

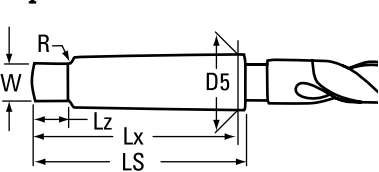
**Taper Shank**

**General Purpose Taper Shank (continued)**

**INCH SIZES**

Drill Dia.	Decimal Equiv.	Metric Equiv.	Overall Length	Flute Length	Morse Taper Number	Style 1894 Black Oxide
57/64	.8906	22.62	10-3/4	6-1/8	3	C20557
29/32	.9062	23.02	10-3/4	6-1/8	3	C20558
59/64	.9219	23.42	10-3/4	6-1/8	3	C20559
15/16	.9375	23.81	10-3/4	6-1/8	3	C20560
61/64	.9531	24.21	11	6-3/8	3	C20561
31/32	.9688	24.61	11	6-3/8	3	C20562
63/64	.9844	25.00	11	6-3/8	3	C20563
1	1.0000	25.40	11	6-3/8	3	C20564
1-1/64	1.0156	25.80	11-1/8	6-1/2	3	C20565
1-1/32	1.0312	26.19	11-1/8	6-1/2	3	C20566
1-3/64	1.0469	26.59	11-1/4	6-5/8	3	C20567
1-1/16	1.0625	26.99	11-1/4	6-5/8	3	C20568
1-5/64	1.0781	27.38	12-1/2	6-7/8	4	C20569
1-3/32	1.0938	27.78	12-1/2	6-7/8	4	C20570
1-7/64	1.1094	28.18	12-3/4	7-1/8	4	C20571
1-1/8	1.1250	28.58	11-3/4	7-1/8	3	C20040
1-1/8	1.1250	28.58	12-3/4	7-1/8	4	C20572
1-9/64	1.1406	28.97	12-7/8	7-1/4	4	C20573
1-5/32	1.1562	29.37	12-7/8	7-1/4	4	C20574
1-11/64	1.1719	29.77	13	7-3/8	4	C20575
1-3/16	1.1875	30.16	13	7-3/8	4	C20576
1-13/64	1.2031	30.56	13-1/8	7-1/2	4	C20577
1-7/32	1.2188	30.96	13-1/8	7-1/2	4	C20578
1-15/64	1.2344	31.35	13-1/2	7-7/8	4	C20579
1-1/4	1.2500	31.75	12-1/2	7-7/8	3	C20043
1-1/4	1.2500	31.75	13-1/2	7-7/8	4	C20580
1-17/64	1.2656	32.15	14-1/8	8-1/2	4	C20581
1-9/32	1.2812	32.54	14-1/8	8-1/2	4	C20582
1-19/64	1.2969	32.94	14-1/4	8-5/8	4	C20583
1-5/16	1.3125	33.34	14-1/4	8-5/8	4	C20584
1-21/64	1.3281	33.73	14-3/8	8-3/4	4	C20585
1-11/32	1.3438	34.13	14-3/8	8-3/4	4	C20586
1-23/64	1.3594	34.53	14-1/2	8-7/8	4	C20587
1-3/8	1.3750	34.93	14-1/2	8-7/8	4	C20588
1-25/64	1.3906	35.32	14-5/8	9	4	C20589
1-13/32	1.4062	35.72	14-5/8	9	4	C20590
1-27/64	1.4219	36.12	14-3/4	9-1/8	4	C20591
1-7/16	1.4375	36.51	14-3/4	9-1/8	4	C20592
1-1/2	1.5000	38.10	15	9-3/8	4	C20596
1-9/16	1.5625	39.69	16-5/8	9-5/8	5	C20068
1-5/8	1.6250	41.28	15-5/8	10	4	C20045
1-5/8	1.6250	41.28	17	10	5	C20072

**Morse Taper Shank Specifications**



Morse Taper Shank No.	Taper per Foot	Taper per Inch	D5 Max Shank Diameter	LS Length of Shank	Lx Shank Length to Gage Line	Lz Length of Tang	W Thickness of Tang	R Radius
1	.5985	.0498	.475	2.56	2.44	.37	.20	.19
2	.5994	.0499	.700	3.12	2.94	.44	.25	.25
3	.6023	.0501	.938	3.87	3.69	.56	.31	.28
4	.6232	.0519	1.231	4.87	4.62	.62	.47	.31
5	.6315	.0526	1.749	6.12	5.87	.75	.62	.37
6	.6256	.0521	2.494	8.56	8.25	1.12	.75	.50

