931	1.8861	700	.3099	.2758	.9482				
	200	.0188	.0238	.1475	1650	.4849	.6415	2.2505	1300	.4683	.6194	1.9679	750	.3464	.3093	1.0405				
	250	.0283	.0364	.2041	1700	.4862	.6431	2.2698	1350	.4867	.6441	2.0472	800	.3847	.3435	1.1338				
	300	.0393	.0512	.2655	1750	50	.0013	.0017	.0195	1400	.5038	.6671	2.1236	850	.4247	.3783	1.2280			
	350	.0519	.0681	.3311		100	.0053	.0066	.0548	1450	.5194	.6880	2.1967	900	.4653	.4135	1.3227			
	400	.0659	.0869	.4003		150	.0119	.0146	.0998	1500	.5336	.7069	2.2659	950	.5086	.4489	1.4176			
	450	.0812	.1074	.4724		200	.0202	.0254	.1522	1550	.5458	.7233	2.3307	1000	.5534	.4843	1.5126			

内径D (mm)	深サh (mm)	形状 (m ³)			内径D (mm)	深サh (mm)	形状 (m ³)			内径D (mm)	深サh (mm)	形状 (m ³)			内径D (mm)	深サh (mm)	形状 (m ³)		
		SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形
1900	1050	.3931	.5195	1.6073	2000	300	.0494	.0636	.2955	2100	1400	.6793	.8980	2.4530	2300	200	.0276	.0340	.1761
	1100	.4195	.5544	1.7015		350	.0653	.0850	.3693		1450	.7076	.9358	2.5510		250	.0417	.0524	.2444
	1150	.4454	.5886	1.7948		400	.0832	.1089	.4473		1500	.7348	.9720	2.6470		300	.0583	.0742	.3189
	1200	.4707	.6220	1.8871		450	.1028	.1352	.5291		1550	.7606	1.0064	2.7407		350	.0771	.0994	.3990
	1250	.4952	.6545	1.9780		500	.1240	.1636	.6142		1600	.7848	1.0389	2.8316		400	.0982	.1278	.4840
	1300	.5187	.6858	2.0673		550	.1467	.1940	.7022		1650	.807							

鏡板及び胴板の標準容量表

内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)				
		SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形		
2400	1000	.5140	.6807	1.7842	2500	1700	1.1731	1.5510	3.5546	2600	2300	1.6720	2.2159	4.9685	2800	100	.0092	.0107	.0697		
	1050	.5560	.7360	1.9029		1750	1.2127	1.6035	3.6702		2350	1.6912	2.2410	5.0485		150	.0201	.0239	.1275		
	1100	.5983	.7919	2.0222		1800	1.2505	1.6540	3.7836		2400	1.7079	2.2620	5.1215		200	.0342	.0419	.1952		
	1150	.6412	.8483	2.1420		1850	1.2867	1.7024	3.8946		2450	1.7210	2.2786	5.1866		250	.0522	.0646	.2713		
	1200	.6840	.9048	2.2619		1900	1.3209	1.7484	4.0028		2500	1.7309	2.2908	5.2421		300	.0733	.0919	.3546		
	1250	.7269	.9613	2.3819		1950	1.3533	1.7919	4.1080		2550	1.7372	2.2982	5.2855		350	.0972	.1235	.4442		
	1300	.7697	1.0176	2.5017		2000	1.3838	1.8326	4.2098		2600	1.7393	2.3007	5.3093		400	.1240	.1592	.5396		
	1350	.8120	1.0735	2.6210		2050	1.4119	1.8704	4.3079		2700	50	.0022	.0026		.0242	450	.1534	.1988	.6400	
	1400	.8541	1.1289	2.7397		2100	1.4378	1.9050	4.4018			100	.0089	.0103		.0685	500	.1859	.2442	.7451	
	1450	.8952	1.1835	2.8576		2150	1.4611	1.9363	4.4910			150	.0193	.0230		.1251	550	.2211	.2891	.8544	
	1500	.9360	1.2370	2.9744		2200	1.4820	1.9640	4.5751			200	.0329	.0403		.1915	600	.2586	.3393	.9675	
	1550	.9756	1.2894	3.0899		2250	1.5003	1.9880	4.6533			250	.0502	.0622		.2661	650	.2981	.3927	1.0840	
	1600	1.0140	1.3405	3.2039		2300	1.5159	2.0081	4.7248			300	.0703	.0884		.3477	700	.3403	.4490	1.2038	
	1650	1.0512	1.3899	3.3161		2350	1.5286	2.0241	4.7885			350	.0933	.1187		.4356	750	.3844	.5081	1.3264	
	1700	1.0870	1.4376	3.4263		2400	1.5381	2.0357	4.8429			400	.1187	.1529		.5289	800	.4303	.5697	1.4517	
	1750	1.1211	1.4833	3.5342		2450	1.5442	2.0429	4.8853			450	.1470	.1909		.6272	850	.4783	.6337	1.5793	
	1800	1.1538	1.5269	3.6395		2500	1.5463	2.0453	4.9087			500	.1783	.2323		.7300	900	.5282	.6997	1.7091	
	1850	1.1843	1.5681	3.7419		2600	50	.0021	.0025			.0238	550	.2116		.2772	.8369	950	.5795	.7679	1.8408
	1900	1.2132	1.6067	3.8411			100	.0085	.0099			.0672	600	.2474		.3252	.9474	1000	.6318	.8378	1.9742
	1950	1.2400	1.6426	3.9367			150	.0185	.0221		.1227	650	.2854	.3761		1.0613	1050	.6860	.9092	2.1091	
	2000	1.2648	1.6756	4.0283			200	.0315	.0387		.1878	700	.3254	.4297		1.1782	1100	.7413	.9820	2.2452	
	2050	1.2869	1.7054	4.1154			250	.0482	.0597		.2608	750	.3673	.4860		1.2978	1150	.7971	1.0560	2.3825	
	2100	1.3068	1.7318	4.1975			300	.0673	.0848		.3408	800	.4114	.5445		1.4199	1200	.8539	1.1310	2.5207	
	2150	1.3241	1.7548	4.2739			350	.0891	.1138		.4267	850	.4568	.6053		1.5443	1250	.9117	1.2067	2.6596	
2200	1.3390	1.7740	4.3438	400	.1137		.1466	.5181	900	.5041	.6680	1.6707	1300	.9696	1.2831	2.7990					
2250	1.3516	1.7893	4.4062	450	.1405		.1829	.6142	950	.5527	.7324	1.7988	1350	1.0276	1.3598	2.9388					
2300	1.3607	1.8004	4.4594	500	.1705		.2225	.7146	1000	.6023	.7985	1.9285	1400	1.0862	1.4368	3.0788					
2350	1.3661	1.8073	4.5010	550	.2021		.2653	.8190	1050	.6535	.8659	2.0595	1450	1.1448	1.5137	3.2187					
2400	1.3680	1.8096	4.5239	600	.2364		.3110	.9269	1100	.7056	.9345	2.1917	1500	1.2028	1.5904	3.3585					
2500	50	.0020	.0024	.0234	650	.2724	.3595	1.0380	1150	.7580	1.0041	2.3248	1550	1.2607	1.6668	3.4980					
	100	.0082	.0096	.0659	700	.3106	.4105	1.1520	1200	.8115	1.0744	2.4586	1600	1.3184	1.7425	3.6369					
	150	.0178	.0212	.1202	750	.3505	.4639	1.2685	1250	.8657	1.1454	2.5930	1650	1.3753	1.8175	3.7750					
	200	.0303	.0372	.1840	800	.3921	.5194	1.3874	1300	.9194	1.2167	2.7278	1700	1.4311	1.8915	3.9123					
	250	.0459	.0573	.2555	850	.4354	.5769	1.5085	1350	.9739	1.2883	2.8628	1750	1.4864	1.9643	4.0485					
	300	.0642	.0813	.3337	900	.4798	.6362	1.6313	1400	1.0284	1.3598	2.9978	1800	1.5406	2.0357	4.1833					
	350	.0852	.1090	.4117	950	.5257	.6970	1.7558	1450	1.0822	1.4311	3.1325	1850	1.5928	2.1056	4.3167					
	400	.1084	.1403	.5070	1000	.5732	.7592	1.8816	1500	1.1363	1.5021	3.2670	1900	1.6442	2.1738	4.4484					
	450	.1342	.1749	.6008	1050	.6211	.8226	2.0087	1550	1.1898	1.5724	3.4008	1950	1.6940	2.2398	4.5782					
	500	.1625	.2127	.6989	1100	.6698	.8870	2.1367	1600	1.2422	1.6420	3.5339	2000	1.7421	2.3038	4.7058					
	550	.1930	.2534	.8007	1150	.7192	.9521	2.2655	1650	1.2944	1.7106	3.6661	2050	1.7880	2.3654	4.8311					
	600	.2253	.2969	.9059	1200	.7691	1.0179	2.3949	1700	1.3455	1.7780	3.7971	2100	1.8321	2.4245	4.9537					
	650	.2595	.3429	1.0141	1250	.8194	1.0840	2.5247	1750	1.3951	1.8441	3.9268	2150	1.8743	2.4808	5.0735					
	700	.2958	.3913	1.1251	1300	.8697	1.1503	2.6546	1800	1.4438	1.9085	4.0549	2200	1.9138	2.5342	5.1901					
	750	.3336	.4418	1.2386	1350	.9199	1.2167	2.7846	1850	1.4910	1.9712	4.1813	2250	1.9513	2.5844	5.3032					
	800	.3731	.4943	1.3542	1400	.9702	1.2828	2.9144	1900	1.5365	2.0320	4.3056	2300	1.9864	2.6313	5.4124					
	850	.4139	.5485	1.4717	1450	1.0201	1.3846	3.0438	1950	1.5806	2.0905	4.4277	2350	2.0189	2.6747	5.5175					
	900	.4559	.6044	1.5909	1500	1.0695	1.4137	3.1726	2000	1.6225	2.1468	4.5474	2400	2.0483	2.7143	5.6179					
	950	.4992	.6616	1.7116	1550	1.1182	1.4781	3.3006	2050	1.6624	2.2004	4.6643	2450	2.0751	2.7500	5.7133					
	1000	.5434	.7200	1.8336	1600	1.1662	1.5415	3.4277	2100	1.7007	2.2513	4.7782	2500	2.0991	2.7816	5.8030					
	1050	.5884	.7793	1.9565	1650	1.2136	1.6037	3.5535	2150	1.7362	2.2993	4.8887	2550	2.1201	2.8089	5.8862					
	1100	.6341	.8395	2.0803	1700	1.2595	1.6645	3.6780	2200	1.7700	2.3442	4.9955	2600	2.1381	2.8316	5.9623					
	1150	.6802	.9002	2.2046	1750	1.3040	1.7238	3.8008	2250	1.8008	2.3856	5.0983	2650	2.1523	2.8496	6.0300					
	1200	.7266	.9613	2.3294	1800	1.3472	1.7813	3.9219	2300	1.8291	2.4236	5.1966	2700	2.1632	2.8628	6.0878					
1250	.7731	1.0227	2.4544	1850	1.3889	1.8368	4.0408	2350	1.8545	2.4578	5.2900	2750	2.1700	2.8708	6.1329						
1300	.8197	1.0840	2.5793	1900	1.4288	1.8902	4.1573	2400	1.8776	2.4881	5.3778	2800	2.1724	2.8735	6.1575						
1350	.8661	1.1451	2.7041	1950	1.4669	1.9412	4.2713	2450	1.8976	2.5143	5.4594	2900	50	.0024	.0028	.0250					
1400	.9122	1.2058	2.8285	2000	1.5029	1.9897	4.3824	2500	1.9150	2.5362	5.5340		100	.0096	.0111	.0710					
1450	.9578	1.2660	2.9522	2050	1.5372	2.0354	4.4903	2550	1.9286	2.5535	5.6004		150	.0209	.0247	.1298					
1500	1.0028	1.3253	3.0752	2100	1.5693	2.0782	4.5947	2600	1.9390	2.5662	5.6571		200	.0360	.0435	.1988					
1550	1.0470	1.3837	3.1971	2150	1.5985	2.1178	4.6951	2650	1.9457	2.5739	5.7014		250	.0544	.0671	.2764					
1600	1.0903	1.4409	3.3178	2200	1.6256	2.1541	4.7912	2700	1.9478	2.5765	5.7256		300	.0766	.0954	.3613					
1650	1.1323	1.4968	3.4370	2250	1.6502	2.1869	4.8826	2800	50	.0023	.0027		.0246	350	.1012	.1283	.4527				

