



### High Speed Steel SCREWED SHANK END MILLS Normal Series (Short Series)

Specifications Conform to :  
BS 122 : Part 4 : 1980  
Dimensions in mm



Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
3.0	9.5	6	16.5	54.0
3.5	12.5	6	19.5	57.0
4.0	12.5	6	19.5	57.0
4.5	12.5	6	19.5	57.0
5.0	16.0	6	23.0	60.5
5.5	16.0	6	23.0	60.5
6.0	16.0	6	23.0	60.5
6.5	16.0	10	22.5	60.5
7.0	15.0	10	22.5	60.5
7.5	18.0	10	25.5	63.5
8.0	18.0	10	25.5	63.5
8.5	21.0	10	28.5	66.5
9.0	21.0	10	28.5	66.5
9.5	21.0	10	28.5	66.5
10.0	21.0	10	28.5	66.5
10.5	19.0	12	28.5	66.5
11.0	19.0	12	28.5	66.5
11.5	22.5	12	32.0	70.0
12.0	24.0	12	32.0	70.0
13.0	24.5	12	32.0	70.0
14.0	28.5	12	35.0	73.0
15.0	26.5	16	38.0	77.0



### High Speed Steel SCREWED SHANK END MILLS Normal Series (Short Series)

Specifications Conform to :  
BS 122 : Part 4 : 1980  
Dimensions in mm



Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
16.0	26.5	16	38.0	77.0
17.0	32	16	41.0	80.0
18.0	35	16	41.0	80.0
19.0	38	16	44.5	83.5
20.0	38.0	16	44.5	83.5
21.0	38.0	25	42.5	95.0
22.0	41.5	25	46.0	98.5
23.0	41.5	25	46.0	98.5
24.0	41.5	25	46.0	98.5
25.0	44.5	25	49.0	101.5
26.0	43.0	25	49.0	101.5
28.0	46.0	25	52.0	104.5
30.0	46.0	25	52.0	104.5
32.0	49.0	25	55.5	108.0
34.0	49.0	25	55.5	108.0
35.0	52.5	25	58.5	111.0
36.0	52.5	25	58.5	111.0
38.0	55.5	25	62.0	114.5
40.0	58.5	25	65.0	117.5
42.0	60.5	25	65.0	117.5
44.0	63.5	25	68.0	120.5
45.0	63.5	25	68.0	120.5

RH Helical flutes with RH cutting.



**High Speed Steel  
SCREWED SHANK END MILLS  
Normal Series (Short Series)**  
(in imperial units)

Specifications Conform to :  
BS 122 : Part 4 : 1980  
Dimensions in Inches



Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
1/8	3/8	1/4	21/32	2.1/8
5/32	1/2	1/4	25/32	2.1/4
3/16	1/2	1/4	25/32	2.1/4
7/32	5/8	1/4	29/32	2.3/8
1/4	5/8	1/4	29/32	2.3/8
9/32	19/32	3/8	7/8	2.3/8
5/16	23/32	3/8	1	2.1/2
11/32	27/32	3/8	1.1/8	2.5/8
3/8	27/32	3/8	1.1/8	2.5/8
13/32	7/8	3/8	1.1/8	2.5/8
7/16	3/4	1/2	1.1/8	2.5/8
15/32	7/8	1/2	1.1/4	2.3/4
1/2	15/16	1/2	1.1/4	2.3/4
9/16	1.1/8	1/2	1.3/8	2.7/8
5/8	1.1/16	5/8	1.1/2	3.1/32
11/16	1.3/8	5/8	1.5/8	3.5/32
3/4	1.1/2	5/8	1.3/4	3.9/32
13/16	1.1/2	1	1.11/16	3.3/4
7/8	1.5/8	1	1.13/16	3.7/8
15/16	1.5/8	1	1.13/16	3.7/8
1	1.11/16	1	1.15/16	4
1.1/16	1.11/16	1	1.15/16	4