**Reduced Shank**

**Silver & Deming**

**FEATURES**

- Style 1813
  - 118° point
  - round 1/2" reduced shank
  - Black oxide finish
  - HSS substrate
- Style 1892
  - 118° point
  - 3 flats on 1/2" reduced shank
  - Black oxide finish
  - HSS substrate
- Style 1877
  - 118° split point
  - 3 flats on 1/2" reduced shank
  - Black and gold finish
  - HSS substrate
- Style 1877M
  - 118° split point
  - 3 flats on 1/2" reduced shank
  - Black oxide finish
  - HSS substrate
  - Metric sizes only



**INCH SIZES**

Drill Dia.	Decimal Equiv.	Metric Equiv.	Overall Length	Flute Length	Style 1813 Black Oxide	Style 1892 Black Oxide	Style 1877 Black & Gold
1/2	.5000	12.70	6	3-1/8	C20732	C20670	—
33/64	.5156	13.10	6	3-1/8	C20733	C20671	C17031
17/32	.5312	13.49	6	3-1/8	C20734	C20672	C17032
35/64	.5469	13.89	6	3-1/8	C20735	C20673	C17033
9/16	.5625	14.29	6	3-1/8	C20736	C20674	C17034
37/64	.5781	14.68	6	3-1/8	C20737	C20675	C17035
19/32	.5938	15.08	6	3-1/8	C20738	C20676	C17036
39/64	.6094	15.48	6	3-1/8	C20739	C20677	C17037
5/8	.6250	15.88	6	3-1/8	C20740	C20678	C17038
41/64	.6406	16.27	6	3-1/8	C20741	C20679	C17039
21/32	.6562	16.67	6	3-1/8	C20742	C20680	C17040
43/64	.6719	17.07	6	3-1/8	C20743	C20681	C17041
11/16	.6875	17.46	6	3-1/8	C20744	C20682	C17042
45/64	.7031	17.86	6	3-1/8	C20745	C20683	C17043
23/32	.7188	18.26	6	3-1/8	C20746	C20684	C17044
47/64	.7344	18.65	6	3-1/8	C20747	C20685	C17045
3/4	.7500	19.05	6	3-1/8	C20748	C20686	C17046
49/64	.7656	19.45	6	3-1/8	C20749	C20687	C17047
25/32	.7812	19.84	6	3-1/8	C20750	C20688	C17048
51/64	.7969	20.24	6	3-1/8	C20669	—	C17049
13/16	.8125	20.64	6	3-1/8	C20751	C20689	C17050
53/64	.8281	21.03	6	3-1/8	C20724	—	C17051
27/32	.8438	21.43	6	3-1/8	C20752	C20690	C17052
55/64	.8594	21.83	6	3-1/8	C20725	—	C17053
7/8	.8750	22.23	6	3-1/8	C20753	C20691	C17054
57/64	.8906	22.62	6	3-1/8	C20726	—	C17055
29/32	.9062	23.02	6	3-1/8	C20754	C20692	C17056
59/64	.9219	23.42	6	3-1/8	C20727	—	C17057
15/16	.9375	23.81	6	3-1/8	C20755	C20693	C17058
61/64	.9531	24.21	6	3-1/8	C20728	—	C17059
31/32	.9688	24.61	6	3-1/8	C20756	C20694	C17060
63/64	.9844	25.00	6	3-1/8	C20729	—	C17061
1	1.0000	25.40	6	3-1/8	C20757	C20695	C17062
1-1/32	1.0312	26.19	6	3-1/8	C20730	—	—

