



Diameter (mm.)	Cutting Length (mm.)	Length (mm.)
0.80	8	32
0.90	16	38
1.00	16	38
1.10	19	38
1.20	19	38
1.30	19	38
1.40	19	38
1.50	19	38
1.60	19	38
1.70	19	38
1.80	22	44
1.90	22	44
2.00	22	44
2.10	22	44
2.20	25	49
2.30	25	49
2.40	25	49
2.50	25	51
2.60	32	57
2.70	32	57
2.80	32	57
2.90	32	57
3.00	32	57
3.10	32	57
3.20	32	57
3.30	35	64
3.40	35	64
3.50	35	64
3.60	35	64
3.70	35	64
3.80	35	64
3.90	35	64
4.00	35	64
4.10	35	64
4.20	41	70

Diameter (mm.)	Cutting Length (mm.)	Length (mm.)
4.30	41	70
4.40	41	70
4.50	41	70
4.60	41	70
4.70	41	70
4.80	41	70
4.90	41	70
5.00	44	76
5.10	44	76
5.20	44	76
5.30	44	76
5.40	44	76
5.50	44	76
5.60	44	76
5.70	44	76
5.80	44	76
5.90	44	76
6.00	51	83
6.10	51	83
6.20	51	83
6.30	51	83
6.40	51	83
6.50	51	83
7.00	54	89
7.50	60	92
8.00	60	92
8.50	64	102
9.00	64	102
9.50	70	108
10.00	73	114
10.50	73	114
11.00	73	114
11.50	76	121
12.00	76	121



Dia./mm.	ความยาวรวม O.A.L.						
	75 mm.	100 mm.	150 mm.	200 mm.	250 mm.	300 mm.	400 mm.
	F.L.	F.L.	F.L.	F.L.	F.L.	F.L.	F.L.
1.0	35	40					
1.1	35	40					
1.2	35	40					
1.3	35	40					
1.4	35	40					
1.5	35	40	60				
1.6	35	40					
1.7	35	40					
1.8	35	40					
1.9	35	40					
2.0		40	60				
2.1		40	60				
2.2		40	60				
2.3		40	60				
2.4		40	60				
2.5		50	60	100			
2.6		50	75	100			
2.7		50	75	100			
2.8		50	75	100			
2.9		50	75	100			
3.0		50	75	100			
3.1			75	100			
3.2			75	100			
3.3			75	100			
3.4			75	100			
3.5			75	100			
3.6			75	100	120	120	
3.7			75	100	120	120	
3.8			75	100	120	120	
3.9			75	100	120	120	
4.0			75	100	120	120	
4.1			75	100	120	120	
4.2			75	100	120	120	
4.3			75	100	120	120	
4.4			75	100	120	120	
4.5			75	100	120	120	
4.6			75	100	120	130	150
4.7			75	100	120	130	150
4.8			75	100	120	130	150
4.9			75	100	120	130	150



Dia./mm.	ความยาวรวม O.A.L.						
	150 mm.	200 mm.	250 mm.	300 mm.	400 mm.	500 mm.	600 mm.
	F.L.	F.L.	F.L.	F.L.	F.L.	F.L.	F.L.
5.0	75	100	120	130	150		
5.1	100	100	120	130	150		
5.2	100	100	120	130	150		
5.3	100	100	120	130	150		
5.4	100	100	120	130	150		
5.5	100	100	120	130	150		
5.6	100	100	120	150	180	180	
5.7	100	100	120	150	180	180	
5.8	100	100	120	150	180	180	
5.9	100	100	120	150	180	180	
6.0	100	100	120	150	180	180	200
6.1	100	100	120	150			
6.2	100	100	120	150			
6.3	100	100	120	150			
6.4	100	100	120	150			
6.5		100	120	150	200	200	200
6.6		100	120	150			
6.7		100	120	150			
6.8		100	120	150			
6.9		100	120	150			
7.0		100	120	150	200	200	200
7.1		100	120	150			
7.2		100	120	150			
7.3		100	120	150			
7.4		100	120	150			
7.5		100	120	150	200	200	200
7.6		100	120	150			
7.7		100	120	150			
7.8		100	120	150			
7.9		100	120	150			
8.0		100	120	150	200	200	200
8.1		100	120	150			
8.2		100	120	150			
8.3		100	120	150			
8.4		100	120	150			
8.5		100	120	150	200	200	200
8.6		100	120	150			
8.7		100	120	150			
8.8		100	120	150			
8.9		100	120	150			
9.0		100	120	150	200	200	200



Dia./mm.	ความยาวรวม O.A.L.					
	200 mm.	250 mm.	300 mm.	400 mm.	500 mm.	600 mm.
	F.L.	F.L.	F.L.	F.L.	F.L.	F.L.
9.1	100	120	150			
9.2	100	120	150			
9.3	100	120	150			
9.4	100	120	150			
9.5	100	120	150	200	200	200
9.6	100	120	150			
9.7	100	120	150			
9.8	100	120	150			
9.9	100	120	150			
10.0	100	120	150	200	250	300
10.1	100	120	150			
10.2	100	120	150			
10.3	100	120	150			
10.4	100	120	150			
10.5	125	120	150	200	250	300
10.6		120	150			
10.7		120	150			
10.8		120	150			
10.9		120	150			
11.0		120	150	200	250	300
11.1		120	150			
11.2		120	150			
11.3		120	150			
11.4		120	150			
11.5		120	150	200	250	300
11.6		120	150			
11.7		120	150			
11.8		120	150			
11.9		120	150			
12.0		120	150	200	250	300
12.1		120	150			
12.2		120	150			
12.3		120	150			
12.4		120	150			
12.5		120	150	200	250	300
12.6		120	150			
12.7		120	150			
12.8		120	150			
12.9		120	150			
13.0		120	150	200	250	300