**High Speed Steel  
SCREWED SHANK END MILLS  
Normal Series (Short Series)**  
(in imperial units)

Specifications Conform to :  
BS 122 : Part 4 : 1980  
Dimensions in Inches



Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
1.1/8	1.13/16	1	2.1/16	4.1/8
1.3/16	1.13/16	1	2.1/16	4.1/8
1.1/4	1.15/16	1	2.3/16	4.1/4
1.5/16	1.15/16	1	2.3/16	4.1/4
1.3/8	2.1/16	1	2.5/16	4.3/8
1.7/16	2.1/16	1	2.5/16	4.3/8
1.1/2	2.3/16	1	2.7/16	4.1/2
1.5/8	2.3/8	1	2.9/16	4.5/8
1.3/4	2.1/2	1	2.11/16	4.3/4
1.7/8	2.5/8	1	2.13/16	4.7/8
2	2.3/4	1	2.15/16	5

RH Helical flutes with RH cutting.



### High Speed Steel SCREWED SHANK END MILLS (Long Series)

Specifications Conform to :  
BS 122 : Part 4 : 1980  
Dimensions in mm



Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
3.0	19.0	6	26.0	63.5
3.5	25.5	6	32.5	70.0
4.0	25.5	6	32.5	70.0
4.5	25.5	6	32.5	70.0
5.0	31.5	6	38.5	76.0
5.5	31.5	6	38.5	76.0
6.0	31.5	6	38.5	76.0
6.5	35.0	10	41.5	79.5
7.0	34.0	10	41.5	79.5
7.5	34.0	10	41.5	79.5
8.0	34.0	10	41.5	79.5
8.5	37.0	10	44.5	82.5
9.0	37.0	10	44.5	82.5
10.0	37.0	10	44.5	82.5
11.0	41.5	12	51.0	89.0
12.0	49.5	12	57.0	95.0
13.0	50.0	12	57.0	95.0
14.0	57.0	12	63.5	101.5
15.0	58.5	16	69.5	108.5
16.0	58.5	16	69.5	108.5
17.0	67.0	16	76.0	115.0



### High Speed Steel SCREWED SHANK END MILLS (Long Series)

Specifications Conform to :  
BS 122 : Part 4 : 1980  
Dimensions in mm



Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
18	70.0	16	76.0	115.0
19	76.0	16	82.5	121.5
20	76.0	16	82.5	121.5
22	85.5	25	90.5	143.0
24	92.0	25	96.5	149.0
25	100.0	25	104.5	157.0
26	98.5	25	104.5	157.0
28	98.5	25	104.5	157.0
30	98.5	25	104.5	157.0
32	100.0	25	106.5	159.0
34	100.0	25	106.5	159.0
35	100.0	25	106.5	159.0
36	100.0	25	106.5	159.0
38	100.0	25	106.5	159.0
40	101.5	25	106.5	159.0
45	101.5	25	106.5	159.0

RH Helical flutes with RH cutting.



**High Speed Steel  
SCREWED SHANK END MILLS  
(Long Series) (in imperial units)**

Specifications Conform to :  
BS 122 : Part 4 : 1980  
Dimensions in Inches



Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
1/8	3/4	1/4	1.1/32	2.1/2
5/32	1	1/4	1.9/32	2.3/4
3/16	1	1/4	1.9/32	2.3/4
7/32	1.1/4	1/4	1.17/32	3
1/4	1.1/4	1/4	1.17/32	3
9/32	1.11/32	3/8	1.5/8	3.1/8
5/16	1.11/32	3/8	1.5/8	3.1/8
11/32	1.15/32	3/8	1.3/4	3.1/4
3/8	1.15/32	3/8	1.3/4	3.1/4
13/32	1.1/2	3/8	1.3/4	3.1/4
7/16	1.5/8	1/2	2	3.1/2
15/32	1.7/8	1/2	2.1/4	3.3/4
1/2	1.15/16	1/2	2.1/4	3.3/4
9/16	2.1/4	1/2	2.1/2	4
5/8	2.5/16	5/8	2.3/4	4.9/32
11/16	2.3/4	5/8	3	4.17/32
3/4	3	5/8	3.1/4	4.25/32
13/16	3.1/16	1	3.5/16	5.3/8
7/8	3.3/8	1	3.9/16	5.5/8
15/16	3.5/8	1	3.13/16	5.7/8



