

1000L

肉厚 外径	1.5	2	2.5	3	4	5	6	7	8	10
12	1,848	1,903	1,958	2,002						
13	1,870	1,936	1,991	2,057						
13.8	1,903	1,947	2,013	2,068						
15	748	880	924	990	1,199					
15.4	1,936	1,991	2,046	2,101	2,222					
15.8	836	979	1,045	1,100	1,353	1,408				
16	880	990	1,045	1,100	1,397	1,661				
18	957	1,034	1,089	1,133	1,353	1,760				
19	990	1,056	1,100	1,155	1,452	1,881				
20	946	1,023	1,100	1,177	1,419	1,782				
21.8	990	1,188	1,232	1,287	1,529	1,848				
22	1,012	1,232	1,276	1,320	1,540	1,870				
24	1,078	1,243	1,309	1,364	1,584	1,892				
25	1,122	1,298	1,353	1,419	1,639	1,980	2,178	2,409		
26	1,166	1,342	1,386	1,430	1,716	2,068	2,277	2,508		
27	1,243	1,386	1,463	1,529	1,749	2,112	2,332	2,552		
27.5	1,287	1,397	1,474	1,540	1,760	2,145	2,343	2,486		
28	1,320	1,452	1,529	1,617	1,859	2,310	2,563	2,772		
30		1,507	1,540	1,562	1,914	2,255	3,003	3,685	4,213	
32		1,584	1,628	1,672	2,013	2,387	3,267	3,927	4,455	
33		1,782	1,848	1,914	2,277	2,563	3,509			
33.8	1,628	1,892	2,057	2,211	2,387	2,728	3,993			
34		1,672	1,716	1,760	2,178	2,497	3,630			
35		1,760	1,815	1,848	2,211	2,585	3,696			
36		1,848	1,892	1,936	2,255	2,673	3,839			
38		1,936	1,980	2,013	2,343	2,783	3,718	4,499	4,950	
38.8		1,980	2,035	2,079	2,332	2,805	3,773	4,983	5,742	
39		2,178	2,244	2,299	2,673	3,113	4,059			
40		2,013	2,090	2,167	2,585	3,036	3,960	5,049	6,336	8,250
42		2,233	2,343	2,453	2,882	3,333	4,279			
43		2,277		2,508	2,959	3,454	4,323			
44		2,321		2,519	3,003	3,498	4,389			
44.8		2,607	2,717	2,827	3,344	3,894	5,082			
45		2,178	2,233	2,277	2,739	3,366	4,334	5,280	6,435	8,668
48		2,332	2,376	2,431	2,937	3,597	4,620	5,610	6,688	9,075
49		2,585		2,805	3,333	3,883	5,148			
50		2,409	2,475	2,541	3,036	3,696	4,785	5,775	6,853	9,493
52		2,739		2,904	3,465	4,081	5,379	6,072	7,106	9,757
52.5		2,629	2,662	2,695	3,256	3,905	5,324	6,072	7,095	9,735
53		2,816		3,047	3,641	4,257	5,412	6,358	7,260	9,702
54		2,970		3,190	3,751	4,488	5,566	6,435	7,480	9,801
55		2,607	2,750	2,882	3,509	4,202	5,423	6,215	7,425	9,669
56		3,080		3,388	3,960	4,686	5,984	6,996	8,239	10,263
57.5		2,827	2,904	2,992	3,630	4,279	5,863	6,732	8,008	9,735
58		3,102		3,465	4,015	4,730	6,204	7,106	8,371	10,318
60		2,860	3,014	3,168	3,839	4,554	5,984	6,798	8,085	9,900
64		3,531		3,883	4,631	5,203	6,919	7,744	9,119	10,659
65		3,179	3,300	3,432	4,191	4,950	6,633	7,414	9,075	10,725
66		3,465		3,795	4,521	5,280	6,930	7,920	9,405	10,989
70		3,333	3,531	3,729	4,554	5,357	7,073	8,085	9,493	11,143
72		3,740		4,224	5,148	5,984	7,656	8,580	10,164	11,748
74		3,872		4,356	5,258	6,127	7,964	8,778	10,384	12,045
75		3,586	3,795	4,015	4,928	5,753	7,491	8,624	10,296	11,968
76		4,081		4,158	5,577	6,479	8,239	9,471	11,418	13,596
77		3,795	3,927	4,059	4,961	5,819	8,173	9,405	10,890	13,035
80		3,828	4,048	4,268	5,203	6,149	8,250	9,339	11,055	13,288
84				5,148	6,182	7,337	9,207	10,439	12,485	14,663