内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)		
		SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形
2900	400	.1295	.1655	.5500	3000	600	.2808	.3676	1.0064	3100	700	.3850	.5067	1.2776	3200	700	.4001	.5260	1.3013
	450	.1602	.2068	.6526		650	.3240	.4258	1.1282		750	.4354	.5743	1.4088		750	.4526	.5964	1.4353
	500	.1939	.2520	.7599		700	.3702	.4875	1.2535		800	.4883	.6451	1.5431		800	.5077	.6702	1.5723
	550	.2305	.3009	.8715		750	.4183	.5522	1.3819		850	.5435	.7188	1.6801		850	.5652	.7471	1.7123
	600	.2697	.3534	.9871		800	.4690	.6199	1.5132		900	.6008	.7952	1.8196		900	.6250	.8270	1.8549
	650	.3110	.4093	1.1064		850	.5219	.6904	1.6472		950	.6601	.8742	1.9614		950	.6870	.9097	2.0000
	700	.3553	.4682	1.2289		900	.5765	.7634	1.7835										

鏡板及び胴板の標準容量表

内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)		
		SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形
3300	600	.314	.410	1.0622	3400	400	.1556	.1969	.5996	3500	100	.0117	.0135	.0782	3600	3200	4.1484	5.4957	9.2220
	650	.3633	.4756	1.1915		450	.1930	.2465	.7120		150	.0257	.0301	.1431		3250	4.1756	5.5305	9.3161
	700	.4152	.5452	1.3246		500	.2339	.3011	.8298		200	.0444	.0529	.2193		3300	4.1988	5.5595	9.4019
	750	.4698	.6185	1.4612		550	.2782	.3603	.9527		250	.0676	.0818	.3051		3350	4.2175	5.5823	9.4781
	800	.5272	.6954	1.6011		600	.3258	.4241	1.0801		300	.0948	.1166	.3992		3400	4.2315	5.5989	9.5429
	850	.5871	.7755	1.7439		650	.3765	.4922	1.2118		350	.1260	.1572	.5007		3450	4.2402	5.6089	9.5934
	900	.6494	.8589	1.8896		700	.4303	.5645	1.3474		400	.1610	.2032	.6090		3500	4.2432	5.6123	9.6212
	950	.7141	.9451	2.0378		750	.4871	.6406	1.4867		450	.1997	.2545	.7233		50	.0031	.0035	.0282
	1000	.7809	1.0341	2.1884		800	.5467	.7205	1.6293		500	.2420	.3109	.8431		100	.0121	.0139	.0793
	1050	.8497	1.1257	2.3411		850	.6090	.8039	1.7750		550	.2879	.3722	.9681		150	.0265	.0309	.1451
	1100	.9204	1.2196	2.4957		900	.6738	.8906	1.9236		600	.3372	.4383	1.0978		200	.0458	.0545	.2225
	1150	.9928	1.3157	2.6521		950	.7412	.9805	2.0749		650	.3898	.5088	1.2318		250	.0697	.0843	.3096
	1200	1.0668	1.4137	2.8101		1000	.8108	1.0734	2.2287		700	.4455	.5837	1.3699		300	.0979	.1202	.4052
	1250	1.1422	1.5135	2.9696		1050	.8825	1.1690	2.3847		750	.5044	.6627	1.5117		350	.1301	.1620	.5083
	1300	1.2189	1.6149	3.1302		1100	.9563	1.2671	2.5428		800	.5662	.7456	1.6570		400	.1663	.2095	.6182
	1350	1.2968	1.7177	3.2920		1150	1.0320	1.3676	2.7028		850	.6310	.8323	1.8056		450	.2064	.2624	.7344
	1400	1.3756	1.8216	3.4547		1200	1.1094	1.4703	2.8645		900	.6983	.9225	1.9571		500	.2502	.3207	.8562
	1450	1.4551	1.9265	3.6181		1250	1.1885	1.5749	3.0277		950	.7683	1.0160	2.1114		550	.2976	.3841	.9832
	1500	1.5354	2.0322	3.7822		1300	1.2689	1.6813	3.1923		1000	.8407	1.1126	2.2683		600	.3486	.4524	1.1151
	1550	1.6161	2.1385	3.9467		1350	1.3506	1.7892	3.3581		1050	.9155	1.2122	2.4276		650	.4031	.5254	1.2515
	1600	1.6971	2.2452	4.1115		1400	1.4334	1.8986	3.5249		1100	.9924	1.3147	2.5890		700	.4608	.6029	1.3920
	1650	1.7783	2.3521	4.2765		1450	1.5172	2.0091	3.6927		1150	1.0713	1.4196	2.7525		750	.5218	.6848	1.5363
	1700	1.8595	2.4590	4.4415		1500	1.6017	2.1206	3.8612		1200	1.1522	1.5268	2.9178		800	.5859	.7708	1.6843
	1750	1.9405	2.5657	4.6063		1550	1.6869	2.2328	4.0303		1250	1.2347	1.6363	3.0847		850	.6530	.8607	1.8356
	1800	2.0212	2.6719	4.7708		1600	1.7727	2.3457	4.1998		1300	1.3188	1.7477	3.2531		900	.7229	.9543	1.9900
	1850	2.1014	2.7777	4.9349		1650	1.8587	2.4590	4.3696		1350	1.4044	1.8608	3.4229		950	.7955	1.0514	2.1473
	1900	2.1810	2.8826	5.0983		1700	1.9449	2.5725	4.5396		1400	1.4912	1.9756	3.5938		1000	.8708	1.1519	2.3072
	1950	2.2598	2.9865	5.2610		1750	2.0311	2.6859	4.7096		1450	1.5792	2.0917	3.7657		1050	.9485	1.2556	2.4697
	2000	2.3376	3.0893	5.4228		1800	2.1171	2.7992	4.8794		1500	1.6681	2.2090	3.9386		1100	1.0285	1.3622	2.6344
	2050	2.4143	3.1907	5.5835		1850	2.2028	2.9121	5.0490		1550	1.7578	2.3272	4.1121		1150	1.1107	1.4715	2.8013
	2100	2.4898	3.2905	5.7429		1900	2.2881	3.0244	5.2180		1600	1.8482	2.4463	4.2862		1200	1.1949	1.5834	2.9701
	2150	2.5638	3.3885	5.9009		1950	2.3726	3.1358	5.3865		1650	1.9391	2.5659	4.4608		1250	1.2810	1.6976	3.1407
	2200	2.6362	3.4846	6.0573		2000	2.4564	3.2463	5.5543		1700	2.0303	2.6859	4.6356		1300	1.3688	1.8140	3.3128
	2250	2.7069	3.5785	6.2120		2050	2.5392	3.3557	5.7212		1750	2.1216	2.8062	4.8106		1350	1.4583	1.9324	3.4864
	2300	2.7757	3.6700	6.3647		2100	2.6209	3.4637	5.8870		1800	2.2129	2.9264	4.9856		1400	1.5491	2.0526	3.6613
2350	2.8425	3.7591	6.5152	2150	2.7013	3.5700	6.0516	1850	2.3041	3.0464	5.1604	1450	1.6413	2.1743	3.8374				
2400	2.9071	3.8453	6.6634	2200	2.7804	3.6746	6.2148	1900	2.3950	3.1661	5.3349	1500	1.7345	2.2973	4.0144				
2450	2.9695	3.9286	6.8091	2250	2.8578	3.7773	6.3765	1950	2.4854	3.2851	5.5091	1550	1.8288	2.4216	4.1923				
2500	3.0294	4.0088	6.9520	2300	2.9334	3.8778	6.5364	2000	2.5751	3.4034	5.6826	1600	1.9238	2.5468	4.3709				
2550	3.0868	4.0857	7.0918	2350	3.0073	3.9759	6.6945	2050	2.6640	3.5207	5.8554	1650	2.0195	2.6729	4.5500				
2600	3.1414	4.1590	7.2285	2400	3.0790	4.0715	6.8505	2100	2.7520	3.6368	6.0274	1700	2.1156	2.7995	4.7296				
2650	3.1932	4.2285	7.3616	2450	3.1486	4.1644	7.0043	2150	2.8388	3.7515	6.1983	1750	2.2121	2.9265	4.9094				
2700	3.2422	4.2942	7.4909	2500	3.2159	4.2543	7.1556	2200	2.9244	3.8647	6.3680	1800	2.3087	3.0536	5.0894				
2750	3.2880	4.3557	7.6160	2550	3.2808	4.3410	7.3042	2250	3.0085	3.9761	6.5365	1850	2.4053	3.1808	5.2694				
2800	3.3307	4.4129	7.7367	2600	3.3431	4.4244	7.4500	2300	3.0910	4.0855	6.7034	1900	2.5018	3.3078	5.4492				
2850	3.3702	4.4656	7.8525	2650	3.4027	4.5043	7.5926	2350	3.1719	4.1928	6.8687	1950	2.5979	3.4344	5.6288				
2900	3.4063	4.5136	7.9630	2700	3.4594	4.5804	7.7318	2400	3.2508	4.2977	7.0321	2000	2.6936	3.5605	5.8079				
2950	3.4384	4.5566	8.0677	2750	3.5133	4.6527	7.8675	2450	3.3277	4.4001	7.1936	2050	2.7886	3.6857	5.9865				
3000	3.4680	4.5946	8.1660	2800	3.5640	4.7208	7.9991	2500	3.4025	4.4997	7.3529	2100	2.8829	3.8099	6.1644				
3050	3.4934	4.6273	8.2572	2850	3.6116	4.7846	8.1266	2550	3.4748	4.5964	7.5097	2150	2.9761	3.9330	6.3414				
3100	3.5150	4.6544	8.3403	2900	3.6559	4.8438	8.2494	2600	3.5449	4.6899	7.6641	2200	3.0682	4.0547	6.5175				
3150	3.5325	4.6759	8.4142	2950	3.6968	4.8984	8.3673	2650	3.6122	4.7801	7.8156	2250	3.1591	4.1749	6.6924				
3200	3.5456	4.6915	8.4771	3000	3.7342	4.9480	8.4797	2700	3.6769	4.8667	7.9642	2300	3.2485	4.2932	6.8660				
3250	3.5537	4.7010	8.5260	3050	3.7680	4.9926	8.5862	2750	3.7388	4.9497	8.1095	2350	3.3364	4.4096	7.0381				
3300	3.5566	4.7042	8.5530	3100	3.7981	5.0318	8.6861	2800	3.7976	5.0287	8.2513	2400	3.4225	4.5239	7.2087				
3400	50	.0029	.0033	.0274	3150	3.8244	5.0655	8.7788	2850	3.8534	5.1035	8.3894	2450	3.5067	4.6358	7.3775			
	100	.0114	.0131	.0771	3200	3.8468	5.0936	8.8632	2900	3.9060	5.1741	8.5234	2500	3.5889	4.7451	7.5444			
	150	.0249	.0292	.1409	3250	3.8649	5.1157	8.9383	2950	3.9553	5.2401	8.6531	2550	3.6689	4.8517	7.7091			
	200	.0430	.0513	.2160	3300	3.8784	5.1318	9.0022	3000	4.0012	5.3015	8.7780	2600	3.7466	4.9553	7.8716			
	250	.0654	.0794	.3005	3350	3.8869	5.1416	9.0519	3050	4.0435	5.3579	8.8979	2650	3.8218	5.0558	8.0315			
	300	.0917	.1131	.3931	3400	3.8898	5.1449	9.0792	3100	4.0822	5.4092	9.0122	2700	3.8945	5.1530	8.1888			
	350	.1218	.1523	.4931	3500	50	.0030	.0034	.0278	3150	4.1172	5.4552	9.1204	2750	3.9644	5.2466	8.3432		

