

Reduced Shank Drills

High Speed Steel & Cobalt

1/2" Standard Shank - Silver & Deming

List No. **303** – High Speed Steel, 118° PointList No. **303C** – Cobalt, 135° Notched Point

Heavy web permits use at higher speeds in hardened stainless, heat treated and high temperature alloys.

1/2" Flatted Shank - Silver & Deming

3-Equal flats for positive more rigid Holding in 3-jaw chucks

List No. **303F** – High Speed Steel, 118° PointList No. **303CF** – Cobalt, 135° Notched Point

Fractional Sizes

6" Overall Length, 3" Flute Length

MADE IN
USAMICHIGAN
DRILL & CUTTING TOOLS

Size	Dec. Equiv.	Price Each			
		Standard Shank		Flatted Shank	
		H.S. 303	Cobalt 303C	H.S. 303F	Cobalt 303CF
5/16	.3125	16.17	—	—	—
3/8	.3750	16.17	—	—	—
29/64	.4531	16.17	—	—	—
15/32	.4688	16.17	—	—	—
1/2	.5000	18.81	33.93	25.66	39.33
33/64	.5156	18.81	41.94	26.77	47.34
17/32	.5312	19.64	41.94	27.45	46.98
35/64	.5469	19.86	43.38	28.46	48.78
9/16	.5625	19.86	43.38	27.68	48.78
37/64	.5781	21.33	46.44	30.57	51.84
19/32	.5938	21.33	46.44	29.74	51.84
39/64	.6094	22.35	49.37	30.35	54.77
5/8	.6250	22.35	49.37	30.35	54.77
41/64	.6406	23.85	55.40	31.85	60.80
21/32	.6562	23.85	55.40	31.85	60.80
43/64	.6719	24.78	58.46	32.87	63.86
11/16	.6875	24.78	58.46	32.87	63.86
45/64	.7031	25.11	62.51	33.11	67.91
23/32	.7188	25.11	62.51	33.11	67.91
47/64	.7344	27.34	62.51	35.34	67.91
3/4	.7500	27.34	62.51	35.34	67.91
49/64	.7656	29.18	70.65	37.18	76.10
25/32	.7812	29.18	70.65	37.18	76.05
51/64	.7969	34.21	73.98	42.21	79.38
13/16	.8125	31.67	73.98	39.67	79.38
53/64	.8281	35.41	80.55	43.41	85.95
27/32	.8438	32.84	80.55	40.84	85.95
55/64	.8594	36.76	80.55	46.37	85.95
7/8	.8750	32.84	79.61	40.84	85.01
57/64	.8906	38.37	84.83	46.37	90.23
29/32	.9062	36.66	84.83	44.66	90.23
59/64	.9219	41.06	84.83	49.06	90.23
15/16	.9375	41.06	84.83	49.06	90.23
61/64	.9531	43.40	94.68	51.40	100.08
31/32	.9688	39.06	94.68	49.06	100.08
63/64	.9844	43.48	102.92	51.48	108.32

* 3/4" and larger are furnished with notched point.

Size	Dec. Equiv.	Price Each			
		Standard Shank		Flatted Shank	
		H.S. 303	Cobalt 303C	H.S. 303F	Cobalt 303CF
1	1.0000	42.50	102.92	50.59	108.32
1-1/64	1.0156	57.92	—	65.92	—
1-1/32	1.0312	57.92	131.72	65.92	137.12
1-3/64	1.0469	57.92	—	65.92	—
1-1/16	1.0625	49.44	142.16	57.44	147.56
1-5/64	1.0781	57.92	—	65.92	—
1-3/32	1.0938	57.92	151.97	65.92	157.37
1-7/64	1.1094	61.65	—	69.65	—
1-1/8	1.1250	58.22	161.73	66.22	167.13
1-9/64	1.1406	61.60	179.10	69.65	203.40
1-5/32	1.1562	64.40	169.65	72.40	175.05
1-11/64	1.1719	69.34	—	77.34	—
1-3/16	1.1875	64.49	177.39	72.49	182.79
1-13/64	1.2031	70.86	—	78.86	—
1-7/32	1.2188	70.86	186.93	78.86	192.33
1-15/64	1.2344	82.16	—	90.16	—
1-1/4	1.2500	70.86	196.47	78.86	201.87
1-17/64	1.2656	98.00	—	106.00	—
1-9/32	1.2812	98.00	277.43	106.00	282.83
1-19/64	1.2969	106.00	—	114.00	—
1-5/16	1.3125	106.00	277.43	114.00	282.83
1-21/64	1.3281	106.00	—	114.00	—
1-11/32	1.3438	106.00	281.48	114.00	286.88
1-23/64	1.3594	107.50	—	115.50	—
1-3/8	1.3750	106.00	281.48	114.00	286.88
1-25/64	1.3906	116.24	—	124.24	—
1-13/32	1.4062	112.27	304.16	120.27	309.56
1-27/64	1.4219	119.83	—	127.83	—
1-7/16	1.4375	124.30	304.16	132.73	309.56
1-29/64	1.4531	124.30	—	132.73	—
1-15/32	1.4688	130.39	310.23	138.39	315.63
1-31/64	1.4844	130.39	—	138.39	—
1-1/2	1.5000	139.44	310.23	147.44	315.63
1-9/16	1.5265	208.43	—	218.43	—
1-5/8	1.6250	250.00	—	260.00	—
1-3/4	1.7500	280.00	—	290.00	—

Fractional Sets



Sizes	Pcs.	Shank	Holder Type	High Speed Steel		Cobalt	
				Set No.	Price Each	Set No.	Price Each
9/16" – 1" by 16ths	8	Standard	Metal Index	303SA	278.43	303CA	591.06
9/16" – 1" by 16ths	8	Flatted	Metal Index	303FSA	342.40	303FCA	634.26
14.00, 15.00, 16.00, 17.00, 18.00, 20.00, 22.00, 24.00	8	Standard	Wood Block	303M8	366.76	—	—
1-1/16" – 1-1/2" by 16ths	8	Standard	Wood Block	303SB	728.70	303CB	1863.05
1-1/16" – 1-1/2" by 16ths	8	Flatted	Wood Block	303FSB	793.13	303FCB	1906.25
9/16" – 1" by 16ths, 1-1/8" and 1-1/4"	10	Standard	Wood Block	303SJ	385.48	303CS	927.26
9/16" – 1" by 16ths, 1-1/8" and 1-1/4"	10	Flatted	Wood Block	303FSJ	465.48	303FCS	1000.00
17/32" – 3/4" by 32nds, 13/16", 7/8", 15/16", 31/32" and 1"	13	Standard	Wood Block	303SD	385.39	303CD	870.03
17/32" – 3/4" by 32nds, 13/16", 7/8", 15/16", 31/32" and 1"	13	Flatted	Wood Block	303FSD	491.61	303FCD	994.00
33/64 – 1" by 64ths	32	Standard	Wood Block	303SE	978.58	303CE	2208.56
1/2" – 1" by 64ths	33	Standard	Metal Stand	303SG	1017.68	303CG	2262.49
1/2" – 1" by 64ths	33	Flatted	Metal Stand	303SF	1286.25	303FCG	2440.38