85		4,048	4,301	4,554	5,456	6,633	8,580	9,823	11,715	13,948
86		4,092	4,334	4,576	5,555	6,732	9,075	10,560	12,463	14,850
88				5,357	6,369	7,623	9,471	11,022	12,980	15,224
89		5,082		5,203	6,182	7,359	9,537	11,055	13,211	15,378
90		4,213	4,521	4,829	5,852	7,095	9,306	10,923	12,870	15,015
95		4,554	4,840	5,115	6,182	7,502	9,812	11,473	13,365	15,675

肉厚 外径	2	3	4	5	6	7	8	10	12	13	15	18	20
100	4,686	5,247	6,413	7,711	10,043	11,869	13,893	16,467	19,987		25,410		
105		6,314	7,590	9,020	11,385	13,068	15,675	18,359	22,143				
110		6,039	7,117	8,481	11,242	13,013	15,180	17,996	21,681	24,090	26,983		
114		6,754	8,019	9,493	12,650	14,344	17,072	20,669	25,300		31,625		
115		6,347	7,568	8,921	11,715	13,651	16,225	19,679	23,408	25,696	28,754		
120		6,644	7,810	9,317	12,430	14,256	16,863	19,998	24,255	26,499	29,832		
125		7,194	8,118	9,658	13,035	15,015	17,831	21,285	25,663	27,709	31,207		
130		7,788	8,481	9,999	13,651	15,840	18,975	22,704	26,818	29,315	32,659	41,756	47,586
133		8,624	9,724	11,385	14,641	17,050	20,031	24,035	28,732		35,035		50,468
140		8,448	9,152	10,857	14,586	17,050	20,559	24,607	29,073	31,317	35,475	44,968	50,864
145		9,581	10,417	12,375	15,741	18,359	21,945	25,938	31,207		38,159		55,000
150		9,042	9,757	11,715	15,488	17,853	21,659	25,773	30,657	33,726	37,477	48,983	55,495
160		10,549	11,385	13,497	17,490	20,031	23,199	28,468	33,990	38,148	41,514	51,799	60,632
165		10,505	11,385	13,783	17,072	21,087	24,244	28,468	35,750	38,951	42,878	52,602	63,041
170		11,176	12,859	15,180	18,348	22,968	26,356	30,580	36,817	40,953	45,991	55,814	67,452
172		11,957	13,068	15,202	19,272	23,694	26,906	31,724	38,148	42,966	46,981	58,619	69,465
180		12,078	13,497	15,323	19,602	23,199	27,412	33,726	39,215	44,165	48,191	60,225	71,467
186		12,430	13,761	15,543	20,405	24,090	28,512	34,133	40,150	46,574	49,786	64,240	74,679
190		12,925	14,300	16,181	20,680	24,420	29,502	35,035	41,569	48,180	51,095	65,846	77,891
200		13,178	14,971	16,511	21,901	25,927	31,119	36,674	43,846	49,786	54,021	67,859	79,497
208		15,598	17,281	20,031	25,509	29,931	35,420	42,581	48,763		61,006		87,208
210		15,862	17,391	20,460	25,883	30,338	35,904	42,966	50,292	59,422	62,909	80,300	92,213
216		16,445	18,348	22,143	27,412	32,252	37,741	45,540	51,986		64,988		92,906
225		16,467	18,073	21,978	26,587	31,317	37,345	45,133	55,407	65,043	68,420	89,936	100,375
230		16,863	18,590	23,375	26,642	32,065	37,356	45,177	55,594	65,450	68,519	90,343	102,190
250		19,393	20,372	24,244	29,029	33,935	39,765	49,258	58,608	66,649	72,303	92,345	107,371
257		20,350	21,087	26,565	32,043	37,741	44,275	53,757	60,885		76,098		108,856
267		21,087	22,143	27,830	33,726	40,480	46,794	56,925	64,548		80,685		115,368
268			22,143	27,830	33,726	40,480	46,794	56,925	66,649	78,298	80,685	105,996	116,435
290		22,352	23,474	28,468	33,770	40,667	46,310	57,475	70,829	81,906	87,560	110,814	126,599
