

DRILL

AMERICA



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"AMERICA'S CUTTING TOOL CONNECTION"

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Drill America®

KFD®

KFD® Contractor

QualTech®

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HSS JOBBERS LENGTH DRILLS

118° POINT

DWDN Series - Surface Treated Economy

D/AN Series - Surface Treated Premium Quality

A dependable, general purpose drill designed to perform in a broad range of materials in the iron and steel families. Ideal for production, maintenance or portable drilling jobs. Surface treated with abrasion-resistant black oxide.



DWDP Series - Polished Economy

D/AP Series - Polished Premium Quality

A dependable, general purpose drill used for a variety of materials. Ideal for production, maintenance or portable drilling jobs. Bright finish, which provides superior chip evacuation.



F R A C T I O N A L S I Z E S

				DWDN Series		D/AN Series		DWDP Series		D/AP Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
1/64"	.0156	3/16"	3/4"	DWDN1/64	\$0.63	D/AN1/64	\$2.08	DWDP1/64	\$1.81	D/AP1/64	\$2.08
1/32"	.0312	1/2"	1-3/8"	DWDN1/32	\$0.59	D/AN1/32	\$1.43	DWDP1/32	\$1.29	D/AP1/32	\$1.43
3/64"	.0469	3/4"	1-3/4"	DWDN3/64	\$0.59	D/AN3/64	\$1.36	DWDP3/64	\$1.16	D/AP3/64	\$1.36
1/16"	.0625	7/8"	1-7/8"	DWDN1/16	\$0.59	D/AN1/16	\$1.22	DWDP1/16	\$1.07	D/AP1/16	\$1.22
5/64"	.0781	1"	2"	DWDN5/64	\$0.63	D/AN5/64	\$1.26	DWDP5/64	\$1.07	D/AP5/64	\$1.26
3/32"	.0938	1-1/4"	2-1/4"	DWDN3/32	\$0.63	D/AN3/32	\$1.09	DWDP3/32	\$0.94	D/AP3/32	\$1.09
7/64"	.1094	1-1/2"	2-5/8"	DWDN7/64	\$0.63	D/AN7/64	\$1.18	DWDP7/64	\$1.03	D/AP7/64	\$1.18
1/8"	.1250	1-5/8"	2-3/4"	DWDN1/8	\$0.63	D/AN1/8	\$1.31	DWDP1/8	\$1.12	D/AP1/8	\$1.31
9/64"	.1406	1-3/4"	2-7/8"	DWDN9/64	\$0.71	D/AN9/64	\$1.36	DWDP9/64	\$1.12	D/AP9/64	\$1.36
5/32"	.1562	2"	3-1/8"	DWDN5/32	\$0.71	D/AN5/32	\$1.57	DWDP5/32	\$1.35	D/AP5/32	\$1.57
11/64"	.1719	2-1/8"	3-1/4"	DWDN11/64	\$0.80	D/AN11/64	\$1.78	DWDP11/64	\$1.54	D/AP11/64	\$1.78
3/16"	.1875	2-5/16"	3-1/2"	DWDN3/16	\$0.87	D/AN3/16	\$1.96	DWDP3/16	\$1.71	D/AP3/16	\$1.96
13/64"	.2031	2-7/16"	3-5/8"	DWDN13/64	\$0.99	D/AN13/64	\$2.18	DWDP13/64	\$1.86	D/AP13/64	\$2.18
7/32"	.2188	2-1/2"	3-3/4"	DWDN7/32	\$1.06	D/AN7/32	\$2.44	DWDP7/32	\$2.08	D/AP7/32	\$2.44
15/64"	.2344	2-5/8"	3-7/8"	DWDN15/64	\$1.18	D/AN15/64	\$2.69	DWDP15/64	\$2.34	D/AP15/64	\$2.69
1/4"	.2500	2-3/4"	4"	DWDN1/4	\$1.23	D/AN1/4	\$2.75	DWDP1/4	\$2.34	D/AP1/4	\$2.75
17/64"	.2656	2-7/8"	4-1/8"	DWDN17/64	\$1.49	D/AN17/64	\$3.42	DWDP17/64	\$2.94	D/AP17/64	\$3.42
9/32"	.2812	2-15/16"	4-1/4"	DWDN9/32	\$1.55	D/AN9/32	\$3.86	DWDP9/32	\$3.36	D/AP9/32	\$3.86
19/64"	.2969	3-1/16"	4-3/8"	DWDN19/64	\$1.84	D/AN19/64	\$4.38	DWDP19/64	\$3.81	D/AP19/64	\$4.38
5/16"	.3125	3-3/16"	4-1/2"	DWDN5/16	\$1.99	D/AN5/16	\$4.51	DWDP5/16	\$3.88	D/AP5/16	\$4.51
21/64"	.3281	3-5/16"	4-5/8"	DWDN21/64	\$2.24	D/AN21/64	\$5.01	DWDP21/64	\$4.30	D/AP21/64	\$5.01
11/32"	.3438	3-7/16"	4-3/4"	DWDN11/32	\$2.45	D/AN11/32	\$5.58	DWDP11/32	\$4.81	D/AP11/32	\$5.58
23/64"	.3594	3-1/2"	4-7/8"	DWDN23/64	\$2.80	D/AN23/64	\$6.30	DWDP23/64	\$5.42	D/AP23/64	\$6.30
3/8"	.3750	3-5/8"	5"	DWDN3/8	\$2.82	D/AN3/8	\$6.30	DWDP3/8	\$5.42	D/AP3/8	\$6.30
25/64"	.3906	3-3/4"	5-1/8"	DWDN25/64	\$3.31	D/AN25/64	\$7.36	DWDP25/64	\$6.33	D/AP25/64	\$7.36
13/32"	.4062	3-7/8"	5-1/4"	DWDN13/32	\$3.35	D/AN13/32	\$7.53	DWDP13/32	\$6.46	D/AP13/32	\$7.53
27/64"	.4219	3-15/16"	5-3/8"	DWDN27/64	\$3.74	D/AN27/64	\$8.73	DWDP27/64	\$7.26	D/AP27/64	\$8.73
7/16"	.4375	4-1/16"	5-1/2"	DWDN7/16	\$3.85	D/AN7/16	\$8.73	DWDP7/16	\$7.50	D/AP7/16	\$8.73
29/64"	.4531	4-3/16"	5-5/8"	DWDN29/64	\$4.37	D/AN29/64	\$9.84	DWDP29/64	\$8.45	D/AP29/64	\$9.84
15/32"	.4688	4-5/16"	5-3/4"	DWDN15/32	\$4.61	D/AN15/32	\$10.37	DWDP15/32	\$8.89	D/AP15/32	\$10.37
31/64"	.4844	4-3/8"	5-7/8"	DWDN31/64	\$4.84	D/AN31/64	\$11.66	DWDP31/64	\$10.03	D/AP31/64	\$11.66
1/2"	.5000	4-1/2"	6"	DWDN1/2	\$5.07	D/AN1/2	\$11.70	DWDP1/2	\$10.03	D/AP1/2	\$11.70

HSS JOBBERS LENGTH DRILLS

118° POINT

F R A C T I O N A L S I Z E S O V E R 1 / 2 "

				DWDN Series		D/AN Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
33/64"	.5156	4-13/16"	6-5/8"	DWDN33/64	\$11.26	D/AN33/64	\$22.16
17/32"	.5312	4-13/16"	6-5/8"	DWDN17/32	\$11.82	D/AN17/32	\$23.24
35/64"	.5469	4-13/16"	6-5/8"	DWDN35/64	\$12.75	D/AN35/64	\$25.15
9/16"	.5625	4-13/16"	6-5/8"	DWDN9/16	\$13.38	D/AN9/16	\$26.34
37/64"	.5781	4-13/16"	6-5/8"	DWDN37/64	\$13.43	D/AN37/64	\$26.41
19/32"	.5938	5-3/16"	7-1/8"	DWDN19/32	\$13.78	D/AN19/32	\$27.13
39/64"	.6094	5-3/16"	7-1/8"	DWDN39/64	\$14.76	D/AN39/64	\$29.07
5/8"	.6250	5-3/16"	7-1/8"	DWDN5/8	\$14.76	D/AN5/8	\$29.07
41/64"	.6406	5-3/16"	7-1/8"	DWDN41/64	\$15.81	D/AN41/64	\$31.16
21/32"	.6562	5-3/16"	7-1/8"	DWDN21/32	\$16.58	D/AN21/32	\$32.66
43/64"	.6719	5-5/8"	7-5/8"	DWDN43/64	\$17.91	D/AN43/64	\$35.30
11/16"	.6875	5-5/8"	7-5/8"	DWDN11/16	\$17.91	D/AN11/16	\$35.30

Package Quantities

#1 – #80 ----- 12 pcs per pack
 A – O ----- 12 pcs per pack
 P – Z ----- 6 pcs per pack
 1/64" – 5/16" ----- 12 pcs per pack
 21/64" – 1/2" ----- 6 pcs per pack
 33/64" & Up ----- 1 pc per pack
 .30 – 8MM ----- 12 pcs per pack
 8.10 – 13MM ----- 6 pcs per pack
 13.5MM & Up ----- 1 pc per pack

L E T T E R S I Z E S

				DWDN Series		D/AN Series		D/AP Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price	Part Number	List Price
A	.2340	2-5/8"	3-7/8"	DWDNA	\$1.83	D/ANA	\$3.31	D/APA	\$3.31
B	.2380	2-3/4"	4"	DWDNB	\$1.83	D/ANB	\$3.40	D/APB	\$3.40
C	.2420	2-3/4"	4"	DWDNC	\$1.83	D/ANC	\$3.19	D/APC	\$3.19
D	.2460	2-3/4"	4"	DWDND	\$1.83	D/AND	\$3.19	D/APD	\$3.19
E	.2500	2-3/4"	4"	DWDNE	\$1.71	D/ANE	\$3.35	D/APE	\$3.35
F	.2570	2-7/8"	4-1/8"	DWDNF	\$1.97	D/ANF	\$3.87	D/APF	\$3.87
G	.2610	2-7/8"	4-1/8"	DWDNG	\$2.19	D/ANG	\$4.17	D/APG	\$4.17
H	.2660	2-7/8"	4-1/8"	DWDNH	\$2.19	D/ANH	\$4.36	D/APH	\$4.36
I	.2720	2-7/8"	4-1/8"	DWDNI	\$2.19	D/ANI	\$4.36	D/API	\$4.36
J	.2770	2-7/8"	4-1/8"	DWDNJ	\$2.37	D/ANJ	\$4.65	D/APJ	\$4.65
K	.2810	2-15/16"	4-1/4"	DWDNK	\$2.59	D/ANK	\$4.65	D/APK	\$4.65
L	.2900	2-15/16"	4-1/4"	DWDNL	\$2.59	D/ANL	\$5.40	D/APL	\$5.40
M	.2950	3-1/16"	4-3/8"	DWDNM	\$2.76	D/ANM	\$5.40	D/APM	\$5.40
N	.3020	3-1/16"	4-3/8"	DWDNN	\$2.76	D/ANN	\$5.44	D/APN	\$5.44
O	.3160	3-3/16"	4-1/2"	DWDNO	\$2.80	D/ANO	\$5.52	D/APO	\$5.52
P	.3230	3-5/16"	4-5/8"	DWDNP	\$3.16	D/ANP	\$6.21	D/APP	\$6.21
Q	.3320	3-7/16"	4-3/4"	DWDNQ	\$3.16	D/ANQ	\$6.21	D/APQ	\$6.21
R	.3390	3-7/16"	4-3/4"	DWDNR	\$3.38	D/ANR	\$6.61	D/APR	\$6.61
S	.3480	3-1/2"	4-7/8"	DWDNS	\$3.54	D/ANS	\$7.05	D/APS	\$7.05
T	.3580	3-1/2"	4-7/8"	DWDNT	\$4.06	D/ANT	\$7.60	D/APT	\$7.60
U	.3680	3-5/8"	5"	DWDNU	\$4.06	D/ANU	\$7.66	D/APU	\$7.66
V	.3770	3-5/8"	5"	DWDNV	\$4.17	D/ANV	\$7.91	D/APV	\$7.91
W	.3860	3-3/4"	5-1/8"	DWDNW	\$4.29	D/ANW	\$8.44	D/APW	\$8.44
X	.3970	3-3/4"	5-1/8"	DWDNX	\$5.22	D/ANX	\$8.53	D/APX	\$8.53
Y	.4040	3-7/8"	5-1/4"	DWDNY	\$6.26	D/ANY	\$10.43	D/APY	\$10.43
Z	.4130	3-7/8"	5-1/4"	DWDNZ	\$5.85	D/ANZ	\$11.52	D/APZ	\$11.52



HSS JOBBERS LENGTH DRILLS

118° POINT

WIRE GAUGE SIZES



				DWDN Series		D/AN Series		D/AP Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price	Part Number	List Price
1	.2280	2-5/8"	3-7/8"	DWDN1	\$1.70	D/AN1	\$2.96	D/AP1	\$2.96
2	.2210	2-5/8"	3-7/8"	DWDN2	\$1.70	D/AN2	\$2.96	D/AP2	\$2.96
3	.2130	2-1/2"	3-3/4"	DWDN3	\$1.55	D/AN3	\$2.78	D/AP3	\$2.78
4	.2090	2-1/2"	3-3/4"	DWDN4	\$1.55	D/AN4	\$2.78	D/AP4	\$2.78
5	.2055	2-1/2"	3-3/4"	DWDN5	\$1.55	D/AN5	\$2.78	D/AP5	\$2.78
6	.2040	2-1/2"	3-3/4"	DWDN6	\$1.55	D/AN6	\$2.78	D/AP6	\$2.78
7	.2010	2-7/16"	3-5/8"	DWDN7	\$1.38	D/AN7	\$2.52	D/AP7	\$2.52
8	.1990	2-7/16"	3-5/8"	DWDN8	\$1.38	D/AN8	\$2.52	D/AP8	\$2.52
9	.1960	2-7/16"	3-5/8"	DWDN9	\$1.38	D/AN9	\$2.52	D/AP9	\$2.52
10	.1935	2-7/16"	3-5/8"	DWDN10	\$1.38	D/AN10	\$2.52	D/AP10	\$2.52
11	.1910	2-5/16"	3-1/2"	DWDN11	\$1.27	D/AN11	\$2.35	D/AP11	\$2.35
12	.1890	2-5/16"	3-1/2"	DWDN12	\$1.27	D/AN12	\$2.35	D/AP12	\$2.35
13	.1850	2-5/16"	3-1/2"	DWDN13	\$1.25	D/AN13	\$2.26	D/AP13	\$2.18
14	.1820	2-3/16"	3-3/8"	DWDN14	\$1.25	D/AN14	\$2.18	D/AP14	\$2.18
15	.1800	2-3/16"	3-3/8"	DWDN15	\$1.25	D/AN15	\$2.18	D/AP15	\$2.18
16	.1770	2-3/16"	3-3/8"	DWDN16	\$1.25	D/AN16	\$2.18	D/AP16	\$2.18
17	.1730	2-3/16"	3-3/8"	DWDN17	\$1.25	D/AN17	\$2.18	D/AP17	\$2.18
18	.1695	2-1/8"	3-1/4"	DWDN18	\$0.99	D/AN18	\$1.95	D/AP18	\$1.95
19	.1660	2-1/8"	3-1/4"	DWDN19	\$0.99	D/AN19	\$1.95	D/AP19	\$1.95
20	.1610	2-1/8"	3-1/4"	DWDN20	\$0.99	D/AN20	\$1.95	D/AP20	\$1.95
21	.1590	2-1/8"	3-1/4"	DWDN21	\$0.98	D/AN21	\$1.79	D/AP21	\$1.79
22	.1570	2"	3-1/8"	DWDN22	\$0.98	D/AN22	\$1.79	D/AP22	\$1.79
23	.1540	2"	3-1/8"	DWDN23	\$0.94	D/AN23	\$1.75	D/AP23	\$1.75
24	.1520	2"	3-1/8"	DWDN24	\$0.94	D/AN24	\$1.75	D/AP24	\$1.75
25	.1495	1-7/8"	3"	DWDN25	\$0.91	D/AN25	\$1.57	D/AP25	\$1.57
26	.1470	1-7/8"	3"	DWDN26	\$0.91	D/AN26	\$1.57	D/AP26	\$1.57
27	.1440	1-7/8"	3"	DWDN27	\$0.91	D/AN27	\$1.57	D/AP27	\$1.57
28	.1405	1-3/4"	2-7/8"	DWDN28	\$0.83	D/AN28	\$1.47	D/AP28	\$1.47
29	.1360	1-3/4"	2-7/8"	DWDN29	\$0.83	D/AN29	\$1.47	D/AP29	\$1.47
30	.1285	1-5/8"	2-3/4"	DWDN30	\$0.83	D/AN30	\$1.43	D/AP30	\$1.43
31	.1200	1-5/8"	2-3/4"	DWDN31	\$0.83	D/AN31	\$1.31	D/AP31	\$1.31
32	.1160	1-5/8"	2-3/4"	DWDN32	\$0.83	D/AN32	\$1.31	D/AP32	\$1.31
33	.1130	1-1/2"	2-5/8"	DWDN33	\$0.83	D/AN33	\$1.31	D/AP33	\$1.31
34	.1110	1-1/2"	2-5/8"	DWDN34	\$0.83	D/AN34	\$1.31	D/AP34	\$1.31
35	.1100	1-1/2"	2-5/8"	DWDN35	\$0.83	D/AN35	\$1.31	D/AP35	\$1.31
36	.1065	1-7/16"	2-1/2"	DWDN36	\$0.83	D/AN36	\$1.31	D/AP36	\$1.31
37	.1040	1-7/16"	2-1/2"	DWDN37	\$0.83	D/AN37	\$1.31	D/AP37	\$1.31
38	.1015	1-7/16"	2-1/2"	DWDN38	\$0.83	D/AN38	\$1.31	D/AP38	\$1.31
39	.0995	1-3/8"	2-3/8"	DWDN39	\$0.83	D/AN39	\$1.31	D/AP39	\$1.31
40	.0980	1-3/8"	2-3/8"	DWDN40	\$0.83	D/AN40	\$1.31	D/AP40	\$1.31

HSS JOBBERS LENGTH DRILLS

118° POINT

W I R E G A U G E S I Z E S



				DWDN Series		D/AN Series		D/AP Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price	Part Number	List Price
41	.0960	1-3/8"	2-3/8"	DWDN41	\$0.94	D/AN41	\$1.31	D/AP41	\$1.31
42	.0935	1-1/4"	2-1/4"	DWDN42	\$0.94	D/AN42	\$1.31	D/AP42	\$1.31
43	.0890	1-1/4"	2-1/4"	DWDN43	\$0.94	D/AN43	\$1.31	D/AP43	\$1.31
44	.0860	1-1/8"	2-1/8"	DWDN44	\$0.94	D/AN44	\$1.31	D/AP44	\$1.31
45	.0820	1-1/8"	2-1/8"	DWDN45	\$0.94	D/AN45	\$1.40	D/AP45	\$1.40
46	.0810	1-1/8"	2-1/8"	DWDN46	\$0.94	D/AN46	\$1.40	D/AP46	\$1.40
47	.0785	1"	2"	DWDN47	\$0.94	D/AN47	\$1.40	D/AP47	\$1.40
48	.0760	1"	2"	DWDN48	\$0.94	D/AN48	\$1.40	D/AP48	\$1.40
49	.0730	1"	2"	DWDN49	\$0.94	D/AN49	\$1.40	D/AP49	\$1.40
50	.0700	1"	2"	DWDN50	\$0.94	D/AN50	\$1.40	D/AP50	\$1.40
51	.0670	1"	2"	DWDN51	\$0.94	D/AN51	\$1.40	D/AP51	\$1.40
52	.0635	7/8"	1-7/8"	DWDN52	\$0.94	D/AN52	\$1.40	D/AP52	\$1.40
53	.0595	7/8"	1-7/8"	DWDN53	\$0.94	D/AN53	\$1.40	D/AP53	\$1.40
54	.0550	7/8"	1-7/8"	DWDN54	\$0.94	D/AN54	\$1.40	D/AP54	\$1.40
55	.0520	7/8"	1-7/8"	DWDN55	\$0.94	D/AN55	\$1.40	D/AP55	\$1.40
56	.0465	3/4"	1-3/4"	DWDN56	\$0.94	D/AN56	\$1.40	D/AP56	\$1.40
57	.0430	3/4"	1-3/4"	DWDN57	\$0.94	D/AN57	\$1.54	D/AP57	\$1.54
58	.0420	11/16"	1-5/8"	DWDN58	\$0.94	D/AN58	\$1.60	D/AP58	\$1.60
59	.0410	11/16"	1-5/8"	DWDN59	\$0.94	D/AN59	\$1.60	D/AP59	\$1.60
60	.0400	11/16"	1-5/8"	DWDN60	\$0.94	D/AN60	\$1.60	D/AP60	\$1.60
61	.0390	11/16"	1-5/8"	DWDN61	\$1.01	D/AN61	\$1.71	D/AP61	\$1.71
62	.0380	5/8"	1-1/2"	DWDN62	\$1.01	D/AN62	\$1.71	D/AP62	\$1.71
63	.0370	5/8"	1-1/2"	DWDN63	\$1.01	D/AN63	\$1.71	D/AP63	\$1.71
64	.0360	5/8"	1-1/2"	DWDN64	\$1.01	D/AN64	\$1.71	D/AP64	\$1.71
65	.0350	5/8"	1-1/2"	DWDN65	\$1.01	D/AN65	\$1.71	D/AP65	\$1.71
66	.0330	1/2"	1-3/8"	DWDN66	\$1.01	D/AN66	\$1.71	D/AP66	\$1.71
67	.0320	1/2"	1-3/8"	DWDN67	\$1.01	D/AN67	\$1.71	D/AP67	\$1.71
68	.0310	1/2"	1-3/8"	DWDN68	\$1.01	D/AN68	\$1.71	D/AP68	\$1.71
69	.0292	1/2"	1-3/8"	DWDN69	\$1.01	D/AN69	\$2.10	D/AP69	\$2.10
70	.0280	3/8"	1-1/4"	DWDN70	\$1.01	D/AN70	\$2.10	D/AP70	\$2.10
71	.0260	3/8"	1-1/4"	DWDN71	\$1.38	D/AN71	\$2.10	D/AP71	\$2.10
72	.0250	5/16"	1-1/8"	DWDN72	\$1.38	D/AN72	\$2.10	D/AP72	\$2.10
73	.0240	5/16"	1-1/8"	DWDN73	\$1.38	D/AN73	\$2.10	D/AP73	\$2.10
74	.0225	1/4"	1"	DWDN74	\$1.38	D/AN74	\$2.10	D/AP74	\$2.10
75	.0210	1/4"	1"	DWDN75	\$1.38	D/AN75	\$2.33	D/AP75	\$2.33
76	.0200	3/16"	7/8"	DWDN76	\$1.38	D/AN76	\$2.33	D/AP76	\$2.33
77	.0180	3/16"	7/8"	DWDN77	\$1.38	D/AN77	\$2.33	D/AP77	\$2.33
78	.0160	3/16"	7/8"	DWDN78	\$1.38	D/AN78	\$2.33	D/AP78	\$2.33
79	.0145	1/8"	3/4"	DWDN79	\$1.38	D/AN79	\$2.33	D/AP79	\$2.33
80	.0135	1/8"	3/4"	DWDN80	\$1.38	D/AN80	\$2.33	D/AP80	\$2.33

HSS JOBBERS LENGTH DRILLS

135° SPLIT POINT

DWDSP Series - Economy

D/ASP Series - Premium Quality

Manufactured to National Aerospace Standard 907, these drills are ideal for portable or machine drilling of low tensile strength alloy materials. They have a black oxide surface treatment that is abrasion resistant, reduces chip welding and improves chip flow. The 135° split point is self-centering and reduces thrust.



KFD Series - Premium Quality

Manufactured from premium grade high speed steel, Killer Force Drills have a heavy duty 135° split point for self-centering and reducing thrust. Black and Gold surface treated for use in stainless steel and other hard metal drilling.

KFD3F - Contractor Grade

Manufactured from M1 High Speed Steel for use in a wide range of materials such as aluminum, iron and steel. They are gold and black surface treated with a 3-flat shank for extra secure hold in your chuck. Split point tip for self-centering and reducing thrust.

*Sizes smaller than 3/16" have a round shank.



F R A C T I O N A L S I Z E S

				DWDSP Series		D/ASP Series		KFD3F Series		KFD Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
1/16"	.0625	7/8"	1-7/8"	DWDSP1/16	\$1.23	D/ASP1/16	\$1.41	*KFD3F1/16	\$0.88	KFD1/16	\$1.09
5/64"	.0781	1"	2"	DWDSP5/64	\$1.23	D/ASP5/64	\$1.50	*KFD3F5/64	\$0.92	KFD5/64	\$1.14
3/32"	.0938	1-1/4"	2-1/4"	DWDSP3/32	\$1.23	D/ASP3/32	\$1.29	*KFD3F3/32	\$0.92	KFD3/32	\$1.14
7/64"	.1094	1-1/2"	2-5/8"	DWDSP7/64	\$1.31	D/ASP7/64	\$1.37	*KFD3F7/64	\$0.92	KFD7/64	\$1.14
1/8"	.1250	1-5/8"	2-3/4"	DWDSP1/8	\$1.23	D/ASP1/8	\$1.50	*KFD3F1/8	\$0.92	KFD1/8	\$1.14
9/64"	.1406	1-3/4"	2-7/8"	DWDSP9/64	\$1.38	D/ASP9/64	\$1.67	*KFD3F9/64	\$1.02	KFD9/64	\$1.27
5/32"	.1562	2"	3-1/8"	DWDSP5/32	\$1.47	D/ASP5/32	\$1.99	*KFD3F5/32	\$1.22	KFD5/32	\$1.52
11/64"	.1719	2-1/8"	3-1/4"	DWDSP11/64	\$1.55	D/ASP11/64	\$2.17	*KFD3F11/64	\$1.37	KFD11/64	\$1.71
3/16"	.1875	2-5/16"	3-1/2"	DWDSP3/16	\$1.72	D/ASP3/16	\$2.34	KFD3F3/16	\$1.44	KFD3/16	\$1.81
13/64"	.2031	2-7/16"	3-5/8"	DWDSP13/64	\$1.87	D/ASP13/64	\$2.69	KFD3F13/64	\$1.73	KFD13/64	\$2.16
7/32"	.2188	2-1/2"	3-3/4"	DWDSP7/32	\$2.17	D/ASP7/32	\$2.84	KFD3F7/32	\$1.83	KFD7/32	\$2.29
15/64"	.2344	2-5/8"	3-7/8"	DWDSP15/64	\$2.37	D/ASP15/64	\$3.16	KFD3F15/64	\$2.03	KFD15/64	\$2.55
1/4"	.2500	2-3/4"	4"	DWDSP1/4	\$2.42	D/ASP1/4	\$3.16	KFD3F1/4	\$2.04	KFD1/4	\$2.55
17/64"	.2656	2-7/8"	4-1/8"	DWDSP17/64	\$2.94	D/ASP17/64	\$4.32	KFD3F17/64	\$2.96	KFD17/64	\$3.70
9/32"	.2812	2-15/16"	4-1/4"	DWDSP9/32	\$3.03	D/ASP9/32	\$4.39	KFD3F9/32	\$3.08	KFD9/32	\$3.85
19/64"	.2969	3-1/16"	4-3/8"	DWDSP19/64	\$3.52	D/ASP19/64	\$5.21	KFD3F19/64	\$3.43	KFD19/64	\$4.29
5/16"	.3125	3-3/16"	4-1/2"	DWDSP5/16	\$3.81	D/ASP5/16	\$5.50	KFD3F5/16	\$3.51	KFD5/16	\$4.39
21/64"	.3281	3-5/16"	4-5/8"	DWDSP21/64	\$4.32	D/ASP21/64	\$6.14	KFD3F21/64	\$4.09	KFD21/64	\$5.10
11/32"	.3438	3-7/16"	4-3/4"	DWDSP11/32	\$4.77	D/ASP11/32	\$6.93	KFD3F11/32	\$4.73	KFD11/32	\$5.92
23/64"	.3594	3-1/2"	4-7/8"	DWDSP23/64	\$5.42	D/ASP23/64	\$7.61	KFD3F23/64	\$5.10	KFD23/64	\$6.38
3/8"	.3750	3-5/8"	5"	DWDSP3/8	\$5.43	D/ASP3/8	\$7.61	KFD3F3/8	\$5.10	KFD3/8	\$6.38
25/64"	.3906	3-3/4"	5-1/8"	DWDSP25/64	\$6.33	D/ASP25/64	\$8.96	KFD3F25/64	\$6.01	KFD25/64	\$7.51
13/32"	.4062	3-7/8"	5-1/4"	DWDSP13/32	\$6.50	D/ASP13/32	\$9.36	KFD3F13/32	\$6.29	KFD13/32	\$7.86
27/64"	.4219	3-15/16"	5-3/8"	DWDSP27/64	\$7.24	D/ASP27/64	\$10.43	KFD3F27/64	\$6.98	KFD27/64	\$8.72
7/16"	.4375	4-1/16"	5-1/2"	DWDSP7/16	\$7.35	D/ASP7/16	\$10.80	KFD3F7/16	\$7.50	KFD7/16	\$9.37
29/64"	.4531	4-3/16"	5-5/8"	DWDSP29/64	\$8.44	D/ASP29/64	\$12.19	KFD3F29/64	\$8.58	KFD29/64	\$10.73
15/32"	.4688	4-5/16"	5-3/4"	DWDSP15/32	\$8.83	D/ASP15/32	\$12.79	KFD3F15/32	\$9.31	KFD15/32	\$11.64
31/64"	.4844	4-3/8"	5-7/8"	DWDSP31/64	\$9.38	D/ASP31/64	\$13.69	KFD3F31/64	\$9.69	KFD31/64	\$12.12
1/2"	.5000	4-1/2"	6"	DWDSP1/2	\$9.52	D/ASP1/2	\$13.36	KFD3F1/2	\$9.42	KFD1/2	\$11.77

HSS JOBBERS LENGTH DRILLS 135° SPLIT POINT

LETTER SIZES

				DWDSP Series		D/ASP Series		KFD Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price	Part Number	List Price
A	.2340	2-5/8"	3-7/8"	DWDSPA	\$3.26	D/ASPA	\$3.86	KFDA	\$4.17
B	.2380	2-3/4"	4"	DWDSPB	\$3.26	D/ASPB	\$3.86	KFDB	\$4.17
C	.2420	2-3/4"	4"	DWDSPC	\$3.12	D/ASPC	\$3.67	KFDC	\$3.99
D	.2460	2-3/4"	4"	DWDSPD	\$3.12	D/ASPD	\$3.67	KFDD	\$3.99
E	.2500	2-3/4"	4"	DWDSP E	\$3.12	D/ASPE	\$3.67	KFDE	\$3.99
F	.2570	2-7/8"	4-1/8"	DWDSPF	\$3.54	D/ASPF	\$4.17	KFDF	\$4.53
G	.2610	2-7/8"	4-1/8"	DWDSPG	\$3.66	D/ASPG	\$4.31	KFDG	\$4.68
H	.2660	2-7/8"	4-1/8"	DWDSPH	\$3.78	D/ASPH	\$4.48	KFDH	\$4.80
I	.2720	2-7/8"	4-1/8"	DWDSPI	\$3.78	D/ASPI	\$4.48	KFDI	\$5.80
J	.2770	2-7/8"	4-1/8"	DWDSPJ	\$4.19	D/ASPJ	\$4.96	KFDJ	\$5.72
K	.2810	2-15/16"	4-1/4"	DWDSPK	\$4.52	D/ASPK	\$5.32	KFDK	\$5.72
L	.2900	2-15/16"	4-1/4"	DWDSP L	\$4.73	D/ASPL	\$5.58	KFDL	\$6.51
M	.2950	3-1/16"	4-3/8"	DWDSPM	\$5.01	D/ASPM	\$5.93	KFDM	\$6.91
N	.3020	3-1/16"	4-3/8"	DWDSPN	\$5.01	D/ASPN	\$5.93	KFDN	\$6.91
O	.3160	3-3/16"	4-1/2"	DWDSP O	\$5.01	D/ASPO	\$5.93	KFDO	\$6.91
P	.3230	3-5/16"	4-5/8"	DWDSP P	\$5.67	D/ASPP	\$6.67	KFDP	\$7.50
Q	.3320	3-7/16"	4-3/4"	DWDSPQ	\$5.67	D/AS PQ	\$6.67	KFDQ	\$7.50
R	.3390	3-7/16"	4-3/4"	DWDSP R	\$5.67	D/ASPR	\$6.67	KFDR	\$7.50
S	.3480	3-1/2"	4-7/8"	DWDSP S	\$6.50	D/ASPS	\$7.68	KFDS	\$8.75
T	.3580	3-1/2"	4-7/8"	DWDSP T	\$6.63	D/ASPT	\$7.82	KFDT	\$8.75
U	.3680	3-5/8"	5"	DWDSP U	\$7.13	D/ASPU	\$8.41	KFDU	\$9.46
V	.3770	3-5/8"	5"	DWDSP V	\$7.13	D/ASPV	\$8.41	KFDV	\$9.46
W	.3860	3-3/4"	5-1/8"	DWDSP W	\$7.66	D/ASPW	\$9.05	KFDW	\$10.12
X	.3970	3-3/4"	5-1/8"	DWDSP X	\$8.98	D/ASP X	\$10.61	KFDX	\$11.96
Y	.4040	3-7/8"	5-1/4"	DWDSP Y	\$9.68	D/ASPY	\$11.42	KFDY	\$12.75
Z	.4130	3-7/8"	5-1/4"	DWDSP Z	\$10.42	D/ASP Z	\$12.31	KFDZ	\$13.78



METRIC JOBBERS DRILLS 135° SPLIT POINT

KFDMM Series - Metric

Manufactured from premium grade high speed steel, Killer Force Drills have a heavy duty 135° split point for self-centering and reducing thrust. Black and Gold surface treated for use in stainless steel and other hard metal drilling.



METRIC SIZES

KFDMM Series						KFDMM Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
*1.00	.0394	17	41	KFDMM1.00	\$2.17	7.50	.2953	78	111	KFDMM7.50	\$6.03
*1.50	.0591	22	48	KFDMM1.50	\$1.86	8.00	.3150	81	114	KFDMM8.00	\$7.88
2.00	.0787	25	51	KFDMM2.00	\$1.71	8.50	.3346	87	121	KFDMM8.50	\$7.88
2.50	.0984	35	60	KFDMM2.50	\$1.71	9.00	.3543	89	124	KFDMM9.00	\$9.57
3.00	.1181	41	70	KFDMM3.00	\$2.01	9.50	.3740	92	127	KFDMM9.50	\$10.53
3.50	.1378	48	73	KFDMM3.50	\$2.14	10.00	.3937	95	130	KFDMM10.00	\$12.08
4.00	.1575	54	83	KFDMM4.00	\$2.45	10.50	.4134	98	133	KFDMM10.50	\$12.41
4.50	.1772	56	86	KFDMM4.50	\$2.89	11.00	.4331	103	140	KFDMM11.00	\$14.33
5.00	.1969	62	92	KFDMM5.00	\$3.27	11.50	.4528	106	143	KFDMM11.50	\$16.75
5.50	.2165	64	95	KFDMM5.50	\$3.55	12.00	.4724	111	149	KFDMM12.00	\$18.08
6.00	.2362	70	102	KFDMM6.00	\$4.39	12.50	.4921	114	152	KFDMM12.50	\$18.08
6.50	.2559	73	105	KFDMM6.50	\$5.18	13.00	.5118	114	152	KFDMM13.00	\$22.38
7.00	.2756	73	105	KFDMM7.00	\$6.03						

*118° Standard Point

HSS JOBBERS LENGTH DRILLS

135° SPLIT POINT

W I R E G A U G E S I Z E S

				DWDSP Series		D/ASP Series		KFD Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price	Part Number	List Price
1	.2280	2-5/8"	3-7/8"	DWDSP1	\$2.48	D/ASP1	\$3.23	KFD1	\$2.64
2	.2210	2-5/8"	3-7/8"	DWDSP2	\$2.48	D/ASP2	\$3.23	KFD2	\$2.64
3	.2130	2-1/2"	3-3/4"	DWDSP3	\$2.29	D/ASP3	\$2.96	KFD3	\$2.42
4	.2090	2-1/2"	3-3/4"	DWDSP4	\$2.29	D/ASP4	\$2.96	KFD4	\$2.42
5	.2055	2-1/2"	3-3/4"	DWDSP5	\$2.29	D/ASP5	\$2.96	KFD5	\$2.42
6	.2040	2-1/2"	3-3/4"	DWDSP6	\$2.29	D/ASP6	\$2.96	KFD6	\$2.42
7	.2010	2-7/16"	3-5/8"	DWDSP7	\$2.09	D/ASP7	\$2.78	KFD7	\$2.30
8	.1990	2-7/16"	3-5/8"	DWDSP8	\$2.09	D/ASP8	\$2.78	KFD8	\$2.30
9	.1960	2-7/16"	3-5/8"	DWDSP9	\$2.09	D/ASP9	\$2.78	KFD9	\$2.30
10	.1935	2-7/16"	3-5/8"	DWDSP10	\$1.99	D/ASP10	\$2.57	KFD10	\$2.13
11	.1910	2-5/16"	3-1/2"	DWDSP11	\$1.93	D/ASP11	\$2.57	KFD11	\$2.13
12	.1890	2-5/16"	3-1/2"	DWDSP12	\$1.93	D/ASP12	\$2.57	KFD12	\$2.13
13	.1850	2-5/16"	3-1/2"	DWDSP13	\$1.88	D/ASP13	\$2.57	KFD13	\$2.07
14	.1820	2-3/16"	3-3/8"	DWDSP14	\$1.88	D/ASP14	\$2.50	KFD14	\$1.97
15	.1800	2-3/16"	3-3/8"	DWDSP15	\$1.88	D/ASP15	\$2.50	KFD15	\$1.97
16	.1770	2-3/16"	3-3/8"	DWDSP16	\$1.88	D/ASP16	\$2.50	KFD16	\$1.97
17	.1730	2-3/16"	3-3/8"	DWDSP17	\$1.88	D/ASP17	\$2.26	KFD17	\$1.78
18	.1695	2-1/8"	3-1/4"	DWDSP18	\$1.55	D/ASP18	\$2.16	KFD18	\$1.78
19	.1660	2-1/8"	3-1/4"	DWDSP19	\$1.55	D/ASP19	\$2.16	KFD19	\$1.78
20	.1610	2-1/8"	3-1/4"	DWDSP20	\$1.55	D/ASP20	\$2.11	KFD20	\$1.67
21	.1590	2-1/8"	3-1/4"	DWDSP21	\$1.47	D/ASP21	\$2.07	KFD21	\$1.67
22	.1570	2"	3-1/8"	DWDSP22	\$1.47	D/ASP22	\$2.07	KFD22	\$1.65
23	.1540	2"	3-1/8"	DWDSP23	\$1.43	D/ASP23	\$1.99	KFD23	\$1.65
24	.1520	2"	3-1/8"	DWDSP24	\$1.43	D/ASP24	\$1.99	KFD24	\$1.65
25	.1495	1-7/8"	3"	DWDSP25	\$1.39	D/ASP25	\$1.81	KFD25	\$1.40
26	.1470	1-7/8"	3"	DWDSP26	\$1.39	D/ASP26	\$1.81	KFD26	\$1.40
27	.1440	1-7/8"	3"	DWDSP27	\$1.39	D/ASP27	\$1.81	KFD27	\$1.40
28	.1405	1-3/4"	2-7/8"	DWDSP28	\$1.26	D/ASP28	\$1.73	KFD28	\$1.38
29	.1360	1-3/4"	2-7/8"	DWDSP29	\$1.26	D/ASP29	\$1.73	KFD29	\$1.38
30	.1285	1-5/8"	2-3/4"	DWDSP30	\$1.26	D/ASP30	\$1.65	KFD30	\$1.28
31	.1200	1-5/8"	2-3/4"	DWDSP31	\$1.26	D/ASP31	\$1.53	KFD31	\$1.26
32	.1160	1-5/8"	2-3/4"	DWDSP32	\$1.26	D/ASP32	\$1.53	KFD32	\$1.26
33	.1130	1-1/2"	2-5/8"	DWDSP33	\$1.26	D/ASP33	\$1.53	KFD33	\$1.26
34	.1110	1-1/2"	2-5/8"	DWDSP34	\$1.26	D/ASP34	\$1.53	KFD34	\$1.26
35	.1100	1-1/2"	2-5/8"	DWDSP35	\$1.26	D/ASP35	\$1.53	KFD35	\$1.26
36	.1065	1-7/16"	2-1/2"	DWDSP36	\$1.26	D/ASP36	\$1.53	KFD36	\$1.26
37	.1040	1-7/16"	2-1/2"	DWDSP37	\$1.26	D/ASP37	\$1.53	KFD37	\$1.26
38	.1015	1-7/16"	2-1/2"	DWDSP38	\$1.26	D/ASP38	\$1.53	KFD38	\$1.26
39	.0995	1-3/8"	2-3/8"	DWDSP39	\$1.26	D/ASP39	\$1.53	KFD39	\$1.26
40	.0980	1-3/8"	2-3/8"	DWDSP40	\$1.26	D/ASP40	\$1.53	KFD40	\$1.26
41	.0960	1-3/8"	2-3/8"	DWDSP41	\$1.26	D/ASP41	\$1.53	KFD41	\$1.26
42	.0935	1-1/4"	2-1/4"	DWDSP42	\$1.26	D/ASP42	\$1.53	KFD42	\$1.26
43	.0890	1-1/4"	2-1/4"	DWDSP43	\$1.26	D/ASP43	\$1.53	KFD43	\$1.22
44	.0860	1-1/8"	2-1/8"	DWDSP44	\$1.26	D/ASP44	\$1.53	KFD44	\$1.22
45	.0820	1-1/8"	2-1/8"	DWDSP45	\$1.26	D/ASP45	\$1.53	KFD45	\$1.22
46	.0810	1-1/8"	2-1/8"	DWDSP46	\$1.26	D/ASP46	\$1.53	KFD46	\$1.22
47	.0785	1"	2"	DWDSP47	\$1.26	D/ASP47	\$1.53	KFD47	\$1.22
48	.0760	1"	2"	DWDSP48	\$1.26	D/ASP48	\$1.53	KFD48	\$1.22
49	.0730	1"	2"	DWDSP49	\$1.26	D/ASP49	\$1.53	KFD49	\$1.22
50	.0700	1"	2"	DWDSP50	\$1.26	D/ASP50	\$1.53	KFD50	\$1.22
51	.0670	1"	2"	DWDSP51	\$1.26	D/ASP51	\$1.53	KFD51	\$1.22
52	.0635	7/8"	1-7/8"	DWDSP52	\$1.26	D/ASP52	\$1.53	KFD52	\$1.18
*53	.0595	7/8"	1-7/8"	-	-	-	-	KFD53	\$1.18
*54	.0550	7/8"	1-7/8"	-	-	-	-	KFD54	\$1.18
*55	.0520	7/8"	1-7/8"	-	-	-	-	KFD55	\$1.18
*56	.0495	3/4"	1-3/4"	-	-	-	-	KFD56	\$1.18
*57	.0430	3/4"	1-3/4"	-	-	-	-	KFD57	\$1.18
*58	.0420	11/16"	1-5/8"	-	-	-	-	KFD58	\$1.18
*59	.0410	11/16"	1-5/8"	-	-	-	-	KFD59	\$1.18
*60	.0400	11/16"	1-5/8"	-	-	-	-	KFD60	\$1.18

*118° Standard Point



COBALT JOBBERS LENGTH DRILLS

135° SPLIT POINT

DWDCO Series - m35 Cobalt

D/ACO Series - m42 Cobalt

Manufactured to National Aerospace standard 907. Made of heat resistant cobalt, they display higher red hardness which permits speeds upto 30% greater than high speed steel drills and are especially effective in drilling tough, high tensile strength materials like PH stainless steel, inconel, and titanium. The 135° split point is self-centering and reduces thrust. Sizes smaller than 1/16" have the 118° standard point.



