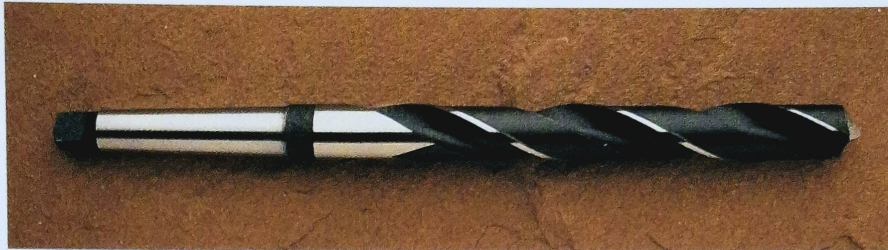




High Speed Steel TAPER SHANK TWIST DRILLS

Specifications conform to
IS 5103-1969
ISO 235-1980
DIN 345-1978
BS 328 : Part 1 : 1986
Dimensions in mm / inch



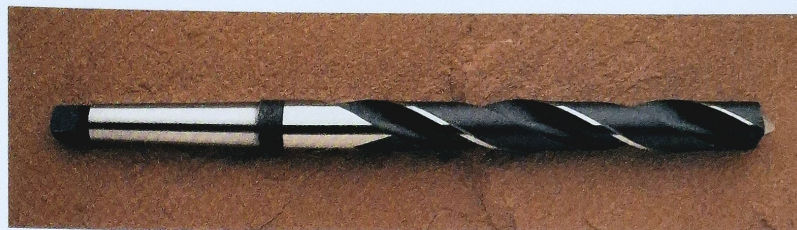
Diameter h8		Flute Length	Overall Length	Morse Taper No.
mm	inch			
3.00	–	33	114	1
3.20	1/8	36	117	1
3.50	9/64	39	120	1
3.80	–	43	124	1
4.00	5/32	43	124	1
4.20	–	43	124	1
4.50	11/64	47	128	1
4.80	3/16	52	133	1
5.00	–	52	133	1
5.20	13/64	52	133	1
5.50	7/32	57	138	1
5.80	–	57	138	1
6.00	15/64	57	138	1
6.20	–	63	144	1
6.50	1/4	63	144	1
6.80	17/64	69	150	1
7.00	–	69	150	1
7.20	9/32	69	150	1
7.50	–	69	150	1
7.80	19/64	75	156	1
8.00	5/16	75	156	1

Diameter h8		Flute Length	Overall Length	Morse Taper No.
mm	inch			
8.20	21/64	75	156	1
8.50	–	75	156	1
8.80	11/32	81	162	1
9.00	–	81	162	1
9.20	23/64	81	162	1
9.50	–	81	162	1
9.80	3/8	87	168	1
10.00	25/64	87	168	1
10.20	13/32	87	168	1
10.50	–	87	168	1
10.80	27/64	94	175	1
11.00	–	94	175	1
11.20	7/16	94	175	1
11.50	29/64	94	175	1
11.80	–	94	175	1
12.00	15/32	101	182	1
12.20	31/64	101	182	1
12.50	–	101	182	1
12.80	1/2	101	182	1
13.00	33/64	101	182	1
13.20	–	101	182	1



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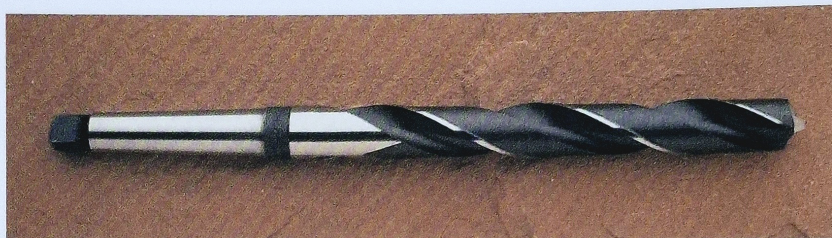
Diameter h8		Flute Length	Overall Length	Morse Taper No.
mm	inch			
13.50	17/32	108	189	1
13.80	35/64	108	189	1
14.00	-	108	189	1
14.25	9/16	114	212	2
14.50	-	114	212	2
14.75	37/64	114	212	2
15.00	-	114	212	2
15.25	19/32	120	218	2
15.50	39/64	120	218	2
15.75	-	120	218	2
16.00	5/8	120	218	2
16.25	41/64	125	223	2
16.50	-	125	223	2
16.75	21/32	125	223	2
17.00	-	125	223	2
17.25	43/64	130	228	2
17.50	11/16	130	228	2
17.75	-	130	228	2
18.00	45/64	130	228	2
18.25	23/32	135	233	2
18.50	-	135	233	2
18.75	47/64	135	233	2
19.00	-	135	233	2
19.25	3/4	140	238	2
19.50	49/64	140	238	2
19.75	25/32	140	238	2
20.00	-	140	238	2
20.25	51/64	145	243	2
20.50	-	145	243	2
20.75	13/16	145	243	2

