



サイズ一覧

外径 (mm)	内径 (mm)	肉厚 (mm)	仕上	外径 (mm)	内径 (mm)	肉厚 (mm)	仕上	外径 (mm)	内径 (mm)	肉厚 (mm)	仕上	外径 (mm)	内径 (mm)	肉厚 (mm)	仕上			
2	1.0	0.5	C	10	8.4	0.8	C	13.8	7.8	3.0	C	19	17.4	0.8	C			
2.5	1.5	0.5	C		8.0	1.0	C		14	13.0	0.5		C	17.0	1.0	C		
3	2.0	0.5	C		7.6	1.2	C		12.4	0.8	C		16.6	1.2	C			
	1.0	1.0	C		7.0	1.5	C			12.0	1.0		C	16.0	1.5	C		
3.5	2.5	0.5	C		6.0	2.0	C		10.9	1.5	C		15.0	2.0	C			
	4	3.0	0.5		C	5.0	2.5		C	10.0	2.0		C	14.0	2.5	C		
4		2.0	1.0		C	4.0	3.0		C	9.0	2.5		C	13.0	3.0	C		
	5	4.0	0.5		C	10.5	8.5		1.0	C	8.0		3.0	C	11.0	4.0	C	
3.0		1.0	C		8.1		1.2		C	15	14.0		0.5	C	20	19.0	0.5	C
2.0		1.5	C		7.5		1.5		C		13.4		0.8	C	18.4	0.8	C	
6	5.0	0.5	C	7.1	1.7	C	13.0	1.0	C		18.0	1.0	C					
	4.4	0.8	C	6.5	2.0	C	12.6	1.2	C	17.0	1.5	C						
	4.0	1.0	C	5.7	2.4	C	12.0	1.5	C	16.0	2.0	C						
	3.6	1.2	C	11	10.0	0.5	C	11.0	2.0	C	15.0	2.5	C					
3.0	1.5	C	9.4		0.8	C	10.0	2.5	C	14.0	3.0	C						
2.0	2.0	C	9.0		1.0	C	9.0	3.0	C	12.0	4.0	C						
6.35	5.4	0.5	C		8.0	1.5	C	7.0	4.0	C	10.0	5.0	C					
	4.6	0.889	C	7.0	2.0	C	15.9	14.1	0.89	C	21.7	19.3	1.2	C				
	4.4	1.0	C	5.0	3.0	C		16	15.0	0.5	C	18.4	1.65	C				
	4.0	1.2	C	12	11.0	0.5		C	14.4	0.8	C	17.5	2.1	C				
3.4	1.5	C	10.4		0.8	C		14.0	1.0	C	16.7	2.5	C					
7	6.0	0.5	C		10.0	1.0	C	13.6	1.2	C	16.1	2.8	C					
	5.4	0.8	C		9.6	1.2	C	13.0	1.5	C	14.3	3.7	C					
	5.0	1.0	C	9.0	1.5	C	12.0	2.0	C	12.3	4.7	C						
	4.0	1.5	C	8.0	2.0	C	11.0	2.5	C	6.7	7.5	C						
	3.0	2.0	C	7.0	2.5	C	10.0	3.0	C	22	21.0	0.5	C					
8	7.0	0.5	C	6.0	3.0	C	8.0	4.0	C		20.4	0.8	C					
	6.4	0.8	C	12.7	11.7	0.5	C	17	16.0		0.5	C	20.0	1.0	C			
	6.0	1.0	C		10.9	0.89	C		15.4		0.8	C	19.0	1.5	C			
	5.6	1.2	C		10.7	1.0	C		15.0	1.0	C	18.0	2.0	C				
	5.0	1.5	C		10.3	1.2	C		14.0	1.5	C	17.0	2.5	C				
4.0	2.0	C	9.7		1.5	C	17.3		15.3	1.0	C	16.0	3.0	C				
3.0	2.5	C	9.4	1.65	C	14.9		1.2	C	14.0	4.0	C						
9	8.0	0.5	C	8.7	2.0	C		14.0	1.65	C	13.0	4.5	C					
	7.4	0.8	C	6.7	3.0	C		13.3	2.0	C	23	21.0	1.0	C				
	7.0	1.0	C	13	12.0	0.5	C	12.7	2.3	C		20.0	1.5	C				
	6.6	1.2	C		11.4	0.8	C	10.9	3.2	C		19.0	2.0	C				
	6.0	1.5	C		11.0	1.0	C	9.3	4.0	C		17.0	3.0	C				
5.0	2.0	C	10.6		1.2	C	18	17.0	0.5	C	24	22.0	1.0	C				
4.0	2.5	C	10.0		1.5	C		16.4	0.8	C		20.0	2.0	C				
3.0	3.0	C	9.0	2.0	C	16.0		1.0	C	16.0		4.0	C					
9.53	8.5	0.5	C	8.0	2.5	C		15.6	1.2	C		25	24.0	0.5	C			
	7.8	0.889	C	7.0	3.0	C	15.0	1.5	C	23.0	1.0		C					
	7.5	1.0	C	13.8	11.8	1.0	C	14.0	2.0	C	22.0		1.5	C				
	7.1	1.2	C		11.4	1.2	C	13.0	2.5	C	21.0		2.0	C				
	6.5	1.5	C		10.5	1.65	C	12.0	3.0	C	20.0		2.5	C				
5.5	2.0	C	9.8		2.0	C	10.0	4.0	C	19.0	3.0	C						
10	9.0	0.5	C		9.4	2.2	C	19	18.0	0.5	C	17.0	4.0	C				