F R A C T I O N A L S I Z E S

				DWDCO Series		D/ACO Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
*1/64"	.0156	3/16"	3/4"	DWDCO1/64	\$3.12	D/ACO1/64	\$4.28
*1/32"	.0312	1/2"	1-3/8"	DWDCO1/32	\$2.48	D/ACO1/32	\$3.40
*3/64"	.0469	3/4"	1-3/4"	DWDCO3/64	\$1.83	D/ACO3/64	\$2.51
1/16"	.0625	7/8"	1-7/8"	DWDCO1/16	\$1.74	D/ACO1/16	\$2.20
5/64"	.0781	1"	2"	DWDCO5/64	\$1.74	D/ACO5/64	\$2.20
3/32"	.0938	1-1/4"	2-1/4"	DWDCO3/32	\$1.74	D/ACO3/32	\$2.20
7/64"	.1094	1-1/2"	2-5/8"	DWDCO7/64	\$1.83	D/ACO7/64	\$2.29
1/8"	.1250	1-5/8"	2-3/4"	DWDCO1/8	\$2.27	D/ACO1/8	\$2.80
9/64"	.1406	1-3/4"	2-7/8"	DWDCO9/64	\$2.27	D/ACO9/64	\$2.83
5/32"	.1562	2"	3-1/8"	DWDCO5/32	\$2.52	D/ACO5/32	\$3.48
11/64"	.1719	2-1/8"	3-1/4"	DWDCO11/64	\$2.67	D/ACO11/64	\$3.74
3/16"	.1875	2-5/16"	3-1/2"	DWDCO3/16	\$2.99	D/ACO3/16	\$4.10
13/64"	.2031	2-7/16"	3-5/8"	DWDCO13/64	\$3.59	D/ACO13/64	\$4.91
7/32"	.2188	2-1/2"	3-3/4"	DWDCO7/32	\$3.92	D/ACO7/32	\$5.56
15/64"	.2344	2-5/8"	3-7/8"	DWDCO15/64	\$4.19	D/ACO15/64	\$5.88
1/4"	.2500	2-3/4"	4"	DWDCO1/4	\$4.46	D/ACO1/4	\$6.15
17/64"	.2656	2-7/8"	4-1/8"	DWDCO17/64	\$5.25	D/ACO17/64	\$7.62
9/32"	.2812	2-15/16"	4-1/4"	DWDCO9/32	\$5.50	D/ACO9/32	\$8.46
19/64"	.2969	3-1/16"	4-3/8"	DWDCO19/64	\$6.70	D/ACO19/64	\$9.20
5/16"	.3125	3-3/16"	4-1/2"	DWDCO5/16	\$7.14	D/ACO5/16	\$9.81
21/64"	.3281	3-5/16"	4-5/8"	DWDCO21/64	\$7.97	D/ACO21/64	\$11.04
11/32"	.3438	3-7/16"	4-3/4"	DWDCO11/32	\$8.72	D/ACO11/32	\$11.89
23/64"	.3594	3-1/2"	4-7/8"	DWDCO23/64	\$10.05	D/ACO23/64	\$14.02
3/8"	.3750	3-5/8"	5"	DWDCO3/8	\$10.05	D/ACO3/8	\$13.68
25/64"	.3906	3-3/4"	5-1/8"	DWDCO25/64	\$11.53	D/ACO25/64	\$15.92
13/32"	.4062	3-7/8"	5-1/4"	DWDCO13/32	\$12.03	D/ACO13/32	\$16.92
27/64"	.4219	3-15/16"	5-3/8"	DWDCO27/64	\$13.29	D/ACO27/64	\$18.26
7/16"	.4375	4-1/16"	5-1/2"	DWDCO7/16	\$14.14	D/ACO7/16	\$18.92
29/64"	.4531	4-3/16"	5-5/8"	DWDCO29/64	\$17.30	D/ACO29/64	\$22.62
15/32"	.4688	4-5/16"	5-3/4"	DWDCO15/32	\$17.63	D/ACO15/32	\$23.16
31/64"	.4844	4-3/8"	5-7/8"	DWDCO31/64	\$18.16	D/ACO31/64	\$24.44
1/2"	.5000	4-1/2"	6"	DWDCO1/2	\$18.16	D/ACO1/2	\$23.88

*118° Standard Point

COBALT JOBBERS LENGTH DRILLS

135° SPLIT POINT

W I R E G A U G E S I Z E S

				DWDCO Series		D/ACO Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
1	.2280	2-5/8"	3-7/8"	DWDCO1	\$4.69	D/ACO1	\$6.43
2	.2210	2-5/8"	3-7/8"	DWDCO2	\$4.69	D/ACO2	\$6.43
3	.2130	2-1/2"	3-3/4"	DWDCO3	\$4.39	D/ACO3	\$6.04
4	.2090	2-1/2"	3-3/4"	DWDCO4	\$4.39	D/ACO4	\$6.04
5	.2055	2-1/2"	3-3/4"	DWDCO5	\$4.39	D/ACO5	\$6.04
6	.2040	2-1/2"	3-3/4"	DWDCO6	\$4.39	D/ACO6	\$6.04
7	.2010	2-7/16"	3-5/8"	DWDCO7	\$3.41	D/ACO7	\$4.71
8	.1990	2-7/16"	3-5/8"	DWDCO8	\$3.41	D/ACO8	\$4.71
9	.1960	2-7/16"	3-5/8"	DWDCO9	\$3.41	D/ACO9	\$4.71
10	.1935	2-7/16"	3-5/8"	DWDCO10	\$3.41	D/ACO10	\$4.71
11	.1910	2-5/16"	3-1/2"	DWDCO11	\$3.41	D/ACO11	\$4.71
12	.1890	2-5/16"	3-1/2"	DWDCO12	\$3.41	D/ACO12	\$4.71
13	.1850	2-5/16"	3-1/2"	DWDCO13	\$3.28	D/ACO13	\$4.49
14	.1820	2-3/16"	3-3/8"	DWDCO14	\$3.28	D/ACO14	\$4.49
15	.1800	2-3/16"	3-3/8"	DWDCO15	\$3.28	D/ACO15	\$4.49
16	.1770	2-3/16"	3-3/8"	DWDCO16	\$3.04	D/ACO16	\$4.17
17	.1730	2-3/16"	3-3/8"	DWDCO17	\$2.99	D/ACO17	\$4.07
18	.1695	2-1/8"	3-1/4"	DWDCO18	\$2.72	D/ACO18	\$3.64
19	.1660	2-1/8"	3-1/4"	DWDCO19	\$2.64	D/ACO19	\$3.64
20	.1610	2-1/8"	3-1/4"	DWDCO20	\$2.64	D/ACO20	\$3.64
21	.1590	2-1/8"	3-1/4"	DWDCO21	\$2.63	D/ACO21	\$3.64
22	.1570	2"	3-1/8"	DWDCO22	\$2.63	D/ACO22	\$3.64
23	.1540	2"	3-1/8"	DWDCO23	\$2.63	D/ACO23	\$3.64
24	.1520	2"	3-1/8"	DWDCO24	\$2.63	D/ACO24	\$3.64
25	.1495	1-7/8"	3"	DWDCO25	\$2.41	D/ACO25	\$3.29
26	.1470	1-7/8"	3"	DWDCO26	\$2.39	D/ACO26	\$3.26
27	.1440	1-7/8"	3"	DWDCO27	\$2.39	D/ACO27	\$3.26
28	.1405	1-3/4"	2-7/8"	DWDCO28	\$2.24	D/ACO28	\$3.04
29	.1360	1-3/4"	2-7/8"	DWDCO29	\$2.16	D/ACO29	\$2.96
30	.1285	1-5/8"	2-3/4"	DWDCO30	\$2.02	D/ACO30	\$2.78
31	.1200	1-5/8"	2-3/4"	DWDCO31	\$2.00	D/ACO31	\$2.75
32	.1160	1-5/8"	2-3/4"	DWDCO32	\$1.97	D/ACO32	\$2.70
33	.1130	1-1/2"	2-5/8"	DWDCO33	\$1.89	D/ACO33	\$2.62
34	.1110	1-1/2"	2-5/8"	DWDCO34	\$1.89	D/ACO34	\$2.62
35	.1100	1-1/2"	2-5/8"	DWDCO35	\$1.89	D/ACO35	\$2.62
36	.1065	1-7/16"	2-1/2"	DWDCO36	\$1.86	D/ACO36	\$2.54
37	.1040	1-7/16"	2-1/2"	DWDCO37	\$1.86	D/ACO37	\$2.54
38	.1015	1-7/16"	2-1/2"	DWDCO38	\$1.73	D/ACO38	\$2.37
39	.0995	1-3/8"	2-3/8"	DWDCO39	\$1.73	D/ACO39	\$2.37
40	.0980	1-3/8"	2-3/8"	DWDCO40	\$1.73	D/ACO40	\$2.37
41	.0960	1-3/8"	2-3/8"	DWDCO41	\$1.71	D/ACO41	\$2.32
42	.0935	1-1/4"	2-1/4"	DWDCO42	\$1.69	D/ACO42	\$2.29
43	.0890	1-1/4"	2-1/4"	DWDCO43	\$1.69	D/ACO43	\$2.29
44	.0860	1-1/8"	2-1/8"	DWDCO44	\$1.69	D/ACO44	\$2.29
45	.0820	1-1/8"	2-1/8"	DWDCO45	\$1.69	D/ACO45	\$2.29
46	.0810	1-1/8"	2-1/8"	DWDCO46	\$1.69	D/ACO46	\$2.29
47	.0785	1"	2"	DWDCO47	\$1.69	D/ACO47	\$2.29
48	.0760	1"	2"	DWDCO48	\$1.69	D/ACO48	\$2.29
49	.0730	1"	2"	DWDCO49	\$1.69	D/ACO49	\$2.29
50	.0700	1"	2"	DWDCO50	\$1.69	D/ACO50	\$2.29
51	.0670	1"	2"	DWDCO51	\$1.69	D/ACO51	\$2.29
52	.0635	7/8"	1-7/8"	DWDCO52	\$1.69	D/ACO52	\$2.29
*53	.0595	7/8"	1-7/8"	DWDCO53	\$1.90	D/ACO53	\$2.50
*54	.0550	7/8"	1-7/8"	DWDCO54	\$1.90	D/ACO54	\$2.50
*55	.0520	7/8"	1-7/8"	DWDCO55	\$1.90	D/ACO55	\$2.50
*56	.0465	3/4"	1-3/4"	DWDCO56	\$2.14	D/ACO56	\$2.89
*57	.0430	3/4"	1-3/4"	DWDCO57	\$2.14	D/ACO57	\$2.89
*58	.0420	11/16"	1-5/8"	DWDCO58	\$2.14	D/ACO58	\$2.89
*59	.0410	11/16"	1-5/8"	DWDCO59	\$2.14	D/ACO59	\$2.89
*60	.0400	11/16"	1-5/8"	DWDCO60	\$2.14	D/ACO60	\$2.89

*118° Standard Point



COBALT JOBBERS LENGTH DRILLS

135° SPLIT POINT

W I R E G A U G E S I Z E S

				DWDCO Series		D/ACO Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
*61	.0390	11/16"	1-5/8"	DWDCO61	\$2.78	D/ACO61	\$4.39
*62	.0380	5/8"	1-1/2"	DWDCO62	\$2.78	D/ACO62	\$4.39
*63	.0370	5/8"	1-1/2"	DWDCO63	\$2.78	D/ACO63	\$4.39
*64	.0360	5/8"	1-1/2"	DWDCO64	\$2.78	D/ACO64	\$4.39
*65	.0350	5/8"	1-1/2"	DWDCO65	\$2.78	D/ACO65	\$4.39
*66	.0330	1/2"	1-3/8"	DWDCO66	\$2.94	D/ACO66	\$4.61
*67	.0320	1/2"	1-3/8"	DWDCO67	\$2.94	D/ACO67	\$4.61
*68	.0310	1/2"	1-3/8"	DWDCO68	\$2.94	D/ACO68	\$4.61
*69	.0292	1/2"	1-3/8"	DWDCO69	\$3.32	D/ACO69	\$5.23
*70	.0280	3/8"	1-1/4"	DWDCO70	\$3.32	D/ACO70	\$5.23
*71	.0260	3/8"	1-1/4"	DWDCO71	\$3.32	D/ACO71	\$5.23
*72	.0250	5/16"	1-1/8"	DWDCO72	\$3.32	D/ACO72	\$5.23
*73	.0240	5/16"	1-1/8"	DWDCO73	\$3.32	D/ACO73	\$5.23
*74	.0225	1/4"	1"	DWDCO74	\$3.32	D/ACO74	\$5.23
*75	.0210	1/4"	1"	DWDCO75	\$3.66	D/ACO75	\$5.78
*76	.0200	3/16"	7/8"	DWDCO76	\$3.66	D/ACO76	\$5.78
*77	.0180	3/16"	7/8"	DWDCO77	\$3.66	D/ACO77	\$5.78
*78	.0160	3/16"	7/8"	DWDCO78	\$3.66	D/ACO78	\$5.78
*79	.0145	1/8"	3/4"	DWDCO79	\$3.66	D/ACO79	\$5.78
*80	.0135	1/8"	3/4"	DWDCO80	\$3.66	D/ACO80	\$5.78

*118° Standard Point

L E T T E R S I Z E S

				DWDCO Series		D/ACO Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
A	.2340	2-5/8"	3-7/8"	DWDCOA	\$4.92	D/ACOA	\$6.80
B	.2380	2-3/4"	4"	DWDCOB	\$5.66	D/ACOB	\$7.83
C	.2420	2-3/4"	4"	DWDCOC	\$5.66	D/ACOC	\$7.83
D	.2460	2-3/4"	4"	DWDCOD	\$6.38	D/ACOD	\$8.82
E	.2500	2-3/4"	4"	DWDCOE	\$4.97	D/ACOE	\$6.86
F	.2570	2-7/8"	4-1/8"	DWDCOF	\$5.61	D/ACOF	\$7.74
G	.2610	2-7/8"	4-1/8"	DWDCOG	\$5.66	D/ACOG	\$7.83
H	.2660	2-7/8"	4-1/8"	DWDCOH	\$6.38	D/ACOH	\$8.82
I	.2720	2-7/8"	4-1/8"	DWDCOI	\$5.98	D/ACOI	\$8.23
J	.2770	2-7/8"	4-1/8"	DWDCOJ	\$6.38	D/ACOJ	\$8.82
K	.2810	2-15/16"	4-1/4"	DWDCOK	\$6.38	D/ACOK	\$8.82
L	.2900	2-15/16"	4-1/4"	DWDCOL	\$7.24	D/ACOL	\$10.01
M	.2950	3-1/16"	4-3/8"	DWDCOM	\$7.69	D/ACOM	\$10.61
N	.3020	3-1/16"	4-3/8"	DWDCON	\$7.69	D/ACON	\$10.61
O	.3160	3-3/16"	4-1/2"	DWDCOO	\$8.47	D/ACOO	\$11.71
P	.3230	3-5/16"	4-5/8"	DWDCOP	\$9.02	D/ACOP	\$12.43
Q	.3320	3-7/16"	4-3/4"	DWDCOQ	\$9.34	D/ACOQ	\$12.89
R	.3390	3-7/16"	4-3/4"	DWDCOR	\$9.34	D/ACOR	\$12.89
S	.3480	3-1/2"	4-7/8"	DWDCOS	\$11.45	D/ACOS	\$15.81
T	.3580	3-1/2"	4-7/8"	DWDCOT	\$11.45	D/ACOT	\$15.81
U	.3680	3-5/8"	5"	DWDCOU	\$11.45	D/ACOU	\$15.81
V	.3770	3-5/8"	5"	DWDCOV	\$12.64	D/ACOV	\$17.44
W	.3860	3-3/4"	5-1/8"	DWDCOW	\$13.00	D/ACOW	\$17.44
X	.3970	3-3/4"	5-1/8"	DWDCOX	\$13.00	D/ACOX	\$17.44
Y	.4040	3-7/8"	5-1/4"	DWDCOY	\$13.77	D/ACOY	\$18.48
Z	.4130	3-7/8"	5-1/4"	DWDCOZ	\$14.99	D/ACOZ	\$20.11



STEPPED POINT COBALT DRILL BITS

GSC Series - Gold Stepped Point Cobalt Drill Bits

Stepped Point Cobalt Drill Bits start easier, drill faster, increase lifespan and reduce heat compared to standard drill bits. They can be used to enlarge existing holes or to create new, smoother holes in a wide range of materials such as acrylics, steel, metal, brass and other hard metals. These drills have a 135 degree split point tip and a 3 -flat shank to prevent spinning. *Sizes 11/64" and smaller have a round shank. 29 Piece Set comes in a round plastic case.

GSC Series				
Size	Dec. Equiv.	O.A.L.	SKU	List Price
*1/8"	0.1250	2-3/4"	GSC1/8	\$3.75
*9/64"	0.1406	2-7/8"	GSC9/64	\$3.75
*5/32"	0.1562	3-1/8"	GSC5/32	\$4.17
*11/64"	0.1719	3-1/4"	GSC11/64	\$5.58
3/16"	0.1875	3-1/2"	GSC3/16	\$6.25
13/64"	0.2031	3-5/8"	GSC13/64	\$6.25
7/32"	0.2188	3-3/4"	GSC7/32	\$8.00
15/64"	0.2344	3-7/8"	GSC15/64	\$9.08
1/4"	0.2500	4"	GSC1/4	\$9.67
17/64"	0.2656	4-1/8"	GSC17/64	\$11.67
9/32"	0.2812	4-1/4"	GSC9/32	\$13.50
19/64"	0.2969	4-3/8"	GSC19/64	\$13.50
5/16"	0.3125	4-1/2"	GSC5/16	\$16.17
21/64"	0.3281	4-5/8"	GSC21/64	\$17.75
11/32"	0.3438	4-3/4"	GSC11/32	\$20.17
23/64"	0.3594	4-7/8"	GSC23/64	\$22.17
3/8"	0.3750	5"	GSC3/8	\$22.17
25/64"	0.3906	5-1/8"	GSC25/64	\$24.67
13/32"	0.4062	5-1/4"	GSC13/32	\$27.33
27/64"	0.4219	5-3/8"	GSC27/64	\$31.08
7/16"	0.4375	5-1/2"	GSC7/16	\$33.33
29/64"	0.4531	5-5/8"	GSC29/64	\$33.75
15/32"	0.4688	5-3/4"	GSC15/32	\$38.50
31/64"	0.4844	5-7/8"	GSC31/64	\$41.00
1/2"	0.5000	6"	GSC1/2	\$43.42
*Set	--	--	GSC29J-PC	\$501.00



QUICK CHANGE HEX SHANK DRILL BITS

KFDHEX Series - HSS Quick Change Hex Shank Drill Bits

Manufactured from premium grade high speed steel, Killer Force Drills have a heavy duty 135° split point for self-centering and reducing thrust. Black and Gold surface treated for use in stainless steel and other hard metal drilling. 1/4" hex shank can be used in quick change impact drivers.



COHEX Series - Cobalt Quick Change Hex Shank Drill Bits

Manufactured to National Aerospace standard 907. Made of heat resistant cobalt, they display higher red hardness which permits speeds upto 30% greater than high speed steel drills and are especially effective in drilling tough, high tensile strength materials like PH stainless steel, inconel, and titanium. The 135° split point is self-centering and reduces thrust. Sizes smaller than 1/16" have the 118° standard point. 1/4" hex shank can be used in quick change impact drivers.



				KFDHEX Series		COHEX Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
3/64"	.0469	3/4"	1-3/4"	KFDHEX3/64	\$1.68	COHEX3/64	\$2.66
1/16"	.0625	7/8"	1-7/8"	KFDHEX1/16	\$1.68	COHEX1/16	\$2.53
5/64"	.0781	1"	2"	KFDHEX5/64	\$1.77	COHEX5/64	\$2.53
3/32"	.0938	1-1/4"	2-1/4"	KFDHEX3/32	\$1.77	COHEX3/32	\$2.53
7/64"	.1094	1-1/2"	2-5/8"	KFDHEX7/64	\$1.77	COHEX7/64	\$2.66
1/8"	.1250	1-5/8"	2-3/4"	KFDHEX1/8	\$1.77	COHEX1/8	\$3.30
9/64"	.1406	1-3/4"	2-7/8"	KFDHEX9/64	\$1.97	COHEX9/64	\$3.30
5/32"	.1562	2"	3-1/8"	KFDHEX5/32	\$2.34	COHEX5/32	\$3.67
11/64"	.1719	2-1/8"	3-1/4"	KFDHEX11/64	\$2.63	COHEX11/64	\$3.88
3/16"	.1875	2-5/16"	3-1/2"	KFDHEX3/16	\$2.79	COHEX3/16	\$4.43
13/64"	.2031	2-7/16"	3-5/8"	KFDHEX13/64	\$3.33	COHEX13/64	\$5.22
7/32"	.2188	2-1/2"	3-3/4"	KFDHEX7/32	\$3.53	COHEX7/32	\$5.70
15/64"	.2344	2-5/8"	3-7/8"	KFDHEX15/64	\$3.92	COHEX15/64	\$6.08
1/4"	.2500	2-3/4"	4"	KFDHEX1/4	\$5.09	COHEX1/4	\$6.48
17/64"	.2656	2-7/8"	4-1/8"	KFDHEX17/64	\$5.69	COHEX17/64	\$7.62
9/32"	.2812	2-15/16"	4-1/4"	KFDHEX9/32	\$5.93	COHEX9/32	\$7.99
19/64"	.2969	3-1/16"	4-3/8"	KFDHEX19/64	\$6.60	COHEX19/64	\$9.73
5/16"	.3125	3-3/16"	4-1/2"	KFDHEX5/16	\$6.75	COHEX5/16	\$10.38
21/64"	.3281	3-5/16"	4-5/8"	KFDHEX21/64	\$7.86	COHEX21/64	\$11.58
11/32"	.3438	3-7/16"	4-3/4"	KFDHEX11/32	\$9.11	COHEX11/32	\$12.67
23/64"	.3594	3-1/2"	4-7/8"	KFDHEX23/64	\$9.83	COHEX23/64	\$14.60
3/8"	.3750	3-5/8"	5"	KFDHEX3/8	\$9.83	COHEX3/8	\$14.60
25/64"	.3906	3-3/4"	5-1/8"	KFDHEX25/64	\$11.57	COHEX25/64	\$16.76
13/32"	.4062	3-7/8"	5-1/4"	KFDHEX13/32	\$12.11	COHEX13/32	\$17.48
27/64"	.4219	3-15/16"	5-3/8"	KFDHEX27/64	\$13.43	COHEX27/64	\$19.31
7/16"	.4375	4-1/16"	5-1/2"	KFDHEX7/16	\$14.43	COHEX7/16	\$20.54
29/64"	.4531	4-3/16"	5-5/8"	KFDHEX29/64	\$16.52	COHEX29/64	\$25.13
15/32"	.4688	4-5/16"	5-3/4"	KFDHEX15/32	\$17.92	COHEX15/32	\$25.61
31/64"	.4844	4-3/8"	5-7/8"	KFDHEX31/64	\$18.67	COHEX31/64	\$26.38
1/2"	.5000	4-1/2"	6"	KFDHEX1/2	\$18.13	COHEX1/2	\$26.38
13 PC SET	-	-	-	KFDHEX13-PC	\$37.77	COHEX13-SET	\$55.16
15 PC SET	-	-	-	KFDHEX15-PC	\$128.40	COHEX15-SET	\$154.16
29 PC SET	-	-	-	KFDHEX29-PC	\$235.40	COHEX29-SET	\$307.87

KFD BLACK & GOLD DRILL BITS IN HANGING SLEEVE

SLK Series- Point of Purchase KFD Premium Quality Drill Bits

Manufactured from premium grade high speed steel, Killer Force Drills have a heavy duty 135° split point for self-centering and reducing thrust. Black and Gold surface treated for use in stainless steel and other hard metal drilling. Drills come in hanging sleeves in small quantities for point of purchase sale.

					SLK Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Pack Qty	Part Number	List Price
1/16"	.0625	7/8"	1-7/8"	3	SLK1/16P3	\$4.17
5/64"	.0781	1"	2"	3	SLK5/64P3	\$4.37
3/32"	.0938	1-1/4"	2-1/4"	3	SLK3/32P3	\$4.37
7/64"	.1094	1-1/2"	2-5/8"	3	SLK7/64P3	\$4.37
1/8"	.1250	1-5/8"	2-3/4"	3	SLK1/8P3	\$4.37
9/64"	.1406	1-3/4"	2-7/8"	2	SLK9/64P2	\$3.26
5/32"	.1562	2"	3-1/8"	2	SLK5/32P2	\$3.87
11/64"	.1719	2-1/8"	3-1/4"	2	SLK11/64P2	\$4.35
3/16"	.1875	2-5/16"	3-1/2"	2	SLK3/16P2	\$4.60
13/64"	.2031	2-7/16"	3-5/8"	2	SLK13/64P2	\$5.48
7/32"	.2188	2-1/2"	3-3/4"	2	SLK7/32P2	\$5.80
15/64"	.2344	2-5/8"	3-7/8"	2	SLK15/64P2	\$6.44
1/4"	.2500	2-3/4"	4"	2	SLK1/4P2	\$6.44
17/64"	.2656	2-7/8"	4-1/8"	1	SLK17/64P1	\$4.71
9/32"	.2812	2-15/16"	4-1/4"	1	SLK9/32P1	\$4.89
19/64"	.2969	3-1/16"	4-3/8"	1	SLK19/64P1	\$5.47
5/16"	.3125	3-3/16"	4-1/2"	1	SLK5/16P1	\$5.60
21/64"	.3281	3-5/16"	4-5/8"	1	SLK21/64P1	\$6.48
11/32"	.3438	3-7/16"	4-3/4"	1	SLK11/32P1	\$7.50
23/64"	.3594	3-1/2"	4-7/8"	1	SLK23/64P1	\$8.08
3/8"	.3750	3-5/8"	5"	1	SLK3/8P1	\$8.08
25/64"	.3906	3-3/4"	5-1/8"	1	SLK25/64P1	\$9.50
13/32"	.4062	3-7/8"	5-1/4"	1	SLK13/32P1	\$9.94
27/64"	.4219	3-15/16"	5-3/8"	1	SLK27/64P1	\$11.01
7/16"	.4375	4-1/16"	5-1/2"	1	SLK7/16P1	\$11.82
29/64"	.4531	4-3/16"	5-5/8"	1	SLK29/64P1	\$13.52
15/32"	.4688	4-5/16"	5-3/4"	1	SLK15/32P1	\$14.66
31/64"	.4844	4-3/8"	5-7/8"	1	SLK31/64P1	\$15.26
1/2"	.5000	4-1/2"	6"	1	SLK1/2P1	\$14.82



HSS METRIC JOBBERS DRILLS

118° POINT

DWDMM Series - Metric

A dependable, general purpose drill designed to perform in a broad range of materials in the iron and steel families. Ideal for production, maintenance or portable drilling jobs. Surface treated with abrasion-resistant black oxide.



M E T R I C S I Z E S

DWDMM Series						DWDMM Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
.30	.0118	3	19	DWDMM.30	\$2.05	3.10	.1220	41	65	DWDMM3.10	\$1.20
.35	.0138	3	19	DWDMM.35	\$1.82	3.15	.1240	41	65	DWDMM3.15	\$1.20
.40	.0157	5	20	DWDMM.40	\$1.62	3.20	.1260	41	65	DWDMM3.20	\$1.30
.45	.0177	5	20	DWDMM.45	\$1.62	3.25	.1280	41	65	DWDMM3.25	\$1.30
.50	.0197	5	22	DWDMM.50	\$1.57	3.30	.1299	44	65	DWDMM3.30	\$1.30
.55	.0217	6	24	DWDMM.55	\$1.57	3.35	.1319	44	70	DWDMM3.35	\$1.30
.60	.0236	8	24	DWDMM.60	\$1.57	3.40	.1339	44	70	DWDMM3.40	\$1.39
.65	.0256	10	26	DWDMM.65	\$1.57	3.45	.1358	44	70	DWDMM3.45	\$1.39
.70	.0276	10	28	DWDMM.70	\$1.41	3.50	.1378	44	70	DWDMM3.50	\$1.39
.75	.0295	13	28	DWDMM.75	\$1.29	3.55	.1397	48	70	DWDMM3.55	\$1.41
.80	.0315	13	30	DWDMM.80	\$1.17	3.60	.1417	48	70	DWDMM3.60	\$1.41
.85	.0335	16	30	DWDMM.85	\$1.17	3.65	.1437	48	70	DWDMM3.65	\$1.41
.90	.0354	16	32	DWDMM.90	\$1.17	3.70	.1457	48	70	DWDMM3.70	\$1.41
.95	.0374	16	32	DWDMM.95	\$1.17	3.75	.1476	48	75	DWDMM3.75	\$1.41
1.00	.0394	17	34	DWDMM1.00	\$1.14	3.80	.1496	48	75	DWDMM3.80	\$1.41
1.05	.0413	17	34	DWDMM1.05	\$1.14	3.85	.1516	51	75	DWDMM3.85	\$1.41
1.10	.0433	19	36	DWDMM1.10	\$1.14	3.90	.1535	51	75	DWDMM3.90	\$1.41
1.15	.0453	19	36	DWDMM1.15	\$1.14	3.95	.1555	51	75	DWDMM3.95	\$1.51
1.20	.0472	22	38	DWDMM1.20	\$1.11	4.00	.1575	54	75	DWDMM4.00	\$1.51
1.25	.0492	22	38	DWDMM1.25	\$1.11	4.05	.1594	54	75	DWDMM4.05	\$1.51
1.30	.0512	22	38	DWDMM1.30	\$1.11	4.10	.1614	54	75	DWDMM4.10	\$1.51
1.35	.0531	22	40	DWDMM1.35	\$1.11	4.20	.1654	54	75	DWDMM4.20	\$1.51
1.40	.0551	22	40	DWDMM1.40	\$1.11	4.25	.1673	54	80	DWDMM4.25	\$1.51
1.45	.0571	22	40	DWDMM1.45	\$1.11	4.30	.1693	54	80	DWDMM4.30	\$1.51
1.50	.0591	22	40	DWDMM1.50	\$1.11	4.35	.1713	54	80	DWDMM4.35	\$1.51
1.55	.0610	22	43	DWDMM1.55	\$1.11	4.40	.1732	56	80	DWDMM4.40	\$1.57
1.60	.0630	22	43	DWDMM1.60	\$1.11	4.50	.1772	56	80	DWDMM4.50	\$1.57
1.65	.0650	25	43	DWDMM1.65	\$1.11	4.60	.1811	56	80	DWDMM4.60	\$1.57
1.70	.0669	25	43	DWDMM1.70	\$1.11	4.65	.1831	56	80	DWDMM4.65	\$1.57
1.75	.0689	25	46	DWDMM1.75	\$1.11	4.70	.1850	59	80	DWDMM4.70	\$1.57
1.80	.0709	25	46	DWDMM1.80	\$1.11	4.75	.1870	59	86	DWDMM4.75	\$1.82
1.85	.0728	25	46	DWDMM1.85	\$1.11	4.80	.1890	59	86	DWDMM4.80	\$1.82
1.90	.0748	25	46	DWDMM1.90	\$1.11	4.85	.1909	62	86	DWDMM4.85	\$1.82
1.95	.0768	25	49	DWDMM1.95	\$1.11	4.90	.1929	62	86	DWDMM4.90	\$1.82
2.00	.0787	25	49	DWDMM2.00	\$1.11	5.00	.1969	62	86	DWDMM5.00	\$1.82
2.05	.0807	29	49	DWDMM2.05	\$1.11	5.10	.2008	62	86	DWDMM5.10	\$1.82
2.10	.0827	29	49	DWDMM2.10	\$1.11	5.20	.2047	64	86	DWDMM5.20	\$1.93
2.15	.0846	29	53	DWDMM2.15	\$1.11	5.25	.2067	64	86	DWDMM5.25	\$1.93
2.20	.0866	32	53	DWDMM2.20	\$1.11	5.30	.2087	64	86	DWDMM5.30	\$1.93
2.25	.0886	32	53	DWDMM2.25	\$1.11	5.40	.2126	64	93	DWDMM5.40	\$2.13
2.30	.0906	32	53	DWDMM2.30	\$1.11	5.50	.2165	64	93	DWDMM5.50	\$2.13
2.35	.0925	32	53	DWDMM2.35	\$1.11	5.60	.2205	67	93	DWDMM5.60	\$2.30
2.40	.0945	35	57	DWDMM2.40	\$1.11	5.70	.2244	67	93	DWDMM5.70	\$2.30
2.45	.0965	35	57	DWDMM2.45	\$1.11	5.75	.2264	67	93	DWDMM5.75	\$2.30
2.50	.0984	35	57	DWDMM2.50	\$1.11	5.80	.2283	67	93	DWDMM5.80	\$2.30
2.55	.1003	35	57	DWDMM2.55	\$1.11	5.90	.2323	67	93	DWDMM5.90	\$2.30
2.60	.1024	37	57	DWDMM2.60	\$1.11	6.00	.2362	70	93	DWDMM6.00	\$2.30
2.65	.1043	37	57	DWDMM2.65	\$1.11	6.10	.2402	70	101	DWDMM6.10	\$2.43
2.70	.1063	37	61	DWDMM2.70	\$1.20	6.20	.2441	70	101	DWDMM6.20	\$2.43
2.75	.1083	37	61	DWDMM2.75	\$1.20	6.25	.2461	70	101	DWDMM6.25	\$2.43
2.80	.1102	38	61	DWDMM2.80	\$1.20	6.30	.2480	70	101	DWDMM6.30	\$2.43
2.85	.1122	38	61	DWDMM2.85	\$1.20	6.40	.2520	73	101	DWDMM6.40	\$2.57
2.90	.1142	41	61	DWDMM2.90	\$1.20	6.50	.2559	73	101	DWDMM6.50	\$2.57
2.95	.1161	41	61	DWDMM2.95	\$1.20	6.60	.2598	73	101	DWDMM6.60	\$2.57
3.00	.1181	41	61	DWDMM3.00	\$1.20	6.70	.2638	73	101	DWDMM6.70	\$2.57
3.05	.1201	41	65	DWDMM3.05	\$1.20	6.75	.2657	73	109	DWDMM6.75	\$2.99

HSS METRIC JOBBER DRILLS

118° POINT

Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
6.80	.2677	73	109	DWDMM6.80	\$2.99	9.60	.3780	95	133	DWDMM9.60	\$6.11
6.90	.2717	73	109	DWDMM6.90	\$2.99	9.70	.3819	95	133	DWDMM9.70	\$6.11
7.00	.2756	73	109	DWDMM7.00	\$2.99	9.75	.3839	95	133	DWDMM9.75	\$6.11
7.10	.2795	75	109	DWDMM7.10	\$2.99	9.80	.3858	95	133	DWDMM9.80	\$6.11
7.20	.2835	75	109	DWDMM7.20	\$2.99	9.90	.3898	95	133	DWDMM9.90	\$6.11
7.25	.2854	75	109	DWDMM7.25	\$2.99	10.00	.3937	95	133	DWDMM10.00	\$6.11
7.30	.2874	75	109	DWDMM7.30	\$2.99	10.20	.4016	98	133	DWDMM10.20	\$6.11
7.40	.2913	78	109	DWDMM7.40	\$2.99	10.25	.4035	98	133	DWDMM10.25	\$7.05
7.50	.2953	78	109	DWDMM7.50	\$2.99	10.50	.4134	98	133	DWDMM10.50	\$7.05
7.60	.2992	78	117	DWDMM7.60	\$3.68	10.70	.4213	100	142	DWDMM10.70	\$8.42
7.70	.3031	81	117	DWDMM7.70	\$3.68	10.75	.4232	101	142	DWDMM10.75	\$8.42
7.75	.3051	81	117	DWDMM7.75	\$3.68	10.80	.4252	103	142	DWDMM10.80	\$8.42
7.80	.3071	81	117	DWDMM7.80	\$3.68	11.00	.4331	103	142	DWDMM11.00	\$7.50
7.90	.3110	81	117	DWDMM7.90	\$3.68	11.50	.4528	106	142	DWDMM11.50	\$8.38
8.00	.3150	81	117	DWDMM8.00	\$3.90	11.70	.4606	110	142	DWDMM11.70	\$10.38
8.10	.3189	84	117	DWDMM8.10	\$3.90	12.00	.4724	111	151	DWDMM12.00	\$9.36
8.20	.3228	84	117	DWDMM8.20	\$3.90	12.50	.4921	114	151	DWDMM12.50	\$9.69
8.25	.3248	84	117	DWDMM8.25	\$3.90	12.80	.5039	114	151	DWDMM12.80	\$11.09
8.30	.3268	84	117	DWDMM8.30	\$3.90	13.00	.5118	114	151	DWDMM13.00	\$11.09
8.40	.3307	87	117	DWDMM8.40	\$3.90	13.50	.5315	122	160	DWDMM13.50	\$13.92
8.50	.3346	87	117	DWDMM8.50	\$3.90	14.00	.5512	122	160	DWDMM14.00	\$15.92
8.60	.3386	87	125	DWDMM8.60	\$4.48	14.50	.5709	122	169	DWDMM14.50	\$15.92
8.70	.3425	87	125	DWDMM8.70	\$4.48	15.00	.5906	132	169	DWDMM15.00	\$17.27
8.75	.3445	87	125	DWDMM8.75	\$4.74	15.50	.6102	132	178	DWDMM15.50	\$19.74
8.80	.3465	89	125	DWDMM8.80	\$4.74	16.00	.6299	132	178	DWDMM16.00	\$19.74
8.90	.3504	89	125	DWDMM8.90	\$4.74	16.50	.6496	132	184	DWDMM16.50	\$21.32
9.00	.3543	89	125	DWDMM9.00	\$4.74	17.00	.6693	143	184	DWDMM17.00	\$21.32
9.10	.3583	89	125	DWDMM9.10	\$4.74	17.50	.6890	143	191	DWDMM17.50	\$23.45
9.20	.3622	92	125	DWDMM9.20	\$5.41	18.00	.7087	145	191	DWDMM18.00	\$24.66
9.25	.3642	92	125	DWDMM9.25	\$5.41	18.50	.7283	149	198	DWDMM18.50	\$26.73
9.30	.3661	92	125	DWDMM9.30	\$5.41	19.00	.7480	149	198	DWDMM19.00	\$29.57
9.40	.3701	92	125	DWDMM9.40	\$5.41	19.50	.7677	154	205	DWDMM19.50	\$29.57
9.50	.3740	92	125	DWDMM9.50	\$5.41	20.00	.7874	154	205	DWDMM20.00	\$29.57

COBALT METRIC JOBBERS DRILLS

135° SPLIT POINT

D/AMMCO Series - Metric Cobalt

Manufactured to National Aerospace standard 907. Made of heat resistant cobalt, they display higher red hardness which permits speeds upto 30% greater than high speed steel drills and are especially effective in drilling tough, high tensile strength materials like PH stainless steel, inconel, and titanium. The 135° split point is self-centering and reduces thrust. Sizes smaller than 2mm have the 118° standard point.



M E T R I C S I Z E S

D/AMMCO Series						D/AMMCO Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
*1.00	.0394	17	41	D/AMMCO1.00	\$3.42	7.50	.2953	78	111	D/AMMCO7.50	\$12.17
*1.50	.0591	22	48	D/AMMCO1.50	\$3.32	8.00	.3150	81	114	D/AMMCO8.00	\$14.37
2.00	.0787	25	51	D/AMMCO2.00	\$3.32	8.50	.3346	87	121	D/AMMCO8.50	\$15.72
2.50	.0984	35	60	D/AMMCO2.50	\$3.39	9.00	.3543	89	124	D/AMMCO9.00	\$18.08
3.00	.1181	41	70	D/AMMCO3.00	\$4.07	9.50	.3740	92	127	D/AMMCO9.50	\$18.08
3.50	.1378	48	73	D/AMMCO3.50	\$4.14	10.00	.3937	95	130	D/AMMCO10.00	\$21.45
4.00	.1575	54	83	D/AMMCO4.00	\$4.90	10.50	.4134	98	133	D/AMMCO10.50	\$23.73
4.50	.1772	56	86	D/AMMCO4.50	\$5.49	11.00	.4331	103	140	D/AMMCO11.00	\$24.30
5.00	.1969	62	92	D/AMMCO5.00	\$6.61	11.50	.4528	106	143	D/AMMCO11.50	\$29.10
5.50	.2165	64	95	D/AMMCO5.50	\$7.42	12.00	.4724	111	149	D/AMMCO12.00	\$30.56
6.00	.2362	70	102	D/AMMCO6.00	\$8.44	12.50	.4921	114	152	D/AMMCO12.50	\$31.15
6.50	.2559	73	105	D/AMMCO6.50	\$9.56	13.00	.5118	114	152	D/AMMCO13.00	\$40.75
7.00	.2756	73	105	D/AMMCO7.00	\$10.05						

*118° Standard Point

HSS TIN-COATED JOBBER DRILLS 118° POINT

DWDTN Series - TIN Coated

Superhard titanium nitride surface treatment improves drill life, chip ejection, and productivity; decreases horsepower requirements. Ideal for hard metals, work hardened stainless and other difficult to drill materials.