Diameter h8		Flute Length	Overall Length	Morse Taper No.
mm	inch			
21.00	53/64	145	243	2
21.25	-	150	248	2
21.50	27/32	150	248	2
21.75	55/64	150	248	2
22.00	-	150	248	2
22.25	7/8	150	248	2
22.50	57/64	155	253	2
22.75	-	155	253	2
23.00	29/32	155	253	2
23.25	-	155	276	3
23.50	59/64	155	276	3
23.75	15/16	160	281	3
24.00	-	160	281	3
24.25	61/64	160	281	3
24.50	31/32	160	281	3
24.75	-	160	281	3
25.00	-	160	281	3
25.25	63/64	165	286	3
25.50	1	165	286	3
25.75	1.1/64	165	286	3
26.00	-	165	286	3
26.25	1.1/32	165	286	3
26.50	-	165	286	3
26.75	1.3/64	170	291	3
27.00	1.1/16	170	291	3
27.25	-	170	291	3
27.50	1.5/64	170	291	3
27.75	1.3/32	170	291	3
28.00	-	170	291	3
28.25	1.7/64	175	296	3



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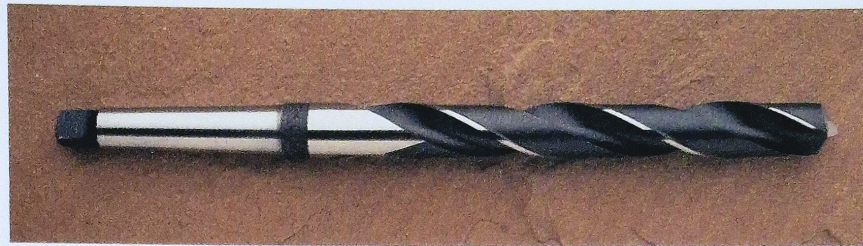
Diameter h8		Flute Length	Overall Length	Morse Taper No.
mm	inch			
28.50	1.1/8	175	296	3
28.75	-	175	296	3
29.00	1.9/64	175	296	3
29.25	-	175	296	3
29.50	1.5/32	175	296	3
29.75	1.11/64	175	296	3
30.00	-	175	296	3
30.25	1.3/16	180	301	3
30.50	1.13/64	180	301	3
30.75	-	180	301	3
31.00	1.7/32	180	301	3
31.25	1.15/64	180	301	3
31.50	-	180	301	3
31.75	1.1/4	185	306	3
32.00	-	185	334	4
32.50	1.9/32	185	334	4
33.00	-	185	334	4
33.50	1.5/16	185	334	4
34.00	1.11/32	190	339	4
34.50	-	190	339	4
35.00	1.3/8	190	339	4
35.50	-	190	339	4
36.00	1.13/32	195	344	4
36.50	1.7/16	195	344	4
37.00	-	195	344	4
37.50	1.15/32	195	344	4
38.00	1.1/2	200	349	4
38.50	-	200	349	4
39.00	1.17/32	200	349	4
39.50	1.9/16	200	349	4
40.00	-	200	349	4

Diameter h8		Flute Length	Overall Length	Morse Taper No.
mm	inch			
40.50	1.19/32	205	354	4
41.00	-	205	354	4
41.50	1.5/8	205	354	4
42.00	1.21/32	205	354	4
42.50	-	205	354	4
43.00	1.11/16	210	359	4
43.50	1.23/32	210	359	4
44.00	-	210	359	4
44.50	1.3/4	210	359	4
45.00	-	210	359	4
45.50	1.25/32	215	364	4
46.00	1.13/16	215	364	4
46.50	-	215	364	4
47.00	1.27/32	215	364	4
47.50	-	215	364	4
48.00	1.7/8	220	369	4
48.50	1.29/32	220	369	4
49.00	1.15/16	220	369	4
49.50	-	220	369	4
50.00	-	220	369	4
50.50	1.31/32,2	225	374	4
51.00	-	225	412	5
52.00	2.1/16	225	412	5
53.00	-	225	412	5
54.00	2.1/8	230	417	5
55.00	-	230	417	5
56.00	2.3/16	230	417	5
57.00	2.1/4	235	422	5
58.00	-	235	422	5
59.00	2.5/16	235	422	5
60.00	-	235	422	5



High Speed Steel TAPER SHANK TWIST DRILLS

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Diameter h8		Flute Length	Overall Length	Morse Taper No.
mm	inch			
61.00	2.3/8	240	427	5
62.00	2.7/16	240	427	5
63.00	-	240	427	5
64.00	2.1/2	245	432	5
65.00	2.9/16	245	432	5
66.00	-	245	432	5
67.00	2.5/8	245	432	5
68.00	2.11/16	250	437	5
69.00	-	250	437	5
70.00	2.3/4	250	437	5
71.00	-	250	437	5
72.00	2.13/16	255	442	5
73.00	2.7/8	255	442	5
74.00	-	255	442	5
75.00	2.15/16	255	442	5
76.00	3	260	447	5
77.00	-	260	514	6
78.00	3.1/16	260	514	6
79.00	3.1/8	260	514	6
80.00	-	260	514	6
81.00	3.3/16	265	519	6

Diameter h8		Flute Length	Overall Length	Morse Taper No.
mm	inch			
82.00	-	265	519	6
83.00	3.1/4	265	519	6
84.00	3.5/16	265	519	6
85.00	-	265	519	6
86.00	3.3/8	270	524	6
87.00	3.7/16	270	524	6
88.00	-	270	524	6
89.00	3.1/2	270	524	6
90.00	-	270	524	6
91.00	3.9/16	275	529	6
92.00	3.5/8	275	529	6
93.00	-	275	529	6
94.00	3.11/16	275	529	6
95.00	-	275	529	6
96.00	3.3/4	280	534	6
97.00	3.13/16	280	534	6
98.00	3.7/8	280	534	6
99.00	-	280	534	6
100.00	-	280	534	6
101.00	3.15/16	285	539	6
102.00	4	285	539	6