内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)		
		SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形
3600	2800	4.0315	5.3365	8.4945	3700	2300	3.4059	4.5010	7.0245	3800	50	.0033	.0037	.0290	3900</				

鏡板及び胴板の標準容量表

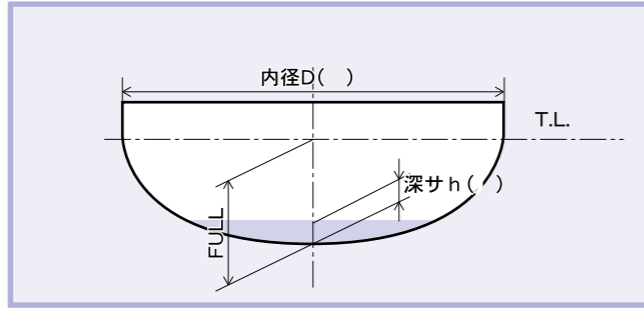
内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)			
		SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形	
4000	200	.0515	.0608	.2349	4100	3300	5.8114	7.6977	11.0894	4200	2400	4.2789	5.6549	8.0293	4300	1400	1.8975	2.5143	4.0426	
	250	.0785	.0941	.3270		3350	5.8778	7.7858	11.2392		2450	4.3997	5.8144	8.2308		1450	2.0145	2.6696	4.2415	
	300	.1104	.1343	.4282		3400	5.9390	7.8687	11.3844		2500	4.5193	5.9723	8.4314		1500	2.1336	2.8274	4.4420	
	350	.1470	.1812	.5375		3450	5.9969	7.9460	11.5247		2550	4.6374	6.1285	8.6308		1550	2.2546	2.9877	4.6439	
	400	.1880	.2346	.6540		3500	6.0508	8.0176	11.6598		2600	4.7539	6.2827	8.8289		1600	2.3773	3.1500	4.8472	
	450	.2334	.2942	.7773		3550	6.1004	8.0834	11.7891		2650	4.8687	6.4347	9.0257		1650	2.5016	3.3144	5.0518	
	500	.2831	.3600	.9066		3600	6.1458	8.1430	11.9124		2700	4.9816	6.5844	9.2209		1700	2.6274	3.4804	5.2574	
	550	.3370	.4316	1.0417		3650	6.1869	8.1964	12.0290		2750	5.0924	6.7316	9.4145		1750	2.7544	3.6481	5.4641	
	600	.3949	.5090	1.1820		3700	6.2234	8.2433	12.1382		2800	5.2011	6.8760	9.6062		1800	2.8826	3.8171	5.6715	
	650	.4567	.5918	1.3272		3750	6.2553	8.2835	12.2394		2850	5.3074	7.0174	9.7960		1850	3.0117	3.9874	5.8797	
	700	.5225	.6799	1.4770		3800	6.2824	8.3169	12.3315		2900	5.4112	7.1556	9.9837		1900	3.1416	4.1583	6.0885	
	750	.5920	.7731	1.6311		3850	6.3042	8.3431	12.4132		2950	5.5124	7.2906	10.1691		1950	3.2722	4.3303	6.2978	
	800	.6651	.8713	1.7892		3900	6.3204	8.3622	12.4827		3000	5.6108	7.4220	10.3520		2000	3.4031	4.5029	6.5074	
	850	.7417	.9742	1.9510		3950	6.3304	8.3737	12.5367		3050	5.7064	7.5497	10.5323		2050	3.5350	4.6759	6.7173	
	900	.8218	1.0815	2.1164		4000	6.3338	8.3776	12.5664		3100	5.7989	7.6735	10.7099		2100	3.6661	4.8491	6.9272	
	950	.9051	1.1932	2.2850		4100	50	.0035	.0040		.0301	3150	5.8882	7.7931		10.8844	2150	3.7970	5.0223	7.1372
	1000	.9916	1.3090	2.4568			100	.0138	.0159		.0848	3200	5.9742	7.9085		11.0558	2200	3.9286	5.1952	7.3471
	1050	1.0811	1.4287	2.6314			150	.0304	.0354		.1551	3250	6.0568	8.0192		11.2237	2250	4.0600	5.3678	7.5567
	1100	1.1736	1.5522	2.8087			200	.0529	.0623		.2379	3300	6.1358	8.1253		11.3881	2300	4.1906	5.5398	7.7660
	1150	1.2687	1.6792	2.9885			250	.0807	.0966		.3313	3350	6.2112	8.2265		11.5486	2350	4.3205	5.7108	7.9747
	1200	1.3665	1.8095	3.1707			300	.1136	.1379		.4338	3400	6.2829	8.3226		11.7050	2400	4.4496	5.8810	8.1829
	1250	1.4668	1.9430	3.3551			350	.1512	.1860		.5445	3450	6.3506	8.4134		11.8571	2450	4.5778	6.0500	8.3904
	1300	1.5695	2.0795	3.5415			400	.1935	.2409		.6627	3500	6.4143	8.4987		12.0044	2500	4.7049	6.2177	8.5970
	1350	1.6743	2.2186	3.7297			450	.2402	.3022		.7876	3550	6.4740	8.5783		12.1468	2550	4.8306	6.3838	8.8027
	1400	1.7811	2.3604	3.9197			500	.2914	.3698		.9188	3600	6.5295	8.6520		12.2838	2600	4.9549	6.5481	9.0072
	1450	1.8898	2.5044	4.1113			550	.3469	.4435		1.0558	3650	6.5806	8.7196		12.4150	2650	5.0776	6.7105	9.2105
	1500	2.0003	2.6507	4.3042			600	.4065	.5231		1.1982	3700	6.6280	8.7809		12.5399	2700	5.1986	6.8707	9.4125
	1550	2.1124	2.7989	4.4985			650	.4703	.6084		1.3455	3750	6.6697	8.8357		12.6581	2750	5.3177	7.0285	9.6130
	1600	2.2260	2.9489	4.6939			700	.5380	.6991		1.4976	3800	6.7073	8.8839		12.7688	2800	5.4348	7.1838	9.8118
	1650	2.3408	3.1004	4.8904			750	.6096	.7952		1.6540	3850	6.7401	8.9252		12.8713	2850	5.5496	7.3364	10.0089
	1700	2.4567	3.2534	5.0877			800	.6850	.8964		1.8145	3900	6.7680	8.9594		12.9646	2900	5.6621	7.4860	10.2041
	1750	2.5736	3.4075	5.2858			850	.7641	1.0025		1.9788	3950	6.7904	8.9864		13.0475	2950	5.7721	7.6323	10.3972
1800	2.6913	3.5626	5.4845	900	.8467		1.1133	2.1468	4000	6.8070	9.0059	13.1178	3000	5.8794	7.7754	10.5881				
1850	2.8096	3.7184	5.6838	950	.9327		1.2286	2.3182	4050	6.8173	9.0178	13.1725	3050	5.9840	7.9150	10.7766				
1900	2.9285	3.8749	5.8834	1000	1.0220		1.3483	2.4927	4100	6.8209	9.0218	13.2026	3100	6.0857	8.0509	10.9626				
1950	3.0476	4.0317	6.0832	4200	50		.0036	.0041	.0305	3150	6.1843	8.1828	11.1459	2150	6.1843	8.1828	11.1459			
2000	3.1669	4.1888	6.2832		100		.0142	.0162	.0858	3200	6.2797	8.3106	11.3263	2200	6.2797	8.3106	11.3263			
2050	3.2859	4.3459	6.4832		150		.0312	.0362	.1571	3250	6.3719	8.4340	11.5036	2250	6.3719	8.4340	11.5036			
2100	3.4054	4.5027	6.6830		200		.0543	.0639	.2409	3300	6.4606	8.5530	11.6776	2300	6.4606	8.5530	11.6776			
2150	3.5242	4.6592	6.8826		250		.0829	.0990	.3354	3350	6.5457	8.6673	11.8482	2350	6.5457	8.6673	11.8482			
2200	3.6426	4.8151	7.0819		300		.1167	.1414	.4393	3400	6.6272	8.7766	12.0150	2400	6.6272	8.7766	12.0150			
2250	3.7603	4.9701	7.2806		350		.1555	.1908	.5515	3450	6.7049	8.8808	12.1780	2450	6.7049	8.8808	12.1780			
2300	3.8772	5.1242	7.4787		400		.1990	.2472	.6712	3500	6.7786	8.9797	12.3367	2500	6.7786	8.9797	12.3367			
2350	3.9931	5.2772	7.6760		450		.2471	.3102	.7978	3550	6.8484	9.0732	12.4909	2550	6.8484	9.0732	12.4909			
2400	4.1079	5.4287	7.8725		500		.2997	.3796	.9308	3600	6.9140	9.1609	12.6404	2600	6.9140	9.1609	12.6404			
2450	4.2214	5.5787	8.0679		550		.3568	.4554	1.0697	3650	6.9754	9.2427	12.7847	2650	6.9754	9.2427	12.7847			
2500	4.3335	5.7269	8.2622		600		.4182	.5372	1.2141	3700	7.0325	9.3185	12.9236	2700	7.0325	9.3185	12.9236			
2550	4.4440	5.8732	8.4552		650	.4839	.6250	1.3636	3750	7.0883	9.3880	13.0566	2750	7.0883	9.3880	13.0566				
2600	4.5528	6.0173	8.6467		700	.5536	.7184	1.5178	3800	7.1333	9.4510	13.1833	2800	7.1333	9.4510	13.1833				
2650	4.6596	6.1590	8.8367		750	.6274	.8173	1.6765	3850	7.1768	9.5073	13.3030	2850	7.1768	9.5073	13.3030				
2700	4.7644	6.2981	9.0249		800	.7050	.9216	1.8394	3900	7.2155	9.5567	13.4152	2900	7.2155	9.5567	13.4152				
2750	4.8670	6.4346	9.2113		850	.7865	1.0309	2.0063	3950	7.2493	9.5991	13.5190	2950	7.2493	9.5991	13.5190				
2800	4.9673	6.5681	9.3957		900	.8717	1.1451	2.1768	4000	7.2779	9.6342	13.6136	3000	7.2779	9.6342	13.6136				
2850	5.0651	6.6984	9.5779		950	.9604	1.2641	2.3509	4050	7.3010	9.6619	13.6974	3050	7.3010	9.6619	13.6974				
2900	5.1603	6.8254	9.7577		1000	1.0525	1.3875	2.5282	4100	7.3180	9.6819	13.7687	3100	7.3180	9.6819	13.7687				
2950	5.2527	6.9489	9.9350		1050	1.1479	1.5153	2.7086	4150	7.3286	9.6940	13.8240	3150	7.3286	9.6940	13.8240				
3000	5.3423	7.0686	10.1096		1100	1.2465	1.6473	2.8919	4200	7.3322	9.6981	13.8545	3200	7.3322	9.6981	13.8545				
3050	5.4288	7.1844	10.2814		1150	1.3482	1.7831	3.0778	4300	50	.0037	.0042	.0308	4400	50	.0037	.0042	.0308		
3100	5.5121	7.2961	10.4500		1200	1.4528	1.9227	3.2664		100	.0145	.0166	.0868		100	.0145	.0166	.0868		
3150	5.5921	7.4035	10.6154		1250	1.5602	2.0658	3.4573		150	.0320	.0371	.1590		150	.0320	.0371	.1590		
3200	5.6688	7.5063	10.7772		1300	1.6701	2.2122	3.6504		200	.0557	.0655	.2438		200	.0557	.0655	.2438		
3250	5.7419	7.6045	10.9353		1350	1.7826	2.3618	3.8455		250	.0851	.1015	.3395		250	.0851	.1015	.3395		