FRACTIONAL SIZES

DWDTN Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
1/16"	.0625	7/8"	1-7/8"	DWDTN1/16	\$3.26
5/64"	.0781	1"	2"	DWDTN5/64	\$3.26
3/32"	.0938	1-1/4"	2-1/4"	DWDTN3/32	\$3.26
7/64"	.1094	1-1/2"	2-5/8"	DWDTN7/64	\$3.32
1/8"	.1250	1-5/8"	2-3/4"	DWDTN1/8	\$3.32
9/64"	.1406	1-3/4"	2-7/8"	DWDTN9/64	\$3.77
5/32"	.1562	2"	3-1/8"	DWDTN5/32	\$3.88
11/64"	.1719	2-1/8"	3-1/4"	DWDTN11/64	\$4.08
3/16"	.1875	2-5/16"	3-1/2"	DWDTN3/16	\$4.32
13/64"	.2031	2-7/16"	3-5/8"	DWDTN13/64	\$5.87
7/32"	.2188	2-1/2"	3-3/4"	DWDTN7/32	\$6.14
15/64"	.2344	2-5/8"	3-7/8"	DWDTN15/64	\$6.33
1/4"	.2500	2-3/4"	4"	DWDTN1/4	\$6.54
17/64"	.2656	2-7/8"	4-1/8"	DWDTN17/64	\$10.04
9/32"	.2812	2-15/16"	4-1/4"	DWDTN9/32	\$10.36
19/64"	.2969	3-1/16"	4-3/8"	DWDTN19/64	\$10.76
5/16"	.3125	3-3/16"	4-1/2"	DWDTN5/16	\$10.94
21/64"	.3281	3-5/16"	4-5/8"	DWDTN21/64	\$13.93
11/32"	.3438	3-7/16"	4-3/4"	DWDTN11/32	\$14.64
23/64"	.3594	3-1/2"	4-7/8"	DWDTN23/64	\$14.61
3/8"	.3750	3-5/8"	5"	DWDTN3/8	\$15.73
25/64"	.3906	3-3/4"	5-1/8"	DWDTN25/64	\$17.52
13/32"	.4062	3-7/8"	5-1/4"	DWDTN13/32	\$18.23
27/64"	.4219	3-15/16"	5-3/8"	DWDTN27/64	\$19.05
7/16"	.4375	4-1/16"	5-1/2"	DWDTN7/16	\$19.63
29/64"	.4531	4-3/16"	5-5/8"	DWDTN29/64	\$21.75
15/32"	.4688	4-5/16"	5-3/4"	DWDTN15/32	\$22.71
31/64"	.4844	4-3/8"	5-7/8"	DWDTN31/64	\$23.33
1/2"	.5000	4-1/2"	6"	DWDTN1/2	\$23.96

WIRE GAUGE SIZES

DWDTN Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
1	.2280	2-5/8"	3-7/8"	DWDTN1	\$8.13
2	.2210	2-5/8"	3-7/8"	DWDTN2	\$8.13
3	.2130	2-1/2"	3-3/4"	DWDTN3	\$7.66
4	.2090	2-1/2"	3-3/4"	DWDTN4	\$7.66
5	.2055	2-1/2"	3-3/4"	DWDTN5	\$7.66
6	.2040	2-1/2"	3-3/4"	DWDTN6	\$7.66
7	.2010	2-7/16"	3-5/8"	DWDTN7	\$7.22
8	.1990	2-7/16"	3-5/8"	DWDTN8	\$7.22
9	.1960	2-7/16"	3-5/8"	DWDTN9	\$7.22
10	.1935	2-7/16"	3-5/8"	DWDTN10	\$7.22
11	.1910	2-5/16"	3-1/2"	DWDTN11	\$7.02
12	.1890	2-5/16"	3-1/2"	DWDTN12	\$7.02
13	.1850	2-5/16"	3-1/2"	DWDTN13	\$6.92
14	.1820	2-3/16"	3-3/8"	DWDTN14	\$6.92
15	.1800	2-3/16"	3-3/8"	DWDTN15	\$6.92
16	.1770	2-3/16"	3-3/8"	DWDTN16	\$6.92
17	.1730	2-3/16"	3-3/8"	DWDTN17	\$6.92
18	.1695	2-1/8"	3-1/4"	DWDTN18	\$6.37
19	.1660	2-1/8"	3-1/4"	DWDTN19	\$6.37
20	.1610	2-1/8"	3-1/4"	DWDTN20	\$6.37
21	.1590	2-1/8"	3-1/4"	DWDTN21	\$6.19
22	.1570	2"	3-1/8"	DWDTN22	\$6.19
23	.1540	2"	3-1/8"	DWDTN23	\$6.16
24	.1520	2"	3-1/8"	DWDTN24	\$6.16
25	.1495	1-7/8"	3"	DWDTN25	\$6.04
26	.1470	1-7/8"	3"	DWDTN26	\$6.04
27	.1440	1-7/8"	3"	DWDTN27	\$6.04
28	.1405	1-3/4"	2-7/8"	DWDTN28	\$5.88
29	.1360	1-3/4"	2-7/8"	DWDTN29	\$5.88
30	.1285	1-5/8"	2-3/4"	DWDTN30	\$5.88
31	.1200	1-5/8"	2-3/4"	DWDTN31	\$3.93
32	.1160	1-5/8"	2-3/4"	DWDTN32	\$3.93
33	.1130	1-1/2"	2-5/8"	DWDTN33	\$3.93
34	.1110	1-1/2"	2-5/8"	DWDTN34	\$3.93
35	.1100	1-1/2"	2-5/8"	DWDTN35	\$3.93
36	.1065	1-7/16"	2-1/2"	DWDTN36	\$3.93
37	.1040	1-7/16"	2-1/2"	DWDTN37	\$3.93
38	.1015	1-7/16"	2-1/2"	DWDTN38	\$3.93
39	.0995	1-3/8"	2-3/8"	DWDTN39	\$3.93
40	.0980	1-3/8"	2-3/8"	DWDTN40	\$3.93

HSS LEFT HAND JOBBER DRILLS

118° POINT

DWDLH Series - Left Hand

General purpose drill construction. Features a left hand helix for applications where spindles rotate counterclockwise. Left hand drills can also be used to drill out broken bolts.



F R A C T I O N A L S I Z E S

DWDLH Series						DWDLH Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
1/32"	.0312	1/2"	1-3/8"	DWDLH1/32	\$6.18	9/32"	.2812	2-15/16"	4-1/4"	DWDLH9/32	\$9.64
3/64"	.0469	3/4"	1-3/4"	DWDLH3/64	\$4.06	19/64"	.2969	3-1/16"	4-3/8"	DWDLH19/64	\$10.55
1/16"	.0625	7/8"	1-7/8"	DWDLH1/16	\$4.06	5/16"	.3125	3-3/16"	4-1/2"	DWDLH5/16	\$11.23
5/64"	.0781	1"	2"	DWDLH5/64	\$4.06	21/64"	.3281	3-5/16"	4-5/8"	DWDLH21/64	\$12.05
3/32"	.0938	1-1/4"	2-1/4"	DWDLH3/32	\$4.22	11/32"	.3438	3-7/16"	4-3/4"	DWDLH11/32	\$13.85
7/64"	.1094	1-1/2"	2-5/8"	DWDLH7/64	\$4.38	23/64"	.3594	3-1/2"	4-7/8"	DWDLH23/64	\$16.09
1/8"	.1250	1-5/8"	2-3/4"	DWDLH1/8	\$4.38	3/8"	.3750	3-5/8"	5"	DWDLH3/8	\$16.94
9/64"	.1406	1-3/4"	2-7/8"	DWDLH9/64	\$4.57	25/64"	.3906	3-3/4"	5-1/8"	DWDLH25/64	\$18.51
5/32"	.1562	2"	3-1/8"	DWDLH5/32	\$5.08	13/32"	.4062	3-7/8"	5-1/4"	DWDLH13/32	\$19.29
11/64"	.1719	2-1/8"	3-1/4"	DWDLH11/64	\$5.72	27/64"	.4219	3-15/16"	5-3/8"	DWDLH27/64	\$21.71
3/16"	.1875	2-5/16"	3-1/2"	DWDLH3/16	\$6.35	7/16"	.4375	4-1/16"	5-1/2"	DWDLH7/16	\$22.68
13/64"	.2031	2-7/16"	3-5/8"	DWDLH13/64	\$6.35	29/64"	.4531	4-3/16"	5-5/8"	DWDLH29/64	\$25.89
7/32"	.2188	2-1/2"	3-3/4"	DWDLH7/32	\$6.35	15/32"	.4688	4-5/16"	5-3/4"	DWDLH15/32	\$27.53
15/64"	.2344	2-5/8"	3-7/8"	DWDLH15/64	\$8.81	31/64"	.4844	4-3/8"	5-7/8"	DWDLH31/64	\$29.11
1/4"	.2500	2-3/4"	4"	DWDLH1/4	\$8.81	1/2"	.5000	4-1/2"	6"	DWDLH1/2	\$29.11
17/64"	.2656	2-7/8"	4-1/8"	DWDLH17/64	\$9.30						

W I R E G A U G E S I Z E S

DWDLH Series						DWDLH Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
1	.2280	2-5/8"	3-7/8"	DWDLH1	\$8.08	31	.1200	1-5/8"	2-3/4"	DWDLH31	\$3.91
2	.2210	2-5/8"	3-7/8"	DWDLH2	\$8.08	32	.1160	1-5/8"	2-3/4"	DWDLH32	\$3.91
3	.2130	2-1/2"	3-3/4"	DWDLH3	\$7.60	33	.1130	1-1/2"	2-5/8"	DWDLH33	\$3.91
4	.2090	2-1/2"	3-3/4"	DWDLH4	\$7.60	34	.1110	1-1/2"	2-5/8"	DWDLH34	\$3.91
5	.2055	2-1/2"	3-3/4"	DWDLH5	\$7.60	35	.1100	1-1/2"	2-5/8"	DWDLH35	\$3.91
6	.2040	2-1/2"	3-3/4"	DWDLH6	\$7.60	36	.1065	1-7/16"	2-1/2"	DWDLH36	\$3.91
7	.2010	2-7/16"	3-5/8"	DWDLH7	\$6.39	37	.1040	1-7/16"	2-1/2"	DWDLH37	\$3.91
8	.1990	2-7/16"	3-5/8"	DWDLH8	\$6.39	38	.1015	1-7/16"	2-1/2"	DWDLH38	\$3.91
9	.1960	2-7/16"	3-5/8"	DWDLH9	\$6.39	39	.0995	1-3/8"	2-3/8"	DWDLH39	\$3.91
10	.1935	2-7/16"	3-5/8"	DWDLH10	\$6.39	40	.0980	1-3/8"	2-3/8"	DWDLH40	\$3.91
11	.1910	2-5/16"	3-1/2"	DWDLH11	\$6.16	41	.0960	1-3/8"	2-3/8"	DWDLH41	\$3.91
12	.1890	2-5/16"	3-1/2"	DWDLH12	\$6.16	42	.0935	1-1/4"	2-1/4"	DWDLH42	\$3.91
13	.1850	2-5/16"	3-1/2"	DWDLH13	\$5.69	43	.0890	1-1/4"	2-1/4"	DWDLH43	\$3.91
14	.1820	2-3/16"	3-3/8"	DWDLH14	\$5.69	44	.0860	1-1/8"	2-1/8"	DWDLH44	\$3.91
15	.1800	2-3/16"	3-3/8"	DWDLH15	\$5.69	45	.0820	1-1/8"	2-1/8"	DWDLH45	\$3.91
16	.1770	2-3/16"	3-3/8"	DWDLH16	\$5.69	46	.0810	1-1/8"	2-1/8"	DWDLH46	\$3.91
17	.1730	2-3/16"	3-3/8"	DWDLH17	\$5.69	47	.0785	1"	2"	DWDLH47	\$3.91
18	.1695	2-1/8"	3-1/4"	DWDLH18	\$5.00	48	.0760	1"	2"	DWDLH48	\$3.91
19	.1660	2-1/8"	3-1/4"	DWDLH19	\$5.00	49	.0730	1"	2"	DWDLH49	\$3.91
20	.1610	2-1/8"	3-1/4"	DWDLH20	\$5.00	50	.0700	1"	2"	DWDLH50	\$3.91
21	.1590	2-1/8"	3-1/4"	DWDLH21	\$4.76	51	.0670	1"	2"	DWDLH51	\$3.95
22	.1570	2"	3-1/8"	DWDLH22	\$4.76	52	.0635	7/8"	1-7/8"	DWDLH52	\$3.95
23	.1540	2"	3-1/8"	DWDLH23	\$4.55	53	.0595	7/8"	1-7/8"	DWDLH53	\$3.95
24	.1520	2"	3-1/8"	DWDLH24	\$4.55	54	.0550	7/8"	1-7/8"	DWDLH54	\$3.95
25	.1495	1-7/8"	3"	DWDLH25	\$4.39	55	.0520	7/8"	1-7/8"	DWDLH55	\$3.95
26	.1470	1-7/8"	3"	DWDLH26	\$4.39	56	.0465	3/4"	1-3/4"	DWDLH56	\$3.95
27	.1440	1-7/8"	3"	DWDLH27	\$4.39	57	.0430	3/4"	1-3/4"	DWDLH57	\$3.95
28	.1405	1-3/4"	2-7/8"	DWDLH28	\$3.91	58	.0420	11/16"	1-5/8"	DWDLH58	\$3.95
29	.1360	1-3/4"	2-7/8"	DWDLH29	\$3.91	59	.0410	11/16"	1-5/8"	DWDLH59	\$3.95
30	.1285	1-5/8"	2-3/4"	DWDLH30	\$3.91	60	.0400	11/16"	1-5/8"	DWDLH60	\$3.95

HSS LEFT HAND JOBBER DRILLS

118° POINT



LETTER SIZES

DWDLH Series						DWDLH Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
A	.2340	2-5/8"	3-7/8"	DWDLHA	\$10.68	N	.3020	3-1/16"	4-3/8"	DWDLHN	\$12.17
B	.2380	2-3/4"	4"	DWDLHB	\$9.89	O	.3160	3-3/16"	4-1/2"	DWDLHO	\$12.17
C	.2420	2-3/4"	4"	DWDLHC	\$9.89	P	.3230	3-5/16"	4-5/8"	DWDLHP	\$13.70
D	.2460	2-3/4"	4"	DWDLHD	\$9.89	Q	.3320	3-7/16"	4-3/4"	DWDLHQ	\$13.99
E	.2500	2-3/4"	4"	DWDLHE	\$9.13	R	.3390	3-7/16"	4-3/4"	DWDLHR	\$14.99
F	.2570	2-7/8"	4-1/8"	DWDLHF	\$9.81	S	.3480	3-1/2"	4-7/8"	DWDLHS	\$16.51
G	.2610	2-7/8"	4-1/8"	DWDLHG	\$10.80	T	.3580	3-1/2"	4-7/8"	DWDLHT	\$18.69
H	.2660	2-7/8"	4-1/8"	DWDLHH	\$10.80	U	.3680	3-5/8"	5"	DWDLHU	\$18.93
I	.2720	2-7/8"	4-1/8"	DWDLHI	\$10.80	V	.3770	3-5/8"	5"	DWDLHV	\$18.93
J	.2770	2-7/8"	4-1/8"	DWDLHJ	\$11.60	W	.3860	3-3/4"	5-1/8"	DWDLHW	\$19.51
K	.2810	2-15/16"	4-1/4"	DWDLHK	\$12.09	X	.3970	3-3/4"	5-1/8"	DWDLHX	\$23.89
L	.2900	2-15/16"	4-1/4"	DWDLHL	\$12.09	Y	.4040	3-7/8"	5-1/4"	DWDLHY	\$26.81
M	.2950	3-1/16"	4-3/8"	DWDLHM	\$12.17	Z	.4130	3-7/8"	5-1/4"	DWDLHZ	\$29.06

HSS DRILL BLANK

DWDBL Series - Blanks

Bright finish, Hardened and ground, blanks are often used as gauges to check hole size and drill bushing size. Can often be used as guide pins for die sets or modified as punches.



FRACTIONAL SIZES

DWDBL Series					DWDBL Series				
Size	Dec. Equiv.	O.A.L.	Part Number	List Price	Size	Dec. Equiv.	O.A.L.	Part Number	List Price
1/64"	.0156	3/4"	DWDBL1/64	\$2.80	33/64"	.5156	6"	DWDBL33/64	\$34.23
1/32"	.0312	1-3/8"	DWDBL1/32	\$2.80	17/32"	.5312	6"	DWDBL17/32	\$34.23
3/64"	.0469	1-3/4"	DWDBL3/64	\$3.03	35/64"	.5469	6"	DWDBL35/64	\$35.65
1/16"	.0625	1-7/8"	DWDBL1/16	\$3.03	9/16"	.5625	6"	DWDBL9/16	\$35.65
5/64"	.0781	2"	DWDBL5/64	\$3.12	37/64"	.5781	6"	DWDBL37/64	\$40.88
3/32"	.0938	2-1/4"	DWDBL3/32	\$3.12	19/32"	.5938	6"	DWDBL19/32	\$40.88
7/64"	.1094	2-5/8"	DWDBL7/64	\$3.12	39/64"	.6094	6"	DWDBL39/64	\$41.24
1/8"	.1250	2-3/4"	DWDBL1/8	\$3.12	5/8"	.6250	6"	DWDBL5/8	\$41.24
9/64"	.1406	2-7/8"	DWDBL9/64	\$3.12	41/64"	.6406	6"	DWDBL41/64	\$47.27
5/32"	.1562	3-1/8"	DWDBL5/32	\$3.54	21/32"	.6562	6"	DWDBL21/32	\$47.27
11/64"	.1719	3-1/4"	DWDBL11/64	\$3.54	43/64"	.6719	6"	DWDBL43/64	\$51.80
3/16"	.1875	3-1/2"	DWDBL3/16	\$3.97	11/16"	.6875	6"	DWDBL11/16	\$51.80
13/64"	.2031	3-5/8"	DWDBL13/64	\$5.02	45/64"	.7031	6"	DWDBL45/64	\$51.80
7/32"	.2188	3-3/4"	DWDBL7/32	\$5.20	23/32"	.7188	6"	DWDBL23/32	\$51.80
15/64"	.2344	3-7/8"	DWDBL15/64	\$5.69	47/64"	.7344	6"	DWDBL47/64	\$55.19
1/4"	.2500	4"	DWDBL1/4	\$6.16	3/4"	.7500	6"	DWDBL3/4	\$55.19
17/64"	.2656	4-1/8"	DWDBL17/64	\$7.28	49/64"	.7656	6"	DWDBL49/64	\$62.43
9/32"	.2812	4-1/4"	DWDBL9/32	\$7.85	25/32"	.7813	6"	DWDBL25/32	\$62.43
19/64"	.2969	4-3/8"	DWDBL19/64	\$8.72	51/64"	.7969	6"	DWDBL51/64	\$62.43
5/16"	.3125	4-1/2"	DWDBL5/16	\$8.97	13/16"	.8125	6"	DWDBL13/16	\$62.43
21/64"	.3281	4-5/8"	DWDBL21/64	\$9.87	53/64"	.8281	6"	DWDBL53/64	\$73.47
11/32"	.3438	4-3/4"	DWDBL11/32	\$10.59	27/32"	.8438	6"	DWDBL27/32	\$73.47
23/64"	.3594	4-7/8"	DWDBL23/64	\$11.92	55/64"	.8594	6"	DWDBL55/64	\$73.47
3/8"	.3750	5"	DWDBL3/8	\$13.09	7/8"	.8750	6"	DWDBL7/8	\$73.63
25/64"	.3906	5-1/8"	DWDBL25/64	\$13.61	57/64"	.8906	6"	DWDBL57/64	\$84.83
13/32"	.4062	5-1/4"	DWDBL13/32	\$14.74	29/32"	.9063	6"	DWDBL29/32	\$84.83
27/64"	.4219	5-3/8"	DWDBL27/64	\$16.52	59/64"	.9219	6"	DWDBL59/64	\$84.83
7/16"	.4375	5-1/2"	DWDBL7/16	\$18.67	15/16"	.9375	6"	DWDBL15/16	\$84.83
29/64"	.4531	5-5/8"	DWDBL29/64	\$19.16	61/64"	.9531	6"	DWDBL61/64	\$95.59
15/32"	.4688	5-3/4"	DWDBL15/32	\$19.47	31/32"	.9688	6"	DWDBL31/32	\$95.59
31/64"	.4844	5-7/8"	DWDBL31/64	\$22.10	63/64"	.9844	6"	DWDBL63/64	\$95.59
1/2"	.5000	6"	DWDBL1/2	\$23.40	1"	1.0000	6"	DWDBL1INCH	\$95.59

SCREW MACHINE LENGTH DRILLS

135° SPLIT POINT

DWDST Series - High Speed Economy

D/AST Series - High Speed Premium Quality

Manufactured to National Aerospace Standard 907. 135° split point is self-centering and reduces thrust. Ideal for portable or machine drilling. Short, rugged construction performs well in a broad range of materials in the iron and steel families. Screw machine drills are popular in the automotive and construction industries. They are often used in screw machine setup where spindle clearance is limited. Sizes smaller than 1/16" or #52, and larger than 1/2" have the 118° standard point.



KFDST Series - Black & Gold HSS Contractor Grade

Contractor grade drills are manufactured from M1 High Speed Steel for use in a wide range of materials such as aluminum, iron and steel. Screw machine drills are popular in the automotive and construction industries. They are often used in screw machine setup where spindle clearance is limited. The 135° split point is self-centering and reduces thrust.

D/ASTCO Series - Cobalt Premium Quality

Manufactured to National Aerospace Standard 907. 135° split point is self-centering and reduces thrust. Ideal for portable or machine drilling. Short, rugged construction performs well in high tensile strength materials like PH stainless steel, inconel, and titanium. The 135° split point is self-centering and reduces thrust. Sizes smaller than 1/16" have the 118° standard point.



F R A C T I O N A L S I Z E S

				DWDST Series		KFDST Series		D/AST Series		D/ASTCO Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
*3/64"	.0469	1/2"	1-3/8"	DWDST3/64	\$1.36	-	-	D/AST3/64	\$2.06	D/ASTCO3/64	\$2.39
1/16"	.0625	5/8"	1-5/8"	DWDST1/16	\$1.03	KFDST1/16	\$1.19	D/AST1/16	\$1.39	D/ASTCO1/16	\$2.16
5/64"	.0781	11/16"	1-11/16"	DWDST5/64	\$1.03	KFDST5/64	\$1.19	D/AST5/64	\$1.39	D/ASTCO5/64	\$2.16
3/32"	.0938	3/4"	1-3/4"	DWDST3/32	\$0.99	KFDST3/32	\$1.13	D/AST3/32	\$1.34	D/ASTCO3/32	\$2.16
7/64"	.1094	13/16"	1-13/16"	DWDST7/64	\$0.99	KFDST7/64	\$1.13	D/AST7/64	\$1.34	D/ASTCO7/64	\$2.45
1/8"	.1250	7/8"	1-7/8"	DWDST1/8	\$0.99	KFDST1/8	\$1.13	D/AST1/8	\$1.34	D/ASTCO1/8	\$2.85
9/64"	.1406	15/16"	1-15/16"	DWDST9/64	\$1.11	KFDST9/64	\$1.26	D/AST9/64	\$1.48	D/ASTCO9/64	\$2.85
5/32"	.1562	1"	2-1/16"	DWDST5/32	\$1.40	KFDST5/32	\$1.61	D/AST5/32	\$1.89	D/ASTCO5/32	\$3.15
11/64"	.1719	1-1/16"	2-1/8"	DWDST11/64	\$1.51	KFDST11/64	\$1.71	D/AST11/64	\$2.00	D/ASTCO11/64	\$3.51
3/16"	.1875	1-1/8"	2-3/16"	DWDST3/16	\$1.62	KFDST3/16	\$1.82	D/AST3/16	\$2.15	D/ASTCO3/16	\$4.11
13/64"	.2031	1-3/16"	2-1/4"	DWDST13/64	\$1.79	KFDST13/64	\$2.04	D/AST13/64	\$2.39	D/ASTCO13/64	\$4.73
7/32"	.2188	1-1/4"	2-3/8"	DWDST7/32	\$1.96	KFDST7/32	\$2.27	D/AST7/32	\$2.67	D/ASTCO7/32	\$5.22
15/64"	.2344	1-5/16"	2-7/16"	DWDST15/64	\$2.05	KFDST15/64	\$2.34	D/AST15/64	\$2.76	D/ASTCO15/64	\$5.58
1/4"	.2500	1-3/8"	2-1/2"	DWDST1/4	\$2.14	KFDST1/4	\$2.43	D/AST1/4	\$2.86	D/ASTCO1/4	\$5.79
17/64"	.2656	1-7/16"	2-5/8"	DWDST17/64	\$3.03	KFDST17/64	\$3.31	D/AST17/64	\$3.90	D/ASTCO17/64	\$6.64
9/32"	.2813	1-1/2"	2-11/16"	DWDST9/32	\$3.21	KFDST9/32	\$3.50	D/AST9/32	\$4.12	D/ASTCO9/32	\$7.20
19/64"	.2969	1-9/16"	2-3/4"	DWDST19/64	\$3.47	KFDST19/64	\$3.81	D/AST19/64	\$4.47	D/ASTCO19/64	\$8.34
5/16"	.3125	1-5/8"	2-13/16"	DWDST5/16	\$3.66	KFDST5/16	\$4.01	D/AST5/16	\$4.71	D/ASTCO5/16	\$9.30
21/64"	.3281	1-11/16"	2-15/16"	DWDST21/64	\$4.17	KFDST21/64	\$4.49	D/AST21/64	\$5.29	D/ASTCO21/64	\$9.89
11/32"	.3438	1-11/16"	3"	DWDST11/32	\$4.44	KFDST11/32	\$4.81	D/AST11/32	\$5.67	D/ASTCO11/32	\$10.75
23/64"	.3594	1-3/4"	3-1/16"	DWDST23/64	\$4.70	KFDST23/64	\$5.12	D/AST23/64	\$6.02	D/ASTCO23/64	\$12.38
3/8"	.3750	1-13/16"	3-1/8"	DWDST3/8	\$5.10	KFDST3/8	\$5.53	D/AST3/8	\$6.51	D/ASTCO3/8	\$12.38
25/64"	.3906	1-7/8"	3-1/4"	DWDST25/64	\$5.60	KFDST25/64	\$6.01	D/AST25/64	\$7.07	D/ASTCO25/64	\$14.13
13/32"	.4062	1-15/16"	3-5/16"	DWDST13/32	\$6.03	KFDST13/32	\$6.51	D/AST13/32	\$7.66	D/ASTCO13/32	\$14.63
27/64"	.4219	2"	3-3/8"	DWDST27/64	\$6.40	KFDST27/64	\$6.89	D/AST27/64	\$8.10	D/ASTCO27/64	\$16.17
7/16"	.4375	2-1/16"	3-7/16"	DWDST7/16	\$7.03	KFDST7/16	\$7.55	D/AST7/16	\$8.88	D/ASTCO7/16	\$16.61
29/64"	.4531	2-1/8"	3-9/16"	DWDST29/64	\$7.56	KFDST29/64	\$8.00	D/AST29/64	\$9.42	D/ASTCO29/64	\$19.92
15/32"	.4688	2-1/8"	3-5/8"	DWDST15/32	\$8.29	KFDST15/32	\$8.72	D/AST15/32	\$10.26	D/ASTCO15/32	\$19.92
31/64"	.4844	2-3/16"	3-11/16"	DWDST31/64	\$8.65	KFDST31/64	\$9.11	D/AST31/64	\$10.71	D/ASTCO31/64	\$19.92
1/2"	.5000	2-1/4"	3-3/4"	DWDST1/2	\$9.11	KFDST1/2	\$9.61	D/AST1/2	\$11.31	D/ASTCO1/2	\$19.75

*118° Standard Point

SCREW MACHINE LENGTH DRILLS

118° POINT

F R A C T I O N A L S I Z E S O V E R 1 / 2 "

				DWDST Series		D/ASTCO Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
33/64"	.5156	2-3/8"	3-7/8"	DWDST33/64	\$20.80	D/ASTCO33/64	\$56.04
17/32"	.5312	2-3/8"	3-7/8"	DWDST17/32	\$21.77	D/ASTCO17/32	\$56.51
35/64"	.5469	2-1/2"	4"	DWDST35/64	\$22.66	D/ASTCO35/64	\$60.84
9/16"	.5625	2-1/2"	4"	DWDST9/16	\$22.66	D/ASTCO9/16	\$58.67
37/64"	.5781	2-5/8"	4-1/8"	DWDST37/64	\$25.95	D/ASTCO37/64	\$69.67
19/32"	.5938	2-5/8"	4-1/8"	DWDST19/32	\$25.95	D/ASTCO19/32	\$67.18
39/64"	.6094	2-3/4"	4-1/4"	DWDST39/64	\$26.18	D/ASTCO39/64	\$70.43
5/8"	.6250	2-3/4"	4-1/4"	DWDST5/8	\$26.18	D/ASTCO5/8	\$67.90
41/64"	.6406	2-7/8"	4-1/2"	DWDST41/64	\$30.08	D/ASTCO41/64	\$80.84
21/32"	.6562	2-7/8"	4-1/2"	DWDST21/32	\$30.08	D/ASTCO21/32	\$77.94
43/64"	.6719	2-7/8"	4-5/8"	DWDST43/64	\$33.36	D/ASTCO43/64	\$89.56
11/16"	.6875	2-7/8"	4-5/8"	DWDST11/16	\$33.36	D/ASTCO11/16	\$86.37
45/64"	.7031	3"	4-3/4"	DWDST45/64	\$36.18	D/ASTCO45/64	\$97.24
23/32"	.7188	3"	4-3/4"	DWDST23/32	\$36.18	D/ASTCO23/32	\$93.79
47/64"	.7344	3-1/8"	5"	DWDST47/64	\$38.16	D/ASTCO47/64	\$102.60
3/4"	.7500	3-1/8"	5"	DWDST3/4	\$38.16	D/ASTCO3/4	\$98.95
49/64"	.7656	3-1/4"	5-1/8"	DWDST49/64	\$43.17	D/ASTCO49/64	\$124.47
25/32"	.7812	3-1/4"	5-1/8"	DWDST25/32	\$43.17	D/ASTCO25/32	\$124.47
51/64"	.7969	3-3/8"	5-1/4"	DWDST51/64	\$45.43	D/ASTCO51/64	\$125.75
13/16"	.8125	3-3/8"	5-1/4"	DWDST13/16	\$45.43	D/ASTCO13/16	\$128.98
53/64"	.8281	3-1/2"	5-3/8"	DWDST53/64	\$48.10	D/ASTCO53/64	\$137.51
27/32"	.8438	3-1/2"	5-3/8"	DWDST27/32	\$48.10	D/ASTCO27/32	\$137.51
55/64"	.8594	3-1/2"	5-1/2"	DWDST55/64	\$49.83	D/ASTCO55/64	\$148.11
7/8"	.8750	3-1/2"	5-1/2"	DWDST7/8	\$49.83	D/ASTCO7/8	\$148.11
57/64"	.8906	3-5/8"	5-5/8"	DWDST57/64	\$51.75	D/ASTCO57/64	\$151.83
29/32"	.9062	3-5/8"	5-5/8"	DWDST29/32	\$51.75	D/ASTCO29/32	\$152.05
59/64"	.9219	3-3/4"	5-3/4"	DWDST59/64	\$57.00	D/ASTCO59/64	\$151.83
15/16"	.9375	3-3/4"	5-3/4"	DWDST15/16	\$57.00	D/ASTCO15/16	\$151.83
61/64"	.9531	3-7/8"	5-7/8"	DWDST61/64	\$62.01	D/ASTCO61/64	\$176.14
31/32"	.9688	3-7/8"	5-7/8"	DWDST31/32	\$62.01	D/ASTCO31/32	\$176.14
63/64"	.9844	4"	6"	DWDST63/64	\$64.36	D/ASTCO63/64	\$184.56
1"	1.0000	4"	6"	DWDST1INCH	\$64.36	D/ASTCO1INCH	\$184.56
1-1/64"	1.0156	4"	6"	DWDST1-1/64	\$79.87		
1-1/32"	1.0312	4"	6-1/4"	DWDST1-1/32	\$79.87		
1-3/64"	1.0469	4"	6-1/4"	DWDST1-3/64	\$79.87		
1-1/16"	1.0625	4"	6-1/4"	DWDST1-1/16	\$79.87		
1-5/64"	1.0781	4"	6-1/4"	DWDST1-5/64	\$90.51		
1-3/32"	1.0938	4"	6-1/4"	DWDST1-3/32	\$90.51		
1-7/64"	1.1094	4"	6-1/4"	DWDST1-7/64	\$90.51		
1-1/8"	1.1250	4"	6-3/8"	DWDST1-1/8	\$90.51		
1-9/64"	1.1406	4"	6-3/8"	DWDST1-9/64	\$93.85		
1-5/32"	1.1562	4-1/4"	6-5/8"	DWDST1-5/32	\$93.85		
1-11/64"	1.1719	4-1/4"	6-5/8"	DWDST1-11/64	\$93.85		
1-3/16"	1.1875	4-1/4"	6-5/8"	DWDST1-3/16	\$93.85		
1-1/4"	1.2500	4-3/8"	6-3/4"	DWDST1-1/4	\$104.97		
1-9/32"	1.2813	4-3/8"	7"	DWDST1-9/32	\$138.71		
1-5/16"	1.3125	4-3/8"	7"	DWDST1-5/16	\$138.71		
1-3/8"	1.3750	4-1/2"	7-1/8"	DWDST1-3/8	\$147.89		
1-13/32"	1.4062	4-3/4"	7-3/8"	DWDST1-13/32	\$158.53		
1-7/16"	1.4375	4-3/4"	7-3/8"	DWDST1-7/16	\$158.53		
1-1/2"	1.5000	4-7/8"	7-1/2"	DWDST1-1/2	\$167.13		
2"	2.0000	5-5/8"	8-1/2"	DWDST2INCH	\$315.65		



SCREW MACHINE LENGTH DRILLS

135° SPLIT POINT

WIRE GAUGE SIZES



				DWDST Series		D/AST Series		D/ASTCO Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price	Part Number	List Price
1	.2280	1-5/16"	2-7/16"	DWDST1	\$2.22	D/AST1	\$2.67	D/ASTCO1	\$6.43
2	.2210	1-5/16"	2-7/16"	DWDST2	\$2.22	D/AST2	\$2.67	D/ASTCO2	\$6.43
3	.2130	1-1/4"	2-3/8"	DWDST3	\$2.08	D/AST3	\$2.49	D/ASTCO3	\$6.43
4	.2090	1-1/4"	2-3/8"	DWDST4	\$2.08	D/AST4	\$2.49	D/ASTCO4	\$5.75
5	.2055	1-1/4"	2-3/8"	DWDST5	\$2.08	D/AST5	\$2.49	D/ASTCO5	\$5.75
6	.2040	1-1/4"	2-3/8"	DWDST6	\$2.08	D/AST6	\$2.49	D/ASTCO6	\$5.75
7	.2010	1-3/16"	2-1/4"	DWDST7	\$1.90	D/AST7	\$2.28	D/ASTCO7	\$4.48
8	.1990	1-3/16"	2-1/4"	DWDST8	\$1.90	D/AST8	\$2.28	D/ASTCO8	\$4.43
9	.1960	1-3/16"	2-1/4"	DWDST9	\$1.90	D/AST9	\$2.28	D/ASTCO9	\$4.43
10	.1935	1-3/16"	2-1/4"	DWDST10	\$1.78	D/AST10	\$2.15	D/ASTCO10	\$4.43
11	.1910	1-3/16"	2-1/4"	DWDST11	\$1.78	D/AST11	\$2.15	D/ASTCO11	\$4.36
12	.1890	1-3/16"	2-1/4"	DWDST12	\$1.78	D/AST12	\$2.15	D/ASTCO12	\$4.36
13	.1850	1-1/8"	2-3/16"	DWDST13	\$1.75	D/AST13	\$2.11	D/ASTCO13	\$4.31
14	.1820	1-1/8"	2-3/16"	DWDST14	\$1.65	D/AST14	\$2.01	D/ASTCO14	\$4.31
15	.1800	1-1/8"	2-3/16"	DWDST15	\$1.65	D/AST15	\$2.01	D/ASTCO15	\$4.31
16	.1770	1-1/8"	2-3/16"	DWDST16	\$1.65	D/AST16	\$2.01	D/ASTCO16	\$4.28
17	.1730	1-1/8"	2-3/16"	DWDST17	\$1.62	D/AST17	\$1.98	D/ASTCO17	\$4.11
18	.1695	1-1/16"	2-1/8"	DWDST18	\$1.60	D/AST18	\$1.91	D/ASTCO18	\$3.47
19	.1660	1-1/16"	2-1/8"	DWDST19	\$1.56	D/AST19	\$1.88	D/ASTCO19	\$3.35
20	.1610	1-1/16"	2-1/8"	DWDST20	\$1.53	D/AST20	\$1.84	D/ASTCO20	\$3.35
21	.1590	1-1/16"	2-1/8"	DWDST21	\$1.49	D/AST21	\$1.80	D/ASTCO21	\$3.35
22	.1570	1-1/16"	2-1/8"	DWDST22	\$1.49	D/AST22	\$1.80	D/ASTCO22	\$3.35
23	.1540	1"	2-1/16"	DWDST23	\$1.45	D/AST23	\$1.75	D/ASTCO23	\$3.35
24	.1520	1"	2-1/16"	DWDST24	\$1.45	D/AST24	\$1.75	D/ASTCO24	\$3.35
25	.1495	1"	2-1/16"	DWDST25	\$1.31	D/AST25	\$1.58	D/ASTCO25	\$3.15
26	.1470	1"	2-1/16"	DWDST26	\$1.31	D/AST26	\$1.58	D/ASTCO26	\$3.15
27	.1440	1"	2-1/16"	DWDST27	\$1.31	D/AST27	\$1.58	D/ASTCO27	\$3.15
28	.1405	15/16"	1-15/16"	DWDST28	\$1.19	D/AST28	\$1.44	D/ASTCO28	\$2.85
29	.1360	15/16"	1-15/16"	DWDST29	\$1.19	D/AST29	\$1.44	D/ASTCO29	\$2.85
30	.1285	15/16"	1-15/16"	DWDST30	\$1.17	D/AST30	\$1.41	D/ASTCO30	\$2.68
31	.1200	7/8"	1-7/8"	DWDST31	\$1.09	D/AST31	\$1.33	D/ASTCO31	\$2.68
32	.1160	7/8"	1-7/8"	DWDST32	\$1.05	D/AST32	\$1.27	D/ASTCO32	\$2.68
33	.1130	7/8"	1-7/8"	DWDST33	\$1.02	D/AST33	\$1.24	D/ASTCO33	\$2.57
34	.1110	7/8"	1-7/8"	DWDST34	\$1.02	D/AST34	\$1.24	D/ASTCO34	\$2.57
35	.1100	7/8"	1-7/8"	DWDST35	\$1.02	D/AST35	\$1.24	D/ASTCO35	\$2.57
36	.1065	13/16"	1-13/16"	DWDST36	\$1.02	D/AST36	\$1.24	D/ASTCO36	\$2.57
37	.1040	13/16"	1-13/16"	DWDST37	\$1.02	D/AST37	\$1.24	D/ASTCO37	\$2.57
38	.1015	13/16"	1-13/16"	DWDST38	\$1.02	D/AST38	\$1.24	D/ASTCO38	\$2.35
39	.0995	13/16"	1-13/16"	DWDST39	\$1.02	D/AST39	\$1.24	D/ASTCO39	\$2.35
40	.0980	13/16"	1-13/16"	DWDST40	\$1.02	D/AST40	\$1.24	D/ASTCO40	\$2.35
41	.0960	13/16"	1-13/16"	DWDST41	\$1.02	D/AST41	\$1.24	D/ASTCO41	\$2.44
42	.0935	3/4"	1-3/4"	DWDST42	\$1.02	D/AST42	\$1.24	D/ASTCO42	\$2.40
43	.0890	3/4"	1-3/4"	DWDST43	\$1.02	D/AST43	\$1.24	D/ASTCO43	\$2.40
44	.0860	3/4"	1-3/4"	DWDST44	\$1.02	D/AST44	\$1.24	D/ASTCO44	\$2.40
45	.0820	3/4"	1-3/4"	DWDST45	\$1.02	D/AST45	\$1.24	D/ASTCO45	\$2.40
46	.0810	3/4"	1-3/4"	DWDST46	\$1.02	D/AST46	\$1.24	D/ASTCO46	\$2.40
47	.0785	11/16"	1-11/16"	DWDST47	\$1.02	D/AST47	\$1.24	D/ASTCO47	\$2.40
48	.0760	11/16"	1-11/16"	DWDST48	\$1.02	D/AST48	\$1.24	D/ASTCO48	\$2.40
49	.0730	11/16"	1-11/16"	DWDST49	\$1.02	D/AST49	\$1.24	D/ASTCO49	\$2.40
50	.0700	11/16"	1-11/16"	DWDST50	\$1.02	D/AST50	\$1.24	D/ASTCO50	\$2.40
51	.0670	11/16"	1-11/16"	DWDST51	\$1.02	D/AST51	\$1.24	D/ASTCO51	\$2.40
52	.0635	11/16"	1-11/16"	DWDST52	\$1.02	D/AST52	\$1.24	D/ASTCO52	\$2.40
*53	.0595	5/8"	1-5/8"	DWDST53	\$1.02	D/AST53	\$1.24	D/ASTCO53	\$2.69
*54	.0550	5/8"	1-5/8"	DWDST54	\$1.02	D/AST54	\$1.24	D/ASTCO54	\$2.69
*55	.0520	5/8"	1-5/8"	DWDST55	\$1.02	D/AST55	\$1.24	D/ASTCO55	\$2.69
*56	.0465	1/2"	1-3/8"	DWDST56	\$1.02	D/AST56	\$1.24	D/ASTCO56	\$2.69
*57	.0430	1/2"	1-3/8"	DWDST57	\$1.19	D/AST57	\$1.44	D/ASTCO57	\$2.69
*58	.0420	1/2"	1-3/8"	DWDST58	\$1.19	D/AST58	\$1.44	D/ASTCO58	\$2.87
*59	.0410	1/2"	1-3/8"	DWDST59	\$1.26	D/AST59	\$1.55	D/ASTCO59	\$2.87
*60	.0400	1/2"	1-3/8"	DWDST60	\$1.26	D/AST60	\$1.55	D/ASTCO60	\$2.87

*118° Standard Point

SCREW MACHINE LENGTH DRILLS 135° SPLIT POINT

LETTER SIZES



				DWDST Series		D/AST Series		D/ASTCO Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price	Part Number	List Price
A	.2340	1-5/16"	2-7/16"	DWDSTA	\$2.67	D/ASTA	\$3.72	D/ASTCOA	\$7.47
B	.2380	1-3/8"	2-1/2"	DWDSTB	\$2.67	D/ASTB	\$3.72	D/ASTCOB	\$7.95
C	.2420	1-3/8"	2-1/2"	DWDSTC	\$2.67	D/ASTC	\$3.72	D/ASTCOC	\$7.95
D	.2460	1-3/8"	2-1/2"	DWDSTD	\$2.67	D/ASTD	\$3.72	D/ASTCOD	\$7.95
E	.2500	1-3/8"	2-1/2"	DWDSTE	\$2.88	D/ASTE	\$4.00	D/ASTCOE	\$7.24
F	.2570	1-7/16"	2-5/8"	DWDSTF	\$3.10	D/ASTF	\$4.16	D/ASTCOF	\$8.41
G	.2610	1-7/16"	2-5/8"	DWDSTG	\$3.24	D/ASTG	\$4.43	D/ASTCOG	\$8.41
H	.2660	1-1/2"	2-11/16"	DWDSTH	\$3.24	D/ASTH	\$4.43	D/ASTCOH	\$8.92
I	.2720	1-1/2"	2-11/16"	DWDSTI	\$3.24	D/ASTI	\$4.43	D/ASTCOI	\$8.92
J	.2770	1-1/2"	2-11/16"	DWDSTJ	\$3.48	D/ASTJ	\$4.67	D/ASTCOJ	\$8.92
K	.2810	1-1/2"	2-11/16"	DWDSTK	\$3.72	D/ASTK	\$5.08	D/ASTCOK	\$8.92
L	.2900	1-9/16"	2-3/4"	DWDSTL	\$3.72	D/ASTL	\$5.08	D/ASTCOL	\$10.56
M	.2950	1-9/16"	2-3/4"	DWDSTM	\$4.06	D/ASTM	\$5.56	D/ASTCOM	\$10.56
N	.3020	1-5/8"	2-13/16"	DWDSTN	\$4.06	D/ASTN	\$5.56	D/ASTCON	\$11.35
O	.3160	1-11/16"	2-15/16"	DWDSTO	\$4.12	D/ASTO	\$5.56	D/ASTCOO	\$12.58
P	.3230	1-11/16"	2-15/16"	DWDSTP	\$4.62	D/ASTP	\$6.26	D/ASTCOP	\$12.58
Q	.3320	1-11/16"	3"	DWDSTQ	\$4.66	D/ASTQ	\$6.26	D/ASTCOQ	\$13.60
R	.3390	1-11/16"	3"	DWDSTR	\$4.70	D/ASTR	\$6.34	D/ASTCOR	\$13.60
S	.3480	1-3/4"	3-1/16"	DWDSTS	\$5.34	D/ASTS	\$7.20	D/ASTCOS	\$16.94
T	.3580	1-3/4"	3-1/16"	DWDSTT	\$6.20	D/ASTT	\$8.37	D/ASTCOT	\$16.94
U	.3680	1-13/16"	3-1/8"	DWDSTU	\$6.20	D/ASTU	\$8.37	D/ASTCOU	\$16.94
V	.3770	1-7/8"	3-1/4"	DWDSTV	\$6.69	D/ASTV	\$8.91	D/ASTCOV	\$18.78
W	.3860	1-7/8"	3-1/4"	DWDSTW	\$7.06	D/ASTW	\$9.39	D/ASTCOW	\$18.78
X	.3970	1-15/16"	3-5/16"	DWDSTX	\$8.14	D/ASTX	\$10.88	D/ASTCOX	\$18.78
Y	.4040	1-15/16"	3-5/16"	DWDSTY	\$9.65	D/ASTY	\$12.87	D/ASTCOY	\$18.78
Z	.4130	2"	3-3/8"	DWDSTZ	\$9.65	D/ASTZ	\$12.87	D/ASTCOZ	\$21.54

BLUE DIAMOND SEGMENT

DIA Series - Diamond Bits



Size	Part Number	List Price
1/4"	DIA1/4	\$48.02
5/16"	DIA5/16	\$43.88
3/8"	DIA3/8	\$48.87
1/2"	DIA1/2	\$62.77

SHARPENING STONE
DIA416 \$25.02



KFD MECHANICS LENGTH DRILLS

135° SPLIT POINT

KFDML Series - KFD Mechanics Length

Manufactured from premium grade high speed steel, Killer Force Drills have a heavy duty 135° split point for self-centering and reducing thrust. Gold and black surface treated for use in stainless steel and other hard metal drilling. *Sizes 1/16" - 11/64" have a round shank.



