



High Speed Steel PARALLEL SHANK END MILLS

Specifications Conform to :
IS 6353 - 1991
ISO 1641 : Part 1 : 1978
Dimensions in mm



Diameter js14	Shank dia h8	Length			
		Standard Series		Long Series	
		Cutting Edge Length	Overall Length	Cutting Edge Length	Overall Length
3	4	8	40	12	44
4	4	11	43	19	51
5	5	13	47	24	58
6	6	13	57	24	68
7	8	16	60	30	74
8	8	19	63	38	82
9	10	19	69	38	88
10	10	22	72	45	95
11	12	22	79	45	102
12	12	26	83	53	110
14	12	26	83	53	110
16	16	32	92	63	123
18	16	32	92	63	123
20	20	38	104	75	141
22	20	38	104	75	141
25	25	45	121	90	166
28	25	45	121	90	166
32	32	53	133	106	186
36	32	53	133	106	186
40	40	63	155	125	217
45	40	63	155	125	217
50	50	75	177	150	252
56	50	75	177	150	252
63	50	90	192	180	282
71	63	90	202	180	292

Endmills are integral shank cutters capable of cutting on the periphery and end. These cutters are used for profile milling, facing narrow surfaces and producing open slots and pockets where a 'plunge' feed is not required.

Note: Unless otherwise specified End mills with flat end, plain parallel shank of Standard series in Tool type-N with Right Hand Helical flutes for Right Hand cutting shall be supplied.



**High Speed Steel
PARALLEL SHANK END MILLS**

Specifications Conform to:
BS 122 : Part 1 : 1953
Dimensions in Inches



Diameter	Shank dia	Cutting Edge Length	Overall Length
1/8	1/4	3/8	1.7/8
5/32	1/4	3/8	1.7/8
3/16	1/4	1/2	2
7/32	1/4	1/2	2
1/4	1/4	5/8	2.1/8
5/16	3/8	3/4	2.1/2
3/8	3/8	7/8	2.5/8
7/16	1/2	7/8	2.5/8
1/2	1/2	1	2.3/4
9/16	1/2	1.1/8	2.7/8
5/8	5/8	1.1/4	3.1/4
11/16	5/8	1.3/8	3.3/8
3/4	5/8	1.1/2	3.1/2
13/16	3/4	1.5/8	3.5/8
7/8	3/4	1.5/8	3.5/8

Diameter	Shank dia	Cutting Edge Length	Overall Length
1	3/4	1.3/4	3.3/4
1.1/8	1	1.7/8	4.1/8
1.1/4	1	2	4.1/4
1.3/8	1	2.1/8	4.5/8
1.1/2	1	2.1/4	4.3/4
1.5/8	1.1/4	2.3/8	4.7/8
1.3/4	1.1/4	2.1/2	5.1/8
1.7/8	1.1/4	2.5/8	5.1/4
2	1.1/2	3	5.1/2
2.1/8	1.1/2	3	5.1/2
2.1/4	1.1/2	3	5.5/8
2.3/8	1.1/2	3.1/4	5.7/8
2.1/2	1.1/2	3.1/2	6.1/8
2.3/4	1.1/2	3.1/2	6.1/2
3	2	3.1/2	6.1/2

Parallel Shank End Mills for Right Hand cutting with Right Hand Helical flutes shall be supplied unless otherwise specified.
Intermediate sizes shall be supplied with the same dimensions other than diameter as the next larger standard size unless otherwise specified.
Sizes 1.5/8" & above are not covered in BSS.
Tolerance on Cutting Edge dia. Upto & including 3/4" = + 0.005"/ 0.000
Over 3/4" = + 0.010"/ 0.000



**High Speed Steel
PARALLEL SHANK END MILLS**

Specifications Conform to :
DIN 844 (Part 1) : 1989
Dimensions in mm



Diameter js14	Shank dia	Short Series (K)		Long Series (L)	
		Cutting Edge Length	Overall Length	Cutting Edge Length	Overall Length
3	6	8	52	12	56
4	6	11	55	19	63
5	6	13	57	24	68
6	6	13	57	24	68
7	10	16	66	30	80
8	10	19	69	38	88
10	10	22	72	45	95
12	12	26	83	53	110
14	12	26	83	53	110
16	16	32	92	63	123
18	16	32	92	63	123
20	20	38	104	75	141
22	20	38	104	75	141
25	25	45	121	90	166
28	25	45	121	90	166
32	32	53	133	106	186
36	32	53	133	106	186
40	40	63	155	125	217
45	40	63	155	125	217
50	50	75	177	150	252
56	50	75	177	150	252
63	50	90	192	180	282

Note : Unless otherwise specified End mills with Plain parallel shank of short series (type A) in tool type - N with Right Hand Helical flutes for Right Hand cutting shall be supplied.