300		22,979	23,694	29,095	34,980	42,097	47,971	59,554	73,414	85,118	90,816	118,844	134,288
320			24,090	31,229	37,356	44,979	51,271	63,657	79,684	94,754	99,077	126,071	145,629
330			26,774	32,208	40,062	48,488	52,888	65,736	81,829	97,966	101,332	128,480	149,600
350			28,292	35,453	43,868	51,898	59,488	70,433	87,131	103,587	106,403	138,116	161,403
355			28,578	35,838	44,693	52,283	60,115	70,851	87,406	104,390	108,295	139,722	163,614
370			31,207	39,006	46,794	56,287	64,515	81,169	92,499		115,643		169,587
400			31,625	39,006	46,332	56,925	64,372	80,091	98,901	118,041	122,705	153,373	179,311
406			34,133	42,559	51,271	61,677	70,103	87,527	106,645	125,433	132,264	167,024	192,720
420			37,708	47,278	55,055	68,222	75,801	93,742	106,799		132,495		193,523
450			39,116	50,094	59,345	72,358	82,049	100,859	111,034	130,086	138,809	172,645	203,324
470			41,756	50,589	60,291	72,512	82,632	102,245	114,092		148,566		213,004
500			39,765	48,488	59,653	70,994	81,136	100,683	124,707	146,146	154,770	196,735	223,509
510			51,656	63,239	75,471	86,427	109,615	126,478	133,782		167,354		239,294
560			69,938	77,209	97,460	113,916	140,437	159,654	190,289	211,189	236,566	281,050	317,548
600				87,076	120,439	139,744	161,260	199,672	238,656	264,000	296,648	343,200	387,772
700				120,076	166,188	193,182	221,155	275,506	329,560	370,832	410,311	482,944	549,351
800				122,518	169,576	197,120	225,676	248,127	336,292	378,400	418,693	492,800	560,560
1000				153,274	212,036	246,620	282,403	352,440	421,542	475,200	525,481	624,800	704,880
1200								567,303	701,624		881,122		1,178,243

肉厚 外径	1.5mm	2mm	2.5mm	3mm	4mm	5mm	6mm	7mm	8mm	10mm
15.4	4.444	4.576	4.576	4.708	4.818					
16	1.892	2.123	2.244	2.354	2.354					
18	2.046	2.222	2.332	2.420	2.904					
19	2.123	2.255	2.376	2.486	3.113					
20	2.156	2.332	2.519	2.684	3.256					
22	2.310	2.816	2.915	3.014	3.520					
25	2.574	2.981	3.113	3.245	3.751	4.532				
26	2.673	3.069	3.179	3.278	3.938	4.741				
27	2.849	3.179	3.355	3.509	4.015	4.840				
28	3.036	3.311	3.509	3.696	4.268	5.302				
30		3.344	3.432	3.476	4.268	5.027				
32			3.630	3.718	4.488	5.324				
34			3.828	3.916	4.840	5.555				
35		3.894	4.037	4.125	4.917	5.764				
36			4.224	4.312	5.027	5.940				
38			4.400	4.488	5.236	6.204				
38.8			4.532	4.620	5.192	6.248				
40		4.356	4.664	4.829	5.764	6.754				
45		4.675	4.972	5.082	6.116	7.513				
48			5.302	5.412	6.534	8.019				
50		5.159	5.412	5.555	6.622	8.063	10.472			
52		5.181		5.665	6.809	8.228	10.791			
52.5		5.181	5.808	5.885	7.117	8.536	11.638			
53		5.445		5.885	7.117	8.085	10.890			
54		5.115	5.445	5.885	7.117	8.283				
55		5.445	5.995	6.292	7.667	9.185	11.858			
57.5		5.885	6.358	6.534	7.942	9.350	12.815			
60		5.940	6.589	6.930	8.393	9.944	13.079			
65		6.545	7.216	7.491	9.152	10.813	14.487			
66		6.545	7.216	7.722	9.460	11.704	15.466	17.688	20.757	