F R A C T I O N A L S I Z E S

KFDML Series						KFDML Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
*1/16"	.0625	7/8"	1-7/8"	KFDML1/16	\$1.20	19/64"	.2969	2-1/4"	3-3/4"	KFDML19/64	\$4.78
*5/64"	.0781	1"	2"	KFDML5/64	\$1.29	5/16"	.3125	2-3/8"	4"	KFDML5/16	\$4.92
*3/32"	.0938	1-1/8"	2-1/4"	KFDML3/32	\$1.29	21/64"	.3281	2-1/2"	4-1/16"	KFDML21/64	\$5.19
*7/64"	.1094	1-1/8"	2-3/8"	KFDML7/64	\$1.52	11/32"	.3438	2-9/16"	4-1/8"	KFDML11/32	\$6.22
*1/8"	.1250	1-3/16"	2-1/2"	KFDML1/8	\$1.52	23/64"	.3594	2-9/16"	4-3/16"	KFDML23/64	\$6.91
*9/64"	.1406	1-3/8"	2-5/8"	KFDML9/64	\$1.52	3/8"	.3750	2-5/8"	4-1/4"	KFDML3/8	\$7.38
*5/32"	.1562	1-1/2"	2-3/4"	KFDML5/32	\$1.71	25/64"	.3906	2-5/8"	4-5/16"	KFDML25/64	\$8.11
*11/64"	.1719	1-9/16"	2-7/8"	KFDML11/64	\$1.74	13/32"	.4062	2-11/16"	4-3/8"	KFDML13/32	\$8.51
3/16"	.1875	1-5/8"	3"	KFDML3/16	\$2.13	27/64"	.4219	2-3/4"	4-7/16"	KFDML27/64	\$8.98
13/64"	.2031	1-11/16"	3-1/8"	KFDML13/64	\$2.42	7/16"	.4375	2-7/8"	4-1/2"	KFDML7/16	\$9.42
7/32"	.2188	1-3/4"	3-1/4"	KFDML7/32	\$2.64	29/64"	.4531	2-15/16"	4-5/8"	KFDML29/64	\$10.61
15/64"	.2344	1-7/8"	3-3/8"	KFDML15/64	\$2.96	15/32"	.4688	3"	4-3/4"	KFDML15/32	\$11.26
1/4"	.2500	2"	3-1/2"	KFDML1/4	\$3.14	31/64"	.4844	3-1/8"	4-7/8"	KFDML31/64	\$11.66
17/64"	.2656	2"	3-5/8"	KFDML17/64	\$3.96	1/2"	.5000	3-1/4"	5"	KFDML1/2	\$12.06
9/32"	.2812	2-3/16"	3-5/8"	KFDML9/32	\$4.01						

HSS DOUBLE END DRILLS

135° SPLIT POINT

DWDDE - Economy

D/ADE - Premium Quality

Used for drilling truck and auto bodies, or any thin sheet metal. Popular for pop rivet drilling applications. 135° self-centering split point aids in penetration.



				DWDDE Series		D/ADE Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
7/64"	.1094	1/2"	1-7/8"	DWDDE7/64	\$2.09	D/ADE7/64	\$3.35
1/8"	.1250	1/2"	2"	DWDDE1/8	\$1.87	D/ADE1/8	\$3.20
30	.1285	1/2"	2"	DWDDE30	\$1.87	D/ADE30	\$3.20
9/64"	.1406	1/2"	2"	DWDDE9/64	\$1.99	D/ADE9/64	\$3.26
5/32"	.1563	1/2"	2-1/16"	DWDDE5/32	\$2.17	D/ADE5/32	\$3.55
20	.1610	1/2"	2-1/8"	DWDDE20	\$3.00	D/ADE20	\$4.88
3/16"	.1875	1/2"	2-3/16"	DWDDE3/16	\$2.95	D/ADE3/16	\$4.38
11	.1910	1/2"	2-1/4"	DWDDE11	\$4.05	D/ADE11	\$5.98
7/32"	.2188	1/2"	2-3/8"	DWDDE7/32	\$3.79	D/ADE7/32	\$5.63
1/4"	.2500	1/2"	2-1/2"	DWDDE1/4	\$4.54	D/ADE1/4	\$6.71

SOLID CARBIDE DRILLS

118° POINT

DMOD Series - Solid Carbide Drills

Solid carbide drills are designed for drilling abrasive materials when drilling accuracy must be maintained and/or when used in high temperature drilling applications. Solid Carbide drills are used on materials such as cast iron, the non-ferrous alloys, high silicon aluminum, copper, plastics, bronze, hard rubber, plexiglass, and other similar materials.

F R A C T I O N A L S I Z E S

DMOD Series						DMOD Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
1/32"	.0312	1/2"	1-1/4"	DMOD1/32	\$20.78	9/32"	.2813	2-1/8"	3-1/2"	DMOD9/32	\$60.25
3/64"	.0469	3/4"	1-1/2"	DMOD3/64	\$15.86	19/64"	.2969	2-3/8"	3-3/4"	DMOD19/64	\$68.80
1/16"	.0625	3/4"	1-1/2"	DMOD1/16	\$15.29	5/16"	.3125	2-3/8"	3-3/4"	DMOD5/16	\$67.56
5/64"	.0781	7/8"	1-3/4"	DMOD5/64	\$16.40	21/64"	.3281	2-1/2"	4"	DMOD21/64	\$79.66
3/32"	.0938	1"	2"	DMOD3/32	\$18.76	11/32"	.3438	2-1/2"	4"	DMOD11/32	\$85.81
7/64"	.1094	1-1/4"	2-1/4"	DMOD7/64	\$22.20	23/64"	.3594	2-3/4"	4-1/4"	DMOD23/64	\$90.62
1/8"	.1250	1-1/4"	2-1/4"	DMOD1/8	\$22.20	3/8"	.3750	2-3/4"	4-1/4"	DMOD3/8	\$96.56
9/64"	.1406	1-3/8"	2-1/2"	DMOD9/64	\$26.16	25/64"	.3906	2-7/8"	4-1/2"	DMOD25/64	\$115.29
5/32"	.1563	1-3/8"	2-1/2"	DMOD5/32	\$28.13	13/32"	.4063	2-7/8"	4-1/2"	DMOD13/32	\$124.73
11/64"	.1719	1-5/8"	2-3/4"	DMOD11/64	\$33.91	27/64"	.4219	2-7/8"	4-1/2"	DMOD27/64	\$131.32
3/16"	.1875	1-5/8"	2-3/4"	DMOD3/16	\$33.80	7/16"	.4375	2-7/8"	4-1/2"	DMOD7/16	\$131.71
13/64"	.2031	1-3/4"	3"	DMOD13/64	\$42.16	29/64"	.4531	3"	4-3/4"	DMOD29/64	\$154.55
7/32"	.2188	1-3/4"	3"	DMOD7/32	\$45.17	15/32"	.4688	3"	4-3/4"	DMOD15/32	\$160.45
15/64"	.2344	2"	3-1/4"	DMOD15/64	\$48.69	31/64"	.4844	3"	4-3/4"	DMOD31/64	\$164.02
1/4"	.2500	2"	3-1/4"	DMOD1/4	\$46.92	1/2"	.5000	3"	4-3/4"	DMOD1/2	\$163.42
17/64"	.2656	2-1/8"	3-1/2"	DMOD17/64	\$57.80						



W I R E G A U G E S I Z E S

DMOD Series						DMOD Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
1	.2280	1-3/4"	3"	DMOD1	\$47.35	31	.1200	1-1/4"	2-1/4"	DMOD31	\$24.18
2	.2210	1-3/4"	3"	DMOD2	\$47.11	32	.1160	1-1/4"	2-1/4"	DMOD32	\$24.42
3	.2130	1-3/4"	3"	DMOD3	\$45.30	33	.1130	1-1/4"	2-1/4"	DMOD33	\$23.44
4	.2090	1-3/4"	3"	DMOD4	\$44.42	34	.1110	1-1/4"	2-1/4"	DMOD34	\$23.44
5	.2055	1-3/4"	3"	DMOD5	\$43.59	35	.1100	1-1/4"	2-1/4"	DMOD35	\$22.76
6	.2040	1-3/4"	3"	DMOD6	\$42.81	36	.1065	1-1/4"	2-1/4"	DMOD36	\$23.53
7	.2010	1-3/4"	3"	DMOD7	\$47.47	37	.1040	1-1/4"	2-1/4"	DMOD37	\$23.04
8	.1990	1-3/4"	3"	DMOD8	\$40.78	38	.1015	1-1/4"	2-1/4"	DMOD38	\$23.04
9	.1960	1-3/4"	3"	DMOD9	\$39.56	39	.0995	1-1/4"	2-1/4"	DMOD39	\$22.48
10	.1935	1-5/8"	2-3/4"	DMOD10	\$36.96	40	.0980	1"	2"	DMOD40	\$21.09
11	.1910	1-5/8"	2-3/4"	DMOD11	\$40.13	41	.0960	1"	2"	DMOD41	\$21.09
12	.1890	1-5/8"	2-3/4"	DMOD12	\$36.82	42	.0935	1"	2"	DMOD42	\$20.21
13	.1850	1-5/8"	2-3/4"	DMOD13	\$35.51	43	.0890	1"	2"	DMOD43	\$20.21
14	.1820	1-5/8"	2-3/4"	DMOD14	\$35.20	44	.0860	1"	2"	DMOD44	\$20.21
15	.1800	1-5/8"	2-3/4"	DMOD15	\$34.50	45	.0820	7/8"	1-3/4"	DMOD45	\$20.21
16	.1770	1-5/8"	2-3/4"	DMOD16	\$35.85	46	.0810	7/8"	1-3/4"	DMOD46	\$20.21
17	.1730	1-5/8"	2-3/4"	DMOD17	\$35.36	47	.0785	7/8"	1-3/4"	DMOD47	\$18.70
18	.1695	1-5/8"	2-3/4"	DMOD18	\$34.25	48	.0760	7/8"	1-3/4"	DMOD48	\$17.98
19	.1660	1-5/8"	2-3/4"	DMOD19	\$33.71	49	.0730	7/8"	1-3/4"	DMOD49	\$17.98
20	.1610	1-3/8"	2-1/2"	DMOD20	\$30.98	50	.0700	7/8"	1-3/4"	DMOD50	\$16.40
21	.1590	1-3/8"	2-1/2"	DMOD21	\$30.73	51	.0670	3/4"	1-1/2"	DMOD51	\$16.40
22	.1570	1-3/8"	2-1/2"	DMOD22	\$31.34	52	.0635	3/4"	1-1/2"	DMOD52	\$16.40
23	.1540	1-3/8"	2-1/2"	DMOD23	\$29.26	53	.0595	3/4"	1-1/2"	DMOD53	\$16.89
24	.1520	1-3/8"	2-1/2"	DMOD24	\$27.71	54	.0550	3/4"	1-1/2"	DMOD54	\$16.89
25	.1495	1-3/8"	2-1/2"	DMOD25	\$27.60	55	.0520	3/4"	1-1/2"	DMOD55	\$16.74
26	.1470	1-3/8"	2-1/2"	DMOD26	\$28.32	56	.0465	3/4"	1-1/2"	DMOD56	\$17.89
27	.1440	1-3/8"	2-1/2"	DMOD27	\$28.32	57	.0430	3/4"	1-1/2"	DMOD57	\$21.21
28	.1405	1-3/8"	2-1/2"	DMOD28	\$28.20	58	.0420	3/4"	1-1/2"	DMOD58	\$21.21
29	.1360	1-3/8"	2-1/2"	DMOD29	\$25.87	59	.0410	3/4"	1-1/2"	DMOD59	\$21.21
30	.1285	1-1/4"	2-1/4"	DMOD30	\$24.00	60	.0400	3/4"	1-1/2"	DMOD60	\$21.21

SOLID CARBIDE DRILLS

118° POINT

LETTER SIZES

DMOD Series						DMOD Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
A	.2340	2"	3-1/4"	DMODA	\$54.86	N	.3020	2-3/8"	3-3/4"	DMODN	\$81.90
B	.2380	2"	3-1/4"	DMODB	\$55.77	O	.3160	2-3/8"	3-3/4"	DMODO	\$88.28
C	.2420	2"	3-1/4"	DMODC	\$56.42	P	.3230	2-3/8"	3-3/4"	DMODP	\$88.28
D	.2460	2"	3-1/4"	DMODD	\$56.81	Q	.3320	2-1/2"	4"	DMODQ	\$92.07
E	.2500	2"	3-1/4"	DMODE	\$58.37	R	.3390	2-1/2"	4"	DMODR	\$95.60
F	.2570	2"	3-1/4"	DMODF	\$62.78	S	.3480	2-1/2"	4"	DMODS	\$99.67
G	.2610	2-1/8"	3-1/2"	DMODG	\$63.60	T	.3580	2-3/4"	4-1/4"	DMODT	\$101.70
H	.2660	2-1/8"	3-1/2"	DMODH	\$66.85	U	.3680	2-3/4"	4-1/4"	DMODU	\$115.12
I	.2720	2-1/8"	3-1/2"	DMODI	\$67.80	V	.3770	2-3/4"	4-1/4"	DMODV	\$124.80
J	.2770	2-1/8"	3-1/2"	DMODJ	\$69.02	W	.3860	2-7/8"	4-1/2"	DMODW	\$127.92
K	.2810	2-1/8"	3-1/2"	DMODK	\$69.44	X	.3970	2-7/8"	4-1/2"	DMODX	\$138.81
L	.2900	2-1/8"	3-1/2"	DMODL	\$72.27	Y	.4040	2-7/8"	4-1/2"	DMODY	\$139.94
M	.2950	2-3/8"	3-3/4"	DMODM	\$77.57	Z	.4130	2-7/8"	4-1/2"	DMODZ	\$146.74

DIE DRILLS

D/ADIE Series - Carbide Tipped Die Drills

Run at 75 to 100 surface feet per minute with steady hand feed. It is good practice to clear the drill from the hole to allow coolant to wash away the chips. Designed for drilling hardened steels in the range of 45-65 Rc. Note: Sizes under 11/64" are solid carbide spade construction.

D/ADIE Series						D/ADIE Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
1/16"	.0625	15/32"	2"	D/ADIE1/16	\$21.17	27/64"	.4219	3"	5-1/2"	D/ADIE27/64	\$95.34
3/32"	.0938	17/32"	2"	D/ADIE3/32	\$21.32	7/16"	.4375	3"	5-1/2"	D/ADIE7/16	\$95.34
1/8"	.1250	21/32"	2"	D/ADIE1/8	\$22.44	29/64"	.4531	3-1/4"	5-3/4"	D/ADIE29/64	\$114.34
5/32"	.1562	21/32"	2"	D/ADIE5/32	\$30.04	15/32"	.4688	3-1/4"	5-3/4"	D/ADIE15/32	\$104.81
11/64"	.1719	1-1/2"	3-1/2"	D/ADIE11/64	\$51.98	31/64"	.4844	3-1/2"	6"	D/ADIE31/64	\$148.23
3/16"	.1875	1-1/2"	3-1/2"	D/ADIE3/16	\$51.98	1/2"	.5000	3-1/2"	6"	D/ADIE1/2	\$122.89
13/64"	.2031	1-3/4"	3-3/4"	D/ADIE13/64	\$53.60	17/32"	.5312	3-1/2"	6"	D/ADIE17/32	\$148.39
7/32"	.2188	1-3/4"	3-3/4"	D/ADIE7/32	\$53.60	9/16"	.5625	3-1/2"	6"	D/ADIE9/16	\$148.39
15/64"	.2344	2"	4"	D/ADIE15/64	\$55.52	19/32"	.5938	4"	7"	D/ADIE19/32	\$176.62
1/4"	.2500	2"	4"	D/ADIE1/4	\$55.52	5/8"	.6250	4"	7"	D/ADIE5/8	\$161.90
17/64"	.2656	2-1/4"	4-1/4"	D/ADIE17/64	\$67.27	21/32"	.6562	4-1/2"	7-1/2"	D/ADIE21/32	\$170.54
9/32"	.2812	2-1/4"	4-1/4"	D/ADIE9/32	\$58.66	11/16"	.6875	4-1/2"	7-1/2"	D/ADIE11/16	\$175.33
19/64"	.2969	2-1/2"	4-1/2"	D/ADIE19/64	\$61.36	23/32"	.7188	4-3/4"	8"	D/ADIE23/32	\$184.01
5/16"	.3125	2-1/2"	4-1/2"	D/ADIE5/16	\$61.36	3/4"	.7500	4-3/4"	8"	D/ADIE3/4	\$188.81
21/64"	.3281	2-3/4"	4-3/4"	D/ADIE21/64	\$66.06						
11/32"	.3438	2-3/4"	4-3/4"	D/ADIE11/32	\$66.06						
23/64"	.3594	3"	5"	D/ADIE23/64	\$82.23						
3/8"	.3750	3"	5"	D/ADIE3/8	\$70.38						
25/64"	.3906	3"	5-1/4"	D/ADIE25/64	\$89.58						
13/32"	.4062	3"	5-1/4"	D/ADIE13/32	\$82.11						

CARBIDE SPADE DRILLS

DMOSPADE Series - Carbide Spade Drills

DMOSPADE Series						DMOSPADE Series					
Size	Dec. Equiv.	O.A.L.	Part Number	List Price		Size	Dec. Equiv.	O.A.L.	Part Number	List Price	
1/16"	0.0625	1-1/2"	DMO1/16SPADE	\$24.05		9/32"	0.2813	2"	DMO9/32SPADE	\$56.92	
3/32"	0.0938	1-1/2"	DMO3/32SPADE	\$24.05		5/16"	0.3125	2-1/2"	DMO5/16SPADE	\$65.25	
7/64"	0.1094	1-1/2"	DMO7/64SPADE	\$21.58		11/32"	0.3438	2-1/2"	DMO11/32SPADE	\$72.62	
1/8"	0.1250	1-1/2"	DMO1/8SPADE	\$24.53		3/8"	0.3750	2-1/2"	DMO3/8SPADE	\$76.80	
9/64"	0.1406	1-1/2"	DMO9/64SPADE	\$24.32		13/32"	0.4063	2-1/2"	DMO13/32SPADE	\$89.46	
5/32"	0.1563	2"	DMO5/32SPADE	\$28.86		7/16"	0.4375	2-3/4"	DMO7/16SPADE	\$92.20	
11/64"	0.1719	2"	DMO11/64SPADE	\$28.86		15/32"	0.4688	2-1/2"	DMO15/32SPADE	\$106.63	
3/16"	0.1875	2"	DMO3/16SPADE	\$32.54		1/2"	0.5000	3'	DMO1/2SPADE	\$114.47	
7/32"	0.2188	2"	DMO7/32SPADE	\$40.56							
1/4"	0.2500	2"	DMO1/4SPADE	\$45.86							

CARBIDE TIPPED JOBBER DRILLS

118° POINT

D/ACT Series - Carbide Tipped

Features heavy-duty construction and heat treated body for optimum wear resistance and support of the carbide tip. Used in the production of cast iron, non-ferrous metals, and many composite materials such as hard rubber or copper alloys NOT RECOMMENDED FOR DRILLING STEEL.



FRACTIONAL SIZES

D/ACT Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
1/8"	.1250	1-5/8"	2-3/4"	D/ACT1/8	\$25.62
9/64"	.1406	1-3/4"	2-7/8"	D/ACT9/64	\$27.08
5/32"	.1562	2"	3-1/8"	D/ACT5/32	\$27.08
11/64"	.1719	2-1/8"	3-1/4"	D/ACT11/64	\$32.43
3/16"	.1875	2-5/16"	3-1/2"	D/ACT3/16	\$28.93
13/64"	.2031	2-7/16"	3-5/8"	D/ACT13/64	\$34.40
7/32"	.2188	2-1/2"	3-3/4"	D/ACT7/32	\$34.40
15/64"	.2344	2-5/8"	3-7/8"	D/ACT15/64	\$37.20
1/4"	.2500	2-3/4"	4"	D/ACT1/4	\$34.10
17/64"	.2656	2-7/8"	4-1/8"	D/ACT17/64	\$40.08
9/32"	.2812	2-15/16"	4-1/4"	D/ACT9/32	\$40.08
19/64"	.2969	3-1/16"	4-3/8"	D/ACT19/64	\$43.38
5/16"	.3125	3-3/16"	4-1/2"	D/ACT5/16	\$43.38
21/64"	.3281	3-5/16"	4-5/8"	D/ACT21/64	\$46.09
11/32"	.3438	3-7/16"	4-3/4"	D/ACT11/32	\$50.28
23/64"	.3594	3-1/2"	4-7/8"	D/ACT23/64	\$53.44
3/8"	.3750	3-5/8"	5"	D/ACT3/8	\$49.00
25/64"	.3906	3-3/4"	5-1/8"	D/ACT25/64	\$53.36
13/32"	.4062	3-7/8"	5-1/4"	D/ACT13/32	\$53.36
27/64"	.4219	3-15/16"	5-3/8"	D/ACT27/64	\$63.07
7/16"	.4375	4-1/16"	5-1/2"	D/ACT7/16	\$57.81
29/64"	.4531	4-3/16"	5-5/8"	D/ACT29/64	\$72.87
15/32"	.4688	4-5/16"	5-3/4"	D/ACT15/32	\$70.88
31/64"	.4844	4-3/8"	5-7/8"	D/ACT31/64	\$79.34
1/2"	.5000	4-1/2"	6"	D/ACT1/2	\$79.34

WIRE GAUGE SIZES

D/ACT Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
1	.2280	2-5/8"	3-7/8"	D/ACT1	\$36.77
2	.2210	2-5/8"	3-7/8"	D/ACT2	\$36.77
3	.2130	2-1/2"	3-3/4"	D/ACT3	\$34.79
4	.2090	2-1/2"	3-3/4"	D/ACT4	\$34.79
5	.2055	2-1/2"	3-3/4"	D/ACT5	\$34.79
6	.2040	2-1/2"	3-3/4"	D/ACT6	\$34.79
7	.2010	2-7/16"	3-5/8"	D/ACT7	\$34.79
8	.1990	2-7/16"	3-5/8"	D/ACT8	\$34.79
9	.1960	2-7/16"	3-5/8"	D/ACT9	\$34.79
10	.1935	2-7/16"	3-5/8"	D/ACT10	\$34.79
11	.1910	2-5/16"	3-1/2"	D/ACT11	\$34.79
12	.1890	2-5/16"	3-1/2"	D/ACT12	\$34.79
13	.1850	2-5/16"	3-1/2"	D/ACT13	\$34.79
14	.1820	2-3/16"	3-3/8"	D/ACT14	\$32.89
15	.1800	2-3/16"	3-3/8"	D/ACT15	\$32.89
16	.1770	2-3/16"	3-3/8"	D/ACT16	\$32.89
17	.1730	2-3/16"	3-3/8"	D/ACT17	\$32.89
18	.1695	2-1/8"	3-1/4"	D/ACT18	\$32.89
19	.1660	2-1/8"	3-1/4"	D/ACT19	\$32.89
20	.1610	2-1/8"	3-1/4"	D/ACT20	\$32.89
21	.1590	2-1/8"	3-1/4"	D/ACT21	\$32.89
22	.1570	2"	3-1/8"	D/ACT22	\$32.89
23	.1540	2"	3-1/8"	D/ACT23	\$31.07
24	.1520	2"	3-1/8"	D/ACT24	\$31.07
25	.1495	1-7/8"	3"	D/ACT25	\$31.07
26	.1470	1-7/8"	3"	D/ACT26	\$31.07
27	.1440	1-7/8"	3"	D/ACT27	\$31.07
28	.1405	1-3/4"	2-7/8"	D/ACT28	\$31.07
29	.1360	1-3/4"	2-7/8"	D/ACT29	\$30.49
30	.1285	1-5/8"	2-3/4"	D/ACT30	\$29.63
31	.1200	1-5/8"	2-3/4"	D/ACT31	\$29.63
32	.1160	1-5/8"	2-3/4"	D/ACT32	\$30.49

LETTER SIZES

D/ACT Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
A	.2340	2-5/8"	3-7/8"	D/ACTA	\$42.16
B	.2380	2-3/4"	4"	D/ACTB	\$42.16
C	.2420	2-3/4"	4"	D/ACTC	\$42.16
D	.2460	2-3/4"	4"	D/ACTD	\$42.16
E	.2500	2-3/4"	4"	D/ACTE	\$40.28
F	.2570	2-7/8"	4-1/8"	D/ACTF	\$47.63
G	.2610	2-7/8"	4-1/8"	D/ACTG	\$48.48
H	.2660	2-7/8"	4-1/8"	D/ACTH	\$48.48
I	.2720	2-7/8"	4-1/8"	D/ACTI	\$48.48
J	.2770	2-7/8"	4-1/8"	D/ACTJ	\$49.58
K	.2810	2-15/16"	4-1/4"	D/ACTK	\$49.58
L	.2900	2-15/16"	4-1/4"	D/ACTL	\$49.58
M	.2950	3-1/16"	4-3/8"	D/ACTM	\$52.41

D/ACT Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
N	.3020	3-1/16"	4-3/8"	D/ACTN	\$52.41
O	.3160	3-3/16"	4-1/2"	D/ACTO	\$52.41
P	.3230	3-5/16"	4-5/8"	D/ACTP	\$55.81
Q	.3320	3-7/16"	4-3/4"	D/ACTQ	\$55.81
R	.3390	3-7/16"	4-3/4"	D/ACTR	\$55.81
S	.3480	3-1/2"	4-7/8"	D/ACTS	\$59.26
T	.3580	3-1/2"	4-7/8"	D/ACTT	\$59.26
U	.3680	3-5/8"	5"	D/ACTU	\$59.26
V	.3770	3-5/8"	5"	D/ACTV	\$60.45
W	.3860	3-3/4"	5-1/8"	D/ACTW	\$65.92
X	.3970	3-3/4"	5-1/8"	D/ACTX	\$65.92
Y	.4040	3-7/8"	5-1/4"	D/ACTY	\$65.92
Z	.4130	3-7/8"	5-1/4"	D/ACTZ	\$72.99

HSS REDUCED SHANK DRILLS

DWDRSD Series - High Speed Steel Economy 118° Point

D/ARSD Series - High Speed Steel Premium Quality 118° Point

KFDRSD Series - Black and Gold 135° Split Point

D/ACO Series - Cobalt Premium Quality 135° Split Point

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				DWDRSD Series		D/ARSD Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
17/64"	.2656	2-1/4"	3-1/2"	DWDRSD17/64	\$5.85	D/ARSD17/64	\$6.50
9/32"	.2813	2-1/4"	3-9/16"	DWDRSD9/32	\$5.85	D/ARSD9/32	\$6.50
19/64"	.2969	2-3/8"	3-11/16"	DWDRSD19/64	\$6.77	D/ARSD19/64	\$7.52
5/16"	.3125	2-1/2"	3-13/16"	DWDRSD5/16	\$6.77	D/ARSD5/16	\$7.52
21/64"	.3281	2-9/16"	3-13/16"	DWDRSD21/64	\$7.81	D/ARSD21/64	\$8.67
11/32"	.3438	2-5/8"	4"	DWDRSD11/32	\$7.81	D/ARSD11/32	\$8.67
23/64"	.3594	2-3/4"	4-1/8"	DWDRSD23/64	\$8.70	D/ARSD23/64	\$9.70
3/8"	.3750	2-7/8"	4-1/4"	DWDRSD3/8	\$8.70	D/ARSD3/8	\$9.70
25/64"	.3906	3"	4-5/16"	DWDRSD25/64	\$10.12	D/ARSD25/64	\$11.24
13/32"	.4063	3-1/8"	4-7/16"	DWDRSD13/32	\$10.12	D/ARSD13/32	\$11.24
27/64"	.4219	3-1/8"	4-9/16"	DWDRSD27/64	\$11.32	D/ARSD27/64	\$12.60
7/16"	.4375	3-3/8"	4-11/16"	DWDRSD7/16	\$11.32	D/ARSD7/16	\$12.60
29/64"	.4531	3-3/8"	4-3/4"	DWDRSD29/64	\$12.90	D/ARSD29/64	\$14.33
15/32"	.4688	3-1/2"	4-7/8"	DWDRSD15/32	\$12.90	D/ARSD15/32	\$14.33
31/64"	.4844	3-1/2"	5"	DWDRSD31/64	\$14.61	D/ARSD31/64	\$16.23
1/2"	.5000	3-5/8"	5-1/16"	DWDRSD1/2	\$14.61	D/ARSD1/2	\$16.23



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3 " F L U T E L E N G T H 6 " O . A . L .



DWDRSD Series			D/ARSD Series		KFDRSD Series		D/ACO Series	
Size	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
25/64"	DWDRSD3/8X25/64	\$9.79	D/ARSD3/8X25/64	\$10.92	KFDRSD3/8X25/64	\$9.80	D/ACO3/8X25/64	\$20.82
13/32"	DWDRSD3/8X13/32	\$9.79	D/ARSD3/8X13/32	\$10.92	KFDRSD3/8X13/32	\$10.02	D/ACO3/8X13/32	\$21.98
27/64"	DWDRSD3/8X27/64	\$10.50	D/ARSD3/8X27/64	\$12.69	KFDRSD3/8X27/64	\$10.94	D/ACO3/8X27/64	\$23.27
7/16"	DWDRSD3/8X7/16	\$10.50	D/ARSD3/8X7/16	\$12.69	KFDRSD3/8X7/16	\$11.63	D/ACO3/8X7/16	\$24.02
29/64"	DWDRSD3/8X29/64	\$12.44	D/ARSD3/8X29/64	\$14.08	KFDRSD3/8X29/64	\$13.11	D/ACO3/8X29/64	\$28.64
15/32"	DWDRSD3/8X15/32	\$12.44	D/ARSD3/8X15/32	\$14.08	KFDRSD3/8X15/32	\$13.39	D/ACO3/8X15/32	\$28.94
31/64"	DWDRSD3/8X31/64	\$12.44	D/ARSD3/8X31/64	\$15.93	KFDRSD3/8X31/64	\$13.95	D/ACO3/8X31/64	\$29.75
1/2"	DWDRSD3/8X1/2	\$12.44	D/ARSD3/8X1/2	\$15.36	KFDRSD3/8X1/2	\$14.31	D/ACO3/8X1/2	\$30.25
33/64"	DWDRSD3/8X33/64	\$22.83	D/ARSD3/8X33/64	\$35.12	KFDRSD3/8X33/64	\$27.64	D/ACO3/8X33/64	\$72.95
17/32"	DWDRSD3/8X17/32	\$22.83	D/ARSD3/8X17/32	\$35.12	KFDRSD3/8X17/32	\$27.64	D/ACO3/8X17/32	\$70.35
35/64"	DWDRSD3/8X35/64	\$24.26	D/ARSD3/8X35/64	\$37.35	KFDRSD3/8X35/64	\$29.47	D/ACO3/8X35/64	\$72.95
9/16"	DWDRSD3/8X9/16	\$24.26	D/ARSD3/8X9/16	\$37.35	KFDRSD3/8X9/16	\$29.47	D/ACO3/8X9/16	\$70.35
37/64"	DWDRSD3/8X37/64	\$26.07	D/ARSD3/8X37/64	\$40.11	KFDRSD3/8X37/64	\$31.48	D/ACO3/8X37/64	\$82.14
19/32"	DWDRSD3/8X19/32	\$26.07	D/ARSD3/8X19/32	\$40.11	KFDRSD3/8X19/32	\$31.48	D/ACO3/8X19/32	\$79.21
39/64"	DWDRSD3/8X39/64	\$27.31	D/ARSD3/8X39/64	\$42.04	KFDRSD3/8X39/64	\$33.22	D/ACO3/8X39/64	\$82.14
5/8"	DWDRSD3/8X5/8	\$27.31	D/ARSD3/8X5/8	\$42.04	KFDRSD3/8X5/8	\$33.22	D/ACO3/8X5/8	\$79.21
41/64"	DWDRSD3/8X41/64	\$29.13	D/ARSD3/8X41/64	\$44.85	KFDRSD3/8X41/64	\$35.30	D/ACO3/8X41/64	\$90.18
21/32"	DWDRSD3/8X21/32	\$29.13	D/ARSD3/8X21/32	\$44.85	KFDRSD3/8X21/32	\$35.30	D/ACO3/8X21/32	\$87.00
43/64"	DWDRSD3/8X43/64	\$30.25	D/ARSD3/8X43/64	\$46.61	KFDRSD3/8X43/64	\$36.97	D/ACO3/8X43/64	\$90.18
11/16"	DWDRSD3/8X11/16	\$30.25	D/ARSD3/8X11/16	\$46.61	KFDRSD3/8X11/16	\$36.97	D/ACO3/8X11/16	\$87.00
45/64"	DWDRSD3/8X45/64	\$30.64	D/ARSD3/8X45/64	\$47.22	KFDRSD3/8X45/64	\$38.99	D/ACO3/8X45/64	\$100.40
23/32"	DWDRSD3/8X23/32	\$30.64	D/ARSD3/8X23/32	\$47.22	KFDRSD3/8X23/32	\$38.99	D/ACO3/8X23/32	\$96.82
47/64"	DWDRSD3/8X47/64	\$33.39	D/ARSD3/8X47/64	\$51.42	KFDRSD3/8X47/64	\$40.55	D/ACO3/8X47/64	\$100.40
3/4"	DWDRSD3/8X3/4	\$33.39	D/ARSD3/8X3/4	\$51.42	KFDRSD3/8X3/4	\$40.55	D/ACO3/8X3/4	\$96.82