内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)			内径D (mm)	深さh (mm)	形状 (m)		
		SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形
4300	300																		

鏡板及び胴板の標準容量表

内径D (mm)	深さh (mm)	形状 (㎡)			内径D (mm)	深さh (mm)	形状 (㎡)			内径D (mm)	深さh (mm)	形状 (㎡)			内径D (mm)	深さh (mm)	形状 (㎡)														
		SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形			SD形	ED形	円筒形												
4500	4000	8.6934	11.5192	14.9384	4600	2600	5.7576	7.6101	9.6856	4700	1100	1.4304	1.8848	3.0899	4800	4200	9.9316	13.1617	16.3607	4900	900	1.0484	1.3678	2.3763	5000	2200	5.0724	6.7159	8.3211		
	4050	8.7506	11.5943	15.0766		2650	5.9121	7.8137	9.9133		1150	1.5483	2.0428	3.2905		4250	9.9942	13.2405	16.5024		950	1.1559	1.5122	2.5680		2250	5.2564	6.9583	8.5696		
	4100	8.8029	11.6623	15.2082		2700	6.0653	8.0159	10.1402		1200	1.6698	2.2054	3.4940		4300	10.0485	13.3119	16.6372		1000	1.2679	1.6624	2.7636		2300	5.4412	7.2018	8.8186		
	4150	8.8501	11.7230	15.3325		2750	6.2174	8.2165	10.3663		1250	1.7948	2.3726	3.7003		4350	10.0982	13.3755	16.7645		1050	1.3841	1.8184	2.9629		2350	5.6267	7.4460	9.0680		
	4200	8.8921	11.7763	15.4490		2800	6.3679	8.4154	10.5913		1300	1.9232	2.5440	3.9093		4400	10.1425	13.4314	16.8837		1100	1.5045	1.9799	3.1657		2400	5.8127	7.6908	9.3176		
	4250	8.9288	11.8219	15.5567		2850	6.5168	8.6123	10.8152		1350	2.0548	2.7196	4.1207		4450	10.1811	13.4792	16.9940		1150	1.6290	2.1467	3.3717		2450	5.9997	7.9360	9.5675		
	4300	8.9598	11.8597	15.6547		2900	6.6640	8.8070	11.0379		1400	2.1895	2.8992	4.3345		4500	10.2137	13.5187	17.0942		1200	1.7573	2.3186	3.5810		2500	6.1854	8.1812	9.8175		
	4350	8.9847	11.8894	15.7417		2950	6.8094	8.9994	11.2592		1450	2.3272	3.0824	4.5506		4550	10.2398	13.5498	17.1832		1250	1.8894	2.4952	3.7931		2550	6.3707	8.4265	10.0675		
	4400	9.0031	11.9108	15.8155		3000	6.9527	9.1892	11.4791		1500	2.4676	3.2692	4.7687		4600	10.2590	13.5722	17.2586		1300	2.0252	2.6767	4.0081		2600	6.5572	8.6717	10.3174		
	4450	9.0144	11.9239	15.8728		3050	7.0937	9.3763	11.6974		1550	2.6107	3.4594	4.9887		4650	10.2709	13.5858	17.3172		1350	2.1644	2.8628	4.2257		2650	6.7435	8.9165	10.5671		
	4500	9.0183	11.9283	15.9043		3100	7.2323	9.5604	11.9139		1600	2.7564	3.6526	5.2105		4700	10.2750	13.5904	17.3495		1400	2.3070	3.0531	4.4459		2700	6.9296	9.1607	10.8164		
	4600	50	.0040	.0045		.0319	3150	7.3685	9.7414		12.1286	1650	2.9043	3.8489		5.4341	4800	50	.0042		.0047	.0326	1450	2.4528		3.2474	4.6684	2750	7.1144	9.4042	11.0654
		100	.0156	.0178		.0899	3200	7.5020	9.9191		12.3413	1700	3.0545	4.0478		5.6592	100	.0163	.0186		.0918	1500	2.6017	3.4460		4.8932	2800	7.2981	9.6466	11.3139	
		150	.0344	.0398		.1645	3250	7.6327	10.0932		12.5519	1750	3.2067	4.2494		5.8857	150	.0360	.0415		.1681	1550	2.7536	3.6481		5.1200	2850	7.4814	9.8879	11.5618	
		200	.0599	.0702		.2524	3300	7.7605	10.2636		12.7602	1800	3.3609	4.4532		6.1135	200	.0627	.0733		.2580	1600	2.9084	3.8538		5.3489	2900	7.6634	10.1278	11.8089	
		250	.0917	.1088		.3516	3350	7.8853	10.4301		12.9661	1850	3.5168	4.6593		6.3426	250	.0961	.1137		.3594	1650	3.0658	4.0628		5.5796	2950	7.8440	10.3662	12.0553	
		300	.1294	.1555		.4606	3400	8.0067	10.5924		13.1694	1900	3.6743	4.8673		6.5727	300	.1357	.1626		.4709	1700	3.2257	4.2749		5.8120	3000	8.0232	10.6027	12.3007	
		350	.1725	.2101		.5785	3450	8.1249	10.7504		13.3700	1950	3.8332	5.0771		6.8039	350	.1811	.2197		.5915	1750	3.3880	4.4900		6.0460	3050	8.2008	10.8373	12.5452	
		400	.2210	.2723		.7043	3500	8.2396	10.9039		13.5677	2000	3.9934	5.2884		7.0358	400	.2321	.2849		.7203	1800	3.5525	4.7076		6.2815	3100	8.3766	11.0698	12.7884	
		450	.2746	.3420		.8375	3550	8.3506	11.0527		13.7624	2050	4.1548	5.5011		7.2686	450	.2885	.3579		.8566	1850	3.7190	4.9279		6.5184	3150	8.5505	11.2999	13.0305	
500		.3333	.4189	.9777	3600	8.4579	11.1966	13.9538	2100	4.3171	5.7150	7.5020	500	.3502	.4385	.9999	1900	3.8874	5.1507	6.7565	3200	8.7224	11.5274	13.2712							
550		.3969	.5029	1.1237	3650	8.5613	11.3354	14.1418	2150	4.4802	5.9299	7.7359	550	.4172	.5267	1.1497	1950	4.0577	5.3756	6.9958	3250	8.8921	11.7522	13.5105							
600		.4654	.5938	1.2758	3700	8.6608	11.4689	14.3261	2200	4.6440	6.1455	7.9702	600	.4892	.6221	1.3056	2000	4.2295	5.6025	7.2362	3300	9.0593	11.9743	13.7481							
650		.5386	.6913	1.4334	3750	8.7561	11.5969	14.5067	2250	4.8082	6.3618	8.2049	650	.5663	.7245	1.4671	2050	4.4027	5.8310	7.4775	3350	9.2241	12.1930	13.9841							
700		.6165	.7954	1.5962	3800	8.8473	11.7192	14.6831	2300	4.9734	6.5784	8.4398	700	.6482	.8338	1.6339	2100	4.5773	6.0613	7.7196	3400	9.3862	12.4084	14.2183							
750		.6989	.9057	1.7638	3850	8.9314	11.8356	14.8553	2350	5.1375	6.7952	8.6747	750	.7349	.9499	1.8058	2150	4.7529	6.2928	7.9624	3450	9.5454	12.6202	14.4506							
800		.7857	1.0221	1.9359	3900	9.0172	11.9459	15.0229	2400	5.3013	7.0120	8.9097	800	.8264	1.0724	1.9827	2200	4.9296	6.5256	8.2059	3500	9.7018	12.8283	14.6808							
850		.8769	1.1444	2.1124	3950	9.0944	12.0500	15.1857	2450	5.4667	7.2286	9.1446	850	.9224	1.2011	2.1635	2250	5.1070	6.7593	8.4498	3550	9.8550	13.0324	14.9088							
900		.9722	1.2724	2.2929	4000	9.1676	12.1475	15.3433	2500	5.6310	7.4449	9.3793	900	1.0229	1.3360	2.3488	2300	5.2851	6.9939	8.6942	3600	10.0050	13.2325	15.1345							
950		1.0717	1.4059	2.4773	4050	9.2361	12.2384	15.4954	2550	5.7948	7.6605	9.6136	950	1.1278	1.4767	2.5381	2350	5.4636	7.2290	8.9389	3650	10.1515	13.4282	15.3577							
1000		1.1751	1.5447	2.6653	4100	9.2997	12.3224	15.6416	2600	5.9579	7.8754	9.8475	1000	1.2369	1.6232	2.7312	2400	5.6433	7.4644	9.1837	3700	10.2946	13.6194	15.5784							
1050		1.2824	1.6885	2.8567	4150	9.3555	12.3993	15.7816	2650	6.1202	8.0893	10.0809	1050	1.3501	1.7751	2.9279	2450	5.8216	7.7001	9.4287	3750	10.4340	13.8059	15.7963							
