



**High Speed Steel  
TAPER SHANK END MILLS  
WITH TANGED END  
(Standard Series & Long Series)**

Specifications Conform to :  
IS 6354-1971  
Dimensions in mm



Diameter js14	Standard Series		Long Series		Morse Taper No.
	Cutting Edge Length	Overall Length	Cutting Edge Length	Overall Length	
3.0	10	84	—	—	1
3.5	11	85	—	—	1
4.0	11	85	—	—	1
4.5	13	87	—	—	1
5.0	13	87	—	—	1
5.5	16	90	—	—	1
6.0	16	90	30	104	1
7.0	16	90	30	104	1
8.0	19	93	38	112	1
9.0	19	93	38	112	1
10.0	22	96	45	119	1
11.0	22	96	45	119	1
12.0	26	100	53	127	1
14.0	26	100	53	127	1
16.0	32	124	63	155	2
18.0	32	124	63	155	2
20.0	38	130	75	167	2
22.0	38	130	75	167	2
25.0	45	157	90	202	3
28.0	45	157	90	202	3
32.0	53	165	106	218	3
35.0	53	193	106	246	4
40.0	63	203	125	265	4
45.0	63	203	125	265	4
50.0	75	250	150	325	5
56.0	75	250	150	325	5
63.0	90	265	180	355	5

**Note:** Unless otherwise specified, Standard series in Tool type-N with Left Hand Helical flutes for Right Hand cutting shall be supplied.  
Sizes below 6 mm not covered in ISS.



**High Speed Steel  
TAPER SHANK END MILLS  
(TAPPED END)  
(Standard series & long series)**

Specifications Conform to :  
IS 6354-1991  
ISO 1641 : Part II : 1978  
Dimensions in mm



Diameter js14	Standard Series		Long Series		Morse Taper No.	Thread Size of Tapped Hole
	Cutting Edge Length	Overall Length	Cutting Edge Length	Overall Length		
6	13	83	24	94	1	M6
7	16	86	30	100	1	M6
8	19	89	38	108	1	M6
9	19	89	38	108	1	M6
10	22	92	45	115	1	M6
11	22	92	45	115	1	M6
12	26	96	53	123	1	M6
14	26	96	53	123	1	M6
16	32	117	63	148	2	M10
18	32	117	63	148	2	M10
20	38	123	75	160	2	M10
22	38	123	75	160	2	M10
25	45	147	90	192	3	M12
28	45	147	90	192	3	M12
32	53	155	106	208	3	M12
36	53	178	106	231	4	M16
40	63	188	125	250	4	M16
45	63	188	125	250	4	M16
50	75	233	150	308	5	M20
56	75	233	150	308	5	M20
63	90	248	180	338	5	M20

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 of Standard series in Tool type-N with Right Hand Helical flutes for Right Hand cutting shall be supplied.



**High Speed Steel  
TAPER SHANK END MILLS  
With Tanged End/Tapped End**

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



Diameter	Cutting Edge Length	Overall length		Thread Size of Tapped Hole	Morse Taper No.
		Tanged Shank	Tapped Shank		
1/8	3/8	3.3/8	—	—	1
5/32	3/8	3.3/8	—	—	1
3/16	1/2	3.1/2	—	—	1
7/32	1/2	3.1/2	—	—	1
1/4	5/8	3.5/8	—	—	1
5/16	3/4	3.3/4	—	—	1
3/8	7/8	3.7/8	—	—	1
7/16	7/8	3.7/8	—	—	1
1/2	1	4	—	—	1
9/16	1.1/8	4.3/4	4.3/8	3/8 BSW	2
5/8	1.1/4	4.7/8	4.1/2	3/8 BSW	2
11/16	1.3/8	5	4.5/8	3/8 BSW	2
3/4	1.1/2	5.1/8	4.3/4	3/8 BSW	2
13/16	1.5/8	5.1/4	4.7/8	3/8 BSW	2
7/8	1.5/8	5.1/4	4.7/8	3/8 BSW	2
1	1.3/4	6.1/8	5.5/8	1/2 BSW	3
1.1/8	1.7/8	6.1/4	5.3/4	1/2 BSW	3
1.1/4	2	6.3/8	5.7/8	1/2 BSW	3
1.3/8	2.1/8	7.5/8	7.1/8	5/8 BSW	4
1.1/2	2.1/4	7.3/4	7.1/4	5/8 BSW	4
1.5/8	2.3/8	7.7/8	7.3/8	5/8 BSW	4



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



Diameter	Cutting Edge Length	Overall length		Thread Size of Tapped Hole	Morse Taper No.
		Tanged Shank	Tapped Shank		
1.3/4	2.1/2	8	7.1/2	5/8 BSW	4
1.7/8	2.5/8	8.1/8	7.5/8	5/8 BSW	4
2	2.3/4	8.1/4	7.3/4	5/8 BSW	4
2.1/8	3	9.7/8	9.3/32	5/8 BSW	5
2.1/4	3	9.7/8	9.3/32	5/8 BSW	5
2.3/8	3.1/4	10.1/8	9.11/32	5/8 BSW	5
2.1/2	3.1/2	10.3/8	9.19/32	5/8 BSW	5
2.3/4	3.1/2	10.5/8	9.27/32	5/8 BSW	5
3	3.1/2	10.5/8	9.27/32	5/8 BSW	5

Tanged end Taper Shank End Mills will be supplied with RH cutting with LH Helical flutes 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 2.1/8" & 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