表中の数値は標準サイズです。ホーニング対応サイズもご相談ください。



サイズ一覧

外径 (mm)	内径 (mm)	肉厚 (mm)	仕上	外径 (mm)	内径 (mm)	肉厚 (mm)	仕上	外径 (mm)	内径 (mm)	肉厚 (mm)	仕上	外径 (mm)	内径 (mm)	肉厚 (mm)	仕上	
25	15.0	5.0	C	32	16.0	8.0	C	42.7	39.4	1.65	C	50.8	36.8	7.0	H	
	14.0	5.5	C	34	32.0	1.0	C		38.7	2.0	C		34.8	8.0	H	
	13.0	6.0	C		31.6	1.2	C		37.1	2.8	H		30.8	10.0	H	
25.4	23.0	1.2	C		30.7	1.65	C		36.7	3.0	H	52	40.0	6.0	H	
	22.4	1.5	C		30.0	2.0	C		35.5	3.6	H		37.0	7.5	H	
	21.4	2.0	C		28.4	2.8	H		34.7	4.0	H		32.0	10.0	H	
	20.4	2.5	C		28.0	3.0	H		33.7	4.5	H		24.0	14.0	H	
	19.4	3.0	C		27.2	3.4	H		32.9	4.9	H		54	50.0	2.0	C
	18.4	3.5	C		26.0	4.0	H		30.7	6.0	H	48.0		3.0	H	
	17.4	4.0	C		25.0	4.5	H		29.9	6.4	H	47.0		3.5	H	
	16.4	4.5	C		24.0	5.0	H	28.7	7.0	H	46.0	4.0		H		
	27.2	24.8	1.2	C	21.2	6.4	H	26.7	8.0	H	44.0	5.0		H		
23.9		1.65	C	15.8	9.1	C	23.7	9.5	H	42.0	6.0	H				
23.0		2.1	C	35	25.0	5.0	H	45	41.0	2.0	C	36.0	9.0	H		
22.2		2.5	C		36	30.0	3.0		H	39.0	3.0	H	24.0	15.0	H	
21.4		2.9	C	28.0		4.0	H		37.0	4.0	H	55	51.0	2.0	C	
19.4		3.9	C	26.0		5.0	H		35.0	5.0	H		45.0	5.0	H	
18.2		4.5	C	25.0		5.5	H		34.0	5.5	H		44.0	5.5	H	
16.2		5.5	C	23.0		6.5	H		32.0	6.5	H		39.0	8.0	H	
11.6		7.8	C	20.0		8.0	H		31.0	7.0	H		56	50.0	3.0	H
28	26.0	1.0	C	18.0		9.0	H		29.0	8.0	H	40.0		8.0	H	
	25.0	1.5	C	38		36.0	1.0		C	25.0	10.0	H		36.0	10.0	H
	24.0	2.0	C			35.6	1.2		C	22.0	11.5	H		28.0	14.0	H
	22.0	3.0	C			35.0	1.5	C	20.0	12.5	H	57		53.0	2.0	C
	20.0	4.0	C		34.0	2.0	C	48.6	45.3	1.65	C		51.0	3.0	H	
	18.0	5.0	C		32.0	3.0	H		44.6	2.0	C		49.0	4.0	H	
	15.0	6.5	C		31.0	3.5	H		43.0	2.8	H		45.0	6.0	H	
	13.0	7.5	C		30.0	4.0	H		42.6	3.0	H		42.0	7.5	H	
	30	28.0	1.0		C	29.0	4.5		H	41.6	3.5	H	60	46.0	7.0	H
27.0		1.5	C		28.0	5.0	H		41.2	3.7	H	35.0		12.5	H	
26.0		2.0	C		27.0	5.5	H		40.6	4.0	H	30.0		15.0	H	
25.0		2.5	C	26.0	6.0	H	38.4		5.1	H	25.0	17.5		H		
24.0		3.0	C	24.0	7.0	H	36.6		6.0	H	60.5	57.2		1.65	C	
23.0		3.5	C	22.0	8.0	H	34.4		7.1	H		56.5	2.0	C		
22.0		4.0	C	20.0	9.0	H	32.6	8.0	H	54.9		2.8	H			
20.0		5.0	C	40	38.0	1.0	C	28.2	10.2	H		54.5	3.0	H		
18.0		6.0	C		37.0	1.5	C	50	38.0	6.0		H	53.5	3.5	H	
14.0	8.0	C	36.0		2.0	C	36.0		7.0	H		52.7	3.9	H		
32	30.0	1.0	C		34.0	3.0	H		32.0	9.0		H	50.7	4.9	H	
	29.6	1.2	C		33.0	3.5	H		25.0	12.5		H	49.5	5.5	H	
	29.0	1.5	C		32.0	4.0	H		22.0	14.0		H	48.5	6.0	H	
	28.0	2.0	C		30.0	5.0	H		50.8	47.8		1.5	C	43.1	8.7	H
	26.0	3.0	C		28.0	6.0	H			46.8	2.0	C	40.5	10.0	H	
	25.0	3.5	C		26.0	7.0	H			44.8	3.0	H	38.3	11.1	H	
	24.0	4.0	C		24.0	8.0	H			42.8	4.0	H	35.5	12.5	H	
	22.0	5.0	C	22.0	9.0	H	40.8			5.0	H	63	47.0	8.0	H	
	20.0	6.0	C	20.0	10.0	H	39.8	5.5		H	40.0		11.5	H		
18.0	7.0	C	42	22.0	10.0	H	38.8	6.0		H	33.0		15.0	H		