1100		1.3934	1.8373	3.0514	4200	9.4120	12.4690	15.9148	2700	6.2816	8.3020	10.3136	1100	1.4674	1.9324	3.1280	2500	5.9996	7.9358	9.6737	3800	10.5697	13.9875	16.0114							
1150		1.5081	1.9909	3.2491	4250	9.4605	12.5312	16.0406	2750	6.4418	8.5134	10.5456	1150	1.5886	2.0947	3.3314	2550	6.1788	8.1713	9.9186	3850	10.7014	14.1639	16.2233							
1200		1.6263	2.1489	3.4497	4300	9.5036	12.5858	16.1585	2800	6.6007	8.7232	10.7767	1200	1.7135	2.2619	3.5377	2600	6.3576	8.4064	10.1633	3900	10.8290	14.3351	16.4321							
1250		1.7477	2.3112	3.6530	4350	9.5413	12.6325	16.2675	2850	6.7582	8.9312	11.0069	1250	1.8421	2.4339	3.7470	2650	6.5363	8.6409	10.4076	3950	10.9526	14.5008	16.6375							
1300	1.8724	2.4777	3.8589	4400	9.5731	12.6711	16.3666	2900	6.9141	9.1372	11.2359	1300	1.9741	2.6104	3.9590	2700	6.7137	8.8747	10.6516	4000	11.0718	14.6608	16.8394								
1350	2.0002	2.6481	4.0672	4450	9.5986	12.7015	16.4545	2950	7.0683	9.3411	11.4638	1350	2.1095	2.7912	4.1736	2750	6.8904	9.1074	10.8950	4050	11.1866	14.8149	17.0375								
1400	2.1310	2.8222	4.2778	4500	9.6174	12.7235	16.5292	3000	7.2205	9.5426	11.6930	1400	2.2482	2.9761	4.3906	2800	7.0660	9.3390	11.1379	4100	11.2959	14.9629	17.2316								
1450	2.2645	2.9999	4.4905	4550	9.6290	12.7368	16.5872	3050	7.3707	9.7416	11.9154	1450	2.3900	3.1650	4.6099	2850	7.2406	9.5692	11.3800	4150	11.4026	15.1046	17.4216								
1500	2.4007	3.1809	4.7052	4600	9.6330	12.7413	16.6191	3100	7.5186	9.9378	12.1390	1500	2.5347	3.3576	4.8313	2900	7.4138	9.7978	11.6213	4200	11.5011	15.2399	17.6072								
1550	2.5393	3.3650	4.9217	4700	50	.0041	.0046	.0322	3150	7.6643	10.1311	12.3608	1550	2.6822	3.5537	5.0548	2950	7.5856	10.0247	11.8616	4250	11.5996	15.3684	17.7881							
1600	2.6803	3.5521	5.1400		100	.0159	.0182	.0909	3200	7.8074	10.3212	12.5808	1600	2.8324	3.7532	5.2802	3000	7.7559	10.2496	12.1009	4300	11.6907	15.4902	17.9641							
1650	2.8236	3.7419	5.3598		150	.0352	.0407	.1663	3250	7.9478	10.5080	12.7989	1650	2.9851	3.9558	5.5073	3050	7.9243	10.4723	12.3391	4350	11.7727	15.6048	18.1350							
1700	2.9689	3.9343	5.5812		200	.0613	.0718	.2552	3300	8.0854	10.6913	13.0150	1700	3.1401	4.1614	5.7361	3100	8.0908	10.6927	12.5760	4400	11.8576	15.7122	18.3003							
1750	3.1162	4.1290	5.8039		250	.0939	.1113	.3555	3350	8.2201	10.8708	13.2288	1750	3.2974	4.3697	5.9664	3150	8.2553	10.9102	12.8115	4450	11.9333	15.8121	18.4598							
1800	3.2651	4.3529	6.0278		300	.1325	.1591	.4658	3400																						

鏡板の水平における容量表



内径D (mm)	深サh (mm)	形状 (m)		内径D (mm)	深サh (mm)	形状 (m)		内径D (mm)	深サh (mm)	形状 (m)		内径D (mm)	深サh (mm)	形状 (m)	
		SD形	ED形			SD形	ED形			SD形	ED形			SD形	ED形
300	20	.0004	.0003	750	20	.0009	.0009	1000	100	.0304	.0272	1200	160	.0911	.0794
	40	.0014	.0012		40	.0037	.0035		120	.0433	.0380		180	.1124	.0977
	60	.0025	.0025		60	.0083	.0076		140	.0576	.0501		200	.1344	.1173
	FULL	.0027	.0035		80	.0145	.0129		160	.0726	.0633		220	.1569	.1379
					100	.0222	.0194		180	.0882	.0774		240	.1569	.1379
350	20	.0004	.0004	800	120	.0306	.0267	1050	200	.0922	.0922	1250	260	.1812	.1812
	40	.0017	.0015		140	.0394	.0347		220	.1075	.1075		280	.2036	.2036
	60	.0035	.0031		160	.0432	.0432		240	.1230	.1230		FULL	.0990	.1309
	80	.0049	.0049		180	.0519	.0519		FULL	.0990	.1309		20	.0016	.0015
	FULL	.0042	.0056		FULL	.0418	.0552		20	.0013	.0013		40	.0062	.0060
400	20	.0005	.0005	850	40	.0010	.0010	1100	60	.0116	.0110	1300	60	.0139	.0132
	40	.0019	.0017		60	.0040	.0038		80	.0206	.0190		80	.0246	.0230
	60	.0042	.0036		80	.0088	.0081		100	.0319	.0288		100	.0382	.0351
	80	.0059	.0059		100	.0155	.0139		120	.0547	.0493		120	.0547	.0493
	FULL	.0063	.0084		120	.0239	.0209		140	.0610	.0532		140	.0741	.0655
450	20	.0006	.0005	900	140	.0431	.0378	1150	160	.0774	.0673	1350	160	.0955	.0834
	40	.0022	.0020		160	.0472	.0472		180	.0943	.0824		180	.1182	.1028
	60	.0048	.0042		180	.0570	.0570		200	.1116	.0984		200	.1419	.1236
	80	.0079	.0069		200	.0670	.0670		220	.1151	.1151		220	.1661	.1455
	FULL	.0090	.0119		FULL	.0507	.0670		240	.1321	.1321		240	.1906	.1683
500	20	.0006	.0006	950	240	.0610	.0532	1200	260	.1494	.1494	1400	260	.1918	.1918
	40	.0024	.0022		260	.0687	.0687		280	.1661	.1455		280	.2159	.2159
	60	.0054	.0048		280	.0774	.0673		300	.1812	.1812		300	.2403	.2403
	80	.0091	.0079		300	.0864	.0774		FULL	.1146	.1515		FULL	.1933	.2557
	FULL	.0090	.0119		320	.0955	.0834		20	.0014	.0013		20	.0016	.0016
550	20	.0007	.0007	1000	320	.1046	.0922	1250	40	.0055	.0053	1450	40	.0065	.0063
	40	.0027	.0025		40	.0014	.0013		60	.0122	.0115		60	.0145	.0138
	60	.0060	.0053		60	.0042	.0040		80	.0216	.0200		80	.0256	.0240
	80	.0103	.0089		80	.0094	.0087		100	.0335	.0304		100	.0398	.0367
	FULL	.0124	.0164		100	.0166	.0149		120	.0547	.0493		120	.0570	.0516
600	20	.0007	.0007	1050	120	.0359	.0312	1300	140	.0610	.0532	1500	140	.0772	.0686
	40	.0029	.0027		140	.0468	.0408		160	.0820	.0713		160	.0998	.0874
	60	.0066	.0059		160	.0581	.0512		180	.1004	.0875		180	.1240	.1079
	80	.0114	.0099		180	.0670	.0670		200	.1192	.1047		200	.1493	.1299
	FULL	.0214	.0283		200	.0774	.0673		220	.1227	.1227		220	.1752	.1531
650	20	.0008	.0008	1100	220	.0922	.0922	1350	240	.1411	.1411	1550	240	.2016	.1773
	40	.0032	.0030		240	.1046	.0922		260	.1600	.1600		260	.2025	.2025
	60	.0071	.0064		260	.1192	.1047		280	.1773	.1773		280	.2282	.2282
	80	.0125	.0109		280	.1379	.1379		300	.2282	.2282		300	.2545	.2545
	FULL	.0272	.0359		300	.1515	.1515		FULL	.1317	.1742		320	.2810	.2810
700	20	.0009	.0008	1150	320	.1379	.1379	1400	320	.2403	.2403	1600	320	.3453	.3453
	40	.0035	.0033		40	.0014	.0014		40	.0017	.0017		40	.0085	.0083
	60	.0077	.0070		60	.0057	.0055		60	.0150	.0144		60	.0190	.0183
	80	.0135	.0119		80	.0128	.0121		80	.0266	.0250		80	.0336	.0320
	FULL	.0339	.0449		100	.0226	.0210		100	.0351	.0319		100	.0524	.0492