70		7.370	7.590	8.140	9.944	11.704	15.466	17.688	20.757	
75		7.425	8.063	8.558	10.516	12.276	15.972	18.392	21.967	
76		8.008	8.481	8.976	10.890	12.727	16.808			
77		8.008	8.481	8.668	10.582	12.408	17.424	20.064	23.232	
80		8.393	8.613	9.108	11.088	13.112	17.600	19.932	23.584	
85		8.646	9.350	9.702	11.638	14.135	18.304	20.944	24.992	
86		9.075	9.372	9.757	11.847	14.344	19.360	22.528	26.576	
89		9.592	10.010	10.395	12.595	15.246				
90		9.438	9.911	10.296	12.485	15.125	19.855	23.287	27.456	
95		9.988	11.110	10.912	13.189	16.005	20.933	24.464	28.512	

2000L

肉厚 外径	2mm	2.5mm	3mm	4mm	5mm	6mm	7mm	8mm	10mm	12mm	15mm	20mm
100	10.912	11.561	12.221	14.927	17.941	23.375	27.621	32.351	38.335	46.552	59.169	
110			14.047	16.555	19.734	26.169	30.294	35.343	41.888	50.490	62.832	
114			15.708	18.667	22.110	29.458	33.385	39.765	48.125			
115			14.773	17.622	20.757	27.269	31.779	37.774	45.815			
120			15.466	18.183	21.692	28.930	33.198	39.270	46.563	56.474	69.476	
125			16.742	18.909	22.484	30.360	34.958	41.514	49.555	59.752	72.655	
130			18.128	19.734	23.265	31.779	36.883	44.198	52.866	62.447	76.043	110.803
140			19.679	21.307	25.289	33.968	39.688	47.872	57.299	67.694	82.599	118.448
150			22.297	22.726	27.269	36.058	41.580	50.424	60.016	71.379	87.274	129.239
160			21.065	26.499	31.416	40.733	46.640	54.010	66.275	79.145	96.668	141.185
165			24.563	26.499	32.098	34.716	40.029	56.463	66.275	83.259	99.847	146.795
170			24.464	29.942	35.343	42.713	53.471	61.380	71.192	85.723	107.096	157.080
180			26.015	30.426	35.387	45.650	54.010	63.833	78.540	91.322	112.222	166.430
190			27.830	31.416	35.662	48.158	56.848	68.695	81.598	96.800	118.998	181.390
200			28.116	32.043	36.190	50.996	60.368	72.468	85.404	102.102	125.796	185.130
210			36.938	40.491	47.652	60.280	70.631	83.589	100.045	117.128	146.487	214.742
216			38.302	42.713	51.557	63.833	75.108	87.879	106.029	121.066	151.327	216.348
230			39.270	43.296	54.439	62.029	74.657	86.977	105.193	129.470	159.555	237.963
250			45.166	47.432	56.463	67.606	79.035	92.587	114.697	136.477	168.366	250.712
267			49.093	51.557	64.801	78.540	94.248	108.966	132.550	150.315	187.880	268.653
300			53.504	55.165	67.760	81.444	98.032	111.705	138.688	170.962	211.860	312.730
320			56.100	72.710	86.977	104.742	119.383	148.236	185.570	230.725	339.130	
330			62.348	75.009	93.280	112.915	123.167	153.065	190.553	235.983	348.381	
350			65.890	82.566	102.168	120.868	138.534	163.999	202.895	247.775	375.870	
400			73.645	90.827	109.175	132.550	149.908	186.505				
450			91.091	116.655	138.193	168.487	191.059	234.872				
500			92.587	112.915	138.908	165.330	188.936	234.465				
600				185.042	255.937	296.956	342.661	424.303				
700				255.145	353.133	410.509	469.953	585.442				
1000								679.140	813.340	1,028.720	1,364.660	
1200								1,169.707	1,430.462	1,819.983	2,464.737	