表中の数値は標準サイズです。ホーニング対応サイズもご相談ください。

サイズ一覧

外径 (mm)	内径 (mm)	肉厚 (mm)	仕上	外径 (mm)	内径 (mm)	肉厚 (mm)	仕上	外径 (mm)	内径 (mm)	肉厚 (mm)	仕上	外径 (mm)	内径 (mm)	肉厚 (mm)	仕上			
63	32.0	15.5	H	76.3	56.3	10.0	H	95	75.0	10.0	H	114.3	64.3	25.0	H			
63.5	59.5	2.0	C		49.3	13.5	H		70.0	12.5	H		118	90.0	14.0	H		
	57.5	3.0	H		46.3	15.0	H		66.0	14.5	H			120	112.0	4.0	H	
	55.5	4.0	H		40.3	18.0	H		63.0	16.0	H				110.0	5.0	H	
	53.5	5.0	H		36.3	20.0	H		55.0	20.0	H				104.0	8.0	H	
	50.5	6.5	H		30.3	23.0	H		50.0	22.5	H				100.0	10.0	H	
	43.5	10.0	H		80	74.0	3.0		H	45.0	25.0				H	94.0	13.0	H
65	61.0	2.0	C	72.0		4.0	H	35.0	30.0	H	90.0				15.0	H		
	59.0	3.0	H	70.0		5.0	H	100	80.0	10.0	H			80.0	20.0	H		
	58.0	3.5	H	68.0		6.0	H		71.0	14.5	H			70.0	25.0	H		
	57.0	4.0	H	63.0		8.5	H		65.0	17.5	H	60.0		30.0	H			
	55.0	5.0	H	60.0		10.0	H		60.0	20.0	H	40.0	40.0	H				
	53.0	6.0	H	55.0		12.5	H		56.0	22.0	H	125	115.0	5.0	H			
	49.0	8.0	H	50.0		15.0	H		50.0	25.0	H		105.0	10.0	H			
	48.0	8.5	H	45.0		17.5	H		40.0	30.0	H		100.0	12.5	H			
	45.0	10.0	H	40.0		20.0	H		101.6	97.4	2.1		C	90.0	17.5	H		
	41.0	12.0	H	30.0	25.0	H	95.6			3.0	H		80.0	22.5	H			
35.0	15.0	H	81	69.0	6.0	H	93.6			4.0	H		71.0	27.0	H			
29.0	18.0	H		82.6	76.6	3.0	H	90.2		5.7	H		127	117.0	5.0	H		
25.0	20.0	H	83		72.6	5.0	H	87.6		7.0	H			115.0	6.0	H		
68	56.0	6.0		H	85	66.0	8.5	H		85.4	8.1			H	111.0	8.0	H	
	52.0	8.0	H	63.0		10.0	H	76.2		12.7	H			107.0	10.0	H		
70	64.0	3.0	H	85	69.0	8.0	H	71.6		15.0	H	105.0		12.5	H			