内径D (mm)	深サh (mm)	形状 (m)		内径D (mm)	深サh (mm)	形状 (m)		内径D (mm)	深サh (mm)	形状 (m)		内径D (mm)	深サh (mm)	形状 (m)	
		SD形	ED形			SD形	ED形			SD形	ED形			SD形	ED形
1400	40	.0070	.0068	1550	340	.0983	.0983	1750	120	.0774	.0719	1900	160	.1485	.1356
	60	.0156	.0149		360	.1365	.1236		140	.1049	.0963		180	.1873	.1690
	80	.0276	.0260		FULL	.3685	.4875		160	.1365	.1236		200	.2304	.2053
	100	.0429	.0398		20	.0020	.0020		180	.1720	.1537		220	.2774	.2443
	120	.0615	.0561		40	.0080	.0078		200	.2113	.1864		240	.3272	.2859
	140	.0833	.0747		60	.0179	.0172		220	.2534	.2215		260	.3790	.3299
	160	.1082	.0954		80	.0316	.0300		240	.2973	.2588		280	.4325	.3760
	180	.1353	.1181		100	.0492	.0461		260	.3428	.2980		300	.4872	.4241
	200	.1638	.1424		120	.0706	.0651		280	.3893	.3391		320	.5428	.4740
	220	.1933	.1683		140	.0956	.0870		300	.4367	.3817		340	.5991	.5254
	240	.2236	.1954		160	.1244	.1115		320	.4845	.4257		360	.6556	.5782
	260	.2542	.2237		180	.1567	.1384		340	.5317	.4709		380	.7137	.6321
	280	.2859	.2529		200	.1916	.1676		360	.5804	.5171		400	.7732	.6870
	300	.3186	.2827		220	.2283	.1987		380	.6304	.5640		420	.8342	.7426
	320	.3533	.3131		240	.2664	.2316		400	.6816	.6116		440	.8967	.8098
340	.3899	.3438	260	.3054	.2662	420	.7349	.6595	460	.9607	.8653				
FULL	.02716	.3592	280	.3451	.3021	FULL	.5304	.7015	FULL	.6788	.8978				
1450	20	.0018	.0018	1600	300	.3852	.3393	1800	20	.0023	.0022	1950	20	.0024	.0024
	40	.0072	.0070		320	.4375	.3775		40	.0090	.0088		40	.0097	.0095
	60	.0162	.0155		340	.4916	.4164		60	.0201	.0195		60	.0218	.0211
	80	.0286	.0270		360	.5476	.4560		80	.0357	.0340		80	.0387	.0371
	100	.0445	.0414		380	.6054	.4960		100	.0555	.0524		100	.0602	.0571
	120	.0638	.0584		FULL	.4054	.5362		120	.0796	.0742		120	.0864	.0810
	140	.0864	.0778		20	.0021	.0020		140	.1080	.0993		140	.1172	.1086
	160	.1123	.0995		40	.0082	.0080		160	.1405	.1276		160	.1525	.1397
	180	.1408	.1232		60	.0184	.0178		180	.1771	.1588		180	.1924	.1741
	200	.1709	.1487		80	.0326	.0310		200	.2177	.1927		200	.2367	.2115
	220	.2022	.1759		100	.0508	.0476		220	.2615	.2291		220	.2852	.2519
	240	.2343	.2045		120	.0728	.0674		240	.3074	.2678		240	.3368	.2950
	260	.2671	.2343		140	.0987	.0901		260	.3550	.3086		260	.3908	.3405
	280	.3001	.2652		160	.1284	.1155		280	.4038	.3514		280	.4466	.3883
	300	.3346	.2969		180	.1618	.1435		300	.4536	.3958		300	.5038	.4383
320	.3701	.3292	200	.1983	.1738	320	.5040	.4418	320	.5620	.4901				
340	.4066	.3620	220	.2368	.2063	340	.5548	.4891	340	.6210	.5435				
360	.4441	.3949	240	.2768	.2407	360	.6054	.5374	360	.6805	.5985				
FULL	.3017	.3991	260	.3180	.2768	380	.6567	.5867	380	.7412	.6548				
1500	20	.0019	.0019	280	.3600	.3144	400	.7084	.6367	400	.7927	.7121			
	40	.0075	.0073	300	.4024	.3534	420	.7604	.6872	420	.8582	.7703			
	60	.0167	.0161	320	.4464	.3935	440	.8134	.7380	440	.9147	.8292			
	80	.0296	.0280	340	.4916	.4346	460	.8674	.7886	460	.9717	.8886			
	100	.0461	.0429	360	.5384	.4764	480	.9224	.8386	480	.10327	.9482			
	120	.0660	.0606	380	.5864	.5187	500	.9784	.8906	500	.10927	.10327			
	140	.0895	.0809	400	.6354	.5613	520	.10327	.9482	520	.11527	.10927			
	160	.1163	.1035	FULL	.4446	.5880	540	.11127	.10327	540	.12127	.11527			
	180	.1461	.1283	20	.0021	.0021	560	.11927	.11127	560	.12727	.12127			
	200	.1779	.1550	40	.0085	.0083	580	.12727	.11927	580	.13327	.12727			
	220	.2110	.1835	60											