**High Speed Steel  
SCREWED SHANK END MILLS  
(Long Series) (in imperial units)**

Specifications Conform to :  
BS 122 : Part 4 : 1980  
Dimensions in Inches



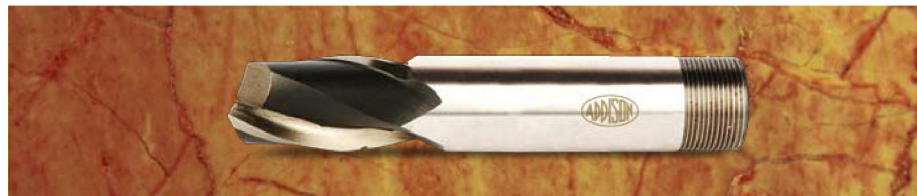
Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
1	3.15/16	1	4.1/8	6.3/16
1.1/16	3.7/8	1	4.1/8	6.3/16
1.1/8	3.7/8	1	4.1/8	6.3/16
1.3/16	3.7/8	1	4.1/8	6.3/16
1.1/4	3.15/16	1	4.3/16	6.1/4
1.5/16	3.15/16	1	4.3/16	6.1/4
1.3/8	3.15/16	1	4.3/16	6.1/4
1.7/16	3.15/16	1	4.3/16	6.1/4
1.1/2	3.15/16	1	4.3/16	6.1/4
1.5/8	4	1	4.3/16	6.1/4
1.3/4	4	1	4.3/16	6.1/4
1.7/8	4	1	4.3/16	6.1/4
2	4	1	4.3/16	6.1/4

RH Helical flutes with RH cutting.



**High Speed Steel  
SCREWED SHANK SLOT DRILLS  
(Normal Series) (Short Series)**

Specifications Conform to :  
BS 122 : Part 4 : 1980  
Dimensions in mm

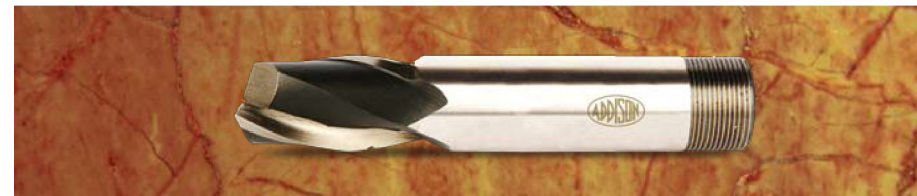


Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
3.0	7.0	6	13.5	51.0
3.5	7.5	6	15.0	52.5
4.0	9.5	6	15.0	52.5
4.5	9.5	6	15.0	52.5
5.0	9.5	6	15.0	52.5
5.5	11.0	6	18.0	55.5
6.0	11.0	6	19.0	56.5
6.5	11.0	10	20.5	58.5
7.0	11.0	10	20.5	58.5
7.5	11.0	10	20.5	58.5
8.0	12.5	10	21.5	59.5
8.5	14.5	10	22.5	60.5
9.0	14.5	10	22.5	60.5
9.5	14.5	10	22.5	60.5
10.0	14.5	10	22.5	60.5
10.5	17.5	12	27.0	65.0
11.0	17.5	12	27.0	65.0
11.5	17.5	12	27.0	65.0
12.0	19.0	12	28.5	66.5
13.0	19.0	12	28.5	66.5
14.0	22.0	12	30.5	68.5
15.0	22.0	16	33.0	72.0



**High Speed Steel  
SCREWED SHANK SLOT DRILLS  
(Normal Series) (Short Series)**

Specifications Conform to :  
BS 122 : Part 4 : 1980  
Dimensions in mm



Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
16	22.0	16	33.0	72.0
17	24.0	16	35.0	74.0
18	24.0	16	35.0	74.0
19	25.5	16	38.0	77.0
20	25.5	16	38.0	77.0
21	25.5	25	46.0	98.5
22	25.5	25	47.5	100.0
23	25.5	25	49.0	101.5
24	25.5	25	50.5	103.0
25	27.0	25	42.5	95.0
26	27.0	25	42.5	95.0
27	28.5	25	41.0	93.5
28	30.0	25	42.5	95.0
29	30.0	25	41.0	93.5
30	30.0	25	41.0	93.5
32	38.0	25	49.0	101.5
34	38.0	25	49.0	101.5
35	39.5	25	50.5	103.0
36	39.5	25	50.5	103.0
38	43.0	25	54.0	106.5
40	46.0	25	58.5	111.0
42	47.5	25	60.0	112.5
44	51.0	25	63.5	116.0
45	51.0	25	63.5	116.0