	62.0	4.0	H		68.0	8.5	H	61.6		20.0	H	90.0		20.0	H			
	60.0	5.0	H		65.0	10.0	H	49.6		26.0	H	70.0		30.0	H			
	57.0	6.5	H		60.0	12.5	H	105	87.0	9.0	H	50.0		40.0	H			
	54.0	8.0	H		55.0	15.0	H		106	86.0	10.0	H		132	112.0	10.0	H	
	50.0	10.0	H		45.0	20.0	H			80.0	13.0	H			106.0	13.0	H	
	45.0	12.5	H		35.0	25.0	H			71.0	17.5	H	100.0		16.0	H		
	40.0	15.0	H		30.0	27.5	H			56.0	25.0	H	90.0		21.0	H		
	30.0	20.0	H		89.1	84.9	2.1			C	110	90.0	10.0		H	80.0	26.0	H
	71	45.0	13.0			H	83.1			3.0		H	84.0		13.0	H	71.0	30.5
41.0		15.0	H	81.1		4.0	H			70.0		20.0	H		139.8	134.2	2.8	C
36.0		17.5	H	79.1		5.0	H			50.0		30.0	H			133.0	3.4	C
73	63.0	5.0	H	78.1		5.5	H			40.0		35.0	H			129.8	5.0	H
	59.0	7.0	H	77.1		6.0	H	112		80.0		16.0	H			126.6	6.6	H
	53.0	10.0	H	75.9		6.6	H		63.0	24.5		H	120.8	9.5		H		
	48.0	12.5	H	73.9		7.6	H		114.3	110.1		2.1	C	114.4		12.7	H	
	43.0	15.0	H	66.9		11.1	H			108.3		3.0	H	108.0		15.9	H	
76.3	72.1	2.1	C	58.7		15.2	H			106.3		4.0	H	97.8		21.0	H	
	70.3	3.0	H	90	70.0	10.0	H			104.3	5.0	H	89.8	25.0		H		
	69.3	3.5	H		63.0	13.5	H			102.3	6.0	H	140	112.0		14.0	H	
	68.3	4.0	H		58.0	16.0	H			100.1	7.1	H		100.0	20.0	H		
	65.9	5.2	H		50.0	20.0	H			97.1	8.6	H		80.0	30.0	H		
	64.3	6.0	H		45.0	22.5	H			92.1	11.1	H		60.0	40.0	H		
	62.3	7.0	H		40.0	25.0	H	87.3		13.5	H	145		125.0	10.0	H		
	60.3	8.0	H		35.0	27.5	H	80.1		17.1	H			119.0	13.0	H		
	95	80.0	7.5		H	95	80.0	7.5	H	74.3	20.0			H	105.0	20.0	H	