HSS REDUCED SHANK DRILLS

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				DWDRSD Series		D/ARSD Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
33/64"	.5156	3"	6"	DWDRSD33/64	\$10.48	D/ARSD33/64	\$24.73
17/32"	.5313	3"	6"	DWDRSD17/32	\$10.48	D/ARSD17/32	\$24.73
35/64"	.5469	3"	6"	DWDRSD35/64	\$11.14	D/ARSD35/64	\$26.38
9/16"	.5625	3"	6"	DWDRSD9/16	\$11.14	D/ARSD9/16	\$26.11
37/64"	.5781	3"	6"	DWDRSD37/64	\$11.93	D/ARSD37/64	\$28.17
19/32"	.5938	3"	6"	DWDRSD19/32	\$11.93	D/ARSD19/32	\$28.17
39/64"	.6094	3"	6"	DWDRSD39/64	\$12.52	D/ARSD39/64	\$29.40
5/8"	.6250	3"	6"	DWDRSD5/8	\$12.23	D/ARSD5/8	\$29.40
41/64"	.6406	3"	6"	DWDRSD41/64	\$13.63	D/ARSD41/64	\$31.08
21/32"	.6563	3"	6"	DWDRSD21/32	\$13.63	D/ARSD21/32	\$31.08
43/64"	.6719	3"	6"	DWDRSD43/64	\$14.11	D/ARSD43/64	\$32.53
11/16"	.6875	3"	6"	DWDRSD11/16	\$14.11	D/ARSD11/16	\$32.53
45/64"	.7031	3"	6"	DWDRSD45/64	\$14.33	D/ARSD45/64	\$34.04
23/32"	.7188	3"	6"	DWDRSD23/32	\$14.33	D/ARSD23/32	\$34.04
47/64"	.7344	3"	6"	DWDRSD47/64	\$15.61	D/ARSD47/64	\$35.59
3/4"	.7500	3"	6"	DWDRSD3/4	\$15.61	D/ARSD3/4	\$35.59
49/64"	.7656	3"	6"	DWDRSD49/64	\$17.13	D/ARSD49/64	\$37.36
25/32"	.7813	3"	6"	DWDRSD25/32	\$17.13	D/ARSD25/32	\$37.36
51/64"	.7969	3"	6"	DWDRSD51/64	\$18.00	D/ARSD51/64	\$39.98
13/16"	.8125	3"	6"	DWDRSD13/16	\$18.00	D/ARSD13/16	\$39.98
53/64"	.8281	3"	6"	DWDRSD53/64	\$18.62	D/ARSD53/64	\$41.88
27/32"	.8438	3"	6"	DWDRSD27/32	\$18.62	D/ARSD27/32	\$41.88
55/64"	.8594	3"	6"	DWDRSD55/64	\$19.31	D/ARSD55/64	\$43.07
7/8"	.8750	3"	6"	DWDRSD7/8	\$19.31	D/ARSD7/8	\$43.07
57/64"	.8906	3"	6"	DWDRSD57/64	\$20.19	D/ARSD57/64	\$45.25
29/32"	.9063	3"	6"	DWDRSD29/32	\$20.19	D/ARSD29/32	\$45.25
59/64"	.9219	3"	6"	DWDRSD59/64	\$21.56	D/ARSD59/64	\$48.85
15/16"	.9375	3"	6"	DWDRSD15/16	\$21.56	D/ARSD15/16	\$48.85
61/64"	.9531	3"	6"	DWDRSD61/64	\$22.79	D/ARSD61/64	\$52.93
31/32"	.9688	3"	6"	DWDRSD31/32	\$22.79	D/ARSD31/32	\$52.93
63/64"	.9844	3"	6"	DWDRSD63/64	\$25.40	D/ARSD63/64	\$55.80
1"	1.0000	3"	6"	DWDRSD1	\$25.40	D/ARSD1	\$55.80
1-1/64"	1.0156	3"	6"	DWDRSD1-1/64	\$36.43	D/ARSD1-1/64	\$82.04
1-1/32"	1.0313	3"	6"	DWDRSD1-1/32	\$37.26	D/ARSD1-1/32	\$82.04
1-3/64"	1.0469	3"	6"	DWDRSD1-3/64	\$37.26	D/ARSD1-3/64	\$82.04
1-1/16"	1.0625	3"	6"	DWDRSD1-1/16	\$37.26	D/ARSD1-1/16	\$82.04
1-5/64"	1.0781	3"	6"	DWDRSD1-5/64	\$38.46	D/ARSD1-5/64	\$89.76
1-3/32"	1.0938	3"	6"	DWDRSD1-3/32	\$39.71	D/ARSD1-3/32	\$89.76
1-7/64"	1.1094	3"	6"	DWDRSD1-7/64	\$41.49	D/ARSD1-7/64	\$89.76
1-1/8"	1.1250	3"	6"	DWDRSD1-1/8	\$42.37	D/ARSD1-1/8	\$89.76
1-9/64"	1.1406	3"	6"	DWDRSD1-9/64	\$42.37	D/ARSD1-9/64	\$95.54
1-5/32"	1.1563	3"	6"	DWDRSD1-5/32	\$42.37	D/ARSD1-5/32	\$95.54
1-11/64"	1.1719	3"	6"	DWDRSD1-11/64	\$48.18	D/ARSD1-11/64	\$95.54
1-3/16"	1.1875	3"	6"	DWDRSD1-3/16	\$46.52	D/ARSD1-3/16	\$95.54
1-13/64"	1.2031	3"	6"	DWDRSD1-13/64	\$49.00	D/ARSD1-13/64	\$105.34
1-7/32"	1.2188	3"	6"	DWDRSD1-7/32	\$50.05	D/ARSD1-7/32	\$105.34
1-15/64"	1.2344	3"	6"	DWDRSD1-15/64	\$50.05	D/ARSD1-15/64	\$105.34
1-1/4"	1.2500	3"	6"	DWDRSD1-1/4	\$50.05	D/ARSD1-1/4	\$105.34
1-17/64"	1.2656	3"	6"	DWDRSD1-17/64	\$57.92	D/ARSD1-17/64	\$128.89
1-9/32"	1.2813	3"	6"	DWDRSD1-9/32	\$57.92	D/ARSD1-9/32	\$115.03
1-19/64"	1.2969	3"	6"	DWDRSD1-19/64	\$57.92	D/ARSD1-19/64	\$130.13
1-5/16"	1.3125	3"	6"	DWDRSD1-5/16	\$61.38	D/ARSD1-5/16	\$115.03
1-21/64"	1.3281	3"	6"	DWDRSD1-21/64	\$66.56	D/ARSD1-21/64	\$133.87
1-11/32"	1.3438	3"	6"	DWDRSD1-11/32	\$66.56	D/ARSD1-11/32	\$133.87
1-23/64"	1.3594	3"	6"	DWDRSD1-23/64	\$66.56	D/ARSD1-23/64	\$134.73
1-3/8"	1.3750	3"	6"	DWDRSD1-3/8	\$70.56	D/ARSD1-3/8	\$126.89
1-25/64"	1.3906	3"	6"	DWDRSD1-25/64	\$73.23	D/ARSD1-25/64	\$146.23
1-13/32"	1.4063	3"	6"	DWDRSD1-13/32	\$73.23	D/ARSD1-13/32	\$146.23
1-27/64"	1.4219	3"	6"	DWDRSD1-27/64	\$73.23	D/ARSD1-27/64	\$146.23
1-7/16"	1.4375	3"	6"	DWDRSD1-7/16	\$77.61	D/ARSD1-7/16	\$146.23
1-29/64"	1.4531	3"	6"	DWDRSD1-29/64	\$80.52	D/ARSD1-29/64	\$157.56
1-15/32"	1.4688	3"	6"	DWDRSD1-15/32	\$80.52	D/ARSD1-15/32	\$157.56
1-31/64"	1.4844	3"	6"	DWDRSD1-31/64	\$85.36	D/ARSD1-31/64	\$157.56
1-1/2"	1.5000	3"	6"	DWDRSD1-1/2	\$85.36	D/ARSD1-1/2	\$152.24



METRIC REDUCED SHK DRILLS

					DWDRSD Series	D/AMMCO Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
12.5	.4921	3"	6"	DWDRSD12.5MM	\$20.36	-	-
13.0	.5118	3"	6"	DWDRSD13.0MM	\$20.36	-	-
13.5	.5315	3"	6"	DWDRSD13.5MM	\$22.87	D/AMMCO13.50	\$77.91
14.0	.5512	3"	6"	DWDRSD14.0MM	\$26.20	D/AMMCO14.00	\$74.20
14.5	.5709	3"	6"	DWDRSD14.5MM	\$26.20	D/AMMCO14.50	\$77.91
15.0	.5906	3"	6"	DWDRSD15.0MM	\$28.08	D/AMMCO15.00	\$74.20
15.5	.6102	3"	6"	DWDRSD15.5MM	\$29.35	D/AMMCO15.50	\$77.91
16.0	.6299	3"	6"	DWDRSD16.0MM	\$31.09	D/AMMCO16.00	\$74.20
16.5	.6496	3"	6"	DWDRSD16.5MM	\$31.24	D/AMMCO16.50	\$77.91
17.0	.6693	3"	6"	DWDRSD17.0MM	\$32.51	D/AMMCO17.00	\$74.20
17.5	.6890	3"	6"	DWDRSD17.5MM	\$32.51	D/AMMCO17.50	\$77.91
18.0	.7087	3"	6"	DWDRSD18.0MM	\$34.25	D/AMMCO18.00	\$74.20
18.5	.7283	3"	6"	DWDRSD18.5MM	\$35.82	D/AMMCO18.50	\$77.91
19.0	.7480	3"	6"	DWDRSD19.0MM	\$35.82	D/AMMCO19.00	\$84.80
19.5	.7677	3"	6"	DWDRSD19.5MM	\$37.40	D/AMMCO19.50	\$89.04
20.0	.7874	3"	6"	DWDRSD20.0MM	\$37.72	D/AMMCO20.00	\$84.80
20.5	.8071	3"	6"	DWDRSD20.5MM	\$42.26	D/AMMCO20.50	\$93.28
21.0	.8268	3"	6"	DWDRSD21.0MM	\$42.26	D/AMMCO21.00	\$90.10
21.5	.8465	3"	6"	DWDRSD21.5MM	\$43.83	D/AMMCO21.50	\$100.17
22.0	.8661	3"	6"	DWDRSD22.0MM	\$43.83	D/AMMCO22.00	\$95.40
22.5	.8858	3"	6"	DWDRSD22.5MM	\$45.81	D/AMMCO22.50	\$111.30
23.0	.9055	3"	6"	DWDRSD23.0MM	\$45.81	D/AMMCO23.00	\$106.00
23.5	.9252	3"	6"	DWDRSD23.5MM	\$51.71	D/AMMCO23.50	\$121.90
24.0	.9445	3"	6"	DWDRSD24.0MM	\$51.71	D/AMMCO24.00	\$116.60
24.5	.9646	3"	6"	DWDRSD24.5MM	\$57.64	D/AMMCO24.50	\$132.50
25.0	.9843	3"	6"	DWDRSD25.0MM	\$57.64	D/AMMCO25.00	\$127.20
25.5	1.0039	3"	6"	DWDRSD25.5MM	\$88.57		
26.0	1.0236	3"	6"	DWDRSD26.0MM	\$88.57		
26.5	1.0433	3"	6"	DWDRSD26.5MM	\$88.57		
27.0	1.0630	3"	6"	DWDRSD27.0MM	\$88.57		
27.5	1.0827	3"	6"	DWDRSD27.5MM	\$98.65		
28.0	1.1024	3"	6"	DWDRSD28.0MM	\$98.65		
28.5	1.1220	3"	6"	DWDRSD28.5MM	\$100.73		
29.0	1.1417	3"	6"	DWDRSD29.0MM	\$100.73		
29.5	1.1614	3"	6"	DWDRSD29.5MM	\$110.61		
30.0	1.1811	3"	6"	DWDRSD30.0MM	\$110.61		
31.0	1.2205	3"	6"	DWDRSD31.0MM	\$119.00		
32.0	1.2598	3"	6"	DWDRSD32.0MM	\$137.70		
33.0	1.2992	3"	6"	DWDRSD33.0MM	\$145.93		
34.0	1.3386	3"	6"	DWDRSD34.0MM	\$158.27		
35.0	1.3780	3"	6"	DWDRSD35.0MM	\$167.75		
36.0	1.4173	3"	6"	DWDRSD36.0MM	\$174.11		
37.0	1.4567	3"	6"	DWDRSD37.0MM	\$191.44		

1 / 2 " S H A N K M E T R I C



3 / 4 " S H A N K

					DWDRSD Series						DWDRSD Series
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
1"	1.0000	3"	6"	DWDRSD34X1	\$72.56	1-1/2"	1.5000	3"	6"	DWDRSD34X1-1/2	\$191.19
1-1/32"	1.0313	3"	6"	DWDRSD34X1-1/32	\$85.05	1-17/32"	1.5313	3"	6"	DWDRSD34X1-17/32	\$215.78
1-1/16"	1.0625	3"	6"	DWDRSD34X1-1/16	\$85.05	1-9/16"	1.5625	3"	6"	DWDRSD34X1-9/16	\$215.78
1-3/32"	1.0938	3"	6"	DWDRSD34X1-3/32	\$94.45	1-19/32"	1.5938	3"	6"	DWDRSD34X1-19/32	\$239.13
1-1/8"	1.1250	3"	6"	DWDRSD34X1-1/8	\$94.45	1-5/8"	1.6250	3"	6"	DWDRSD34X1-5/8	\$239.13
1-5/32"	1.1563	3"	6"	DWDRSD34X1-5/32	\$104.26	1-21/32"	1.6563	3"	6"	DWDRSD34X1-21/32	\$276.66
1-3/16"	1.1875	3"	6"	DWDRSD34X1-3/16	\$104.26	1-11/16"	1.6875	3"	6"	DWDRSD34X1-11/16	\$276.66
1-7/32"	1.2188	3"	6"	DWDRSD34X1-7/32	\$107.17	1-23/32"	1.7188	3"	6"	DWDRSD34X1-23/32	\$287.09
1-1/4"	1.2500	3"	6"	DWDRSD34X1-1/4	\$107.17	1-3/4"	1.7500	3"	6"	DWDRSD34X1-3/4	\$287.09
1-9/32"	1.2813	3"	6"	DWDRSD34X1-9/32	\$133.20	1-25/32"	1.7813	3"	6"	DWDRSD34X1-25/32	\$314.81
1-5/16"	1.3125	3"	6"	DWDRSD34X1-5/16	\$133.20	1-13/16"	1.8125	3"	6"	DWDRSD34X1-13/16	\$314.81
1-11/32"	1.3438	3"	6"	DWDRSD34X1-11/32	\$165.95	1-27/32"	1.8438	3"	6"	DWDRSD34X1-27/32	\$324.01
1-23/64"	1.3594	3"	6"	DWDRSD34X1-23/64	\$165.95	1-7/8"	1.8750	3"	6"	DWDRSD34X1-7/8	\$324.01
1-3/8"	1.3750	3"	6"	DWDRSD34X1-3/8	\$165.95	1-29/32"	1.9063	3"	6"	DWDRSD34X1-29/32	\$343.57
1-13/32"	1.4063	3"	6"	DWDRSD34X1-13/32	\$174.50	1-15/16"	1.9375	3"	6"	DWDRSD34X1-15/16	\$343.57
1-7/16"	1.4375	3"	6"	DWDRSD34X1-7/16	\$174.50	1-31/32"	1.9688	3"	6"	DWDRSD34X1-31/32	\$361.08
1-15/32"	1.4688	3"	6"	DWDRSD34X1-15/32	\$191.19	2"	2.0000	3"	6"	DWDRSD34X2	\$361.08

*Over 2" POA

HSS 3-FLAT REDUCED SHANK DRILLS

D/A3F Series - HSS Premium Quality 118° Point with 3-Flat Shank

KFD3F Series - HSS Black/Gold Contractor Grade 135° Split Point with 3-Flat Shank

KFDRSD Series - HSS Black/Gold Premium Quality 135° Split Point with 3-Flat Shank

				D/A3F Series		KFD3F Series		KFDRSD Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price	Part Number	List Price
33/64"	.5156	3"	6"	D/A3F33/64	\$25.77	KFD3F33/64	\$15.94	KFDRSD33/64	\$19.93
17/32"	.5313	3"	6"	D/A3F17/32	\$25.77	KFD3F17/32	\$15.94	KFDRSD17/32	\$19.93
35/64"	.5469	3"	6"	D/A3F35/64	\$27.36	KFD3F35/64	\$17.00	KFDRSD35/64	\$21.25
9/16"	.5625	3"	6"	D/A3F9/16	\$27.36	KFD3F9/16	\$17.00	KFDRSD9/16	\$21.25
37/64"	.5781	3"	6"	D/A3F37/64	\$29.47	KFD3F37/64	\$18.16	KFDRSD37/64	\$22.69
19/32"	.5938	3"	6"	D/A3F19/32	\$29.47	KFD3F19/32	\$18.16	KFDRSD19/32	\$22.69
39/64"	.6094	3"	6"	D/A3F39/64	\$30.26	KFD3F39/64	\$19.16	KFDRSD39/64	\$23.96
5/8"	.6250	3"	6"	D/A3F5/8	\$30.26	KFD3F5/8	\$19.16	KFDRSD5/8	\$23.96
41/64"	.6406	3"	6"	D/A3F41/64	\$31.86	KFD3F41/64	\$20.36	KFDRSD41/64	\$25.46
21/32"	.6563	3"	6"	D/A3F21/32	\$31.86	KFD3F21/32	\$20.36	KFDRSD21/32	\$25.46
43/64"	.6719	3"	6"	D/A3F43/64	\$33.29	KFD3F43/64	\$21.34	KFDRSD43/64	\$26.66
11/16"	.6875	3"	6"	D/A3F11/16	\$33.29	KFD3F11/16	\$21.34	KFDRSD11/16	\$26.66
45/64"	.7031	3"	6"	D/A3F45/64	\$34.69	KFD3F45/64	\$22.49	KFDRSD45/64	\$28.11
23/32"	.7188	3"	6"	D/A3F23/32	\$34.69	KFD3F23/32	\$22.49	KFDRSD23/32	\$28.11
47/64"	.7344	3"	6"	D/A3F47/64	\$36.19	KFD3F47/64	\$23.39	KFDRSD47/64	\$29.23
3/4"	.7500	3"	6"	D/A3F3/4	\$36.19	KFD3F3/4	\$23.39	KFDRSD3/4	\$29.23
49/64"	.7656	3"	6"	D/A3F49/64	\$38.92	KFD3F49/64	\$24.74	KFDRSD49/64	\$30.92
25/32"	.7813	3"	6"	D/A3F25/32	\$38.92	KFD3F25/32	\$24.74	KFDRSD25/32	\$30.92
51/64"	.7969	3"	6"	D/A3F51/64	\$41.41	KFD3F51/64	\$26.00	KFDRSD51/64	\$32.51
13/16"	.8125	3"	6"	D/A3F13/16	\$41.41	KFD3F13/16	\$26.00	KFDRSD13/16	\$32.51
53/64"	.8281	3"	6"	D/A3F53/64	\$43.24	KFD3F53/64	\$26.69	KFDRSD53/64	\$33.35
27/32"	.8438	3"	6"	D/A3F27/32	\$43.24	KFD3F27/32	\$26.69	KFDRSD27/32	\$33.35
55/64"	.8594	3"	6"	D/A3F55/64	\$44.41	KFD3F55/64	\$27.91	KFDRSD55/64	\$34.88
7/8"	.8750	3"	6"	D/A3F7/8	\$44.41	KFD3F7/8	\$27.91	KFDRSD7/8	\$34.88
57/64"	.8906	3"	6"	D/A3F57/64	\$46.48	KFD3F57/64	\$29.18	KFDRSD57/64	\$36.48
29/32"	.9063	3"	6"	D/A3F29/32	\$46.48	KFD3F29/32	\$29.18	KFDRSD29/32	\$36.48
59/64"	.9219	3"	6"	D/A3F59/64	\$49.93	KFD3F59/64	\$31.28	KFDRSD59/64	\$39.10
15/16"	.9375	3"	6"	D/A3F15/16	\$49.93	KFD3F15/16	\$31.28	KFDRSD15/16	\$39.10
61/64"	.9531	3"	6"	D/A3F61/64	\$53.86	KFD3F61/64	\$33.15	KFDRSD61/64	\$41.44
31/32"	.9688	3"	6"	D/A3F31/32	\$53.86	KFD3F31/32	\$33.15	KFDRSD31/32	\$41.44
63/64"	.9844	3"	6"	D/A3F63/64	\$56.61	KFD3F63/64	\$36.32	KFDRSD63/64	\$45.39
1"	1.0000	3"	6"	D/A3F1	\$56.61	KFD3F1INCH	\$36.42	KFDRSD1	\$45.53
1-1/64"	1.0156	3"	6"	-	-	KFD3F1-1/64	\$45.24	-	-
1-1/32"	1.0313	3"	6"	D/A3F1-1/32	\$82.78	KFD3F1-1/32	\$45.24	KFDRSD1-1/32	-
1-3/64"	1.0469	3"	6"	-	-	KFD3F1-3/64	\$45.24	-	-
1-1/16"	1.0625	3"	6"	D/A3F1-1/16	\$82.78	KFD3F1-1/16	\$45.24	KFDRSD1-1/16	\$56.55
1-5/64"	1.0781	3"	6"	-	-	KFD3F1-5/64	\$45.24	-	-
1-3/32"	1.0938	3"	6"	D/A3F1-3/32	\$90.18	KFD3F1-3/32	\$45.24	KFDRSD1-3/32	-
1-7/64"	1.1094	3"	6"	-	-	KFD3F1-7/64	\$45.24	-	-
1-1/8"	1.1250	3"	6"	D/A3F1-1/8	\$90.18	KFD3F1-1/8	\$45.24	KFDRSD1-1/8	\$56.55
1-9/64"	1.1406	3"	6"	-	-	KFD3F1-9/64	\$51.42	-	-
1-5/32"	1.1563	3"	6"	D/A3F1-5/32	\$95.74	KFD3F1-5/32	\$51.42	KFDRSD1-5/32	-
1-11/64"	1.1719	3"	6"	-	-	KFD3F1-11/64	\$51.42	-	-
1-3/16"	1.1875	3"	6"	D/A3F1-3/16	\$95.74	KFD3F1-3/16	\$51.42	KFDRSD1-3/16	\$64.29
1-13/64"	1.2031	3"	6"	-	-	KFD3F1-13/64	\$53.87	-	-
1-7/32"	1.2188	3"	6"	D/A3F1-7/32	\$106.13	KFD3F1-7/32	\$53.87	KFDRSD1-7/32	-
1-15/64"	1.2344	3"	6"	-	-	KFD3F1-15/64	\$53.87	-	-
1-1/4"	1.2500	3"	6"	D/A3F1-1/4	\$106.13	KFD3F1-1/4	\$53.87	KFDRSD1-1/4	\$67.35
1-17/64"	1.2656	3"	6"	-	-	KFD3F1-17/64	\$59.10	-	-
1-9/32"	1.2813	3"	6"	-	-	KFD3F1-9/32	\$59.10	-	-
1-19/64"	1.2969	3"	6"	-	-	KFD3F1-19/64	\$59.10	-	-
1-5/16"	1.3125	3"	6"	D/A3F1-5/16	\$115.12	KFD3F1-5/16	\$59.10	KFDRSD1-5/16	\$73.87
1-21/64"	1.3281	3"	6"	-	-	KFD3F1-21/64	\$60.17	-	-
1-11/32"	1.3438	3"	6"	-	-	KFD3F1-11/32	\$60.17	-	-
1-23/64"	1.3594	3"	6"	-	-	KFD3F1-23/64	\$60.17	-	-
1-3/8"	1.3750	3"	6"	D/A3F1-3/8	\$127.00	KFD3F1-3/8	\$60.17	KFDRSD1-3/8	\$75.21
1-25/64"	1.3906	3"	6"	-	-	KFD3F1-25/64	\$68.77	-	-
1-13/32"	1.4063	3"	6"	-	-	KFD3F1-13/32	\$68.77	-	-
1-27/64"	1.4219	3"	6"	-	-	KFD3F1-27/64	\$68.77	-	-
1-7/16"	1.4375	3"	6"	D/A3F1-7/16	\$147.09	KFD3F1-7/16	\$68.77	KFDRSD1-7/16	\$85.96
1-29/64"	1.4531	3"	6"	-	-	KFD3F1-29/64	\$70.56	-	-
1-15/32"	1.4688	3"	6"	-	-	KFD3F1-15/32	\$70.56	-	-
1-31/64"	1.4844	3"	6"	-	-	KFD3F1-31/64	\$70.56	-	-
1-1/2"	1.5000	3"	6"	D/A3F1-1/2	\$152.94	KFD3F1-1/2	\$70.56	KFDRSD1-1/2	\$88.20

COBALT REDUCED SHANK DRILLS

DWDCO Series - Economy

D/ACO Series - Premium Quality

Made of heat resistant cobalt and ground to a heavy duty 135° split point. Common flute and overall length for minimal adjustment during tool changes. Precision ground for high degree of concentricity between shank and body diameter. Ideal for drilling in tough, high tensile strength materials.



1 / 2 " S H A N K

				DWDCO Series		D/ACO Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
33/64"	.5156	3"	6"	DWDCO33/64	\$36.17	D/ACO33/64	\$52.11
17/32"	.5313	3"	6"	DWDCO17/32	\$35.16	D/ACO17/32	\$50.25
35/64"	.5469	3"	6"	DWDCO35/64	\$36.17	D/ACO35/64	\$52.11
9/16"	.5625	3"	6"	DWDCO9/16	\$33.14	D/ACO9/16	\$50.25
37/64"	.5781	3"	6"	DWDCO37/64	\$40.65	D/ACO37/64	\$58.67
19/32"	.5938	3"	6"	DWDCO19/32	\$39.01	D/ACO19/32	\$56.58
39/64"	.6094	3"	6"	DWDCO39/64	\$40.65	D/ACO39/64	\$58.67
5/8"	.6250	3"	6"	DWDCO5/8	\$37.27	D/ACO5/8	\$56.58
41/64"	.6406	3"	6"	DWDCO41/64	\$44.62	D/ACO41/64	\$64.42
21/32"	.6563	3"	6"	DWDCO21/32	\$41.26	D/ACO21/32	\$62.15
43/64"	.6719	3"	6"	DWDCO43/64	\$44.62	D/ACO43/64	\$64.42
11/16"	.6875	3"	6"	DWDCO11/16	\$40.89	D/ACO11/16	\$62.15
45/64"	.7031	3"	6"	DWDCO45/64	\$48.12	D/ACO45/64	\$71.72
23/32"	.7188	3"	6"	DWDCO23/32	\$45.86	D/ACO23/32	\$69.15
47/64"	.7344	3"	6"	DWDCO47/64	\$48.12	D/ACO47/64	\$71.72
3/4"	.7500	3"	6"	DWDCO3/4	\$47.00	D/ACO3/4	\$69.15
49/64"	.7656	3"	6"	DWDCO49/64	\$57.37	D/ACO49/64	\$80.53
25/32"	.7813	3"	6"	DWDCO25/32	\$53.03	D/ACO25/32	\$77.67
51/64"	.7969	3"	6"	DWDCO51/64	\$57.37	D/ACO51/64	\$80.53
13/16"	.8125	3"	6"	DWDCO13/16	\$52.51	D/ACO13/16	\$77.67
53/64"	.8281	3"	6"	DWDCO53/64	\$61.66	D/ACO53/64	\$80.53
27/32"	.8438	3"	6"	DWDCO27/32	\$57.05	D/ACO27/32	\$83.43
55/64"	.8594	3"	6"	DWDCO55/64	\$61.66	D/ACO55/64	\$94.65
7/8"	.8750	3"	6"	DWDCO7/8	\$57.73	D/ACO7/8	\$91.23
57/64"	.8906	3"	6"	DWDCO57/64	\$70.09	D/ACO57/64	\$105.79
29/32"	.9063	3"	6"	DWDCO29/32	\$65.02	D/ACO29/32	\$102.03
59/64"	.9219	3"	6"	DWDCO59/64	\$70.09	D/ACO59/64	\$105.79
15/16"	.9375	3"	6"	DWDCO15/16	\$64.33	D/ACO15/16	\$102.03
61/64"	.9531	3"	6"	DWDCO61/64	\$82.66	D/ACO61/64	\$123.41
31/32"	.9688	3"	6"	DWDCO31/32	\$76.54	D/ACO31/32	\$119.95
63/64"	.9844	3"	6"	DWDCO63/64	\$82.66	D/ACO63/64	\$123.41
1"	1.0000	3"	6"	DWDCO1INCH	\$75.77	D/ACO1INCH	\$119.95
1-1/16"	1.0625	3"	6"	DWDCO1-1/16	\$93.84	D/ACO1-1/16	\$152.16
1-1/8"	1.1250	3"	6"	DWDCO1-1/8	\$106.73	D/ACO1-1/8	\$173.06
1-3/16"	1.1875	3"	6"	DWDCO1-3/16	\$117.11	D/ACO1-3/16	\$189.81
1-1/4"	1.2500	3"	6"	DWDCO1-1/4	\$129.69	D/ACO1-1/4	\$210.17
1-5/16"	1.3125	3"	6"	DWDCO1-5/16	\$161.09	D/ACO1-5/16	\$260.79
1-3/8"	1.3750	3"	6"	DWDCO1-3/8	\$185.15	D/ACO1-3/8	\$299.91
1-7/16"	1.4375	3"	6"	DWDCO1-7/16	\$203.80	D/ACO1-7/16	\$329.91
1-1/2"	1.5000	3"	6"	DWDCO1-1/2	\$235.80	D/ACO1-1/2	\$362.84

6" AIRCRAFT EXT. DRILLS

DWDA/C Series - HSS Economy

D/AA/C Series - HSS Premium Quality

Manufactured to National Aerospace Standard 907. 135° split point is self-centering and reduces thrust. Ideal for drilling in mild steels where extra length for reach is required. They have a black oxide surface treatment that is abrasion resistant, reduces chip welding and improves chip flow. Sizes smaller than #52 and 1/16" have the 118° standard point.



GLBCO Series - Cobalt

Manufactured to National Aerospace Standard 907. Made of heat resistant cobalt, the 135° split point is self-centering and reduces thrust. They are especially effective in drilling tough, high tensile strength materials like stainless steel, inconel and titanium.



F R A C T I O N A L S I Z E S

			DWDA/C Series		D/AA/C Series		GLBCO Series	
Size	Dec. Equiv.	Flute Length	Part Number	List Price	Part Number	List Price	Part Number	List Price
*3/64"	.0469	3/4"	DWDA/CX63/64	\$5.98	D/AA/CX63/64	\$12.12	-	-
1/16"	.0625	7/8"	DWDA/CX61/16	\$3.50	D/AA/CX61/16	\$5.61	GLBCOX61/16	\$5.96
5/64"	.0781	1"	DWDA/CX65/64	\$3.50	D/AA/CX65/64	\$5.61	GLBCOX65/64	\$5.96
3/32"	.0938	1-1/4"	DWDA/CX63/32	\$2.61	D/AA/CX63/32	\$4.16	GLBCOX63/32	\$5.96
7/64"	.1094	1-1/2"	DWDA/CX67/64	\$2.61	D/AA/CX67/64	\$4.16	GLBCOX67/64	\$5.37
1/8"	.1250	1-5/8"	DWDA/CX61/8	\$2.61	D/AA/CX61/8	\$4.03	GLBCOX61/8	\$5.06
9/64"	.1406	1-3/4"	DWDA/CX69/64	\$3.19	D/AA/CX69/64	\$5.14	GLBCOX69/64	\$6.00
5/32"	.1563	2"	DWDA/CX65/32	\$3.19	D/AA/CX65/32	\$5.14	GLBCOX65/32	\$6.00
11/64"	.1719	2-1/8"	DWDA/CX611/64	\$3.76	D/AA/CX611/64	\$6.03	GLBCOX611/64	\$6.58
3/16"	.1875	2-5/16"	DWDA/CX63/16	\$3.76	D/AA/CX63/16	\$5.78	GLBCOX63/16	\$6.58
13/64"	.2031	2-7/16"	DWDA/CX613/64	\$4.54	D/AA/CX613/64	\$6.93	GLBCOX613/64	\$8.19
7/32"	.2188	2-1/2"	DWDA/CX67/32	\$4.54	D/AA/CX67/32	\$6.93	GLBCOX67/32	\$8.19
15/64"	.2344	2-5/8"	DWDA/CX615/64	\$5.17	D/AA/CX615/64	\$7.91	GLBCOX615/64	\$8.94
1/4"	.2500	2-3/4"	DWDA/CX61/4	\$5.17	D/AA/CX61/4	\$7.59	GLBCOX61/4	\$8.94
17/64"	.2656	2-7/8"	DWDA/CX617/64	\$8.03	D/AA/CX617/64	\$12.87	GLBCOX617/64	\$15.07
9/32"	.2813	2-15/16"	DWDA/CX69/32	\$9.28	D/AA/CX69/32	\$14.84	GLBCOX69/32	\$16.59
19/64"	.2969	3-1/16"	DWDA/CX619/64	\$10.46	D/AA/CX619/64	\$16.74	GLBCOX619/64	\$17.88
5/16"	.3125	3-3/16"	DWDA/CX65/16	\$11.59	D/AA/CX65/16	\$17.81	GLBCOX65/16	\$18.34
21/64"	.3281	3-5/16"	DWDA/CX621/64	\$13.39	D/AA/CX621/64	\$21.41	GLBCOX621/64	\$19.66
11/32"	.3438	3-7/16"	DWDA/CX611/32	\$13.64	D/AA/CX611/32	\$21.83	GLBCOX611/32	\$20.65
23/64"	.3594	3-1/2"	DWDA/CX623/64	\$14.18	D/AA/CX623/64	\$22.57	GLBCOX623/64	\$22.80
3/8"	.3750	3-5/8"	DWDA/CX63/8	\$15.11	D/AA/CX63/8	\$23.20	GLBCOX63/8	\$22.96
25/64"	.3906	3-3/4"	DWDA/CX625/64	\$16.26	D/AA/CX625/64	\$25.01	GLBCOX625/64	\$25.04
13/32"	.4063	3-7/8"	DWDA/CX613/32	\$16.88	D/AA/CX613/32	\$25.94	GLBCOX613/32	\$25.76
27/64"	.4219	3-15/16"	DWDA/CX627/64	\$17.78	D/AA/CX627/64	\$27.36	GLBCOX627/64	\$27.45
7/16"	.4375	4-1/16"	DWDA/CX67/16	\$19.96	D/AA/CX67/16	\$30.72	GLBCOX67/16	\$26.60
29/64"	.4531	4-3/16"	DWDA/CX629/64	\$20.41	D/AA/CX629/64	\$31.42	-	-
15/32"	.4688	4-5/16"	DWDA/CX615/32	\$20.41	D/AA/CX615/32	\$31.42	-	-
31/64"	.4844	4-3/8"	DWDA/CX631/64	\$22.71	D/AA/CX631/64	\$34.93	-	-
1/2"	.5000	4-1/2"	DWDA/CX61/2	\$22.71	D/AA/CX61/2	\$33.42	-	-

*118° Standard Point

6" AIRCRAFT EXT. DRILLS

DWDA/C Series				
Size	Dec. Equiv.	Flute Length	Part Number	List Price
A	.2340	2-5/8"	DWDA/CX6A	\$11.40
B	.2380	2-3/4"	DWDA/CX6B	\$11.40
C	.2420	2-3/4"	DWDA/CX6C	\$11.40
D	.2460	2-3/4"	DWDA/CX6D	\$11.40
E	.2500	2-3/4"	DWDA/CX6E	\$8.87
F	.2570	2-7/8"	DWDA/CX6F	\$12.59
G	.2610	2-7/8"	DWDA/CX6G	\$20.76
H	.2660	2-7/8"	DWDA/CX6H	\$21.97
I	.2720	2-7/8"	DWDA/CX6I	\$21.97
J	.2770	2-7/8"	DWDA/CX6J	\$21.97
K	.2810	2-15/16"	DWDA/CX6K	\$21.97
L	.2900	2-15/16"	DWDA/CX6L	\$24.91
M	.2950	3-1/16"	DWDA/CX6M	\$24.91

DWDA/C Series				
Size	Dec. Equiv.	Flute Length	Part Number	List Price
N	.3020	3-1/16"	DWDA/CX6N	\$28.04
O	.3160	3-3/16"	DWDA/CX6O	\$29.32
P	.3230	3-5/16"	DWDA/CX6P	\$29.32
Q	.3320	3-7/16"	DWDA/CX6Q	\$29.53
R	.3390	3-7/16"	DWDA/CX6R	\$29.53
S	.3480	3-1/2"	DWDA/CX6S	\$32.54
T	.3580	3-1/2"	DWDA/CX6T	\$32.54
U	.3680	3-5/8"	DWDA/CX6U	\$34.40
V	.3770	3-5/8"	DWDA/CX6V	\$36.34
W	.3860	3-3/4"	DWDA/CX6W	\$36.34
X	.3970	3-3/4"	DWDA/CX6X	\$36.34
Y	.4040	3-7/8"	DWDA/CX6Y	\$36.34
Z	.4130	3-7/8"	DWDA/CX6Z	\$38.97

DWDA/C Series					GLBCO Series	
Size	Dec. Equiv.	Flute Length	Part Number	List Price	Part Number	List Price
1	.2280	2-5/8"	DWDA/CX61	\$5.37	GLBCOX61	\$9.28
2	.2210	2-5/8"	DWDA/CX62	\$5.37	GLBCOX62	\$9.28
3	.2130	2-1/2"	DWDA/CX63	\$4.82	GLBCOX63	\$8.38
4	.2090	2-1/2"	DWDA/CX64	\$4.82	GLBCOX64	\$8.38
5	.2055	2-1/2"	DWDA/CX65	\$4.82	GLBCOX65	\$8.38
6	.2040	2-1/2"	DWDA/CX66	\$4.82	GLBCOX66	\$8.38
7	.2010	2-7/16"	DWDA/CX67	\$4.82	GLBCOX67	\$8.38
8	.1990	2-7/16"	DWDA/CX68	\$4.75	GLBCOX68	\$8.10
9	.1960	2-7/16"	DWDA/CX69	\$4.66	GLBCOX69	\$8.10
10	.1935	2-7/16"	DWDA/CX610	\$4.04	GLBCOX610	\$7.50
11	.1910	2-5/16"	DWDA/CX611	\$4.04	GLBCOX611	\$7.50
12	.1890	2-5/16"	DWDA/CX612	\$4.04	GLBCOX612	\$6.97
13	.1850	2-5/16"	DWDA/CX613	\$3.85	GLBCOX613	\$6.97
14	.1820	2-3/16"	DWDA/CX614	\$3.85	GLBCOX614	\$6.97
15	.1800	2-3/16"	DWDA/CX615	\$3.85	GLBCOX615	\$6.97
16	.1770	2-3/16"	DWDA/CX616	\$3.85	GLBCOX616	\$6.97
17	.1730	2-3/16"	DWDA/CX617	\$3.85	GLBCOX617	\$6.97
18	.1695	2-1/8"	DWDA/CX618	\$3.85	GLBCOX618	\$6.97
19	.1660	2-1/8"	DWDA/CX619	\$3.85	GLBCOX619	\$6.97
20	.1610	2-1/8"	DWDA/CX620	\$3.52	GLBCOX620	\$6.34
21	.1590	2-1/8"	DWDA/CX621	\$3.52	GLBCOX621	\$6.34
22	.1570	2"	DWDA/CX622	\$3.52	GLBCOX622	\$6.34
23	.1540	2"	DWDA/CX623	\$3.52	GLBCOX623	\$6.34
24	.1520	2"	DWDA/CX624	\$3.52	GLBCOX624	\$6.34
25	.1495	1-7/8"	DWDA/CX625	\$3.52	GLBCOX625	\$6.34
26	.1470	1-7/8"	DWDA/CX626	\$3.52	GLBCOX626	\$6.34
27	.1440	1-7/8"	DWDA/CX627	\$3.52	GLBCOX627	\$6.34
28	.1405	1-3/4"	DWDA/CX628	\$3.52	GLBCOX628	\$6.34
29	.1360	1-3/4"	DWDA/CX629	\$3.52	GLBCOX629	\$6.34
30	.1285	1-5/8"	DWDA/CX630	\$2.87	GLBCOX630	\$5.11
31	.1200	1-5/8"	DWDA/CX631	\$2.87	GLBCOX631	\$5.11
32	.1160	1-5/8"	DWDA/CX632	\$2.87	GLBCOX632	\$5.11
33	.1130	1-1/2"	DWDA/CX633	\$2.87	GLBCOX633	\$5.11
34	.1110	1-1/2"	DWDA/CX634	\$2.87	GLBCOX634	\$5.11
35	.1100	1-1/2"	DWDA/CX635	\$2.87	GLBCOX635	\$5.11
36	.1065	1-7/16"	DWDA/CX636	\$2.95	GLBCOX636	\$5.37
37	.1040	1-7/16"	DWDA/CX637	\$2.95	GLBCOX637	\$5.37
38	.1015	1-7/16"	DWDA/CX638	\$2.95	GLBCOX638	\$5.37
39	.0995	1-3/8"	DWDA/CX639	\$3.04	GLBCOX639	\$5.37
40	.0980	1-3/8"	DWDA/CX640	\$2.61	GLBCOX640	\$5.37
41	.0960	1-3/8"	DWDA/CX641	\$3.27	GLBCOX641	\$5.59
42	.0935	1-1/4"	DWDA/CX642	\$3.27	GLBCOX642	\$5.59
43	.0890	1-1/4"	DWDA/CX643	\$4.19	GLBCOX643	\$5.59

DWDA/C Series				
Size	Dec. Equiv.	Flute Length	Part Number	List Price
44	.0860	1-1/8"	DWDA/CX644	\$4.19
45	.0820	1-1/8"	DWDA/CX645	\$4.19
46	.0810	1-1/8"	DWDA/CX646	\$4.19
47	.0785	1"	DWDA/CX647	\$4.19
48	.0760	1"	DWDA/CX648	\$4.19
49	.0730	1"	DWDA/CX649	\$4.19
50	.0700	1"	DWDA/CX650	\$4.19
51	.0670	1"	DWDA/CX651	\$4.19
52	.0635	7/8"	DWDA/CX652	\$4.19
*53	.0595	7/8"	DWDA/CX653	\$8.38
*54	.0550	7/8"	DWDA/CX654	\$8.38
*55	.0520	7/8"	DWDA/CX655	\$8.38
*56	.0465	3/4"	DWDA/CX656	\$8.38
*57	.0430	3/4"	DWDA/CX657	\$10.11
*58	.0420	11/16"	DWDA/CX658	\$10.11
*59	.0410	11/16"	DWDA/CX659	\$10.11
*60	.0400	11/16"	DWDA/CX660	\$10.11

***118° Standard Point**

GLBCO Series				
Size	Dec. Equiv.	Flute Length	Part Number	List Price
44	.0860	1-1/8"	GLBCOX644	\$5.81
45	.0820	1-1/8"	GLBCOX645	\$5.81
46	.0810	1-1/8"	GLBCOX646	\$5.81
47	.0785	1"	GLBCOX647	\$5.81
48	.0760	1"	GLBCOX648	\$5.81
49	.0730	1"	GLBCOX649	\$5.81
50	.0700	1"	GLBCOX650	\$5.81
51	.0670	1"	GLBCOX651	\$6.24
52	.0635	7/8"	GLBCOX652	\$6.24

