

Section 5 Cutting Tools

MORSE SHANK TWIST DRILLS # 345

High Speed Steel - Regular Helix - Right Hand
Tolerance h 8 (ISO 235 - 1980) - Point Angle 118°
Top Quality - Typical Origin: Austria, Germany, United States



DRILL DIA. mm	MINUS Tolerance mm	DRILL DIA. mm	MORSE NO.
3	.014	5 - 14	1
3 - 6	.018	14.25 - 23	2
6 - 10	.022	23.25 - 31.75	3
10 - 18	.027	32 - 50.5	4
18 - 30	.033	51 - 76	5
30 - 50	.039	77 - 90	6
50 - 90	.046		

SIZE DIA. mm	FLUTE LENGTH mm	OVERALL LENGTH mm	SIZE DIA. mm	FLUTE LENGTH mm	OVERALL LENGTH mm	SIZE DIA. mm	FLUTE LENGTH mm	OVERALL LENGTH mm	SIZE DIA. mm	FLUTE LENGTH mm	OVERALL LENGTH mm
5	52	133	14.25	114	212	27.25	170	291	47	215	264
5.25	52	133	14.5	114	212	27.5	170	291	47.5	215	364
5.5	57	138	14.75	114	212	27.75	170	291	48	220	369
6	57	138	15	114	212	28	170	296	48.5	220	369
6.25	63	144	15.25	120	218	28.25	175	296	49	220	369
6.5	63	144	15.5	120	218	28.5	175	296	49.5	220	369
6.75	69	150	15.75	120	218	28.75	175	296	50	220	369
7	69	150	16	120	218	29	175	296	50.5	225	369
7.25	69	150	16.25	125	233	29.25	175	296	51	225	412
7.5	69	150	16.5	125	233	29.5	175	296	52	225	412
7.75	75	156	16.75	125	233	29.75	175	296	53	225	412
8	75	156	17	125	233	30	175	296	54	230	417
8.2	75	156	17.5	130	228	30.25	180	301	55	230	417
8.25	75	156	17.75	130	228	30.5	180	301	56	230	417
8.5	75	156	18	130	228	30.75	180	301	57	235	422
8.75	81	162	18.25	135	233	31	180	301	58	235	422
8.8	81	162	18.5	135	233	31.25	180	301	59	235	422
9	81	162	18.75	135	233	31.5	180	301	60	235	422
9.2	81	162	19	135	233	31.75	185	306	61	240	427
9.25	81	162	19.5	140	238	32	185	334	62	240	427
9.5	81	162	19.75	140	238	32.5	185	334	63	240	427
9.75	87	168	20	140	238	33	185	334	64	245	432
9.8	87	168	20.25	145	243	33.5	185	334	65	245	432
10	87	168	20.75	145	243	34	190	339	66	245	432
10.2	87	168	21	145	243	34.5	190	339	67	245	432
10.25	87	168	21.25	150	248	35	190	339	68	250	437
10.5	87	168	21.5	150	248	35.5	190	339	69	250	437
10.75	94	175	21.75	150	248	36	195	344	70	250	437
10.8	94	175	22	150	248	36.5	195	344	71	250	437
11	94	175	22.25	150	248	37	195	344	72	255	442
11.2	94	175	22.5	155	253	37.5	195	344	73	255	442
11.25	94	175	22.75	155	253	38	200	349	74	255	442
11.5	94	175	23	155	253	38.5	200	349	75	255	442
11.75	94	175	23.25	155	276	39	200	349	76	260	447
11.8	94	182	23.5	155	276	39.5	200	349	77	260	514
12	101	182	23.75	160	281	40	200	349	78	260	514
12.2	101	182	24	160	281	40.5	205	354	79	260	514
12.25	101	182	24.25	160	281	41	205	354	80	260	514
12.5	101	182	24.5	160	281	41.5	205	354	81	265	519
12.7	101	182	24.75	160	281	42	205	354	82	265	519
12.75	101	182	25	160	281	42.5	205	354	83	265	519
12.8	101	182	25.25	165	286	43	210	359	84	265	519
13	101	182	25.5	165	286	43.5	210	359	85	265	519
13.2	101	182	25.75	165	286	44	210	359	86	270	524
13.25	108	189	26	165	286	44.5	210	359	87	270	524
13.5	108	189	26.25	165	286	45	210	359	88	270	524
13.75	108	189	26.5	165	286	45.5	215	364	89	270	524
13.8	108	189	26.75	170	291	46	215	364	90	270	524
14	108	189	27	170	291	46.5	215	364			

How to Order
Item #: 345
Size: 34.5
Quantity: 2
Tel: 1-888-966-MMCC

*Please note: Various other sizes available - **Please inquire.**