表中の数値は標準サイズです。ホーニング対応サイズもご相談ください。



サイズ一覧

外径 (mm)	内径 (mm)	肉厚 (mm)	仕上
145	95.0	25.0	H
150	130.0	10.0	H
	125.0	12.5	H
	120.0	15.0	H
	106.0	22.0	H
	90.0	30.0	H
	80.0	35.0	H
	152.4	132.4	10.0
155	135.0	10.0	H
	125.0	15.0	H
	115.0	20.0	H
	103.0	26.0	H
160	150.0	5.0	H
	140.0	10.0	H
	130.0	15.0	H
	120.0	20.0	H
	112.0	24.0	H
	102.0	29.0	H
	80.0	40.0	H
	60.0	50.0	H
165.2	159.6	2.8	C
	158.4	3.4	C
	155.2	5.0	H
	151.0	7.1	H
	146.6	9.3	H
	143.2	11.0	H
	136.6	14.3	H
	128.8	18.2	H
	121.4	21.9	H
	117.2	24.0	H
	111.2	27.0	H
	105.2	30.0	H
	170	150.0	10.0
140.0		15.0	H
130.0		20.0	H
120.0		25.0	H
175	155.0	10.0	H
	145.0	15.0	H
180	160.0	10.0	H
	150.0	15.0	H
	140.0	20.0	H
	125.0	27.5	H
	120.0	30.0	H
	100.0	40.0	H
	80.0	50.0	H
	60.0	60.0	H
185	165.0	10.0	H
	155.0	15.0	H

外径 (mm)	内径 (mm)	肉厚 (mm)	仕上	
190	170.0	10.0	H	
	160.0	15.0	H	
	150.0	20.0	H	
	140.0	25.0	H	
	130.0	30.0	H	
	110.0	40.0	H	
	90.0	50.0	H	
	70.0	60.0	H	
	190.7	170.7	10.0	H
	200	180.0	10.0	H
		170.0	15.0	H
		160.0	20.0	H
150.0		25.0	H	
140.0		30.0	H	
120.0		40.0	H	
100.0		50.0	H	
80.0		60.0	H	
212	170.0	21.0	H	
	130.0	41.0	H	
216.3	210.7	2.8	C	
	208.3	4.0	C	
	203.3	6.5	H	
	199.9	8.2	H	
	195.7	10.3	H	
	190.9	12.7	H	
	179.9	18.2	H	
	170.3	23.0	H	
	156.3	30.0	H	
224	140.0	42.0	H	
232	214.0	9.0	H	
	200.0	16.0	H	
236	190.0	21.0	H	
	190.0	23.0	H	
	150.0	43.0	H	
250	200.0	25.0	H	
	190.0	30.0	H	
	170.0	40.0	H	
267.4	150.0	50.0	H	
	259.4	4.0	C	
	254.4	6.5	C	
	248.8	9.3	H	
	237.2	15.1	H	
	231.0	18.2	H	
318.5	224.6	21.4	H	
	210.2	28.6	H	
	309.5	4.5	C	
	297.9	10.3	H	
	283.7	17.4	H	

外径 (mm)	内径 (mm)	肉厚 (mm)	仕上
318.5	275.7	21.4	H
	267.7	25.4	H
	251.9	33.3	H
355.6	333.4	11.1	H
	317.6	19.0	H
406.4	381.0	12.7	H
	363.6	21.4	H

表中の数値は標準サイズです。ホーニング対応サイズもご相談ください。