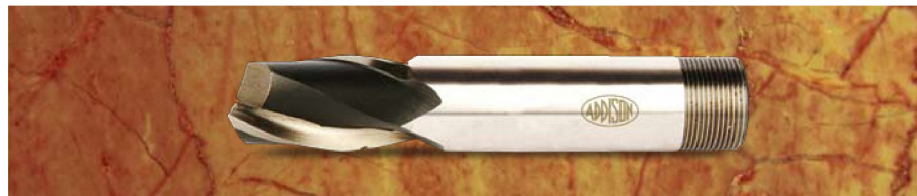
A Cutter with teeth on the periphery and end, integral with a parallel shank. Designed primarily for the purpose of milling shallow slots or keyways, usually having two teeth.

RH Helical flutes with RH cutting.



**High Speed Steel**  
**SCREWED SHANK SLOT DRILLS**  
 (Normal Series) (Short Series)  
 (in imperial units)

Specifications Conform to  
 BS 122 : Part 4 : 1980  
 Dimensions in Inches

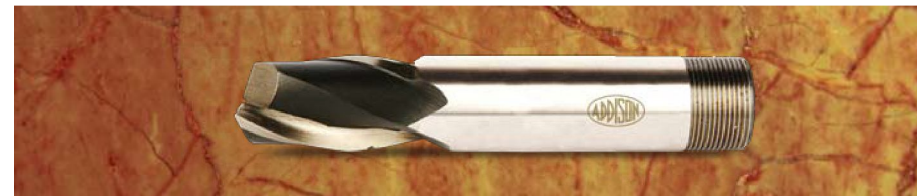


Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
1/8	9/32	1/4	17/32	2
5/32	3/8	1/4	19/32	2.1/16
3/16	3/8	1/4	19/32	2.1/16
7/32	7/16	1/4	23/32	2.3/16
1/4	7/16	1/4	3/4	2.7/32
9/32	7/16	3/8	13/16	2.5/16
5/16	1/2	3/8	27/32	2.11/32
11/32	9/16	3/8	7/8	2.3/8
3/8	9/16	3/8	7/8	2.3/8
13/32	5/8	3/8	7/8	2.3/8
7/16	11/16	1/2	1.1/16	2.9/16
15/32	11/16	1/2	1.1/16	2.9/16
1/2	3/4	1/2	1.1/8	2.5/8
9/16	27/32	1/2	1.7/32	2.23/32
5/8	7/8	5/8	1.5/16	2.27/32
11/16	15/16	5/8	1.3/8	2.29/32
3/4	1	5/8	1.1/2	3.1/32
13/16	1	1	1.13/16	3.7/8
7/8	1	1	1.7/8	3.15/16
15/16	1	1	2	4.1/16
1	1.1/16	1	1.11/16	3.3/4
1.1/16	1.1/8	1	1.5/8	3.11/16



**High Speed Steel**  
**SCREWED SHANK SLOT DRILLS**  
 (Normal Series) (Short Series)  
 (in imperial units)

Specifications Conform to :  
 BS 122 : Part 4 : 1980  
 Dimensions in Inches



Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
1.1/8	1.3/16	1	1.11/16	3.3/4
1.3/16	1.3/16	1	1.5/8	3.11/16
1.1/4	1.1/2	1	1.15/16	4
1.5/16	1.1/2	1	1.15/16	4
1.3/8	1.9/16	1	2	4.1/16
1.7/16	1.9/16	1	2	4.1/16
1.1/2	1.11/16	1	2.1/8	4.3/16
1.5/8	1.7/8	1	2.3/8	4.7/16
1.3/4	2	1	2.1/2	4.9/16
1.7/8	2.1/8	1	2.5/8	4.11/16
2	2.1/4	1	2.3/4	4.13/16

RH Helical flutes with RH cutting.