12" AIRCRAFT EXT. DRILLS



FRACTIONAL SIZES

			DWDA/C Series		D/AA/C Series		GLBCO Series	
Size	Dec. Equiv.	Flute Length	Part Number	List Price	Part Number	List Price	Part Number	List Price
1/16"	.0625	7/8"	DWDA/CX121/16	\$6.94	D/AA/CX121/16	\$9.20	GLBCOX121/16	\$15.71
5/64"	.0781	1"	DWDA/CX125/64	\$6.66	D/AA/CX125/64	\$8.82	GLBCOX125/64	\$15.71
3/32"	.0938	1-1/4"	DWDA/CX123/32	\$7.16	D/AA/CX123/32	\$9.49	GLBCOX123/32	\$12.43
7/64"	.1094	1-1/2"	DWDA/CX127/64	\$7.43	D/AA/CX127/64	\$9.87	GLBCOX127/64	\$13.68
1/8"	.1250	1-5/8"	DWDA/CX121/8	\$7.47	D/AA/CX121/8	\$9.87	GLBCOX121/8	\$13.90
9/64"	.1406	1-3/4"	DWDA/CX129/64	\$8.18	D/AA/CX129/64	\$10.73	GLBCOX129/64	\$15.71
5/32"	.1563	2"	DWDA/CX125/32	\$9.22	D/AA/CX125/32	\$12.10	GLBCOX125/32	\$14.21
11/64"	.1719	2-1/8"	DWDA/CX1211/64	\$9.13	D/AA/CX1211/64	\$12.10	GLBCOX1211/64	\$15.47
3/16"	.1875	2-5/16"	DWDA/CX123/16	\$9.44	D/AA/CX123/16	\$12.54	GLBCOX123/16	\$15.47
13/64"	.2031	2-7/16"	DWDA/CX1213/64	\$10.34	D/AA/CX1213/64	\$13.10	GLBCOX1213/64	\$16.99
7/32"	.2188	2-1/2"	DWDA/CX127/32	\$10.47	D/AA/CX127/32	\$13.24	GLBCOX127/32	\$17.76
15/64"	.2344	2-5/8"	DWDA/CX1215/64	\$11.07	D/AA/CX1215/64	\$14.02	GLBCOX1215/64	\$19.04
1/4"	.2500	2-3/4"	DWDA/CX121/4	\$11.18	D/AA/CX121/4	\$15.38	GLBCOX121/4	\$19.04
17/64"	.2656	2-7/8"	DWDA/CX1217/64	\$12.91	D/AA/CX1217/64	\$16.33	GLBCOX1217/64	\$29.23
9/32"	.2813	2-15/16"	DWDA/CX129/32	\$13.09	D/AA/CX129/32	\$18.03	GLBCOX129/32	\$29.56
19/64"	.2969	3-1/16"	DWDA/CX1219/64	\$14.89	D/AA/CX1219/64	\$20.45	GLBCOX1219/64	\$30.99
5/16"	.3125	3-3/16"	DWDA/CX125/16	\$15.13	D/AA/CX125/16	\$20.76	GLBCOX125/16	\$31.57
21/64"	.3281	3-5/16"	DWDA/CX1221/64	\$17.02	D/AA/CX1221/64	\$22.98	GLBCOX1221/64	\$32.46
11/32"	.3438	3-7/16"	DWDA/CX1211/32	\$17.02	D/AA/CX1211/32	\$21.14	GLBCOX1211/32	\$33.44
23/64"	.3594	3-1/2"	DWDA/CX1223/64	\$19.03	D/AA/CX1223/64	\$23.69	GLBCOX1223/64	\$35.47
3/8"	.3750	3-5/8"	DWDA/CX123/8	\$19.03	D/AA/CX123/8	\$25.75	GLBCOX123/8	\$36.26
25/64"	.3906	3-3/4"	DWDA/CX1225/64	\$21.91	D/AA/CX1225/64	\$30.87	GLBCOX1225/64	\$37.61
13/32"	.4063	3-7/8"	DWDA/CX1213/32	\$21.91	D/AA/CX1213/32	\$30.87	GLBCOX1213/32	\$38.26
27/64"	.4219	3-15/16"	DWDA/CX1227/64	\$24.60	D/AA/CX1227/64	\$34.67	GLBCOX1227/64	\$39.88
7/16"	.4375	4-1/16"	DWDA/CX127/16	\$24.60	D/AA/CX127/16	\$34.67	GLBCOX127/16	\$51.01
29/64"	.4531	4-3/16"	DWDA/CX1229/64	\$27.91	D/AA/CX1229/64	\$38.03	GLBCOX1229/64	\$54.67
15/32"	.4688	4-5/16"	DWDA/CX1215/32	\$27.91	D/AA/CX1215/32	\$38.03	GLBCOX1215/32	\$55.05
31/64"	.4844	4-3/8"	DWDA/CX1231/64	\$30.44	D/AA/CX1231/64	\$41.55	GLBCOX1231/64	\$57.01
1/2"	.5000	4-1/2"	DWDA/CX121/2	\$30.44	D/AA/CX121/2	\$41.55	GLBCOX121/2	\$64.96



LETTER SIZES

DWDA/C Series					DWDA/C Series				
Size	Dec. Equiv.	Flute Length	Part Number	List Price	Size	Dec. Equiv.	Flute Length	Part Number	List Price
A	.2340	2-5/8"	DWDA/CX12A	\$24.44	N	.3020	3-1/16"	DWDA/CX12N	\$33.48
B	.2380	2-3/4"	DWDA/CX12B	\$24.44	O	.3160	3-3/16"	DWDA/CX12O	\$35.91
C	.2420	2-3/4"	DWDA/CX12C	\$24.44	P	.3230	3-5/16"	DWDA/CX12P	\$36.56
D	.2460	2-3/4"	DWDA/CX12D	\$24.44	Q	.3320	3-7/16"	DWDA/CX12Q	\$38.26
E	.2500	2-3/4"	DWDA/CX12E	\$22.11	R	.3390	3-7/16"	DWDA/CX12R	\$39.97
F	.2570	2-7/8"	DWDA/CX12F	\$29.01	S	.3480	3-1/2"	DWDA/CX12S	\$41.82
G	.2610	2-7/8"	DWDA/CX12G	\$29.09	T	.3580	3-1/2"	DWDA/CX12T	\$41.82
H	.2660	2-7/8"	DWDA/CX12H	\$29.09	U	.3680	3-5/8"	DWDA/CX12U	\$41.82
I	.2720	2-7/8"	DWDA/CX12I	\$29.09	V	.3770	3-5/8"	DWDA/CX12V	\$44.35
J	.2770	2-7/8"	DWDA/CX12J	\$29.09	W	.3860	3-3/4"	DWDA/CX12W	\$45.94
K	.2810	2-15/16"	DWDA/CX12K	\$29.09	X	.3970	3-3/4"	DWDA/CX12X	\$48.58
L	.2900	2-15/16"	DWDA/CX12L	\$30.73	Y	.4040	3-7/8"	DWDA/CX12Y	\$48.58
M	.2950	3-1/16"	DWDA/CX12M	\$30.73	Z	.4130	3-7/8"	DWDA/CX12Z	\$51.25

12" AIRCRAFT EXT. DRILLS

WIRE GAUGE SIZES

			DWDA/C Series		GLBCO Series	
Size	Dec. Equiv.	Flute Length	Part Number	List Price	Part Number	List Price
1	.2280	2-5/8"	DWDA/CX121	\$13.02	GLBCOX121	\$20.70
2	.2210	2-5/8"	DWDA/CX122	\$13.02	GLBCOX122	\$20.70
3	.2130	2-1/2"	DWDA/CX123	\$12.12	GLBCOX123	\$19.31
4	.2090	2-1/2"	DWDA/CX124	\$12.12	GLBCOX124	\$19.31
5	.2055	2-1/2"	DWDA/CX125	\$12.12	GLBCOX125	\$19.31
6	.2040	2-1/2"	DWDA/CX126	\$12.12	GLBCOX126	\$19.31
7	.2010	2-7/16"	DWDA/CX127	\$12.12	GLBCOX127	\$19.31
8	.1990	2-7/16"	DWDA/CX128	\$12.12	GLBCOX128	\$19.31
9	.1960	2-7/16"	DWDA/CX129	\$11.06	GLBCOX129	\$17.32
10	.1935	2-7/16"	DWDA/CX1210	\$11.06	GLBCOX1210	\$17.32
11	.1910	2-5/16"	DWDA/CX1211	\$11.06	GLBCOX1211	\$17.32
12	.1890	2-5/16"	DWDA/CX1212	\$11.06	GLBCOX1212	\$17.32
13	.1850	2-5/16"	DWDA/CX1213	\$10.55	GLBCOX1213	\$17.32
14	.1820	2-3/16"	DWDA/CX1214	\$10.55	GLBCOX1214	\$17.32
15	.1800	2-3/16"	DWDA/CX1215	\$10.55	GLBCOX1215	\$17.32
16	.1770	2-3/16"	DWDA/CX1216	\$10.55	GLBCOX1216	\$17.32
17	.1730	2-3/16"	DWDA/CX1217	\$10.55	GLBCOX1217	\$17.32
18	.1695	2-1/8"	DWDA/CX1218	\$10.55	GLBCOX1218	\$17.32
19	.1660	2-1/8"	DWDA/CX1219	\$10.55	GLBCOX1219	\$17.32
20	.1610	2-1/8"	DWDA/CX1220	\$9.48	GLBCOX1220	\$15.84
21	.1590	2-1/8"	DWDA/CX1221	\$9.48	GLBCOX1221	\$15.84
22	.1570	2"	DWDA/CX1222	\$9.48	GLBCOX1222	\$15.84
23	.1540	2"	DWDA/CX1223	\$9.48	GLBCOX1223	\$15.84
24	.1520	2"	DWDA/CX1224	\$9.48	GLBCOX1224	\$15.84
25	.1495	1-7/8"	DWDA/CX1225	\$9.48	GLBCOX1225	\$15.84
26	.1470	1-7/8"	DWDA/CX1226	\$9.48	GLBCOX1226	\$15.84
27	.1440	1-7/8"	DWDA/CX1227	\$9.48	GLBCOX1227	\$15.84
28	.1405	1-3/4"	DWDA/CX1228	\$9.48	GLBCOX1228	\$15.84
29	.1360	1-3/4"	DWDA/CX1229	\$9.48	GLBCOX1229	\$15.84
30	.1285	1-5/8"	DWDA/CX1230	\$9.48	GLBCOX1230	\$15.84
31	.1200	1-5/8"	DWDA/CX1231	\$9.48	GLBCOX1231	\$15.84
32	.1160	1-5/8"	DWDA/CX1232	\$9.48	GLBCOX1232	\$15.84
33	.1130	1-1/2"	DWDA/CX1233	\$9.76	GLBCOX1233	\$16.32
34	.1110	1-1/2"	DWDA/CX1234	\$9.76	GLBCOX1234	\$16.32
35	.1100	1-1/2"	DWDA/CX1235	\$9.76	GLBCOX1235	\$16.32
36	.1065	1-7/16"	DWDA/CX1236	\$9.76	GLBCOX1236	\$16.32
37	.1040	1-7/16"	DWDA/CX1237	\$9.76	GLBCOX1237	\$16.32
38	.1015	1-7/16"	DWDA/CX1238	\$9.76	GLBCOX1238	\$16.32
39	.0995	1-3/8"	DWDA/CX1239	\$9.76	GLBCOX1239	\$16.32
40	.0980	1-3/8"	DWDA/CX1240	\$8.90	GLBCOX1240	\$15.71
41	.0960	1-3/8"	DWDA/CX1241	\$12.12	GLBCOX1241	\$15.71
42	.0935	1-1/4"	DWDA/CX1242	\$12.12	GLBCOX1242	\$15.71
43	.0890	1-1/4"	DWDA/CX1243	\$15.36	GLBCOX1243	\$15.71
44	.0860	1-1/8"	DWDA/CX1244	\$15.36	GLBCOX1244	\$15.71
45	.0820	1-1/8"	DWDA/CX1245	\$15.36	GLBCOX1245	\$15.71
46	.0810	1-1/8"	DWDA/CX1246	\$15.36	GLBCOX1246	\$15.71
47	.0785	1"	DWDA/CX1247	\$13.51	GLBCOX1247	\$15.71
48	.0760	1"	DWDA/CX1248	\$13.51	GLBCOX1248	\$15.71
49	.0730	1"	DWDA/CX1249	\$13.51	GLBCOX1249	\$15.71
50	.0700	1"	DWDA/CX1250	\$13.51	GLBCOX1250	\$15.71
51	.0670	1"	DWDA/CX1251	\$16.23	GLBCOX1251	\$15.71
52	.0635	7/8"	DWDA/CX1252	\$16.23	GLBCOX1252	\$15.71
*53	.0595	7/8"	DWDA/CX1253	\$16.42	-	-
*54	.0550	7/8"	DWDA/CX1254	\$16.42	-	-
*55	.0520	7/8"	DWDA/CX1255	\$16.42	-	-
*56	.0465	3/4"	DWDA/CX1256	\$16.42	-	-
*57	.0430	3/4"	DWDA/CX1257	\$16.42	-	-
*58	.0420	11/16"	DWDA/CX1258	\$18.49	-	-
*59	.0410	11/16"	DWDA/CX1259	\$18.49	-	-
*60	.0400	11/16"	DWDA/CX1260	\$18.49	-	-

*118° Standard Point



CARBIDE TIPPED MASONRY DRILLS

DAM Series - Masonry Drills

Engineered with wide flutes to provide fast dust removal in softer materials. Designed for drilling in brick, concrete and sandstone. Carbide tips brazed to tough steel bodies and are larger than the nominal drill size to provide clearance for installation of anchor screws, expansion shields and toggle bolts. Designed for use in portable electric drills.

*Set includes five sizes: 3/16" x 6", 1/4" x 6", 5/16" x 6", 3/8" x 6" and 1/2" x 6".



					DAM Series
Size	Dec. Equiv.	Shank	O.A.L.	Part Number	List Price
1/8"	.1250	1/8"	3"	DAM3X1/8	\$1.59
3/16"	.1875	3/16"	4"	DAM4X3/16	\$1.66
3/16"	.1875	3/16"	6"	DAM6X3/16	\$2.90
7/32"	.2188	7/32"	4"	DAM4X7/32	\$1.84
1/4"	.2500	1/4"	4"	DAM4X1/4	\$1.84
1/4"	.2500	1/4"	6"	DAM6X1/4	\$2.90
1/4"	.2500	1/4"	13"	DAM13X1/4	\$8.06
1/4"	.2500	1/4"	18"	DAM18X1/4	\$14.32
1/4"	.2500	1/4"	24"	DAM24X1/4	\$15.13
1/4"	.2500	1/4"	30"	DAM30X1/4	\$17.66
5/16"	.3125	1/4"	4"	DAM4X5/16	\$2.39
5/16"	.3125	1/4"	6"	DAM6X5/16	\$3.78
5/16"	.3125	1/4"	13"	DAM13X5/16	\$8.44
5/16"	.3125	1/4"	18"	DAM18X5/16	\$15.29
5/16"	.3125	1/4"	24"	DAM24X5/16	\$16.08
5/16"	.3125	1/4"	30"	DAM30X5/16	\$18.77
3/8"	.3750	3/8"	4"	DAM4X3/8	\$3.20
3/8"	.3750	1/4"	6"	DAM6X3/8X1/4	\$4.31
3/8"	.3750	3/8"	6"	DAM6X3/8X3/8	\$4.31
3/8"	.3750	3/8"	13"	DAM13X3/8X3/8	\$10.95
3/8"	.3750	3/8"	18"	DAM18X3/8	\$16.08
3/8"	.3750	3/8"	24"	DAM24X3/8	\$16.89
3/8"	.3750	3/8"	30"	DAM30X3/8	\$19.57
7/16"	.4375	1/4"	4"	DAM4X7/16	\$4.73
7/16"	.4375	1/4"	6"	DAM6X7/16X1/4	\$5.12
7/16"	.4375	3/8"	6"	DAM6X7/16X3/8	\$5.12
7/16"	.4375	3/8"	13"	DAM13X7/16X3/8	\$11.38
7/16"	.4375	3/8"	18"	DAM18X7/16	\$17.68
1/2"	.5000	3/8"	4"	DAM4X1/2	\$5.37
1/2"	.5000	1/4"	6"	DAM6X1/2X1/4	\$5.76
1/2"	.5000	3/8"	6"	DAM6X1/2X3/8	\$5.76
1/2"	.5000	3/8"	13"	DAM13X1/2X3/8	\$12.27
1/2"	.5000	3/8"	18"	DAM18X1/2	\$19.29
1/2"	.5000	3/8"	24"	DAM24X1/2	\$20.32
1/2"	.5000	3/8"	30"	DAM30X1/2	\$23.45
9/16"	.5625	3/8"	6"	DAM6X9/16X3/8	\$6.33
9/16"	.5625	1/2"	6"	DAM6X9/16X1/2	\$6.33
9/16"	.5625	3/8"	13"	DAM13X9/16X3/8	\$12.79
9/16"	.5625	1/2"	13"	DAM13X9/16X1/2	\$12.79
9/16"	.5625	1/2"	18"	DAM18X9/16	\$20.09
5/8"	.6250	1/4"	4"	DAM4X5/8	\$8.00
5/8"	.6250	3/8"	6"	DAM6X5/8X3/8	\$8.44
5/8"	.6250	1/2"	6"	DAM6X5/8X1/2	\$8.44
5/8"	.6250	1/2"	13"	DAM13X5/8X1/2	\$16.18
5/8"	.6250	1/2"	18"	DAM18X5/8	\$22.64
5/8"	.6250	1/2"	24"	DAM24X5/8	\$23.72
11/16"	.6875	1/2"	6"	DAM6X11/16	\$14.97
3/4"	.7500	1/2"	6"	DAM6X3/4	\$17.19
3/4"	.7500	1/2"	13"	DAM13X3/4	\$24.25
3/4"	.7500	1/2"	18"	DAM18X3/4	\$29.74
3/4"	.7500	1/2"	24"	DAM24X3/4	\$31.06
7/8"	.8750	1/2"	6"	DAM6X7/8	\$18.49
7/8"	.8750	1/2"	13"	DAM13X7/8	\$30.06
7/8"	.8750	1/2"	18"	DAM18X7/8	\$36.84
1"	1.0000	1/2"	6"	DAM6X1	\$22.50
1"	1.0000	1/2"	13"	DAM13X1	\$39.01
1"	1.0000	1/2"	18"	DAM18X1	\$48.08
*Set	-	-	6"	DAMSET	\$17.81

SDS DRILLS

SDS Series

SDS Plus shank hammer bits are especially suited for drilling in stone or concrete. Premium SDS Drill Bits are auto-weld manufactured on first-class German and Swiss equipment with a Japanese-manufactured carbide-tip. *Set includes five sizes: 3/16" x 6", 1/4" x 4", 1/4" x 6", 3/8" x 6" and 1/2" x 6".



			SDS Series	
Size	Flute Length	O.A.L.	Part Number	List Price
5/32"	3-3/4"	6"	SDS5326	\$10.58
3/16"	1-3/4"	4"	SDS3164	\$5.91
3/16"	3-3/4"	6"	SDS3166	\$6.77
3/16"	5-1/2"	8"	SDS3168	\$6.77
3/16"	6-1/2"	10"	SDS31610	\$15.74
3/16"	9"	12"	SDS31612	\$17.63
7/32"	3-3/4"	6"	SDS7326	\$10.78
7/32"	5-1/2"	8"	SDS7328	\$15.35
1/4"	1-3/4"	4"	SDS144	\$5.76
1/4"	3-3/4"	6"	SDS146	\$6.63
1/4"	5-1/2"	8"	SDS148	\$9.02
1/4"	9"	12"	SDS1412	\$20.67
5/16"	3-3/4"	6"	SDS5166	\$7.53
5/16"	9"	12"	SDS51612	\$13.48
3/8"	3-3/4"	6"	SDS386	\$7.98
3/8"	5-1/2"	8"	SDS388	\$12.55
3/8"	9"	12"	SDS3812	\$14.29
3/8"	14"	18"	SDS3818	\$23.74
7/16"	3-3/4"	6"	SDS7166	\$10.19
1/2"	3-3/4"	6"	SDS126	\$10.58
1/2"	9"	12"	SDS1212	\$17.73
1/2"	14"	18"	SDS1218	\$28.79
9/16"	3-3/4"	6"	SDS9166	\$13.87
5/8"	5-1/2"	8"	SDS588	\$16.16
5/8"	9"	12"	SDS5812	\$29.97
5/8"	14"	18"	SDS5818	\$33.34
3/4"	5-1/2"	8"	SDS348	\$34.11
3/4"	9"	12"	SDS3412	\$39.48
3/4"	14"	18"	SDS3418	\$51.06
7/8"	6-1/2"	10"	SDS7810	\$43.35
7/8"	14"	18"	SDS7818	\$47.89
1"	6-1/2"	10"	SDS110	\$50.02
1"	14"	18"	SDS118	\$79.59
*Set	-	-	SDSSET	\$35.51



CONCRETE SCREW ANCHOR DRILLS

DAM Series - DAM Tapcon Drills

Screw anchor bits insure precise drilling of pilot holes when installing Tapcon anchors.

Regular Shank

DAM Series				
Size	Flute Length	O.A.L.	Part Number	List Price
5/32"	2"	3-1/2"	DAM532312	\$2.96
5/32"	3"	4-1/2"	DAM532412	\$3.38
5/32"	3-1/2"	5-1/2"	DAM532512	\$3.70
5/32"	4"	6-1/2"	DAM532612	\$5.45
5/32"	4-1/2"	7-1/2"	DAM532712	\$6.84
3/16"	2"	3-1/2"	DAM316312	\$3.14
3/16"	3"	4-1/2"	DAM316412	\$3.53
3/16"	3- 1/2"	5-1/2"	DAM316512	\$3.87
3/16"	4"	6-1/2"	DAM316612	\$5.20
3/16"	4"	7-1/2"	DAM316712	\$6.36



SDS Series - SDS Tapcon Drills

SDS Shank screw anchor bits allow for drilling pilot holes when installing Tapcon anchors using an SDS hammer drill.

SDS Shank

SDS Series				
Size	Flute Length	O.A.L.	Part Number	List Price
5/32"	2-1/2"	5-1/2"	SDS532512TAPCON	\$16.80
5/32"	4"	7"	SDS5327TAPCON	\$16.80
3/16"	2-1/2"	5-1/2"	SDS316512TAPCON	\$16.80
3/16"	4"	7"	SDS3167TAPCON	\$16.80



GLASS & TILE DRILLS

DWDGD Series - Round Shank Glass & Tile Drills

Provide smooth, accurate drilling in ceramic tile, marble, china, and glass

DWDGD Series

Size	O.A.L.	Part Number	List Price
1/8"	2-1/2"	DWDGD1/8	\$9.60
3/16"	2-1/2"	DWDGD3/16	\$9.91
1/4"	2-1/2"	DWDGD1/4	\$11.17
5/16"	2-1/2"	DWDGD5/16	\$12.07
3/8"	3"	DWDGD3/8	\$18.41
1/2"	3"	DWDGD1/2	\$25.76
5 Pc Set		DWDGD-SET	\$55.12



DWDGDHEX Series - Hex Shank Glass & Tile Drills

Provide smooth, accurate drilling in ceramic tile, marble, china, and glass. Quick change hex shank can be used in quick change impact drivers.

DWDGDHEX Series

Size	O.A.L.	Part Number	List Price
1/8"	2-1/2"	DWDGD1/8HEX	\$10.57
3/16"	2-1/2"	DWDGD3/16HEX	\$10.91
1/4"	2-1/2"	DWDGD1/4HEX	\$12.29
5/16"	2-1/2"	DWDGD5/16HEX	\$13.28
3/8"	3"	DWDGD3/8HEX	\$20.26
1/2"	3"	DWDGD1/2HEX	\$28.33



DWD4FGD Series - 4-Flute Glass & Tile Drills

4 flute carbide tipped glass and tile drill bits improve speed, longevity and accuracy compared to standard spear-tipped glass and tile drills. They have a tungsten carbide tip suitable for drilling glass, mirrors and very hard ceramic tile.

DWD4FGD Series

Size	O.A.L.	Part Number	List Price
1/8"	2-1/2"	DWD4FGD1/8	\$9.60
3/16"	2-1/2"	DWD4FGD3/16	\$9.91
1/4"	2-1/2"	DWD4FGD1/4	\$11.17
5/16"	2-1/2"	DWD4FGD5/16	\$12.07
3/8"	3"	DWD4FGD3/8	\$18.41
1/2"	3"	DWD4FGD1/2	\$25.76
5 Pc Set		DWD4FGD-SET	\$55.12



DWD4FGD Hex Series - 4-Flute Glass & Tile Drills with Quick Change Hex Shank

4 flute carbide tipped glass and tile drill bits improve speed, longevity and accuracy compared to standard spear-tipped glass and tile drills. They have a tungsten carbide tip suitable for drilling glass, mirrors and very hard ceramic tile. Quick change hex shank can be used in quick change impact drivers.

DWD4FGDHEX Series

Size	O.A.L.	Part Number	List Price
1/8"	2-1/2"	DWD4FGD1/8HEX	\$10.57
3/16"	2-1/2"	DWD4FGD3/16HEX	\$10.91
1/4"	2-1/2"	DWD4FGD1/4HEX	\$12.29
5/16"	2-1/2"	DWD4FGD5/16HEX	\$13.28
3/8"	3"	DWD4FGD3/8HEX	\$20.26
1/2"	3"	DWD4FGD1/2HEX	\$28.33



STEP DRILLS

STE Series - Step Drills

STEHX Series - Step Drills

Step Drills are commonly used on sheet metal and general construction. These black and gold surface treated bits can be used for drilling a wide range of hole sizes in metal, plastic and wood. They have a round shank for use in a wide range of tool holding systems and are packaged individually in hanging clamshell packaging. STEHX Series have a 1/4" quick change hex shank.



		STE Series		STEHX Series	
# of Steps	Range	Item Code	List Price	Item Code	List Price
13	1/8" - 1/2" x 32nds	STE1	\$26.50	STE1HEX	\$29.15
6	3/16" - 1/2" x 16ths	STE2	\$27.33	STE2HEX	\$30.06
9	1/4" - 3/4" x 16ths	STE3	\$39.75	STE3HEX	\$43.73
12	3/16" - 7/8" x 16ths	STE4	\$44.73	STE4HEX	\$49.21
12	1/4" - 1-3/8" x 8ths	STE5	\$66.25	STE5HEX	\$66.25
3 Piece Set #1, 2 & 3		STE1-3SET	\$92.75	STE1-3HEX-SET	\$101.76
5 Piece Set #1, 2, 3, 4 & 5		STE1-5SET	\$198.75	STE1-5HEX-SET	\$211.47

VAC Series - Step Drills

VACHEX Series - Step Drills

Step Drills are commonly used on sheet metal and general construction. They have a bright finish and are packaged in plastic tubes. VACHEX Series have a 1/4" quick change hex shank.



		VAC Series		VACHEX Series	
# of Steps	Range	Item Code	List Price	Item Code	List Price
13	1/8" - 1/2" x 32nds	VAC1	\$26.50	VAC1HEX	\$29.15
6	3/16" - 1/2" x 16ths	VAC2	\$27.33	VAC2HEX	\$30.06
9	1/4" - 3/4" x 16ths	VAC3	\$39.75	VAC3HEX	\$43.73
12	3/16" - 7/8" x 16ths	VAC4	\$44.73	VAC4HEX	\$49.21
12	1/4" - 1-3/8" x 8ths	VAC5	\$66.25	-	-
3 Piece Set #1, 2 & 3		VACSET	\$92.75	-	-
5 Piece Set #1, 2, 3, 4 & 5		VAC1-5SET	\$198.75	-	-

HSS TAPER SHANK DRILLS

DWDTS Series - Taper Shank Drills

Made to fit Morse tapered holders. Designed to perform in a broad range of materials in the iron and steel families. They have a black oxide surface treatment that is abrasion resistant, reduces chip welding and improves chip flow



DWDTS Series						DWDTS Series					
Size	Flute Length	O.A.L.	Shank Taper	Part Number	List Price	Size	Flute Length	O.A.L.	Shank Taper	Part Number	List Price
1/8"	1-7/8"	5-1/8"	1MT	DWDTS1/8	\$8.14	1-1/64"	6-1/2"	11-1/8"	3MT	DWDTS1-1/64	\$78.12
9/64"	2-1/8"	5-3/8"	1MT	DWDTS9/64	\$9.31	1-1/32"	6-1/2"	11-1/8"	3MT	DWDTS1-1/32	\$73.87
5/32"	2-1/8"	5-3/8"	1MT	DWDTS5/32	\$8.67	1-3/64"	6-5/8"	11-1/4"	3MT	DWDTS1-3/64	\$82.09
11/64"	2-1/2"	5-3/4"	1MT	DWDTS11/64	\$10.42	1-1/16"	6-5/8"	11-1/4"	3MT	DWDTS1-1/16	\$73.71
3/16"	2-1/2"	5-3/4"	1MT	DWDTS3/16	\$8.41	1-5/64"	6-7/8"	12-1/2"	4MT	DWDTS1-5/64	\$94.77
13/64"	2-3/4"	6"	1MT	DWDTS13/64	\$9.12	1-3/32"	6-7/8"	12-1/2"	4MT	DWDTS1-3/32	\$91.20
7/32"	2-3/4"	6"	1MT	DWDTS7/32	\$9.12	1-7/64"	7-1/8"	12-3/4"	4MT	DWDTS1-7/64	\$98.42
15/64"	2-7/8"	6-1/8"	1MT	DWDTS15/64	\$10.42	1-1/8"	7-1/8"	12-3/4"	4MT	DWDTS1-1/8	\$90.29
1/4"	2-7/8"	6-1/8"	1MT	DWDTS1/4	\$9.31	1-9/64"	7-1/4"	12-7/8"	4MT	DWDTS1-9/64	\$104.28
17/64"	3"	6-1/4"	1MT	DWDTS17/64	\$10.07	1-5/32"	7-1/4"	12-7/8"	4MT	DWDTS1-5/32	\$99.14
9/32"	3"	6-1/4"	1MT	DWDTS9/32	\$10.07	1-11/64"	7-3/8"	13"	4MT	DWDTS1-11/64	\$105.49
19/64"	3-1/8"	6-3/8"	1MT	DWDTS19/64	\$12.49	1-3/16"	7-3/8"	13"	4MT	DWDTS1-3/16	\$98.42
5/16"	3-1/8"	6-3/8"	1MT	DWDTS5/16	\$10.03	1-13/64"	7-1/2"	13-1/8"	4MT	DWDTS1-13/64	\$112.88
21/64"	3-1/4"	6-1/2"	1MT	DWDTS21/64	\$13.67	1-7/32"	7-1/2"	13-1/8"	4MT	DWDTS1-7/32	\$111.17
11/32"	3-1/4"	6-1/2"	1MT	DWDTS11/32	\$14.90	1-15/64"	7-7/8"	13-1/2"	4MT	DWDTS1-15/64	\$121.22
23/64"	3-1/2"	6-3/4"	1MT	DWDTS23/64	\$15.87	1-1/4"	7-7/8"	13-1/2"	4MT	DWDTS1-1/4	\$113.71
3/8"	3-1/2"	6-3/4"	1MT	DWDTS3/8	\$15.87	1-17/64"	8-1/2"	14-1/8"	4MT	DWDTS1-17/64	\$145.77
25/64"	3-5/8"	7"	1MT	DWDTS25/64	\$16.44	1-9/32"	8-1/2"	14-1/8"	4MT	DWDTS1-9/32	\$144.54
13/32"	3-5/8"	7"	1MT	DWDTS13/32	\$15.87	1-19/64"	8-5/8"	14-1/4"	4MT	DWDTS1-19/64	\$155.18
27/64"	3-7/8"	7-1/4"	1MT	DWDTS27/64	\$17.51	1-5/16"	8-5/8"	14-1/4"	4MT	DWDTS1-5/16	\$135.69
7/16"	3-7/8"	7-1/4"	1MT	DWDTS7/16	\$17.59	1-21/64"	8-3/4"	14-3/8"	4MT	DWDTS1-21/64	\$160.41
29/64"	4-1/8"	7-1/2"	1MT	DWDTS29/64	\$19.26	1-11/32"	8-3/4"	14-3/8"	4MT	DWDTS1-11/32	\$155.18
15/32"	4-1/8"	7-1/2"	1MT	DWDTS15/32	\$20.16	1-23/64"	8-7/8"	14-1/2"	4MT	DWDTS1-23/64	\$163.91
31/64"	4-3/8"	8-1/4"	2MT	DWDTS31/64	\$21.81	1-3/8"	8-7/8"	14-1/2"	4MT	DWDTS1-3/8	\$145.62
1/2"	4-3/8"	8-1/4"	2MT	DWDTS1/2	\$20.80	1-25/64"	9"	14-5/8"	4MT	DWDTS1-25/64	\$168.57
33/64"	4-5/8"	8-1/2"	2MT	DWDTS33/64	\$26.39	1-13/32"	9"	14-5/8"	4MT	DWDTS1-13/32	\$168.57
17/32"	4-5/8"	8-1/2"	2MT	DWDTS17/32	\$25.84	1-27/64"	9-1/8"	14-3/4"	4MT	DWDTS1-27/64	\$174.42
35/64"	4-7/8"	8-3/4"	2MT	DWDTS35/64	\$27.73	1-7/16"	9-1/8"	14-3/4"	4MT	DWDTS1-7/16	\$156.11
9/16"	4-7/8"	8-3/4"	2MT	DWDTS9/16	\$26.39	1-29/64"	9-1/4"	14-7/8"	4MT	DWDTS1-29/64	\$183.40
37/64"	4-7/8"	8-3/4"	2MT	DWDTS37/64	\$29.88	1-15/32"	9-1/4"	14-7/8"	4MT	DWDTS1-15/32	\$181.61
19/32"	4-7/8"	8-3/4"	2MT	DWDTS19/32	\$29.52	1-31/64"	9-3/8"	15"	4MT	DWDTS1-31/64	\$188.27
39/64"	4-7/8"	8-3/4"	2MT	DWDTS39/64	\$30.06	1-1/2"	9-3/8"	15"	4MT	DWDTS1-1/2	\$172.52
5/8"	4-7/8"	8-3/4"	2MT	DWDTS5/8	\$29.08	1-33/64"	9-3/8"	16-3/8"	5MT	DWDTS1-33/64	\$225.43
41/64"	5-1/8"	9"	2MT	DWDTS41/64	\$33.15	1-17/32"	9-3/8"	16-3/8"	5MT	DWDTS1-17/32	\$225.43
21/32"	5-1/8"	9"	2MT	DWDTS21/32	\$32.11	1-35/64"	9-5/8"	16-5/8"	5MT	DWDTS1-35/64	\$236.25
43/64"	5-3/8"	9-1/4"	2MT	DWDTS43/64	\$35.65	1-9/16"	9-5/8"	16-5/8"	5MT	DWDTS1-9/16	\$224.92
11/16"	5-3/8"	9-1/4"	2MT	DWDTS11/16	\$33.09	1-37/64"	9-5/8"	16-7/8"	5MT	DWDTS1-37/64	\$255.17
45/64"	5-5/8"	9-1/2"	2MT	DWDTS45/64	\$37.00	1-19/32"	9-7/8"	16-7/8"	5MT	DWDTS1-19/32	\$255.17
23/32"	5-5/8"	9-1/2"	2MT	DWDTS23/32	\$37.00	1-39/64"	10"	17"	5MT	DWDTS1-39/64	\$255.17
47/64"	5-7/8"	9-3/4"	2MT	DWDTS47/64	\$40.97	1-5/8"	10"	17"	5MT	DWDTS1-5/8	\$247.49
3/4"	5-7/8"	9-3/4"	2MT	DWDTS3/4	\$39.33	1-41/64"	10-1/8"	17-1/8"	5MT	DWDTS1-41/64	\$274.37
49/64"	6"	9-7/8"	2MT	DWDTS49/64	\$47.32	1-21/32"	10-1/8"	17-1/8"	5MT	DWDTS1-21/32	\$274.37
25/32"	6"	9-7/8"	2MT	DWDTS25/32	\$48.30	1-43/64"	10-1/8"	17-1/8"	5MT	DWDTS1-43/64	\$281.28
51/64"	6-1/8"	10-3/4"	3MT	DWDTS51/64	\$51.79	1-11/16"	10-1/8"	17-1/8"	5MT	DWDTS1-11/16	\$267.84
13/16"	6-1/8"	10-3/4"	3MT	DWDTS13/16	\$48.61	1-45/64"	10-1/8"	17-1/8"	5MT	DWDTS1-45/64	\$295.19
53/64"	6-1/8"	10-3/4"	3MT	DWDTS53/64	\$57.29	1-23/32"	10-1/8"	17-1/8"	5MT	DWDTS1-23/32	\$295.19
27/32"	6-1/8"	10-3/4"	3MT	DWDTS27/32	\$54.21	1-47/64"	10-1/8"	17-1/8"	5MT	DWDTS1-47/64	\$301.26
55/64"	6-1/8"	10-3/4"	3MT	DWDTS55/64	\$59.25	1-3/4"	10-1/8"	17-1/8"	5MT	DWDTS1-3/4	\$291.74
7/8"	6-1/8"	10-3/4"	3MT	DWDTS7/8	\$47.78	1-25/32"	10-1/8"	17-1/8"	5MT	DWDTS1-25/32	\$318.26
57/64"	6-1/8"	10-3/4"	3MT	DWDTS57/64	\$57.25	1-13/16"	10-1/8"	17-1/8"	5MT	DWDTS1-13/16	\$310.98
29/32"	6-1/8"	10-3/4"	3MT	DWDTS29/32	\$60.58	1-27/32"	10-1/8"	17-1/8"	5MT	DWDTS1-27/32	\$340.93
59/64"	6-1/8"	10-3/4"	3MT	DWDTS59/64	\$61.32	1-7/8"	10-3/8"	17-3/8"	5MT	DWDTS1-7/8	\$325.43
15/16"	6-1/8"	10-3/4"	3MT	DWDTS15/16	\$54.03	1-29/32"	10-3/8"	17-3/8"	5MT	DWDTS1-29/32	\$356.52
61/64"	6-3/8"	11"	3MT	DWDTS61/64	\$59.39	1-15/16"	10-3/8"	17-3/8"	5MT	DWDTS1-15/16	\$367.56
31/32"	6-3/8"	11"	3MT	DWDTS31/32	\$62.52	1-31/32"	10-3/8"	17-3/8"	5MT	DWDTS1-31/32	\$375.57
63/64"	6-3/8"	11"	3MT	DWDTS63/64	\$66.57	2"	10-3/8"	17-3/8"	5MT	DWDTS2INCH	\$378.12
1"	6-3/8"	11"	3MT	DWDTS1INCH	\$60.61	2-1/32"	10-3/8"	17-3/8"	5MT	DWDTS2-1/32	\$471.64

HSS TAPER SHANK DRILLS

DWDTs Series					
Size	Flute Length	O.A.L.	Shank Taper	Part Number	List Price
2-1/16"	10-1/4"	17-3/8"	5MT	DWDTs2-1/16	\$452.80
2-3/32"	10-1/4"	17-3/8"	5MT	DWDTs2-3/32	\$502.58
2-1/8"	10-1/4"	17-3/8"	5MT	DWDTs2-1/8	\$478.88
2-5/32"	10-1/4"	17-3/8"	5MT	DWDTs2-5/32	\$536.19
2-3/16"	10-1/4"	17-3/8"	5MT	DWDTs2-3/16	\$519.69
2-7/32"	10-1/8"	17-3/8"	5MT	DWDTs2-7/32	\$565.30
2-1/4"	10-1/8"	17-3/8"	5MT	DWDTs2-1/4	\$542.63
2-5/16"	10-1/8"	17-3/8"	5MT	DWDTs2-5/16	\$608.15
2-3/8"	11-1/4"	17-3/8"	5MT	DWDTs2-3/8	\$631.97
2-7/16"	11-1/4"	18-3/4"	5MT	DWDTs2-7/16	\$760.17
2-1/2"	11-1/4"	18-3/4"	5MT	DWDTs2-1/2	\$790.58
2-9/16"	11-7/8"	19-1/2"	5MT	DWDTs2-9/16	\$816.20
2-5/8"	11-7/8"	19-1/2"	5MT	DWDTs2-5/8	\$956.14
2-11/16"	12-3/4"	20-3/8"	5MT	DWDTs2-11/16	\$1,079.01

DWDTs Series					
Size	Flute Length	O.A.L.	Shank Taper	Part Number	List Price
2-3/4"	12-3/4"	20-3/8"	5MT	DWDTs2-3/4	\$1,063.76
2-13/16"	13-3/8"	21-1/8"	5MT	DWDTs2-13/16	\$1,157.10
2-7/8"	13-3/8"	21-1/8"	5MT	DWDTs2-7/8	\$1,222.04
2-15/16"	14"	21-3/4"	5MT	DWDTs2-15/16	\$1,286.66
3"	14"	21-3/4"	5MT	DWDTs3INCH	\$1,344.06
3-1/16"	14-5/8"	24-1/2"	6MT	DWDTs3-1/16	POA
3-1/8"	14-5/8"	24-1/2"	6MT	DWDTs3-1/8	POA
3-3/16"	14-5/8"	24-1/2"	6MT	DWDTs3-3/16	POA
3-1/4"	15-1/2"	25-1/2"	6MT	DWDTs3-1/4	POA
3-5/16"	15-1/2"	25-1/2"	6MT	DWDTs3-5/16	POA
3-3/8"	15-1/2"	25-1/2"	6MT	DWDTs3-3/8	POA
3-7/16"	15-1/2"	25-1/2"	6MT	DWDTs3-7/16	POA
3-1/2"	16-3/8"	26-1/2"	6MT	DWDTs3-1/2	POA

HSS TAPER SHANK DRILLS UNDERSIZED SHANK

DWDTs Series					
Size	Flute Length	O.A.L.	Shank Taper	Part Number	List Price
1MT					
31/64"	4-3/8"	8-1/4"	1MT	DWDTs31/64-1MT	\$31.11
1/2"	4-3/8"	8-1/4"	1MT	DWDTs1/2-1MT	\$26.46
33/64"	4-5/8"	8-1/2"	1MT	DWDTs33/64-1MT	\$33.81
17/32"	4-5/8"	8-1/2"	1MT	DWDTs17/32-1MT	\$33.81
35/64"	4-7/8"	8-3/4"	1MT	DWDTs35/64-1MT	\$35.46
2MT					
51/64"	6-1/8"	10-3/4"	2MT	DWDTs51/64-2MT	\$56.28
13/16"	6-1/8"	10-3/4"	2MT	DWDTs13/16-2MT	\$60.21
53/64"	6-1/8"	10-3/4"	2MT	DWDTs53/64-2MT	\$70.48
27/32"	6-1/8"	10-3/4"	2MT	DWDTs27/32-2MT	\$66.12
55/64"	6-1/8"	10-3/4"	2MT	DWDTs55/64-2MT	\$74.15
7/8"	6-1/8"	10-3/4"	2MT	DWDTs7/8-2MT	\$66.18
57/64"	6-1/8"	10-3/4"	2MT	DWDTs57/64-2MT	\$69.83
3MT					
1-5/64"	6-7/8"	12-1/2"	3MT	DWDTs1-5/64-3MT	\$118.33
1-3/32"	6-7/8"	12-1/2"	3MT	DWDTs1-3/32-3MT	\$112.71
1-1/8"	7-1/8"	12-3/4"	3MT	DWDTs1-1/8-3MT	\$106.11
1-9/64"	7-1/4"	12-7/8"	3MT	DWDTs1-9/64-3MT	\$127.55
1-5/32"	7-1/4"	12-7/8"	3MT	DWDTs1-5/32-3MT	\$127.55
1-11/64"	7-3/8"	13"	3MT	DWDTs1-11/64-3MT	\$131.76
1-3/16"	7-3/8"	13"	3MT	DWDTs1-3/16-3MT	\$115.37
1-13/64"	7-1/2"	13-1/8"	3MT	DWDTs1-13/64-3MT	\$141.35
1-7/32"	7-1/2"	13-1/8"	3MT	DWDTs1-7/32-3MT	\$139.84
1-15/64"	7-7/8"	13-1/2"	3MT	DWDTs1-15/64-3MT	\$154.08
1-1/4"	7-7/8"	13-1/2"	3MT	DWDTs1-1/4-3MT	\$130.97
1-5/16"	8-5/8"	14-1/4"	3MT	DWDTs1-5/16-3MT	\$208.21
1-3/8"	8-7/8"	14-1/2"	3MT	DWDTs1-3/8-3MT	\$221.05
1-7/16"	9-1/8"	14-3/4"	3MT	DWDTs1-7/16-3MT	\$243.02
1-1/2"	9-3/8"	15"	3MT	DWDTs1-1/2-3MT	\$251.91
4MT					
1-17/32"	9-3/8"	16-3/8"	4MT	DWDTs1-17/32-4MT	\$245.37
1-35/64"	9-5/8"	16-5/8"	4MT	DWDTs1-35/64-4MT	\$264.16
1-9/16"	9-5/8"	16-5/8"	4MT	DWDTs1-9/16-4MT	\$234.85
1-37/64"	9-7/8"	16-7/8"	4MT	DWDTs1-37/64-4MT	\$280.68
1-19/32"	9-7/8"	16-7/8"	4MT	DWDTs1-19/32-4MT	\$280.68
1-39/64"	10"	17"	4MT	DWDTs1-39/64-4MT	\$291.48
1-5/8"	10"	17"	4MT	DWDTs1-5/8-4MT	\$247.46
1-41/64"	10-1/8"	17-1/8"	4MT	DWDTs1-41/64-4MT	\$314.18
1-11/16"	10-1/8"	17-1/8"	4MT	DWDTs1-11/16-4MT	\$283.14
1-45/64"	10-1/8"	17-1/8"	4MT	DWDTs1-45/64-4MT	\$335.96
1-3/4"	10-1/8"	17-1/8"	4MT	DWDTs1-3/4-4MT	\$290.49
1-7/8"	10-3/8"	17-3/8"	4MT	DWDTs1-7/8-4MT	\$332.78
1-15/16"	10-3/8"	17-3/8"	4MT	DWDTs1-15/16-4MT	\$348.44
1-31/32"	10-3/8"	17-3/8"	4MT	DWDTs1-31/32-4MT	\$401.36
2"	10-3/8"	17-3/8"	4MT	DWDTs2INCH-4MT	\$363.48