鏡板の水平における各高さの容量表

内径D (mm)	深さh (mm)	形状 (m)		内径D (mm)	深さh (mm)	形状 (m)		内径D (mm)	深さh (mm)	形状 (m)		内径D (mm)	深さh (mm)	形状 (m)		
		SD形	ED形			SD形	ED形			SD形	ED形			SD形	ED形	
2200	450	1.0179		2800	300	.7634	.6786	3300	50	.0258	.0254	3700	100	.1152	.1121	
	500	1.2043			350	1.0267	.8980		100	.1026	.0995		150	.2580	.2474	
	FULL	1.0538	1.3938		400	1.3103	1.1394		150	.2297	.2191		200	.4566	.4314	
	2300	50	.0179		.0175	450	1.6067		1.3996	200	.4063		.3812	250	.7101	.6610
		100	.0712		.0681	500	1.9108		1.6755	250	.6316		.5825	300	1.0179	.9331
		150	.1590		.1484	550			1.9640	300	.9048		.8200	350	1.3790	1.2443
200		.2806	.2555	600		2.2619	350	1.2251	1.0904	400	1.7927	1.5917				
250		.4352	.3862	650		2.5662	400	1.5861	1.3907	450	2.2499	1.9721				
300		.6160	.5372	FULL	2.1725	2.8735	450	1.9733	1.7177	500	2.7361	2.3824				
2400	350	.8113	.7055	2900	50	.0226	.0223	3400	50	.0266	.0262	3800	50	.0297	.0293	
	400	1.0148	.8880		100	.0901	.0869		100	.1058	.1026		100	.1183	.1152	
	450		1.0815		150	.2015	.1909		150	.2368	.2262		150	.2651	.2545	
	500		1.2828		200	.3560	.3309		200	.4189	.3937		200	.4691	.4440	
	550		1.4889		250	.5531	.5040		250	.6512	.6021		250	.7298	.6807	
	FULL	1.2041	1.5927		300	.7917	.7069		300	.9331	.8482		300	1.0462	.9613	
	50	.0187	.0183		350	1.0676	.9365		350	1.2636	1.1289		350	1.4715	1.2828	
	100	.0744	.0712		400	1.3672	1.1896		400	1.6387	1.4409		400	1.8431	1.6420	
	150	.1661	.1555		450	1.6817	1.4632		450	2.0439	1.7813		450	2.3167	2.0358	
	200	.2932	.2681		500	2.0058	1.7541		500	2.4693	2.1468		500	2.8230	2.4609	
	250	.4549	.4058		550	2.3348	2.0591		550	2.9085	2.5342		550	3.3521	2.9144	
300	.6466	.5655	600		2.3750	600	3.3567	2.9405	600	3.8977	3.3929					
350	.8558	.7440	650		2.6989	650	3.8096	3.3626	650	4.4546	3.8935					
400	1.0752	.9383	700		3.0274	700	4.2412	3.7971	700	5.0186	4.4129					
450	1.3000	1.1451	FULL	2.4137	3.1925	FULL	3.8898	3.4826	750	5.7917	5.1177					
500		1.3614	3000	50	.0234	.0230	3500	50	.0274	.0270	3900	50	.0305	.0301		
550		1.5839		100	.0932	.0901		100	.1089	.1058		100	.1215	.1183		
FULL	1.3681	1.8096		150	.2085	.1979		150	.2439	.2333		150	.2721	.2615		
2500	50	.0195		.0191	200	.3686		.3435	200	.4314		.4063	200	.4817	.4566	
	100	.0775		.0744	250	.5727		.5236	250	.6709		.6218	250	.7494	.7003	
	150	.1732		.1626	300	.8200		.7351	300	.9613		.8765	300	1.0744	.9896	
	200	.3058	.2806	350	1.1078	.9749	350	1.3021	1.1674	350	1.4560	1.3213				
	250	.4745	.4254	400	1.4232	1.2399	400	1.6907	1.4912	400	1.8933	1.6923				
	300	.6766	.5938	450	1.7560	1.5268	450	2.1136	1.8449	450	2.3827	2.0994				
350	.8997	.7825	500	2.1001	1.8326	500	2.5592	2.2253	500	2.9087	2.5395					
400	1.1351	.9886	550	2.4508	2.1541	550	3.0209	2.6293	550	3.4603	3.0094					
450	1.3775	1.2087	600		2.4881	600	3.4932	3.0536	600	4.0305	3.5060					
500		1.4399	650		2.8316	650	3.9719	3.4953	650	4.6139	4.0262					
550		1.6789	700		3.1814	700	4.4546	3.9511	700	5.2059	4.5668					
600		1.9227	FULL	2.6721	3.5343	FULL	5.0186	4.4129	750	5.8022	5.1247					
FULL	1.5463	2.0453	3100	50	.0242	.0238	3600	50	.0281	.0278	4000	50	.0313	.0309		
2600	50	.0203		.0199	100	.0963		.0932	100	.1121		.1089	100	.1246	.1215	
	100	.0806		.0775	150	.2156		.2050	150	.2509		.2403	150	.2792	.2686	
	150	.1802		.1696	200	.3812		.3560	200	.4440		.4189	200	.4943	.4691	
	200	.3183		.2932	250	.5923		.5432	250	.6905		.6414	250	.7690	.7199	
	250	.4941		.4451	300	.8482		.7634	300	.9896		.9048	300	1.1027	1.0179	
	300	.7060	.6220	350	1.1474	1.0134	350	1.3405	1.2058	350	1.4945	1.3598				
350	.9428	.8210	400	1.4783	1.2901	400	1.7419	1.5415	400	1.9439	1.7425					
400	1.1942	1.0388	450	1.8292	1.5904	450	2.1822	1.9085	450	2.4479	2.1630					
450	1.4545	1.2723	500	2.1937	1.9111	500	2.6482	2.3038	500	2.9934	2.6180					
500	1.7192	1.5184	550	2.5663	2.2491	550	3.1323	2.7243	550	3.5675	3.1044					
550		1.7740	600	2.9430	2.6012	600	3.6290	3.1667	600	4.1623	3.6191					
600		2.0358	650		2.9644	650	4.1335	3.6280	650	4.7722	4.1589					
FULL	1.7394	2.3007	700		3.3353	700	4.6174	4.1050	700	5.3924	4.7208					
2700	50	.0211	.0218	750		3.7110	FULL	5.0129	4.6305	FULL	5.0129	4.6305				
	100	.0838	.0806	FULL	2.9483	3.8996	3700	100	.0297	.0293	4100	50	.0321	.0317		
	150	.1873	.1767	3200	50	.0250		.0246	150	.1152		.1121	100	.1278	.1246	
	200	.3309	.3058		100	.0995		.0963	200	.2297		.2191	150	.2863	.2757	
	250	.5138	.4647		150	.2227		.2121	250	.4063		.3812	200	.5068	.4817	
	300	.7349	.6503		200	.3937		.3686	300	.6316		.5825	250	.7887	.7396	
350	.9851	.8595	250		.6120	.5629		350	.9048	.8200		300	1.1310	1.0462		
400	1.2527	1.0891	300		.8765	.7917	400	1.2251	1.0904	350	1.6484	1.5137				
450	1.5310	1.3360	350	1.1864	1.0519	450	1.5861	1.3907	400	2.1447	1.9436					
500	1.8152	1.5970	400	1.5326	1.3404	500	1.9733	1.7177	450	2.7037	2.4175					
550		1.8690	450	1.9018	1.6540	550	2.4693	2.1468	500	3.3222	2.9322					
600		2.1488	500	2.2864	1.9897	600	2.9085	2.5342	550	3.9843	3.4845					
FULL	1.9479	2.5765	550	2.6811	2.3442	650	3.3567	2.9405	600	4.6776	4.0715					
2800	50	.0219	.0215	600	3.0815	2.7143	700	4.2412	3.7971	650	5.3944	4.6899				
	100	.0869	.0838	650		3.0971	750	4.5946	4.1050	700	6.1288	5.3365				
	150	.1944	.1838	700		3.4893	800	5.0936	4.5936	750	6.8758	6.0083				
	200	.3435	.3183	750		3.8877	850	5.5988	5.0936	800	7.6312	6.7021				
	250	.5334	.4843	FULL	3.2429	4.2893	FULL	6.174	5.6122	850	8.3907	7.4147				
										900		8.1430				

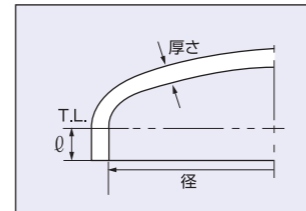
内径D (mm)	深さh (mm)	形状 (m)		内径D (mm)	深さh (mm)	形状 (m)		内径D (mm)	深さh (mm)	形状 (m)		内径D (mm)	深さh (mm)	形状 (m)		
		SD形	ED形			SD形	ED形			SD形	ED形			SD形	ED形	
4000	750	6.0185	5.3014	4400	100	.1372	.1340	4700	250	.9065	.8574	5000	150	.3499	.3393	
	800		5.8978		150	.3075	.2969		300	1.3006	1.2158		200	.6199	.5948	
	850		6.5068		200	.5445	5194		350	1.7639	1.6292		250	.9654	.9163	
	900		7.1251		250	.8476	.7985		400	2.2955	2.0944		300	1.3854	1.3006	
	950		7.7498		300	1.2158	1.1310		450	2.8946	2.6083		350	1.8796	1.7446	
	FULL	6.3338	8.3776		350	1.6484	1.5137		500	3.5604	3.1678		400	2.4463	2.2452	
	4100	50	.0321		.0317	400	2.1447		1.9436	550	4.2848		3.7696	450	3.0854	2.7992
		100	.1278		.1246	450	2.7037		2.4175	600	5.0508		4.4108	500	3.7961	3.4034
		150	.2863		.2757	500	3.3222		2.9322	650	5.8480		5.0881	550	4.5764	4.0547
		200	.5068		.4817	550	3.9843		3.4845	700	6.6690		5.7983	600	5.4126	4.7501
		250	.7887		.7396	600	4.6776		4.0715	750	7.5083		6.5384	650	6.2893	5.4863
300		1.1310	1.0462	650	5.3944	4.6899	800	8.3608	7.3053	700	7.1972	6.2601				
350		1.5330	1.3983	700	6.1288	5.3365	850	9.2223	8.0956	750	8.1230	7.0686				
400		1.9939	1.7928	750	6.8758	6.0083	900	10.0886	8.9064	800	9.0805	7.9084				
450		2.5124	2.2266	800	7.6312	6.7021	950		9.7345	850	10.0456	8.7766				
500		3.0771	2.6965	850	8.3907	7.4147	1000		10.5767	900	11.0202	9.6698				
550		3.6734	3.1995	900		8.1430	1050		11.4299	950	12.0003	10.5851				
600	4.2929	3.7322	950		8.8839	1100		12.2910	1000		11.5192					
650	4.9294	4.2917	1000		9.6342	1150		13.1567	1050		12.4690					
700	5.5780	4.8747	1050		10.3908	FULL	10.2749	13.5904	1100		13.4314					
750	6.2341	5.4782	FULL	8.4303	11.1506	4800	50	.0376	.0372	1150		14.4032				
800		6.0989	800		6.0989		100	.1497	.1466	1200		15.3812				
850		6.7337	850		6.7337		150	.3358	.3252	FULL	12.3707	16.3625				
900		7.3796	900		7.3796		200	.5948	.5697							
950		8.0333	950		8.0333		250	.9261	.8770							
1000		8.6917	1000		8.6917		300	1.3289	1.2441							
FULL	6.3208	9.0217	1050		9.0217		350	1.8024	1.6677							
4200	50	.0329	.0325	1100			9.6342	400	2.3457	2.1447						
	100	.1309	.1278	1150			10.3908	450	2.							