**High Speed Steel  
SCREWED SHANK SLOT DRILLS  
(Long Series)**

Specifications Conform to :  
BS 122 : Part 4 : 1980  
Dimensions in mm



Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
3.0	11.0	6	23.0	60.5
3.5	12.5	6	29.0	66.5
4.0	12.5	6	29.0	66.5
4.5	12.5	6	29.0	66.5
5.0	12.5	6	32.5	70.0
5.5	16.0	6	38.5	76.0
6.0	16.0	6	38.5	76.0
6.5	16.0	10	38.0	76.0
7.0	16.0	10	38.0	76.0
7.5	16.0	10	38.0	76.0
8.0	19.0	10	41.5	79.5
8.5	22.0	10	44.5	82.5
9.0	22.0	10	44.5	82.5
10.0	22.0	10	44.5	82.5
11.0	22.0	12	51.0	89.0
12.0	25.5	12	57.0	95.0
13.0	25.5	12	57.0	95.0
14.0	28.5	12	63.5	101.5
15.0	31.5	16	69.0	108.0
16.0	31.5	16	69.0	108.0
17.0	35.0	16	75.5	114.5



**High Speed Steel  
SCREWED SHANK SLOT DRILLS  
(Long Series)**

Specifications Conform to :  
BS 122 : Part 4 : 1980  
Dimensions in mm



Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
18	35.0	16	75.50	114.5
19	38.0	16	81.50	120.5
20	38.0	16	81.50	120.5
22	41.5	25	87.50	140.0
24	41.5	25	100.00	152.5
25	44.5	25	106.50	159.0
26	44.5	25	106.50	159.0
28	47.5	25	106.50	159.0
30	51.0	25	106.50	159.0
32	51.0	25	106.50	159.0
34	51.0	25	106.50	159.0
35	54.0	25	106.50	159.0
36	54.0	25	106.50	159.0
38	57.0	25	106.50	159.0
40	57.0	25	106.50	159.0
45	57.0	25	106.50	159.0

RH Helical flutes with RH cutting.



**High Speed Steel  
SCREWED SHANK SLOT DRILLS  
Long Series**  
(in imperial units)

Specifications Conform to :  
BS 122 : Part 4 : 1980  
Dimensions in Inches



Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
1/8	7/16	1/4	1.1/32	2.1/2
5/32	1/2	1/4	1.9/32	2.3/4
3/16	1/2	1/4	1.9/32	2.3/4
7/32	5/8	1/4	1.17/32	3
1/4	5/8	1/4	1.17/32	3
9/32	5/8	3/8	1.1/2	3
5/16	3/4	3/8	1.5/8	3.1/8
11/32	7/8	3/8	1.3/4	3.1/4
3/8	7/8	3/8	1.3/4	3.1/4
13/32	7/8	3/8	2	3.1/2
7/16	7/8	1/2	2	3.1/2
15/32	1	1/2	2.1/4	3.3/4
1/2	1	1/2	2.1/4	3.3/4
9/16	1.1/8	1/2	2.1/2	4
5/8	1.1/4	5/8	2.23/32	4.1/4
11/16	1.3/8	5/8	2.31/32	4.1/2
3/4	1.1/2	5/8	3.7/32	4.3/4
13/16	1.1/2	1	3.7/16	5.1/2
7/8	1.5/8	1	3.7/16	5.1/2
15/16	1.5/8	1	3.15/16	6



**High Speed Steel  
SCREWED SHANK SLOT DRILLS  
Long Series**  
(in imperial units)

Specifications Conform to :  
BS 122 : Part 4 : 1980  
Dimensions in Inches



Diameter	Cutting Edge Length	Shank Diameter	Nominal Length below Chuck	Overall length
1	1.3/4	1	4.3/16	6.1/4
1.1/16	1.3/4	1	4.3/16	6.1/4
1.1/8	1.7/8	1	4.3/16	6.1/4
1.3/16	2	1	4.3/16	6.1/4
1.1/4	2	1	4.3/16	6.1/4
1.3/8	2.1/8	1	4.3/16	6.1/4
1.7/16	2.1/8	1	4.3/16	6.1/4
1.1/2	2.1/4	1	4.3/16	6.1/4
1.5/8	2.1/2	1	4.3/16	6.1/4
1.3/4	2.1/2	1	4.3/16	6.1/4
1.7/8	2.1/2	1	4.3/16	6.1/4
2	2.1/2	1	4.3/16	6.1/4

RH Helical flutes with RH cutting.