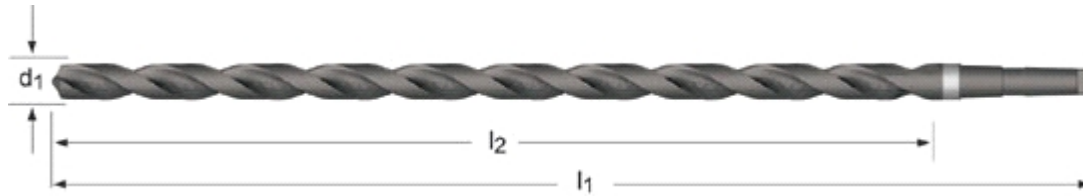


## A345

Morse Taper Shank Extra Length Drill



**1.1 1.2**

**1.3 1.4 1.5 1.6 2.1 2.2 2.3 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1**

**5.2 5.3 6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4 8.1 8.2 8.3 9.1**

$d_1$ R <sub>h8</sub> Inch	$d_1$ R <sub>h8</sub> mm	$d_1$ decimal Inch	$l_2$ mm	$l_1$ mm	MK	e-code	USD
	8.00	0.3150	165	265	1	A3458.0	144.00
	8.50	0.3346	165	265	1	A3458.5	214.00
	9.00	0.3543	175	275	1	A3459.0	199.00
	9.50	0.3740	175	275	1	A3459.5	216.00
3/8	9.52	0.3750	185	285	1	A3453/8	143.00
	10.00	0.3937	185	285	1	A34510.0	192.00
13/32	10.32	0.4063	185	285	1	A34513/32	207.00
	10.50	0.4134	185	285	1	A34510.5	208.00
	11.00	0.4331	195	300	1	A34511.0	227.00
7/16	11.11	0.4375	195	300	1	A3457/16	167.00
	11.50	0.4528	195	300	1	A34511.5	249.00
29/64	11.51	0.4531	205	310	1	A34529/64	217.00
	12.00	0.4724	205	310	1	A34512.0	173.00
	12.50	0.4921	205	310	1	A34512.5	249.00
1/2	12.70	0.5000	205	310	1	A3451/2	197.00
	13.00	0.5118	205	310	1	A34513.0	197.00
17/32	13.49	0.5313	220	325	1	A34517/32	390.00
	13.50	0.5315	220	325	1	A34513.5	276.00
	14.00	0.5512	220	325	1	A34514.0	307.00
9/16	14.29	0.5625	220	340	2	A3459/16	221.00
37/64	14.68	0.5781	220	340	2	A34537/64	459.00
	15.00	0.5906	220	340	2	A34515.0	329.00
39/64	15.48	0.6094	230	355	2	A34539/64	530.00
	15.50	0.6102	230	355	2	A34515.5	364.00
5/8	15.88	0.6250	230	355	2	A3455/8	239.00
	16.00	0.6299	230	355	2	A34516.0	335.00

d <sub>1</sub> R <sub>h8</sub> Inch	d <sub>1</sub> R <sub>h8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	MK	e-code		USD
41/64	16.27	0.6406	230	355	2	A34541/64		528.00
	16.50	0.6496	230	355	2	A34516.5		370.00
21/32	16.67	0.6563	230	355	2	A34521/32		491.00
	17.00	0.6693	230	355	2	A34517.0		359.00
11/16	17.46	0.6875	245	370	2	A34511/16		390.00
	17.50	0.6890	245	370	2	A34517.5		392.00
	18.00	0.7087	245	370	2	A34518.0		349.00
	18.50	0.7283	245	370	2	A34518.5		383.00
	19.00	0.7480	245	370	2	A34519.0		511.00
3/4	19.05	0.7500	260	385	2	A3453/4		311.00
	19.50	0.7677	260	385	2	A34519.5		561.00
	20.00	0.7874	260	385	2	A34520.0		372.00
	20.50	0.8071	260	385	2	A34520.5		444.00
	21.00	0.8268	260	385	2	A34521.0		430.00
	21.50	0.8465	270	405	2	A34521.5		513.00
	22.00	0.8661	270	405	2	A34522.0		557.00
7/8	22.22	0.8750	270	405	2	A3457/8		625.00
	22.50	0.8858	270	405	3	A34522.5		659.00
	23.00	0.9055	270	405	3	A34523.0		610.00
	23.50	0.9252	270	425	3	A34523.5		692.00
	24.00	0.9449	290	440	3	A34524.0		662.00
	24.50	0.9646	290	440	3	A34524.5		776.00
	25.00	0.9843	290	440	3	A34525.0		610.00
1"	25.40	1.0000	290	440	3	A3451	1)	576.00
	25.50	1.0039	290	440	3	A34525.5	1)	786.00
	26.00	1.0236	290	440	3	A34526.0	1)	697.00
	26.50	1.0433	290	440	3	A34526.5	1)	1,041.00
	27.00	1.0630	305	460	3	A34527.0	1)	964.00
	28.00	1.1024	305	460	3	A34528.0	1)	741.00
	29.00	1.1417	305	460	3	A34529.0	1)	1,230.00
	30.00	1.1811	305	460	3	A34530.0	1)	781.00
1.1/4	31.75	1.2500	320	480	3	A3451.1/4	1)	764.00
	31.00	1.2205	320	480	3	A34531.0	1)	917.00
	32.00	1.2598	320	505	4	A34532.0	1)	1,115.00
	33.00	1.2992	320	505	4	A34533.0	1)	1,271.00
	34.00	1.3386	340	530	4	A34534.0	1)	1,271.00
	35.00	1.3780	340	530	4	A34535.0	1)	1,271.00
	36.00	1.4173	340	530	4	A34536.0	1)	1,310.00
	37.00	1.4567	340	530	4	A34537.0	1)	1,387.00
	38.00	1.4961	360	555	4	A34538.0	1)	1,483.00
1.1/2	38.10	1.5000	360	555	4	A3451.1/2	1)	1,483.00
	39.00	1.5354	360	555	4	A34539.0	1)	1,550.00
	40.00	1.5748	360	555	4	A34540.0	1)	1,611.00
	41.00	1.6142	360	555	4	A34541.0	1)	1,701.00

d <sub>1</sub> R <sub>h8</sub> Inch	d <sub>1</sub> R <sub>h8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	MK	e-code		USD
	42.00	1.6535	360	555	4	A34542.0	1)	2,014.00
1.3/4	44.45	1.7500	385	585	4	A3451.3/4	1)	1,729.00
	45.00	1.7717	385	585	4	A34545.0	1)	1,729.00
	48.00	1.8898	405	605	4	A34548.0	1)	2,257.00
	50.00	1.9685	405	605	4	A34550.0	1)	1,873.00

<sup>1)</sup>Not able to achieve 10xD