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# Reduced Shank

## Silver & Deming (continued)

### INCH SIZES

Drill Dia.	Decimal Equiv.	Metric Equiv.	Overall Length	Flute Length	Style 1813 Black Oxide	Style 1892 Black Oxide	Style 1877 Black & Gold
1-1/16	1.0625	26.99	6	3-1/8	C20758	C20696	C17066
1-1/8	1.1250	28.58	6	3-1/8	C20759	C20697	C17070
1-5/32	1.1562	29.37	6	3-1/8	C20731	—	—
1-3/16	1.1875	30.16	6	3-1/8	C20760	C20698	C17074
1-1/4	1.2500	31.75	6	3-1/8	C20761	C20699	C17078
1-5/16	1.3125	33.34	6	3-1/8	C20762	—	C17082
1-3/8	1.3750	34.93	6	3-1/8	C20763	—	C17086
1-7/16	1.4375	36.51	6	3-1/8	C20764	—	C17090
1-1/2	1.5000	38.10	6	3-1/8	C20765	—	C17094

### METRIC SIZES\*

Drill Dia.	Decimal Equiv.	Overall Length	Flute Length	Style 1813 Black Oxide	Style 1877M Black Oxide
13.0	.5118	152	79	C21070	C21170
13.5	.5315	152	79	C21071	C21171
14.0	.5512	152	79	C21072	C21172
14.5	.5709	152	79	C21073	C21173
15.0	.5906	152	79	C21074	C21174
15.5	.6102	152	79	C21075	C21175
16.0	.6299	152	79	C21076	C21176
16.5	.6496	152	79	C21077	C21177
17.0	.6693	152	79	C21078	C21178
17.5	.6890	152	79	C21079	C21179
18.0	.7087	152	79	C21080	C21180
18.5	.7283	152	79	C21081	C21181
19.0	.7480	152	79	C21082	C21182
19.5	.7677	152	79	C21083	C21183
20.0	.7874	152	79	C21084	C21184
21.0	.8268	152	79	C21085	C21185
22.0	.8661	152	79	C21086	C21186
23.0	.9055	152	79	C21087	C21187
24.0	.9449	152	79	C21088	C21188
25.0	.9843	152	79	C21089	C21189

\*Metric sizes made to order (minimum order quantities apply).

### SETS in METAL CASE

	No. of Pieces	Style 1813 EDP No.	Style 1892 EDP No.	Style 1877 EDP No.
In metal case				
9/16" – 1" x 1/16"	8	C21135	C22761	C21164
1/2" – 1" x 1/64"	33	C21134	—	—



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# Masonry

## Carbide-Tipped Masonry

### FEATURES

- Oversize carbide tip provides clearance for toggle bolts, anchor screws and expansion drills
- Regular helix for easy dust removal and more steel support for the tip.
- Shank reduced to fit 1/2" drill
- Conforms to ANSI Specification B212.15-1994
- Recommended for use in sandstone and green concrete



Style 1818 Black Finish

### INCH SIZES

Drill Dia.	Minimum Actual Dia.	Metric Equiv.	Overall Length	Useable Length	Shank Diameter	Style 1818 Black
1/8	.134	3.40	3	1-7/8	1/8	C20930
3/16	.198	5.03	3	1-7/8	1/4	C20932
1/4	.260	6.60	4	2-5/8	1/4	C20934
1/4	.260	6.60	6	4-5/8	1/4	C20935
5/16	.327	8.31	4	2-3/4	1/4	C20937
5/16	.327	8.31	6	4-3/4	1/4	C20938
3/8	.390	9.91	4	2-3/4	1/4	C20939
3/8	.390	9.91	6	4-3/4	1/4	C20940
7/16	.458	11.63	6	4-3/4	1/4	C20941
7/16	.458	11.63	6	4-3/8	3/8	C20942
1/2	.520	13.21	4	4-3/8	3/8	C20943
1/2	.520	13.21	6	4-3/8	1/4	C20944
9/16	.587	14.91	6	4-3/8	1/2	C20945
5/8	.650	16.51	6	4-3/8	3/8	C20946
11/16	.713	18.11	6	4-3/8	1/2	C20947
3/4	.775	19.69	6	4-3/8	1/2	C20948
7/8	.905	22.99	6	4-3/8	1/2	C20949
1	1.030	26.16	6	4-3/8	1/2	C20950

### SET in PLASTIC CASE

Drill Sizes	No. of Pieces	Overall Length	Style 1818 Black
in plastic case			
1/4", 5/16", 3/8", 1/2"	4	4	C17003



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