鏡板重量表

SDタイプ

★ステンレス鋼の場合は
次によります。

下記表の該当寸法の重量
7.85 × 8



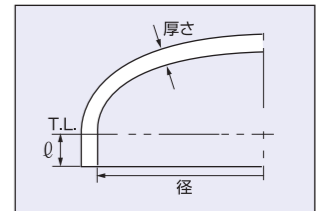
単位 (kgf)

厚さ	3.2	4.5	6	9	12	14	16	19	22	25	28	32
径 フランジ	20	20	20	27	36	38	38	38	38	38	38	38
300	2.8	3.9	5.3	8.5	12.4							
350	3.7	5.2	7.0	11.2	16.1							
400	4.7	6.6	8.9	14.2	20.2							
450	5.8	8.2	11.0	17.5	24.8							
500	7.1	10.0	13.4	21.2	29.9	35.5	40.8	49.0	57.4	65.9		
550	8.5	12.0	16.1	25.2	35.4	42.0	48.3	57.9	67.7	77.7		
600	10.0	14.1	18.9	29.6	41.5	49.1	56.4	67.6	79.0	90.5		
650	11.6	16.4	22.0	34.3	47.9	56.7	65.1	78.0	91.1	104.3		
700	13.4	18.9	25.3	39.4	54.9	64.8	74.5	89.1	104.0	119.1		
750	15.3	21.6	28.9	44.8	62.3	73.5	84.4	101.0	117.8	134.9		
800	17.3	24.4	32.7	50.6	70.1	82.8	95.0	113.6	132.5	151.6	170.9	197.1
850	19.5	27.4	36.7	56.8	78.5	92.6	106.2	127.0	148.0	169.3	190.8	219.9
900	21.7	30.6	41.0	63.2	87.3	102.9	118.1	141.1	164.4	187.9	211.8	244.0
950	24.1	34.0	45.4	70.1	96.6	113.8	130.5	155.9	181.6	207.5	233.8	269.3
1000	26.6	37.5	50.2	77.3	106.3	125.2	143.6	171.5	199.7	228.1	256.9	295.8
1050	29.2	41.2	55.1	84.8	116.5	137.1	157.3	187.8	218.6	249.7	281.2	323.6
1100	32.0	45.1	60.3	92.7	127.2	149.6	171.6	204.8	238.4	272.3	306.5	352.6
1150	34.9	49.2	65.7	100.9	138.3	162.7	186.5	222.6	259.0	295.8	332.9	382.9
1200	37.9	53.4	71.4	109.5	149.9	176.3	202.1	241.1	280.5	320.3	360.4	414.4
1250	41.0	57.8	77.3	118.4	162.0	190.4	218.3	260.4	302.9	345.7	389.0	447.2
1300	44.3	62.4	83.4	127.7	174.5	205.1	235.1	280.4	326.1	372.2	418.6	481.2
1350	47.7	67.2	89.8	137.3	187.5	220.3	252.5	301.1	350.1	399.6	449.4	516.4
1400	51.2	72.1	96.3	147.3	201.0	236.1	270.6	322.6	375.1	427.9	481.2	552.9
1450	54.8	77.2	103.2	157.6	214.9	252.4	289.2	344.8	400.8	457.3	514.2	590.7
1500	58.6	82.5	110.2	168.3	229.3	269.3	308.5	367.8	427.5	487.6	548.2	629.6
1550		88.0	117.5	179.3	244.2	286.7	328.4	391.5	454.9	518.9	583.3	669.9
1600		93.6	125.0	190.7	259.5	304.6	349.0	415.9	483.3	551.1	619.5	711.3
1650		99.4	132.8	202.5	275.3	323.1	370.1	441.0	512.5	584.4	656.8	754.0
1700		105.4	140.8	214.5	291.6	342.1	391.9	467.0	542.5	618.6	695.1	798.0
1750		111.6	149.0	227.0	308.3	361.7	414.3	493.6	573.4	653.7	734.6	843.2
1800		117.9	157.4	239.7	325.5	381.8	437.3	521.0	605.2	689.9	775.1	889.6
1850		124.4	166.1	252.9	343.2	402.5	461.0	549.1	637.8	727.0	816.8	937.3
1900		131.1	175.0	266.3	361.3	423.7	485.2	578.0	671.2	765.1	859.5	986.2
1950		137.9	184.2	280.2	379.9	445.5	510.1	607.5	705.6	804.1	903.3	1,036.4
2000		145.0	193.6	294.3	399.0	467.8	535.6	637.9	740.7	844.2	948.2	1,087.8
2100		159.6	213.1	323.8	438.5	514.0	588.5	700.8	813.7	927.2	1,041.3	1,194.4
2200			233.5	354.6	479.9	562.4	643.9	766.6	890.0	1,014.0	1,138.7	1,305.9
2300			254.8	386.8	523.1	613.0	701.7	835.4	969.7	1,104.8	1,240.4	1,422.4
2400			277.1	420.4	568.3	665.7	762.1	907.1	1,052.9	1,199.4	1,346.6	1,543.9
2500			300.3	455.4	615.3	720.7	824.9	981.8	1,139.5	1,297.9	1,457.0	1,670.3
2600			324.4	491.8	664.1	777.8	890.2	1,059.5	1,229.5	1,400.3	1,571.9	1,801.8
2700			349.5	529.5	714.8	837.0	958.0	1,140.1	1,323.0	1,506.6	1,691.0	1,938.2
2800			375.5	568.7	767.4	898.5	1,028.3	1,223.7	1,419.8	1,616.8	1,814.6	2,079.5
2900			402.4	609.3	821.9	962.1	1,101.1	1,310.2	1,520.1	1,730.8	1,942.5	2,225.9
3000			430.3	651.3	878.2	1,028.0	1,176.3	1,399.6	1,623.8	1,848.8	2,074.7	2,377.2
3100				694.7	936.4	1,095.9	1,254.1	1,492.0	1,730.9	1,970.6	2,211.3	2,533.5
3200				739.5	996.4	1,166.1	1,334.3	1,587.4	1,841.4	2,096.4	2,352.2	2,694.8
3300				785.7	1,058.3	1,238.4	1,417.0	1,685.7	1,955.4	2,226.0	2,497.5	2,861.0
3400				833.3	1,122.1	1,313.0	1,502.3	1,787.0	2,072.7	2,359.5	2,647.1	3,032.2
3500				882.3	1,187.7	1,389.7	1,590.0	1,891.2	2,193.5	2,496.8	2,801.1	3,208.4
3600				932.7	1,255.2	1,468.5	1,680.1	1,998.4	2,317.7	2,638.1	2,959.5	3,389.6
3700				984.5	1,324.6	1,549.6	1,772.8	2,108.6	2,445.4	2,783.2	3,122.2	3,575.7
3800				1,037.6	1,395.8	1,632.8	1,868.0	2,221.7	2,576.4	2,932.3	3,289.2	3,766.9
3900				1,092.2	1,468.9	1,718.2	1,965.6	2,337.7	2,710.9	3,085.2	3,460.6	3,962.9
4000				1,148.2	1,543.9	1,805.8	2,065.8	2,456.7	2,848.8	3,242.0	3,636.4	4,164.0
4100				1,205.6	1,620.7	1,895.5	2,168.4	2,578.6	2,990.1	3,402.7	3,816.5	4,370.0
4200				1,264.4	1,699.4	1,987.4	2,273.5	2,703.5	3,134.8	3,567.3	4,001.0	4,581.1
4300				1,324.6	1,780.0	2,081.5	2,381.1	2,831.4	3,283.0	3,735.7	4,189.8	4,797.0
4400				1,386.1	1,862.4	2,177.8	2,491.2	2,962.2	3,434.5	3,908.1	4,382.9	5,018.0
4500				1,449.1	1,946.7	2,276.3	2,603.7	3,096.0	3,589.5	4,084.3	4,580.4	5,243.9
4600				1,513.5	2,032.9	2,376.9	2,718.8	3,232.7	3,747.9	4,264.5	4,782.3	5,474.8
4700				1,579.3	2,120.9	2,479.7	2,836.3	3,372.4	3,909.7	4,448.5	4,988.5	5,710.7
4800				1,646.4	2,210.8	2,584.7	2,956.3	3,515.0	4,075.0	4,636.4	5,199.1	5,951.6
4900				1,715.0	2,302.5	2,691.8	3,078.9	3,660.6	4,243.7	4,828.1	5,414.0	6,197.4
5000				1,785.0	2,396.1	2,801.2	3,203.9	3,809.1	4,415.7	5,023.8	5,633.3	6,448.2

EDタイプ

★ステンレス鋼の場合は
次によります。

下記表の該当寸法の重量
7.85 × 8



単位 (kgf)

厚さ	3.2	4.5	6	9	12	14	16	19	22	25	28	32
径 フランジ	20	20	20	27	36	38	38	38	38	38	38	38
300	3.0	4.2	5.7	9.2	13.3							
350	4.0	5.6	7.5	12.0	17.2							
400	5.1	7.2	9.6	15.3	21.7							
450	6.3	8.9	12.0	18.9	26.7							
500	7.7	10.9	14.6	22.9	32.2	38.2	44.0	52.8	61.8	70.9		
550	9.2	13.0	17.4	27.3	38.2	45.3	52.1	62.5	73.0	83.8		
600	10.9	15.3	20.5	32.0	44.8	53.0	60.9	73.0	85.2	97.7		
650	12.6	17.9	23.9	37.2	51.8	61.2	70.4	84.3	98.4	112.7		
700	14.6	20.6	27.5	42.7	59.3	70.1	80.5	96.4	112.5	128.8		
750	16.6	23.5	31.4	48.7	67.4	79.6	91.4	109.3	127.5	145.9		
800	18.8	26.6	35.5	55.0	76.0	89.6	102.9	123.0	143.4	164.1	185.1	213.4
850	21.2	29.9	39.9	61.7	85.0	100.3	115.1	137.5	160.3	183.4	206.7	238.2
900	23.6	33.3	44.6	68.7	94.6	111.5	128.0	152.9	178.1	203.7	229.5	264.4
950	26.2	37.0	49.5	76.2	104.7	123.3	141.5	169.0	196.9	225.0	253.5	292.0
1000	29.0	40.9	54.6	84.0	115.3	135.8	155.8	186.0	216.6	247.5	278.7	320.9
1050	31.9	44.9	60.1	92.2	126.5	148.8	170.7	203.8	237.2	271.0	305.1	351.2
1100	34.9	49.2	65.7	100.8	138.1	162.4	186.3	222.3	258.8	295.6	332.7	382.8
1150	38.0	53.6	71.6	109.8	150.2	176.7	202.6	241.7	281.3	321.2	361.5	415.8
1200	41.3	58.2	77.8	119.2	162.9	191.5	219.5	261.9	304.7	347.9	391.5	450.2
1250		63.0	84.2	128.9	176.1	206.9	237.2	282.9	329.1	375.7	422.6	485.9
1300		68.0	90.9	139.1	189.7	222.9	255.5	304.7	354.4	404.5	455.0	523.0
1350		73.3	97.9	149.6	203.9	239.5	274.5	327.3	380.6	434.4	488.5	561.4
1400		78.6	105.1	160.5	218.6	256.7	294.2	350.8	407.8	465.3	523.3	601.3
1450		84.2	112.5	171.7	233.8	274.5	314.5	375.0	435.9	497.3	559.2	642.4
1500		90.0	120.2	183.4	249.5	292.9	335.6	400.0	465.0	530.4	596.3	684.9
1550		96.0	128.2	195.5	265.7	311.9	357.3	425.9	495.0	564.5	634.6	728.8
1600		102.1										