HSS TAPER SHANK DRILLS OVERSIZED SHANK

DWDTS Series

Size	Flute Length	O.A.L.	Shank Taper	Part Number	List Price
2MT					
3/8"	3-1/2"	7-3/8"	2MT	DWDTS3/8-2MT	\$23.13
25/64"	3-5/8"	7-1/2"	2MT	DWDTS25/64-2MT	\$25.73
13/32"	3-5/8"	7-1/2"	2MT	DWDTS13/32-2MT	\$25.73
27/64"	3-7/8"	7-3/4"	2MT	DWDTS27/64-2MT	\$26.63
7/16"	3-7/8"	7-3/4"	2MT	DWDTS7/16-2MT	\$25.65
29/64"	4-1/8"	8"	2MT	DWDTS29/64-2MT	\$28.58
15/32"	4-1/8"	8"	2MT	DWDTS15/32-2MT	\$30.76
3MT					
21/32"	5-1/8"	9-3/4"	3MT	DWDTS21/32-3MT	\$47.08
43/64"	5-3/8"	10"	3MT	DWDTS43/64-3MT	\$49.86
45/64"	5-5/8"	10-1/4"	3MT	DWDTS45/64-3MT	\$53.89
23/32"	5-5/8"	10-1/4"	3MT	DWDTS23/32-3MT	\$55.28
47/64"	5-7/8"	10-1/2"	3MT	DWDTS47/64-3MT	\$54.56
3/4"	5-7/8"	10-1/2"	3MT	DWDTS3/4-3MT	\$58.96
25/32"	6"	10-5/8"	3MT	DWDTS25/32-3MT	\$65.78

HSS METRIC TAPER SHANK DRILLS



DWDTSMM Series

Size	Flute Length	O.A.L.	Shank Taper	Part Number	List Price
5.00	2-3/4"	6"	1MT	DWDTSMM5.00	\$9.71
5.50	2-3/4"	6"	1MT	DWDTSMM5.50	\$9.71
6.00	2-7/8"	6-1/8"	1MT	DWDTSMM6.00	\$10.21
6.50	2-7/8"	6-1/8"	1MT	DWDTSMM6.50	\$10.86
7.00	3"	6-1/4"	1MT	DWDTSMM7.00	\$10.86
7.50	3-1/8"	6-3/8"	1MT	DWDTSMM7.50	\$11.09
8.00	3-1/8"	6-3/8"	1MT	DWDTSMM8.00	\$15.30
8.50	3-1/4"	6-1/2"	1MT	DWDTSMM8.50	\$16.21
9.00	3-1/2"	6-3/4"	1MT	DWDTSMM9.00	\$17.89
9.50	3-1/2"	6-3/4"	1MT	DWDTSMM9.50	\$17.89
10.00	3-5/8"	7"	1MT	DWDTSMM10.00	\$17.89
10.50	3-7/8"	7-1/4"	1MT	DWDTSMM10.50	\$19.08
11.00	3-7/8"	7-1/4"	1MT	DWDTSMM11.00	\$19.34
11.50	4-1/8"	7-1/2"	1MT	DWDTSMM11.50	\$21.25
12.00	4-1/8"	7-1/2"	2MT	DWDTSMM12.00	\$24.07
12.50	4-3/8"	8-1/4"	2MT	DWDTSMM12.50	\$24.07
13.00	4-5/8"	8-1/2"	2MT	DWDTSMM13.00	\$26.93
13.50	4-5/8"	8-1/2"	2MT	DWDTSMM13.50	\$29.38
14.00	4-7/8"	8-3/4"	2MT	DWDTSMM14.00	\$29.38
14.50	4-7/8"	8-3/4"	2MT	DWDTSMM14.50	\$31.28
15.00	4-7/8"	8-3/4"	2MT	DWDTSMM15.00	\$31.28
15.50	4-7/8"	8-3/4"	2MT	DWDTSMM15.50	\$33.49
16.00	4-7/8"	8-3/4"	2MT	DWDTSMM16.00	\$37.00
16.50	5-1/8"	9"	2MT	DWDTSMM16.50	\$37.00
17.00	5-3/8"	9-1/4"	2MT	DWDTSMM17.00	\$38.94
17.50	5-3/8"	9-1/4"	2MT	DWDTSMM17.50	\$41.28
18.00	5-5/8"	9-1/2"	2MT	DWDTSMM18.00	\$41.28
18.50	5-7/8"	9-3/4"	2MT	DWDTSMM18.50	\$45.41
19.00	5-7/8"	9-3/4"	2MT	DWDTSMM19.00	\$45.41
19.50	6"	9-7/8"	2MT	DWDTSMM19.50	\$54.26
20.00	6"	9-7/8"	3MT	DWDTSMM20.00	\$56.16
20.50	6-1/8"	10-3/4"	3MT	DWDTSMM20.50	\$56.16
21.00	6-1/8"	10-3/4"	3MT	DWDTSMM21.00	\$62.36
21.50	6-1/8"	10-3/4"	3MT	DWDTSMM21.50	\$62.36
22.00	6-1/8"	10-3/4"	3MT	DWDTSMM22.00	\$62.36
22.50	6-1/8"	10-3/4"	3MT	DWDTSMM22.50	\$62.60
23.00	6-1/8"	10-3/4"	3MT	DWDTSMM23.00	\$62.60
23.50	6-1/8"	10-3/4"	3MT	DWDTSMM23.50	\$62.60
24.00	6-1/8"	10-3/4"	3MT	DWDTSMM24.00	\$68.08

DWDTSMM Series

Size	Flute Length	O.A.L.	Shank Taper	Part Number	List Price
24.50	6-3/8"	11"	3MT	DWDTSMM24.50	\$68.08
25.00	6-3/8"	11"	3MT	DWDTSMM25.00	\$72.79
25.50	6-3/8"	11"	3MT	DWDTSMM25.50	\$76.15
26.00	6-1/2"	11-1/8"	3MT	DWDTSMM26.00	\$76.15
26.50	6-5/8"	11-1/4"	3MT	DWDTSMM26.50	\$84.59
27.00	6-5/8"	11-1/4"	3MT	DWDTSMM27.00	\$94.03
27.50	6-7/8"	12-1/2"	4MT	DWDTSMM27.50	\$94.03
28.00	7-1/8"	12-3/4"	4MT	DWDTSMM28.00	\$98.69
28.50	7-1/8"	12-3/4"	4MT	DWDTSMM28.50	\$98.69
29.00	7-1/4"	12-7/8"	4MT	DWDTSMM29.00	\$102.27
29.50	7-1/4"	12-7/8"	4MT	DWDTSMM29.50	\$107.54
30.00	7-3/8"	13"	4MT	DWDTSMM30.00	\$107.54
30.50	7-1/2"	13-1/8"	4MT	DWDTSMM30.50	\$116.39
31.00	7-1/2"	13-1/8"	4MT	DWDTSMM31.00	\$121.01
31.50	7-7/8"	13-1/2"	4MT	DWDTSMM31.50	\$121.01
32.00	8-1/2"	14-1/8"	4MT	DWDTSMM32.00	\$145.11
32.50	8-1/2"	14-1/8"	4MT	DWDTSMM32.50	\$145.11
33.00	8-5/8"	14-1/4"	4MT	DWDTSMM33.00	\$147.42
33.50	8-5/8"	14-1/4"	4MT	DWDTSMM33.50	\$155.79
34.00	8-3/4"	14-3/8"	4MT	DWDTSMM34.00	\$155.79
34.50	8-7/8"	14-1/2"	4MT	DWDTSMM34.50	\$164.56
35.00	8-7/8"	14-1/2"	4MT	DWDTSMM35.00	\$169.22
35.50	9"	14-5/8"	4MT	DWDTSMM35.50	\$169.22
36.00	9-1/8"	14-3/4"	4MT	DWDTSMM36.00	\$170.95
37.00	9-1/8"	14-3/4"	4MT	DWDTSMM37.00	\$181.76
38.00	9-3/8"	15"	4MT	DWDTSMM38.00	\$181.76
39.00	9-3/8"	16-3/8"	5MT	DWDTSMM39.00	\$220.12
40.00	9-7/8"	16-7/8"	5MT	DWDTSMM40.00	\$237.77
41.00	10"	17"	5MT	DWDTSMM41.00	\$237.77
42.00	10-1/8"	17-1/8"	5MT	DWDTSMM42.00	\$255.69
43.00	10-1/8"	17-1/8"	5MT	DWDTSMM43.00	\$275.02
44.00	10-1/8"	17-1/8"	5MT	DWDTSMM44.00	\$280.69
45.00	10-1/8"	17-1/8"	5MT	DWDTSMM45.00	\$291.59
46.00	10-1/8"	17-1/8"	5MT	DWDTSMM46.00	\$299.15
47.00	10-1/8"	17-1/8"	5MT	DWDTSMM47.00	\$313.06
48.00	10-3/8"	17-3/8"	5MT	DWDTSMM48.00	\$326.64
49.00	10-3/8"	17-3/8"	5MT	DWDTSMM49.00	\$336.76
50.00	10-3/8"	17-3/8"	5MT	DWDTSMM50.00	\$344.12
51.00	10-3/8"	17-3/8"	5MT	DWDTSMM51.00	\$367.31

TAPER SHANK DRILLS

DWDTSCT Series - Carbide Tipped Taper Shank Drills

Features heavy-duty construction and heat treated body for optimum wear resistance and support of the carbide tip. Designed for drilling in cast iron and non-ferrous metals. NOT RECOMMENDED FOR DRILLING STEEL.



DWDTSCT Series

Size	Flute Length	O.A.L.	Shank Taper	Part Number	List Price
1/2"	4-3/8"	8-1/4"	2MT	DWDTSCT1/2	\$175.30
33/64"	4-5/8"	8-1/2"	2MT	DWDTSCT33/64	\$190.38
17/32"	4-5/8"	8-1/2"	2MT	DWDTSCT17/32	\$183.58
35/64"	4-7/8"	8-3/4"	2MT	DWDTSCT35/64	\$192.97
9/16"	4-7/8"	8-3/4"	2MT	DWDTSCT9/16	\$186.08
37/64"	4-7/8"	8-3/4"	2MT	DWDTSCT37/64	\$201.95
19/32"	4-7/8"	8-3/4"	2MT	DWDTSCT19/32	\$194.78
39/64"	4-7/8"	8-3/4"	2MT	DWDTSCT39/64	\$229.84
5/8"	4-7/8"	8-3/4"	2MT	DWDTSCT5/8	\$221.60
41/64"	5-1/8"	9"	2MT	DWDTSCT41/64	\$243.67
21/32"	5-1/8"	9"	2MT	DWDTSCT21/32	\$234.97
43/64"	5-3/8"	9-1/4"	2MT	DWDTSCT43/64	\$236.10
11/16"	5-3/8"	9-1/4"	2MT	DWDTSCT11/16	\$227.65
45/64"	5-5/8"	9-1/2"	2MT	DWDTSCT45/64	\$242.45
23/32"	5-5/8"	9-1/2"	2MT	DWDTSCT23/32	\$233.81
47/64"	5-7/8"	9-3/4"	2MT	DWDTSCT47/64	\$247.48
3/4"	5-7/8"	9-3/4"	2MT	DWDTSCT3/4	\$238.65

DWDTSCT Series

Size	Flute Length	O.A.L.	Shank Taper	Part Number	List Price
49/64"	6"	9-7/8"	2MT	DWDTSCT49/64	\$258.62
25/32"	6"	9-7/8"	2MT	DWDTSCT25/32	\$258.62
51/64"	6-1/8"	10-3/4"	3MT	DWDTSCT51/64	\$261.17
13/16"	6-1/8"	10-3/4"	3MT	DWDTSCT13/16	\$261.17
53/64"	6-1/8"	10-3/4"	3MT	DWDTSCT53/64	\$267.13
27/32"	6-1/8"	10-3/4"	3MT	DWDTSCT27/32	\$267.13
55/64"	6-1/8"	10-3/4"	3MT	DWDTSCT55/64	\$283.41
7/8"	6-1/8"	10-3/4"	3MT	DWDTSCT7/8	\$283.41
57/64"	6-1/8"	10-3/4"	3MT	DWDTSCT57/64	\$304.96
29/32"	6-1/8"	10-3/4"	3MT	DWDTSCT29/32	\$304.96
59/64"	6-1/8"	10-3/4"	3MT	DWDTSCT59/64	\$303.57
15/16"	6-1/8"	10-3/4"	3MT	DWDTSCT15/16	\$303.57
61/64"	6-3/8"	11"	3MT	DWDTSCT61/64	\$325.76
31/32"	6-3/8"	11"	3MT	DWDTSCT31/32	\$325.76
63/64"	6-3/8"	11"	3MT	DWDTSCT63/64	\$320.52
1"	6-3/8"	11"	3MT	DWDTSCT1INCH	\$320.52

DWDTSCO Series - Cobalt Taper Shank Drills

Made of heat resistant cobalt. Engineered with heavy-duty construction to perform well in tough, hard-to-machine materials. Notched Point.



DWDTSCO Series

Size	Flute Length	O.A.L.	Shank Taper	Part Number	List Price
1/4"	2-7/8"	6-1/8"	1MT	DWDTSCO1/4	\$58.68
5/16"	3-1/8"	6-3/8"	1MT	DWDTSCO5/16	\$62.39
3/8"	3-1/2"	6-3/4"	1MT	DWDTSCO3/8	\$89.64
7/16"	3-7/8"	7-1/4"	1MT	DWDTSCO7/16	\$102.66
1/2"	4-3/8"	8-1/4"	2MT	DWDTSCO1/2	\$113.81
17/32"	4-5/8"	8-1/2"	2MT	DWDTSCO17/32	\$129.13
9/16"	4-7/8"	8-3/4"	2MT	DWDTSCO9/16	\$135.07
19/32"	4-7/8"	8-3/4"	2MT	DWDTSCO19/32	\$150.24
5/8"	4-7/8"	8-3/4"	2MT	DWDTSCO5/8	\$153.65
11/16"	5-3/8"	9-1/4"	2MT	DWDTSCO11/16	\$187.79
3/4"	5-7/8"	9-3/4"	2MT	DWDTSCO3/4	\$217.69

DWDTSCO Series

Size	Flute Length	O.A.L.	Shank Taper	Part Number	List Price
13/16"	6-1/8"	10-3/4"	3MT	DWDTSCO13/16	\$236.43
7/8"	6-1/8"	10-3/4"	3MT	DWDTSCO7/8	\$275.33
15/16"	6-1/8"	10-3/4"	3MT	DWDTSCO15/16	\$323.60
1"	6-3/8"	11"	3MT	DWDTSCO1INCH	\$366.29
1-1/8"	7-1/8"	12-3/4"	4MT	DWDTSCO1-1/8	\$513.38
1-3/16"	7-3/8"	13"	4MT	DWDTSCO1-3/16	\$581.96
1-1/4"	7-7/8"	13-1/2"	4MT	DWDTSCO1-1/4	\$675.83
1-5/16"	8-5/8"	14-1/4"	4MT	DWDTSCO1-5/16	\$791.77
1-3/8"	8-7/8"	14-1/2"	4MT	DWDTSCO1-3/8	\$849.34
1-1/2"	9-3/8"	15"	4MT	DWDTSCO1-1/2	\$985.77

TAPER LENGTH DRILLS

DWDTL Series - HSS Taper Length Drills

Designed for general purpose drilling where a length longer than Jobber Length is required. Performs under a variety of normal conditions and in a broad range of materials in the iron and steel families.

DWDTLCO Series - Cobalt Taper Length Drills

Made of heat resistant cobalt. Features 135° heavy-duty construction for drilling in tough alloy steels, forgings, and castings.

DWDTLCT Series - Carbide Tipped Taper Length Drills

Features heavy-duty construction and heat treated body for optimum wear resistance and support of the carbide tip. Particularly advantageous when length longer than Jobber Length is required. Used in production drilling of cast iron, non-ferrous metals, and many composites. Tanged shank allows for use with ASA split sleeve drivers. NOT RECOMMENDED FOR DRILLING STEEL.

				DWDTL Series		DWDTLCO Series		DWDTLCT Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price	Part Number	List Price
1/64"	.0156	5/16"	1-1/2"	DWDTL1/64	\$9.92	-	-	-	-
1/32"	.0312	3/4"	2"	DWDTL1/32	\$7.22	-	-	-	-
3/64"	.0469	1-1/8"	2-1/4"	DWDTL3/64	\$3.34	-	-	-	-
1/16"	.0625	1-3/4"	3"	DWDTL1/16	\$3.61	DWDTLCO1/16	\$11.23	-	-
5/64"	.0781	2"	3-3/4"	DWDTL5/64	\$4.15	DWDTLCO5/64	\$13.08	-	-
3/32"	.0938	2-1/4"	4-1/4"	DWDTL3/32	\$5.05	DWDTLCO3/32	\$15.65	-	-
7/64"	.1094	2-1/2"	4-5/8"	DWDTL7/64	\$6.29	DWDTLCO7/64	\$19.69	-	-
1/8"	.1250	2-3/4"	5-1/8"	DWDTL1/8	\$6.51	DWDTLCO1/8	\$20.23	DWDTLCT1/8	\$43.44
9/64"	.1406	3"	5-3/8"	DWDTL9/64	\$7.89	DWDTLCO9/64	\$24.63	DWDTLCT9/64	\$43.44
5/32"	.1562	3"	5-3/8"	DWDTL5/32	\$7.89	DWDTLCO5/32	\$24.63	DWDTLCT5/32	\$45.77
11/64"	.1719	3-3/8"	5-3/4"	DWDTL11/64	\$7.89	DWDTLCO11/64	\$24.63	DWDTLCT11/64	\$46.59
3/16"	.1875	3-3/8"	5-3/4"	DWDTL3/16	\$7.89	DWDTLCO3/16	\$24.63	DWDTLCT3/16	\$46.59
13/64"	.2031	3-5/8"	6"	DWDTL13/64	\$9.20	DWDTLCO13/64	\$28.76	DWDTLCT13/64	\$49.24
7/32"	.2188	3-5/8"	6"	DWDTL7/32	\$9.20	DWDTLCO7/32	\$28.76	DWDTLCT7/32	\$49.24
15/64"	.2344	3-3/4"	6-1/8"	DWDTL15/64	\$9.20	DWDTLCO15/64	\$29.81	DWDTLCT15/64	\$56.65
1/4"	.2500	3-3/4"	6-1/8"	DWDTL1/4	\$9.20	DWDTLCO1/4	\$28.76	DWDTLCT1/4	\$55.59
17/64"	.2656	3-7/8"	6-1/4"	DWDTL17/64	\$11.26	DWDTLCO17/64	\$36.12	DWDTLCT17/64	\$63.53
9/32"	.2812	3-7/8"	6-1/4"	DWDTL9/32	\$11.26	DWDTLCO9/32	\$34.83	DWDTLCT9/32	\$62.38
19/64"	.2969	4"	6-3/8"	DWDTL19/64	\$11.41	DWDTLCO19/64	\$36.12	DWDTLCT19/64	\$68.58
5/16"	.3125	4"	6-3/8"	DWDTL5/16	\$11.41	DWDTLCO5/16	\$34.83	DWDTLCT5/16	\$67.35
21/64"	.3281	4-1/8"	6-1/2"	DWDTL21/64	\$13.08	DWDTLCO21/64	\$41.56	DWDTLCT21/64	\$75.54
11/32"	.3438	4-1/8"	6-1/2"	DWDTL11/32	\$13.08	DWDTLCO11/32	\$40.05	DWDTLCT11/32	\$74.17
23/64"	.3594	4-1/4"	6-3/4"	DWDTL23/64	\$15.39	DWDTLCO23/64	\$49.01	DWDTLCT23/64	\$82.85
3/8"	.3750	4-1/4"	6-3/4"	DWDTL3/8	\$15.39	DWDTLCO3/8	\$47.24	DWDTLCT3/8	\$81.35
25/64"	.3906	4-3/8"	7"	DWDTL25/64	\$16.07	DWDTLCO25/64	\$50.92	DWDTLCT25/64	\$91.24
13/32"	.4062	4-3/8"	7"	DWDTL13/32	\$16.07	DWDTLCO13/32	\$49.11	DWDTLCT13/32	\$89.57
27/64"	.4219	4-5/8"	7-1/4"	DWDTL27/64	\$17.34	DWDTLCO27/64	\$55.24	DWDTLCT27/64	\$105.03
7/16"	.4375	4-5/8"	7-1/4"	DWDTL7/16	\$17.69	DWDTLCO7/16	\$54.35	DWDTLCT7/16	\$103.14
29/64"	.4531	4-3/4"	7-1/2"	DWDTL29/64	\$19.61	DWDTLCO29/64	\$62.61	DWDTLCT29/64	\$116.02
15/32"	.4688	4-3/4"	7-1/2"	DWDTL15/32	\$20.82	DWDTLCO15/32	\$63.74	DWDTLCT15/32	\$113.89
31/64"	.4844	4-3/4"	7-3/4"	DWDTL31/64	\$21.74	DWDTLCO31/64	\$69.29	DWDTLCT31/64	\$121.53
1/2"	.5000	4-3/4"	7-3/4"	DWDTL1/2	\$21.74	DWDTLCO1/2	\$66.83	DWDTLCT1/2	\$119.31
33/64"	.5156	4-3/4"	8"	DWDTL33/64	\$33.46	DWDTLCO33/64	\$88.98	DWDTLCT33/64	\$156.58
17/32"	.5312	4-3/4"	8"	DWDTL17/32	\$33.46	DWDTLCO17/32	\$85.82	DWDTLCT17/32	\$154.47
35/64"	.5469	4-7/8"	8-1/4"	DWDTL35/64	\$35.17	DWDTLCO35/64	\$96.15	DWDTLCT35/64	\$152.62
9/16"	.5625	4-7/8"	8-1/4"	DWDTL9/16	\$35.17	DWDTLCO9/16	\$92.72	DWDTLCT9/16	\$155.99
37/64"	.5781	4-7/8"	8-3/4"	DWDTL37/64	\$41.11	DWDTLCO37/64	\$112.27	DWDTLCT37/64	\$170.72
19/32"	.5938	4-7/8"	8-3/4"	DWDTL19/32	\$41.11	DWDTLCO19/32	\$108.23	DWDTLCT19/32	\$167.73
39/64"	.6094	4-7/8"	8-3/4"	DWDTL39/64	\$42.55	DWDTLCO39/64	\$112.27	DWDTLCT39/64	\$196.69
5/8"	.6250	4-7/8"	8-3/4"	DWDTL5/8	\$42.55	DWDTLCO5/8	\$108.23	DWDTLCT5/8	\$189.66
41/64"	.6406	5-1/8"	9"	DWDTL41/64	\$49.84	DWDTLCO41/64	\$123.84	DWDTLCT41/64	\$204.02
21/32"	.6562	5-3/8"	9"	DWDTL21/32	\$48.49	DWDTLCO21/32	\$119.40	DWDTLCT21/32	\$196.72
43/64"	.6719	5-3/8"	9-1/4"	DWDTL43/64	\$58.53	DWDTLCO43/64	\$144.83	DWDTLCT43/64	\$207.53
11/16"	.6875	5-3/8"	9-1/4"	DWDTL11/16	\$61.01	DWDTLCO11/16	\$139.67	DWDTLCT11/16	\$200.11
45/64"	.7031	5-5/8"	9-1/2"	DWDTL45/64	\$61.63	DWDTLCO45/64	\$158.53	DWDTLCT45/64	\$209.81
23/32"	.7188	5-5/8"	9-1/2"	DWDTL23/32	\$59.98	DWDTLCO23/32	\$152.84	DWDTLCT23/32	\$204.48
47/64"	.7344	5-7/8"	9-3/4"	DWDTL47/64	\$66.28	DWDTLCO47/64	\$167.78	DWDTLCT47/64	\$213.32
3/4"	.7500	5-7/8"	9-3/4"	DWDTL3/4	\$64.50	DWDTLCO3/4	\$161.79	DWDTLCT3/4	\$208.99
49/64"	.7656	6"	9-7/8"	DWDTL49/64	\$74.75	DWDTLCO49/64	\$197.53	DWDTLCT49/64	\$226.23
25/32"	.7812	6"	9-7/8"	DWDTL25/32	\$72.73	DWDTLCO25/32	\$190.49	DWDTLCT25/32	\$227.33

TAPER LENGTH DRILLS

				DWDTL Series		DWDTLCO Series		DWDTLCT Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price	Part Number	List Price
51/64"	.7969	6-1/8"	10"	DWDTL51/64	\$80.40	DWDTLCO51/64	\$212.33	DWDTLCT51/64	\$227.33
13/16"	.8125	6-1/8"	10"	DWDTL13/16	\$78.22	DWDTLCO13/16	\$204.76	DWDTLCT13/16	\$227.33
53/64"	.8281	6-1/8"	10"	DWDTL53/64	\$84.60	DWDTLCO53/64	\$219.77	DWDTLCT53/64	\$227.33
27/32"	.8438	6-1/8"	10"	DWDTL27/32	\$82.32	DWDTLCO27/32	\$211.94	DWDTLCT27/32	\$227.33
55/64"	.8594	6-1/8"	10"	DWDTL55/64	\$88.88	DWDTLCO55/64	\$230.92	DWDTLCT55/64	\$240.29
7/8"	.8750	6-1/8"	10"	DWDTL7/8	\$86.47	DWDTLCO7/8	\$222.68	DWDTLCT7/8	\$240.29
57/64"	.8906	6-1/8"	10"	DWDTL57/64	\$92.60	DWDTLCO57/64	\$240.54	DWDTLCT57/64	\$248.63
29/32"	.9062	6-1/8"	10"	DWDTL29/32	\$90.10	DWDTLCO29/32	\$231.96	DWDTLCT29/32	\$248.63
59/64"	.9219	6-1/8"	10-3/4"	DWDTL59/64	\$100.77	DWDTLCO59/64	\$261.74	DWDTLCT59/64	\$252.19
15/16"	.9375	6-1/8"	10-3/4"	DWDTL15/16	\$98.03	DWDTLCO15/16	\$252.41	DWDTLCT15/16	\$252.19
61/64"	.9531	6-3/8"	11"	DWDTL61/64	\$111.17	DWDTLCO61/64	\$288.92	DWDTLCT61/64	\$264.13
31/32"	.9688	6-3/8"	11"	DWDTL31/32	\$108.15	DWDTLCO31/32	\$278.61	DWDTLCT31/32	\$264.13
63/64"	.9844	6-3/8"	11"	DWDTL63/64	\$115.89	DWDTLCO63/64	\$301.16	DWDTLCT63/64	\$272.41
1"	1.0000	6-3/8"	11"	DWDTL1INCH	\$112.74	DWDTLCO1INCH	\$290.38	DWDTLCT1INCH	\$272.41
1-1/8"	1.1250	7-1/8"	11-3/4"	DWDTL1-1/8	\$169.58				
1-1/4"	1.2500	7-7/8"	12-1/2"	DWDTL1-1/4	\$212.87				
1-3/8"	1.3750	8-7/8"	14-1/2"	DWDTL1-3/8	\$272.41				
1-1/2"	1.5000	9-3/8"	15"	DWDTL1-1/2	\$332.76				

WIRE GAUGE SIZES



DWDTL Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
1	.2280	3-3/4"	6-1/8"	DWDTL1	\$12.70
2	.2210	3-5/8"	6"	DWDTL2	\$12.70
3	.2130	3-5/8"	6"	DWDTL3	\$12.24
4	.2090	3-5/8"	6"	DWDTL4	\$12.24
5	.2055	3-5/8"	6"	DWDTL5	\$12.24
6	.2040	3-5/8"	6"	DWDTL6	\$12.24
7	.2010	3-5/8"	6"	DWDTL7	\$12.24
8	.1990	3-5/8"	6"	DWDTL8	\$12.24
9	.1960	3-5/8"	6"	DWDTL9	\$12.24
10	.1935	3-5/8"	6"	DWDTL10	\$12.24
11	.1910	3-5/8"	6"	DWDTL11	\$12.24
12	.1890	3-5/8"	6"	DWDTL12	\$12.24
13	.1850	3-3/8"	5-3/4"	DWDTL13	\$11.13
14	.1820	3-3/8"	5-3/4"	DWDTL14	\$11.13
15	.1800	3-3/8"	5-3/4"	DWDTL15	\$11.13
16	.1770	3-3/8"	5-3/4"	DWDTL16	\$11.13
17	.1730	3-3/8"	5-3/4"	DWDTL17	\$11.13
18	.1695	3-3/8"	5-3/4"	DWDTL18	\$11.13
19	.1660	3-3/8"	5-3/4"	DWDTL19	\$11.13
20	.1610	3-3/8"	5-3/4"	DWDTL20	\$11.13
21	.1590	3-3/8"	5-3/4"	DWDTL21	\$11.13
22	.1570	3-3/8"	5-3/4"	DWDTL22	\$11.13
23	.1540	3"	5-3/8"	DWDTL23	\$11.13
24	.1520	3"	5-3/8"	DWDTL24	\$11.13
25	.1495	3"	5-3/8"	DWDTL25	\$11.13
26	.1470	3"	5-3/8"	DWDTL26	\$11.13
27	.1440	3"	5-3/8"	DWDTL27	\$11.13
28	.1405	3"	5-3/8"	DWDTL28	\$11.13
29	.1360	3"	5-3/8"	DWDTL29	\$11.13
30	.1285	3"	5-3/8"	DWDTL30	\$11.13
31	.1200	2-3/4"	5-1/8"	DWDTL31	\$10.91
32	.1160	2-3/4"	5-1/8"	DWDTL32	\$10.91
33	.1130	2-3/4"	5-1/8"	DWDTL33	\$10.91
34	.1110	2-3/4"	5-1/8"	DWDTL34	\$10.91
35	.1100	2-3/4"	5-1/8"	DWDTL35	\$10.91
36	.1065	2-1/2"	4-5/8"	DWDTL36	\$8.18
37	.1040	2-1/2"	4-5/8"	DWDTL37	\$8.18
38	.1015	2-1/2"	4-5/8"	DWDTL38	\$8.18
39	.0995	2-1/2"	4-5/8"	DWDTL39	\$7.13
40	.0980	2-1/2"	4-5/8"	DWDTL40	\$7.13

DWDTL Series					
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
41	.0960	2-1/2"	4-5/8"	DWDTL41	\$7.13
42	.0935	2-1/4"	4-1/4"	DWDTL42	\$6.02
43	.0890	2-1/4"	4-1/4"	DWDTL43	\$6.02
44	.0860	2-1/4"	4-1/4"	DWDTL44	\$6.02
45	.0820	2-1/4"	4-1/4"	DWDTL45	\$6.02
46	.0810	2-1/4"	4-1/4"	DWDTL46	\$6.02
47	.0785	2-1/4"	4-1/4"	DWDTL47	\$6.02
48	.0760	2"	3-3/4"	DWDTL48	\$4.73
49	.0730	2"	3-3/4"	DWDTL49	\$4.73
50	.0700	2"	3-3/4"	DWDTL50	\$4.73
51	.0670	2"	3-3/4"	DWDTL51	\$4.73
52	.0635	2"	3-3/4"	DWDTL52	\$4.73
53	.0595	1-3/4"	3"	DWDTL53	\$4.75
54	.0550	1-3/4"	3"	DWDTL54	\$4.75
55	.0520	1-3/4"	3"	DWDTL55	\$4.75
56	.0465	1-1/8"	2-1/4"	DWDTL56	\$4.75
57	.0430	1-1/8"	2-1/4"	DWDTL57	\$4.75
58	.0420	1-1/8"	2-1/4"	DWDTL58	\$4.75
59	.0410	1-1/8"	2-1/4"	DWDTL59	\$4.75
60	.0400	1-1/8"	2-1/4"	DWDTL60	\$4.75
61	.0390	1-1/8"	2-1/4"	DWDTL61	\$5.09
62	.0380	3/4"	2"	DWDTL62	\$5.09
63	.0370	3/4"	2"	DWDTL63	\$5.09
64	.0360	3/4"	2"	DWDTL64	\$5.09
65	.0350	3/4"	2"	DWDTL65	\$5.09
66	.0330	3/4"	2"	DWDTL66	\$6.15
67	.0320	3/4"	2"	DWDTL67	\$6.15
68	.0310	3/4"	2"	DWDTL68	\$6.15
69	.0292	3/4"	2"	DWDTL69	\$6.15
70	.0280	3/4"	2"	DWDTL70	\$6.73
71	.0260	3/4"	2"	DWDTL71	\$6.73
72	.0250	5/16"	1-1/2"	DWDTL72	\$6.73
73	.0240	5/16"	1-1/2"	DWDTL73	\$6.73
74	.0225	5/16"	1-1/2"	DWDTL74	\$6.73
75	.0210	5/16"	1-1/2"	DWDTL75	\$6.73
76	.0200	5/16"	1-1/2"	DWDTL76	\$8.07
77	.0180	5/16"	1-1/2"	DWDTL77	\$8.07
78	.0160	5/16"	1-1/2"	DWDTL78	\$8.07
79	.0145	5/16"	1-1/2"	DWDTL79	\$8.07
80	.0135	5/16"	1-1/2"	DWDTL80	\$8.07

HSS EXTRA LONG DRILLS

8" O.A.L. & 12" O.A.L

DWDDL Series - Long Boy Drills

For general purpose drilling in applications where extra length for reach is required, designed to perform in a broad range of materials in the iron and steel families. 118° standard point. Unless otherwise specified, drill bits (including those over 1/2") have a straight shank.



8 " O . A . L .

DWDDL Series

Size	Dec. Equiv.	Flute Length	Part Number	List Price
5/64"	.0781	6"	DWDDL8X5/64	\$20.11
7/64"	.1094	6"	DWDDL8X7/64	\$15.72
1/8"	.1250	6"	DWDDL8X1/8	\$15.72
9/64"	.1406	6"	DWDDL8X9/64	\$17.14
5/32"	.1563	6"	DWDDL8X5/32	\$17.14
11/64"	.1719	6"	DWDDL8X11/64	\$17.31
3/16"	.1875	6"	DWDDL8X3/16	\$17.31
13/64"	.2031	6"	DWDDL8X13/64	\$19.21
7/32"	.2188	6"	DWDDL8X7/32	\$19.21
15/64"	.2344	6"	DWDDL8X15/64	\$19.21
1/4"	.2500	6"	DWDDL8X1/4	\$19.21
17/64"	.2656	6"	DWDDL8X17/64	\$20.79

DWDDL Series

Size	Dec. Equiv.	Flute Length	Part Number	List Price
9/32"	.2813	6"	DWDDL8X9/32	\$20.79
19/64"	.2969	6"	DWDDL8X19/64	\$20.79
5/16"	.3125	6"	DWDDL8X5/16	\$20.79
21/64"	.3281	6"	DWDDL8X21/64	\$22.36
11/32"	.3438	6"	DWDDL8X11/32	\$22.36
23/64"	.3594	6"	DWDDL8X23/64	\$22.36
3/8"	.3750	6"	DWDDL8X3/8	\$22.36
25/64"	.3906	6"	DWDDL8X25/64	\$25.81
13/32"	.4063	6"	DWDDL8X13/32	\$25.81
7/16"	.4375	6"	DWDDL8X7/16	\$27.31
15/32"	.4688	6"	DWDDL8X15/32	\$30.50
31/64"	.4844	6"	DWDDL8X31/64	\$30.50
1/2"	.5000	6"	DWDDL8X1/2	\$30.50

1 2 " O . A . L .

DWDDL Series

Size	Dec. Equiv.	Flute Length	Part Number	List Price
5/64"	.0781	9"	DWDDL12X5/64	\$20.11
3/32"	.0938	9"	DWDDL12X3/32	\$20.11
7/64"	.1094	9"	DWDDL12X7/64	\$20.11
1/8"	.1250	9"	DWDDL12X1/8	\$18.29
9/64"	.1406	9"	DWDDL12X9/64	\$19.38
5/32"	.1563	9"	DWDDL12X5/32	\$19.38
11/64"	.1719	9"	DWDDL12X11/64	\$21.18
3/16"	.1875	9"	DWDDL12X3/16	\$21.18
13/64"	.2031	9"	DWDDL12X13/64	\$22.24
7/32"	.2188	9"	DWDDL12X7/32	\$22.24
15/64"	.2344	9"	DWDDL12X15/64	\$22.24
1/4"	.2500	9"	DWDDL12X1/4	\$22.24
17/64"	.2656	9"	DWDDL12X17/64	\$24.04
9/32"	.2813	9"	DWDDL12X9/32	\$24.04
19/64"	.2969	9"	DWDDL12X19/64	\$25.10
5/16"	.3125	9"	DWDDL12X5/16	\$25.10
21/64"	.3281	9"	DWDDL12X21/64	\$27.61
11/32"	.3438	9"	DWDDL12X11/32	\$27.61
23/64"	.3594	9"	DWDDL12X23/64	\$29.07
3/8"	.3750	9"	DWDDL12X3/8	\$28.51
25/64"	.3906	9"	DWDDL12X25/64	\$32.63
13/32"	.4063	9"	DWDDL12X13/32	\$32.10

DWDDL Series

Size	Dec. Equiv.	Flute Length	Part Number	List Price
27/64"	.4219	9"	DWDDL12X27/64	\$33.73
7/16"	.4375	9"	DWDDL12X7/16	\$33.63
29/64"	.4531	9"	DWDDL12X29/64	\$37.99
15/32"	.4688	9"	DWDDL12X15/32	\$37.82
31/64"	.4844	9"	DWDDL12X31/64	\$40.03
1/2"	.5000	9"	DWDDL12X1/2	\$40.51
33/64"	.5156	9"	DWDDL12X33/64	\$54.84
17/32"	.5313	9"	DWDDL12X17/32	\$52.89
35/64"	.5469	9"	DWDDL12X35/64	\$54.84
9/16"	.5625	9"	DWDDL12X9/16	\$52.89
37/64"	.5781	9"	DWDDL12X37/64	\$58.93
19/32"	.5938	9"	DWDDL12X19/32	\$56.83
39/64"	.6094	9"	DWDDL12X39/64	\$61.93
5/8"	.6250	9"	DWDDL12X5/8	\$59.69
41/64"	.6406	9"	DWDDL12X41/64	\$65.20
21/32"	.6563	9"	DWDDL12X21/32	\$65.20
43/64"	.6719	9"	DWDDL12X43/64	\$68.97
11/16"	.6875	9"	DWDDL12X11/16	\$68.97
45/64"	.7031	9"	DWDDL12X45/64	\$74.68
23/32"	.7188	9"	DWDDL12X23/32	\$74.68
47/64"	.7344	9"	DWDDL12X47/64	\$77.62
3/4"	.7500	9"	DWDDL12X3/4	\$77.62

HSS EXTRA LONG DRILLS

18" O.A.L. & 24" O.A.L

For general purpose drilling in applications where extra length for reach is required, designed to perform in a broad range of materials in the iron and steel families. 118° standard point. Unless otherwise specified, drill bits (including those over 1/2") have a straight shank.



18" O.A.L.

DWDDL Series

Size	Dec. Equiv.	Flute Length	Part Number	List Price
1/8"	.1250	13"	DWDDL18X1/8	\$74.57
9/64"	.1406	13"	DWDDL18X9/64	\$48.24
5/32"	.1563	13"	DWDDL18X5/32	\$48.24
11/64"	.1719	13"	DWDDL18X11/64	\$48.24
3/16"	.1875	13"	DWDDL18X3/16	\$43.85
13/64"	.2031	13"	DWDDL18X13/64	\$48.24
7/32"	.2188	13"	DWDDL18X7/32	\$43.85
15/64"	.2344	13"	DWDDL18X15/64	\$48.24
1/4"	.2500	13"	DWDDL18X1/4	\$43.85
17/64"	.2656	13"	DWDDL18X17/64	\$47.23
9/32"	.2813	13"	DWDDL18X9/32	\$47.23
19/64"	.2969	13"	DWDDL18X19/64	\$50.05
5/16"	.3125	13"	DWDDL18X5/16	\$48.26
21/64"	.3281	13"	DWDDL18X21/64	\$55.57
11/32"	.3438	13"	DWDDL18X11/32	\$53.53
23/64"	.3594	13"	DWDDL18X23/64	\$55.57
3/8"	.3750	13"	DWDDL18X3/8	\$53.53
25/64"	.3906	13"	DWDDL18X25/64	\$60.18
13/32"	.4063	13"	DWDDL18X13/32	\$58.04
27/64"	.4219	13"	DWDDL18X27/64	\$63.53
7/16"	.4375	13"	DWDDL18X7/16	\$62.53
29/64"	.4531	13"	DWDDL18X29/64	\$66.91
15/32"	.4688	13"	DWDDL18X15/32	\$66.91
31/64"	.4844	13"	DWDDL18X31/64	\$71.54
1/2"	.5000	13"	DWDDL18X1/2	\$71.54
33/64"	.5156	13"	DWDDL18X33/64	\$97.92
17/32"	.5313	13"	DWDDL18X17/32	\$94.43
35/64"	.5469	13"	DWDDL18X35/64	\$99.54

DWDDL Series

Size	Dec. Equiv.	Flute Length	Part Number	List Price
9/16"	.5625	13"	DWDDL18X9/16	\$95.96
37/64"	.5781	13"	DWDDL18X37/64	\$102.99
19/32"	.5938	13"	DWDDL18X19/32	\$99.36
39/64"	.6094	13"	DWDDL18X39/64	\$108.11
5/8"	.6250	13"	DWDDL18X5/8	\$104.25
41/64"	.6406	13"	DWDDL18X41/64	\$115.24
21/32"	.6563	13"	DWDDL18X21/32	\$115.24
43/64"	.6719	13"	DWDDL18X43/64	\$123.42
11/16"	.6875	13"	DWDDL18X11/16	\$123.42
45/64"	.7031	13"	DWDDL18X45/64	\$134.90
23/32"	.7188	13"	DWDDL18X23/32	\$134.90
47/64"	.7344	13"	DWDDL18X47/64	\$143.03
3/4"	.7500	13"	DWDDL18X3/4	\$143.03
49/64"	.7656	13"	DWDDL18X49/64	\$159.55
25/32"	.7813	13"	DWDDL18X25/32	\$159.55
51/64"	.7969	13"	DWDDL18X51/64	\$165.65
13/16"	.8125	13"	DWDDL18X13/16	\$165.65
53/64"	.8281	13"	DWDDL18X53/64	\$170.89
27/32"	.8438	13"	DWDDL18X27/32	\$170.89
55/64"	.8594	13"	DWDDL18X55/64	\$170.89
7/8"	.8750	13"	DWDDL18X7/8	\$170.89
57/64"	.8906	13"	DWDDL18X57/64	\$179.75
29/32"	.9063	13"	DWDDL18X29/32	\$179.75
59/64"	.9219	13"	DWDDL18X59/64	\$179.75
15/16"	.9375	13"	DWDDL18X15/16	\$179.75
61/64"	.9531	13"	DWDDL18X61/64	\$190.60
31/32"	.9688	13"	DWDDL18X31/32	\$190.60
63/64"	.9844	13"	DWDDL18X63/64	\$190.60
1"	1.0000	13"	DWDDL18X1INCH	\$190.60

24" O.A.L.

DWDDL Series

Size	Dec. Equiv.	Flute Length	Part Number	List Price
1/4"	.2500	18"	DWDDL24X1/4	\$166.46
5/16"	.3125	18"	DWDDL24X5/16	\$172.90
11/32"	.3437	18"	DWDDL24X11/32	\$189.74
3/8"	.3750	18"	DWDDL24X3/8	\$180.70
13/32"	.4062	18"	DWDDL24X13/32	\$197.51
7/16"	.4375	18"	DWDDL24X7/16	\$188.10
1/2"	.5000	18"	DWDDL24X1/2	\$193.62
17/32"	.5312	18"	DWDDL24X17/32	\$206.18

DWDDL Series

Size	Dec. Equiv.	Flute Length	Part Number	List Price
9/16"	.5625	18"	DWDDL24X9/16	\$196.36
5/8"	.6250	18"	DWDDL24X5/8	\$199.03
11/16"	.6875	18"	DWDDL24X11/16	\$207.25
3/4"	.7500	18"	DWDDL24X3/4	\$216.90
13/16"	.8125	18"	DWDDL24X13/16	\$247.27
7/8"	.8750	18"	DWDDL24X7/8	\$257.00
15/16"	.9375	18"	DWDDL24X15/16	\$284.68
1"	1.0000	18"	DWDDL24X1INCH	\$303.94

HSS EXTRA LONG REDUCED SHANK DRILLS

For general purpose drilling in applications where extra length for reach is required, designed to perform in a broad range of materials in the iron and steel families. 118° standard point. Reduced Shank Drills expand the size range capacity of a drill chuck.



1 2 " O . A . L .



DWDDL Series					
Size	Dec. Equiv.	Flute Length	Shank Size	Part Number	List Price
33/64"	.5156	9"	1/2"	DWDDL12X33/64X1/2	\$76.03
17/32"	.5313	9"	1/2"	DWDDL12X17/32X1/2	\$72.33
35/64"	.5469	9"	1/2"	DWDDL12X35/64X1/2	\$76.03
9/16"	.5625	9"	1/2"	DWDDL12X9/16X1/2	\$72.33
37/64"	.5781	9"	1/2"	DWDDL12X37/64X1/2	\$80.14
19/32"	.5938	9"	1/2"	DWDDL12X19/32X1/2	\$78.03
39/64"	.6094	9"	1/2"	DWDDL12X39/64X1/2	\$83.13
5/8"	.6250	9"	1/2"	DWDDL12X5/8X1/2	\$81.19
41/64"	.6406	9"	1/2"	DWDDL12X41/64X1/2	\$86.40
21/32"	.6563	9"	1/2"	DWDDL12X21/32X1/2	\$86.40
43/64"	.6719	9"	1/2"	DWDDL12X43/64X1/2	\$90.17
11/16"	.6875	9"	1/2"	DWDDL12X11/16X1/2	\$94.66
45/64"	.7031	9"	1/2"	DWDDL12X45/64X1/2	\$95.89
23/32"	.7188	9"	1/2"	DWDDL12X23/32X1/2	\$95.89
47/64"	.7344	9"	1/2"	DWDDL12X47/64X1/2	\$98.82
3/4"	.7500	9"	1/2"	DWDDL12X3/4X1/2	\$105.60
49/64"	.7656	9"	1/2"	DWDDL12X49/64X1/2	\$108.65
25/32"	.7813	9"	1/2"	DWDDL12X25/32X1/2	\$108.65

DWDDL Series					
Size	Dec. Equiv.	Flute Length	Shank Size	Part Number	List Price
51/64"	.7969	9"	1/2"	DWDDL12X51/64X1/2	\$112.31
13/16"	.8125	9"	1/2"	DWDDL12X13/16X1/2	\$112.31
53/64"	.8281	9"	1/2"	DWDDL12X53/64X1/2	\$115.19
27/32"	.8438	9"	1/2"	DWDDL12X27/32X1/2	\$115.19
55/64"	.8594	9"	1/2"	DWDDL12X55/64X1/2	\$115.19
7/8"	.8750	9"	1/2"	DWDDL12X7/8X1/2	\$115.19
57/64"	.8906	9"	1/2"	DWDDL12X57/64X1/2	\$120.06
29/32"	.9063	9"	1/2"	DWDDL12X29/32X1/2	\$120.06
59/64"	.9219	9"	1/2"	DWDDL12X59/64X1/2	\$120.06
15/16"	.9375	9"	1/2"	DWDDL12X15/16X1/2	\$120.06
61/64"	.9531	9"	1/2"	DWDDL12X61/64X1/2	\$126.03
31/32"	.9688	9"	1/2"	DWDDL12X31/32X1/2	\$126.03
63/64"	.9844	9"	1/2"	DWDDL12X63/64X1/2	\$126.03
1"	1.000	9"	1/2"	DWDDL12X1INCHX1/2	\$126.03
1-1/8"	1.125	9"	3/4"	DWDDL12X1-1/8X3/4	\$187.51
1-3/16"	1.187	9"	3/4"	DWDDL12X1-3/16X3/4	\$202.35
1-1/4"	1.250	9"	3/4"	DWDDL12X1-1/4X3/4	\$217.19

1 8 " O . A . L .



DWDDL Series					
Size	Dec. Equiv.	Flute Length	Shank Size	Part Number	List Price
17/32"	.5313	13"	1/2"	DWDDL18X17/32X1/2	\$131.52
9/16"	.5625	13"	1/2"	DWDDL18X9/16X1/2	\$133.06
19/32"	.5938	13"	1/2"	DWDDL18X19/32X1/2	\$136.45
5/8"	.6250	13"	1/2"	DWDDL18X5/8X1/2	\$141.65
21/32"	.6563	13"	1/2"	DWDDL18X21/32X1/2	\$152.34
11/16"	.6875	13"	1/2"	DWDDL18X11/16X1/2	\$172.39
23/32"	.7188	13"	1/2"	DWDDL18X23/32X1/2	\$172.00
3/4"	.7500	13"	1/2"	DWDDL18X3/4X1/2	\$193.16
25/32"	.7813	13"	1/2"	DWDDL18X25/32X1/2	\$196.65
13/16"	.8125	13"	1/2"	DWDDL18X13/16X1/2	\$202.75

DWDDL Series					
Size	Dec. Equiv.	Flute Length	Shank Size	Part Number	List Price
27/32"	.8438	13"	1/2"	DWDDL18X27/32X1/2	\$207.99
7/8"	.8750	13"	1/2"	DWDDL18X7/8X1/2	\$230.14
29/32"	.9063	13"	1/2"	DWDDL18X29/32X1/2	\$230.14
15/16"	.9375	13"	1/2"	DWDDL18X15/16X1/2	\$230.14
31/32"	.9688	13"	1/2"	DWDDL18X31/32X1/2	\$234.51
1"	1.000	13"	1/2"	DWDDL18X1INCHX1/2	\$256.10
1-1/8"	1.125	13"	3/4"	DWDDL18X1-1/8X3/4	\$214.43
1-3/16"	1.187	13"	3/4"	DWDDL18X1-3/16X3/4	\$232.78
1-1/4"	1.250	13"	3/4"	DWDDL18X1-1/4X3/4	\$248.12

2 4 " O . A . L .



DWDDL Series					
Size	Dec. Equiv.	Flute Length	Shank Size	Part Number	List Price
1"	1.000	18"	1/2"	DWDDL24X1INCHX1/2	\$409.37
1-1/8"	1.125	18"	3/4"	DWDDL24X1-1/8X3/4	\$401.52

DWDDL Series					
Size	Dec. Equiv.	Flute Length	Shank Size	Part Number	List Price
1-3/16"	1.187	18"	3/4"	DWDDL24X1-3/16X3/4	\$430.24
1-1/4"	1.250	18"	3/4"	DWDDL24X1-1/4X3/4	\$503.60

DRILL BIT SETS IN ROUND PLASTIC CASE

PC Series - BIT Cooler Drill Sets

Drill America Bit Cooler Drill Bit Sets come in a rust resistant, water resistant round plastic case. They are available in jobber length sizes in high speed steel and cobalt in 29 piece (fractional) and 25 piece (metric) sets.

Size	Pieces	Description	Part Number	List Price
1/16" - 1/2" x 64ths	29	KFD Black & Gold m2 HSS w/135° Split Point Tip	KFD29J-PC	\$158.83
1/16" - 1/2" x 64ths	29	Qualtech M35 Gold Finish Cobalt w/135° Split Point Tip	DWD29J-CO-PC	\$216.21
1/16" - 1/2" x 64ths	29	Drill America M42 Gold Finish Cobalt w/135° Split Point Tip	D/A29J-CO-PC	\$301.15
1/16" - 1/2" x 64ths	29	Drill America HSS Black Oxide w/118° Conventional Tip	D/A29J-PC	\$164.68
1/16" - 1/2" x 64ths	29	Qualtech HSS Black Oxide w/118° Conventional Tip	DWD29J-PC	\$82.58
1/16" - 1/2" x 64ths	29	Cobalt Stepped Point w/135° Split Point and Gold Finish	GSC29J-PC	\$501.00
1/16" - 1/2" x 64ths	29	Drill America HSS Black Oxide w/135° Split Point Tip	D/A29J-SP-PC	\$162.46
1/16" - 1/2" x 64ths	29	Black & Gold Contractor HSS w/135° Split Point Tip and 3-Flat Shank KFD29J-3F-PC	KFD29J-3F-PC	\$119.58
1/16" - 1/2" x 64ths	29	KFD Black & Gold m2 HSS w/135° Split Point Tip and 3/8" Shank KFD29JX3/8-PC	KFD29JX3/8-PC	\$213.12
1mm - 13mm x .5mm	25	KFD Black & Gold m2 HSS w/135° Split Point Tip	KFD4025-PC	\$183.45
1mm - 13mm x .5mm	25	Qualtech M35 Gold Finish Cobalt w/135° Split Point Tip	D/A4025-CO-PC	\$352.96
1mm - 13mm x .5mm	25	Qualtech HSS Black Oxide w/118° Conventional Tip	DWD4025-PC	\$115.32



DRILL SETS

2 9 P I E C E 1 / 1 6 " - 1 / 2 " X 6 4 T H S

Part Number	Description	List Price
118° General Purpose HSS Jobbers Length		
D/A29J-SET	Drill America HSS Surface Treated Jobbers	\$152.32
D/A29J-P-SET	Drill America HSS Polished Jobbers	\$152.32
D/A29J-PC	Drill America HSS Surface Treated Jobbers in Plastic Case	\$164.68
DWD29J-SET	Qualtech HSS Surface Treated Jobbers	\$70.79
DWD29J-P-SET	Qualtech HSS Polished Jobbers	\$111.30
DWD29J-PC	Qualtech HSS Surface Treated Jobbers in Plastic Case	\$82.58
135° Heavy Duty Split Point HSS Jobbers Length		
D/A29J-SP-SET	Drill America Split Point Jobbers	\$148.68
D/A29J-SP-PC	Drill America Split Point Jobbers in Plastic Case	\$162.46
DWD29J-SP-SET	Qualtech Split Point Jobbers	\$132.63
135° Heavy Duty Split Point Cobalt Jobbers Length		
D/A29J-CO-SET	Drill America Cobalt Jobbers	\$286.80
D/A29J-CO-PC	Drill America Cobalt Jobbers in Plastic Case	\$301.15
D/A29JX3/8-CO-SET	Drill America Cobalt Jobbers with 3/8 Shank	\$355.41
DWD29J-CO-SET	Qualtech Cobalt Jobbers	\$206.55
DWD29J-CO-PC	Qualtech Cobalt Jobbers in Plastic Case	\$216.21
DWD29JX3/8-CO-SET	Qualtech Cobalt Jobbers with 3/8 Shank	\$268.99
COHEX29-SET	Cobalt Quick Change Drill Bit Set in Plastic Case	\$307.87
GSC29J-PC	Cobalt Stepped Drill Bit Set in Plastic Case	\$501.00
135° Heavy Duty HSS Black and Gold Jobbers Length		
KFD29J-SET	KFD HSS Black and Gold Jobbers	\$139.84
KFD29J-PC	KFD HSS Black and Gold Jobbers in Plastic Case	\$158.83
KFD29J-3F-SET	HSS Contractor Black and Gold Jobbers Set	\$111.87
KFD29J-3F-PC	HSS Contractor Black and Gold Jobbers in Plastic Case	\$119.58
KFD29JX3/8-SET	KFD Black and Gold Jobbers with 3/8 Shank	\$180.72
KFD29JX3/8-PC	KFD Black and Gold Jobbers with 3/8 Shank in Plastic Case	\$213.12
KFDHEX29-PC	HSS KFD Quick Change Black and Gold Jobbers in Plastic Case	\$235.40
135° Heavy Duty Split Point Screw Machine Length		
D/A29S-SET	Drill America HSS Split Point Screw Machine	\$151.20
DWD29S-SET	Qualtech HSS Split Point Screw Machine	\$145.40
D/A29S-CO-SET	Drill America Cobalt Split Point Screw Machine	\$277.42
KFD29S-SET	HSS Contractor Black and Gold Screw Machine	\$128.30
135° Heavy Duty HSS Black and Gold Mechanics Length		
KFD29ML-PC	KFD HSS Black and Gold Mechanics Length in Plastic Case	\$180.88
KFD29ML-SET	KFD HSS Black and Gold Mechanics Length	\$163.13
118° General Purpose 1/4" and 3/8" Reduced Shank		
D/A29JX1/4-SET	Drill America HSS Surface Treated Jobbers with 1/4 Shank	\$205.98
DWD29JX1/4-SET	Qualtech HSS Surface Treated Jobbers with 1/4 Shank	\$154.70
D/A29JX3/8-SET	Drill America HSS Surface Treated Jobbers with 3/8 Shank	\$188.18
DWD29JX3/8-SET	Qualtech HSS Surface Treated Jobbers with 3/8 Shank	\$128.61
118° General Purpose Miscellaneous		
D/A29J-LH-SET	Drill America HSS Left Hand Jobbers	\$532.35
DWD29J-LH-SET	Qualtech HSS Left Hand Jobbers	\$287.41
DWD29J-TN-SET	Qualtech HSS TIN Coated Jobbers	\$182.89
Miscellaneous		
DWD29J-DB-SET	Qualtech Drill Blanks	\$233.52



DRILL SETS

13 PIECE 1/16" - 1/4" X 64THS

Part Number	Description	List Price
118° General Purpose HSS Jobbers Length		
D/A13J-SET	Drill America HSS Surface Treated Jobbers	\$31.42
D/A13J-P-SET	Drill America HSS Polished Jobbers	\$31.42
DWD13J-SET	Qualtech HSS Surface Treated Jobbers	\$18.48
135° Heavy Duty Split Point HSS Jobbers Length		
D/A13J-SP-SET	Drill America HSS Split Point Jobbers	\$34.88
135° Heavy Duty Split Point Cobalt Jobbers Length		
D/A13J-CO-SET	Drill America Cobalt Jobbers	\$56.83
DWD13J-CO-SET	Qualtech Cobalt Jobbers	\$41.29
COHEX13-SET	Cobalt Quick Change Hex Shank Drill Bit Set	\$55.16
135° Heavy Duty Split Point HSS Screw Machine Length		
D/A13S-SET	Drill America HSS Split Point Screw Machine	\$31.82
DWD13S-SET	Qualtech HSS Split Point Screw Machine	\$26.28
135° Heavy Duty HSS Black and Gold Jobber and Mechanics Length		
KFD13J-SET	KFD HSS Black and Gold Jobbers	\$24.96
KFD13ML-SET	KFD HSS Black and Gold Mechanical Length	\$34.34
KFDHEX13-PC	HSS KFD Quick Change Black and Gold Jobbers in Plastic Case	\$37.77
118° General Purpose Miscellaneous		
DWD13J-LH-SET	Qualtech HSS Left Hand Jobbers	\$65.75
DWD13J-TN-SET	Qualtech HSS TIN Coated Jobbers	\$68.70

15 PIECE 1/16" - 1/2" X 32NDS

Part Number	Description	List Price
118° General Purpose HSS Jobbers Length		
D/A15J-SET	Drill America HSS Surface Treated Jobbers	\$81.38
D/A15J-P-SET	Drill America HSS Polished Jobbers	\$81.38
DWD15J-SET	Qualtech HSS Surface Treated Jobbers	\$42.50
135° Heavy Duty Split Point HSS Jobbers Length		
D/A15J-SP-SET	Drill America HSS Split Point Jobbers	\$98.36
135° Heavy Duty Split Point Cobalt Jobbers Length		
D/A15J-CO-SET	Drill America Cobalt Jobbers	\$169.08
DWD15J-CO-SET	Qualtech Cobalt Jobbers	\$112.67
COHEX15-SET	Cobalt Quick Change Hex Shank Drill Bit Set	\$154.16
135° Heavy Duty Split Point HSS Screw Machine Length		
D/A15S-SET	Drill America HSS Split Point Screw Machine	\$108.39
DWD15S-SET	Qualtech HSS Split Point Screw Machine	\$76.64
135° Heavy Duty HSS Black and Gold Jobber and Mechanics Length		
KFD15J-SET	KFD HSS Black and Gold Jobbers	\$72.50
KFD15ML-SET	KFD HSS Black and Gold Mechanical Length	\$96.59
KFDHEX15-PC	HSS KFD Quick Change Black and Gold Jobbers in Plastic Case	\$128.40
118° General Purpose Miscellaneous		
DWD15J-LH-SET	Qualtech HSS Left Hand Jobbers	\$151.34
DWD15J-TN-SET	Qualtech HSS TIN Coated Jobbers	\$177.31



DRILL SETS

21 PIECE 1/16" - 3/8" X 64THS

Part Number	Description	List Price
118° General Purpose HSS Jobbers Length		
D/A21J-SET	Drill America HSS Surface Treated Jobbers	\$73.23
D/A21J-P-SET	Drill America HSS Polished Jobbers	\$73.23
DWD21J-SET	Qualtech HSS Surface Treated Jobbers	\$39.76
135° Heavy Duty Split Point HSS Jobbers Length		
D/A21J-SP-SET	Drill America HSS Split Point Jobbers	\$88.57
135° Heavy Duty Split Point Cobalt Jobbers Length		
D/A21J-CO-SET	Drill America Cobalt Jobbers	\$147.67
DWD21J-CO-SET	Qualtech Cobalt Jobbers	\$108.34
135° Heavy Duty Split Point HSS Screw Machine Length		
D/A21S-SET	Drill America HSS Split Point Screw Machine	\$96.69
DWD21S-SET	Qualtech HSS Split Point Screw Machine	\$58.58
135° Heavy Duty HSS Black and Gold Jobbers and Mechanics Length		
KFD21J-SET	KFD HSS Black and Gold Jobbers	\$87.96
KFD21ML-SET	KFD HSS Black and Gold Mechanical Length	\$97.93
118° General Purpose Miscellaneous		
DWD21J-LH-SET	Qualtech HSS Left Hand Jobbers	\$142.98
DWD21J-TN-SET	Qualtech HSS TIN Coated Jobbers	\$189.02

60 PIECE #1 - 60 WIRE GAUGE SIZES

Part Number	Description	List Price
118° General Purpose HSS Jobbers Length		
D/A60J-SET	Drill America HSS Surface Treated Jobbers	\$117.43
D/A60J-P-SET	Drill America HSS Polished Jobbers	\$117.43
DWD60J-SET	Qualtech HSS Surface Treated Jobbers	\$76.30
135° Heavy Duty Split Point HSS Jobbers Length		
D/A60J-SP-SET	Drill America HSS Split Point Jobbers	\$137.09
135° Heavy Duty Split Point Cobalt Jobbers Length		
D/A60J-CO-SET	Drill America Cobalt Jobbers	\$222.07
DWD60J-CO-SET	Qualtech Cobalt Jobbers	\$175.20
135° Heavy Duty Split Point Screw Machine Length		
D/A60S-SET	Drill America HSS Split Point Screw Machine	\$139.36
DWD60S-SET	Qualtech HSS Split Point Screw Machine	\$127.52
D/A60S-CO-SET	Drill America Cobalt Split Point Screw Machine	\$226.52
135° Heavy Duty HSS Black and Gold Jobbers Length		
KFD60J-SET	KFD HSS Black and Gold Jobbers	\$130.51
118° HSS Left Hand Jobbers		
DWD60J-LH-SET	Qualtech HSS Left Hand Jobbers	\$355.32
Miscellaneous		
DWD60J-DB-SET	Qualtech Drill Blanks	\$179.81

20 PIECE #61 - 80 WIRE GAUGE SIZES

Part Number	Description	List Price
118° General Purpose HSS Jobbers Length		
D/A20J-SET	Drill America HSS Surface Treated Jobbers	\$48.89
DWD20J-SET	Qualtech HSS Surface Treated Jobbers	\$33.10
135° Heavy Duty Split Point Cobalt Jobbers Length		
D/A20J-CO-SET	Drill America Cobalt Jobbers	\$84.94

DRILL SETS

26 PIECE A-Z - LETTER SIZES

Part Number	Description	List Price
118° General Purpose HSS Jobbers Length		
D/A26J-SET	Drill America HSS Surface Treated Jobbers	\$161.07
DWD26J-SET	Qualtech HSS Surface Treated Jobbers	\$94.23
135° Heavy Duty Split Point HSS Jobbers Length		
D/A26J-SP-SET	Drill America HSS Split Point Jobbers	\$183.82
135° Heavy Duty Split Point Cobalt Jobbers Length		
D/A26J-CO-SET	Drill America Cobalt Jobbers	\$319.74
DWD26J-CO-SET	Qualtech Cobalt Jobbers	\$231.75
135° Heavy Duty Split Point Screw Machine Length		
D/A26S-SET	Drill America HSS Split Point Screw Machine	\$186.22
D/A26S-CO-SET	Drill America Cobalt Split Point Screw Machine	\$329.47
DWD26S-SET	Qualtech HSS Split Point Screw Machine	\$147.77
135° Heavy Duty HSS Black and Gold Jobbers Length		
KFD26J-SET	KFD HSS Black and Gold Jobbers	\$154.91

115 PIECE FRAC, LETTER, WIRE GAUGE

CONTAINS SIZES 1/16" - 1/2" X 64 THS, A-Z, #1-#60 COMBINED

Part Number	Description	List Price
118° General Purpose HSS Jobbers Length		
D/A115J-SET	Drill America HSS Surface Treated Jobbers	\$400.14
D/A115J-P-SET	Drill America HSS Polished Jobbers	\$400.14
DWD115J-SET	Qualtech HSS Surface Treated Jobbers	\$206.47
135° Heavy Duty Split Point HSS Jobbers Length		
D/A115J-SP-SET	Drill America HSS Split Point Jobbers	\$486.78
135° Heavy Duty Split Point Cobalt Jobbers Length		
D/A115J-CO-SET	Drill America Cobalt Jobbers	\$838.36
DWD115J-CO-SET	Qualtech Cobalt Jobbers	\$601.84
118° HSS TIN Coated Jobbers		
DWD115J-TN-SET	Qualtech HSS TIN Coated Jobbers	\$420.42
135° Heavy Duty HSS Black and Gold Jobbers Length		
KFD115J-SET	KFD HSS Black and Gold Jobbers	\$471.60
Miscellaneous		
DWD115J-DB-SET	Qualtech Drill Blanks	\$621.88



DRILL SETS

METRIC JOBBERS

Part Number	Description	List Price
DWD4011-SET	Qualtech HSS Surface Treated Jobbers 1 - 6 mm x 0.5 mm 11 Piece	\$24.21
DWD4013-SET	Qualtech HSS Surface Treated Jobbers 1 - 7 mm x 0.5 mm 13 Piece	\$29.60
DWD4019-SET	Qualtech HSS Surface Treated Jobbers 1 - 10 mm x 0.5 mm 19 Piece	\$63.84
D/A4025-SET	Drill America HSS Surface Treated Jobbers 1 - 13 mm x 0.5 mm 25 Piece	\$235.51
DWD4025-SET	Qualtech HSS Surface Treated Jobbers 1 - 13 mm x 0.5 mm 25 Piece	\$95.37
DWD4025-PC	Qualtech HSS Surface Treated Jobbers 1 - 13 mm x 0.5 mm 25 Piece Plastic Case	\$115.32
D/A4025-CO-SET	Drill America Cobalt Jobbers 1 - 13 mm x 0.5 mm 25 Piece	\$360.89
D/A4025-CO-PC	Drill America Cobalt Jobbers 1 - 13 mm x 0.5 mm 25 Piece Plastic Case	\$360.89
KFD4025-SET	KFD HSS Black and Gold Jobbers 1 - 13 mm x 0.5 mm 25 Piece	\$182.92
KFD4025-PC	KFD HSS Black and Gold Jobbers 1 - 13 mm x 0.5 mm 25 Piece Plastic Case	\$183.45

S&D SETS

5 PIECE SET W / 1 / 2 " SHANK
CONTAINS SIZES 9 / 16 " , 5 / 8 " , 3 / 4 " , 7 / 8 " , 1 "

Part Number	Description	List Price
D/ASWD	Drill America HSS S&D Drills in Metal Case	\$235.35
DWDSWD	Qualtech HSS S&D Drills in Metal Case	\$125.22

8 PIECE SET W / 1 / 2 " SHANK
9 / 16 " - 1 " X 16 T H S

Part Number	Description	List Price
D/A1008-SET	Drill America HSS S&D Drills in Metal Case	\$350.09
DWD1008-SET	Qualtech HSS S&D Drills in Metal Case	\$183.60
D/A1008-CO-SET	Drill America Cobalt S&D Drills in Metal Case	\$573.12
DWD1008-CO-SET	Qualtech Cobalt S&D Drills in Metal Case	\$394.25
KFD1008-SET	KFD HSS Black and Gold S&D Drills in Metal Case	\$344.60

33 PIECE SET W / 1 / 2 " SHANK
1 / 2 " - 1 " X 64 T H S

Part Number	Description	List Price
D/A833SD-SET	Drill America HSS S&D Drills in Metal Stand	\$1,251.62
DWD833SD-SET	Qualtech HSS S&D Drills in Metal Stand	\$605.79
DWD833SD-WOOD	Qualtech HSS S&D Drills in Wood Case	\$530.00
D/A833SD-CO-SET	Drill America Cobalt S&D Drills in Metal Stand	\$2,397.40
DWD833SD-CO-WOOD	Qualtech Cobalt S&D Drills in Wood Case	\$1,484.00
DWD833SD-CO-SET	Qualtech Cobalt S&D Drills in Metal Stand	\$1,749.00
KFD833SD-SET	KFD HSS Black and Gold S&D Drills in Metal Stand	\$1,000.00
KFD833SD-WOOD	KFD HSS Black and Gold S&D Drills in Wood Case	\$875.00

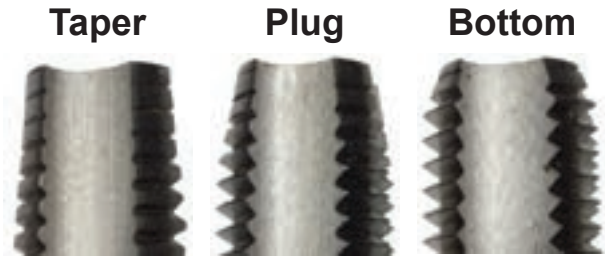
DRILL AND TAP SETS

Part Number	Description	List Price
DWDTD99	18 PIECE TAP AND DRILL BIT SET #6 - 1/2 National Coarse	\$139.98
DWDTD99-NF	18 PIECE TAP AND DRILL BIT SET #6 - 1/2 National Fine	\$139.98
DWDTD4099	18 PIECE TAP AND DRILL BIT SET M2 - M12 National Coarse	\$139.98

HSS HAND TAPS

T/A Series - High Speed Hand Taps

Hand Taps are the most versatile taps for hand use. They are also appropriate for tapping the vast majority of materials in through or blind holed conditions. **Taper Style** - Starts the thread square with the workpiece. **Plug Style** - Generally used in thru holes. **Bottom style** - Generates the thread to the bottom of the hole.



7-10 Thread

3-5 Thread

1-2 Thread

T/A Series

MACHINE AND FRACTIONAL SIZES

Size	Limit	No. of Flutes	Taper	Plug	Bottom	List Price	Set	List Price
0-80	H1	2	T/A54025	T/A54026	T/A54027	\$17.76	T/A54028	\$53.29
1-64	H1	2	T/A54055	T/A54056	T/A54057	\$16.97	T/A54058	\$50.91
1-72	H1	2	T/A54060	T/A54061	T/A54062	\$16.97	T/A54063	\$50.91
2-56	H2	3	T/A54089	T/A54090	T/A54091	\$14.59	T/A54092	\$43.82
2-64	H2	3	T/A54093	T/A54094	T/A54095	\$15.76	T/A54096	\$47.32
3-48	H2	3	T/A54115	T/A54116	T/A54117	\$11.24	T/A54118	\$33.71
3-56	H2	3	T/A54120	T/A54121	T/A54122	\$12.01	T/A54123	\$36.06
4-36	H2	3	T/A54139	T/A54140	T/A54141	\$10.23	T/A54137	\$30.70
4-40	H2	3	T/A54149	T/A54150	T/A54151	\$9.53	T/A54152	\$28.58
4-48	H2	3	T/A54153	T/A54154	T/A54155	\$10.23	T/A54156	\$30.70
5-40	H2	3	T/A54188	T/A54189	T/A54190	\$8.98	T/A54191	\$26.91
5-44	H2	3	T/A54192	T/A54193	T/A54194	\$8.98	T/A54195	\$26.91
6-32	H3	3	T/A54223	T/A54224	T/A54225	\$7.21	T/A54226	\$21.62
6-40	H2	3	T/A54232	T/A54233	T/A54234	\$7.71	T/A54235	\$23.12
8-32	H3	4	T/A54277	T/A54278	T/A54279	\$8.04	T/A54280	\$24.12
8-36	H2	4	T/A54289	T/A54290	T/A54291	\$8.31	T/A54292	\$24.93
10-24	H3	4	T/A54329	T/A54330	T/A54331	\$8.31	T/A54332	\$24.93
10-32	H3	4	T/A54356	T/A54357	T/A54358	\$8.31	T/A54359	\$24.93
12-24	H3	4	T/A54385	T/A54386	T/A54387	\$8.81	T/A54388	\$26.43
12-28	H3	4	T/A54389	T/A54390	T/A54391	\$8.81	T/A54392	\$26.43
1/4"-20	H3	4	T/A54453	T/A54454	T/A54455	\$7.51	T/A54460	\$22.53
1/4"-28	H3	4	T/A54469	T/A54470	T/A54471	\$7.51	T/A54476	\$22.53
5/16"-18	H3	4	T/A54504	T/A54505	T/A54506	\$9.31	T/A54511	\$27.93
5/16"-24	H3	4	T/A54518	T/A54519	T/A54520	\$9.31	T/A54523	\$27.93
3/8"-16	H3	4	T/A54582	T/A54583	T/A54584	\$10.18	T/A54587	\$30.54
3/8"-24	H3	4	T/A54595	T/A54596	T/A54597	\$10.18	T/A54600	\$30.54
7/16"-14	H3	4	T/A54652	T/A54653	T/A54654	\$17.93	T/A54656	\$53.78
7/16"-20	H3	4	T/A54661	T/A54662	T/A54663	\$17.93	T/A54665	\$53.78
1/2"-13	H3	4	T/A54726	T/A54727	T/A54728	\$18.71	T/A54731	\$56.13
1/2"-20	H3	4	T/A54737	T/A54738	T/A54739	\$19.75	T/A54741	\$59.27
9/16"-12	H3	4	T/A54759	T/A54760	T/A54761	\$31.75	T/A54762	\$95.24
9/16"-18	H3	4	T/A54765	T/A54766	T/A54767	\$31.75	T/A54768	\$95.24
5/8"-11	H3	4	T/A54779	T/A54780	T/A54781	\$37.96	T/A54782	\$113.86
5/8"-18	H3	4	T/A54787	T/A54788	T/A54789	\$37.96	T/A54790	\$113.86
11/16"-11	H3	4	T/A54813	T/A54814	T/A54815	\$47.10	T/A54816	\$141.32
11/16"-16	H3	4	T/A54817	T/A54818	T/A54819	\$47.10	T/A54820	\$141.32
3/4"-10	H3	4	T/A54838	T/A54839	T/A54840	\$52.86	T/A54841	\$158.59
3/4"-16	H3	4	T/A54846	T/A54847	T/A54848	\$52.86	T/A54849	\$158.59
7/8"-9	H4	4	T/A54884	T/A54885	T/A54886	\$75.44	T/A54887	\$226.29
7/8"-14	H4	4	T/A54890	T/A54891	T/A54892	\$75.44	T/A54893	\$226.29
1"-8	H4	4	T/A54923	T/A54924	T/A54925	\$100.43	T/A54926	\$301.31
1"-12	H4	4	T/A54928	T/A54929	T/A54930	\$103.59	T/A54931	\$310.76
1"-14	H4	4	T/A54933	T/A54934	T/A54935	\$100.43	T/A54936	\$301.31
1-1/8"-7	H4	4	T/A54965	T/A54966	T/A54967	\$155.04	T/A54944	\$465.13
1-1/8"-12	H4	4	T/A54971	T/A54972	T/A54973	\$155.04	T/A54937	\$465.13
1-1/4"-7	H4	4	T/A54994	T/A54995	T/A54996	\$200.12	T/A54938	\$600.35
1-1/4"-12	H4	6	T/A55000	T/A55001	T/A55002	\$200.12	T/A54939	\$600.35
1-3/8"-6	H4	4	T/A55027	T/A55028	T/A55029	\$251.61	T/A54940	\$754.82
1-3/8"-12	H4	6	T/A55030	T/A55031	T/A55032	\$251.61	T/A54941	\$754.82
1-1/2"-6	H4	4	T/A55057	T/A55058	T/A55059	\$298.66	T/A54942	\$895.99
1-1/2"-12	H4	6	T/A55063	T/A55064	T/A55065	\$298.66	T/A54943	\$895.99

HSS HAND TAPS

DWT Series - High Speed Hand Taps



Taper



7-10 Thread

Plug



3-5 Thread

Bottom



1-2 Thread

DWT Series

Size	No. of Flutes	Taper	Plug	Bottom	List Price	Set	List Price
0-80	2	DWT54025	DWT54026	DWT54027	\$12.02	DWT54028	\$36.06
1-64	2	DWT54055	DWT54056	DWT54057	\$11.17	DWT54058	\$33.41
1-72	2	DWT54060	DWT54061	DWT54062	\$11.17	DWT54063	\$33.41
2-56	3	DWT54089	DWT54090	DWT54091	\$9.57	DWT54092	\$28.72
2-64	3	DWT54093	DWT54094	DWT54095	\$10.36	DWT54096	\$31.04
3-48	3	DWT54115	DWT54116	DWT54117	\$7.30	DWT54118	\$21.91
3-56	3	DWT54120	DWT54121	DWT54122	\$7.74	DWT54123	\$23.19
4-36	3	DWT54139	DWT54140	DWT54141	\$6.09	DWT54137	\$18.29
4-40	3	DWT54149	DWT54150	DWT54151	\$6.04	DWT54152	\$18.11
4-48	3	DWT54153	DWT54154	DWT54155	\$6.09	DWT54156	\$18.29
5-40	3	DWT54188	DWT54189	DWT54190	\$6.09	DWT54191	\$18.29
5-44	3	DWT54192	DWT54193	DWT54194	\$6.09	DWT54195	\$18.29
6-32	3	DWT54223	DWT54224	DWT54225	\$4.61	DWT54226	\$13.79
6-40	3	DWT54232	DWT54233	DWT54234	\$4.88	DWT54235	\$14.66
8-32	4	DWT54277	DWT54278	DWT54279	\$4.76	DWT54280	\$14.29
8-36	4	DWT54289	DWT54290	DWT54291	\$4.88	DWT54292	\$14.66
10-24	4	DWT54329	DWT54330	DWT54331	\$4.88	DWT54332	\$14.66
10-32	4	DWT54356	DWT54357	DWT54358	\$4.88	DWT54359	\$14.66
12-24	4	DWT54385	DWT54386	DWT54387	\$5.20	DWT54388	\$15.57
12-28	4	DWT54389	DWT54390	DWT54391	\$5.37	DWT54392	\$16.14
14-20	4	DWT54393	DWT54394	DWT54395	\$10.82	DWT54396	\$32.49
14-24	4	DWT54397	DWT54398	DWT54399	\$10.82	DWT54400	\$32.49
1/4"-20	4	DWT54453	DWT54454	DWT54455	\$5.15	DWT54460	\$15.43
1/4"-28	4	DWT54469	DWT54470	DWT54471	\$5.15	DWT54476	\$15.43
5/16"-18	4	DWT54504	DWT54505	DWT54506	\$6.50	DWT54511	\$19.50
5/16"-24	4	DWT54518	DWT54519	DWT54520	\$6.50	DWT54523	\$19.50
3/8"-16	4	DWT54582	DWT54583	DWT54584	\$7.38	DWT54587	\$22.07
3/8"-24	4	DWT54595	DWT54596	DWT54597	\$7.38	DWT54600	\$22.07
7/16"-14	4	DWT54652	DWT54653	DWT54654	\$12.13	DWT54656	\$36.41
7/16"-20	4	DWT54661	DWT54662	DWT54663	\$12.13	DWT54665	\$36.41
1/2"-13	4	DWT54726	DWT54727	DWT54728	\$13.33	DWT54731	\$39.91
1/2"-20	4	DWT54737	DWT54738	DWT54739	\$13.33	DWT54741	\$39.91
9/16"-12	4	DWT54759	DWT54760	DWT54761	\$21.22	DWT54762	\$63.67
9/16"-18	4	DWT54765	DWT54766	DWT54767	\$21.22	DWT54768	\$63.67
5/8"-11	4	DWT54779	DWT54780	DWT54781	\$26.02	DWT54782	\$78.08
5/8"-18	4	DWT54787	DWT54788	DWT54789	\$26.02	DWT54790	\$78.08
11/16"-11	4	DWT54813	DWT54814	DWT54815	\$31.49	DWT54816	\$94.49
11/16"-16	4	DWT54817	DWT54818	DWT54819	\$31.49	DWT54820	\$94.49
3/4"-10	4	DWT54838	DWT54839	DWT54840	\$35.20	DWT54841	\$105.61
3/4"-16	4	DWT54846	DWT54847	DWT54848	\$35.20	DWT54849	\$105.61
7/8"-9	4	DWT54884	DWT54885	DWT54886	\$49.19	DWT54887	\$147.61
7/8"-14	4	DWT54890	DWT54891	DWT54892	\$49.19	DWT54893	\$147.61
1"-8	4	DWT54923	DWT54924	DWT54925	\$66.07	DWT54926	\$198.23
1"-12	4	DWT54928	DWT54929	DWT54930	\$67.20	DWT54931	\$201.56
1"-14	4	DWT54933	DWT54934	DWT54935	\$67.20	DWT54936	\$201.56
1-1/8"-7	4	DWT54965	DWT54966	DWT54967	\$104.49	DWT54944	\$313.44
1-1/8"-12	4	DWT54971	DWT54972	DWT54973	\$106.12	DWT54937	\$318.37
1-1/4"-7	4	DWT54994	DWT54995	DWT54996	\$125.11	DWT54938	\$375.31
1-1/4"-12	6	DWT55000	DWT55001	DWT55002	\$125.11	DWT54939	\$375.31
1-3/8"-6	4	DWT55027	DWT55028	DWT55029	\$162.36	DWT54940	\$487.07
1-3/8"-12	6	DWT55030	DWT55031	DWT55032	\$163.27	DWT54941	\$489.90
1-1/2"-6	4	DWT55057	DWT55058	DWT55059	\$186.65	DWT54942	\$560.46
1-1/2"-12	6	DWT55063	DWT55064	DWT55065	\$190.12	DWT54943	\$570.37

HSS HAND TAPS

DWT Series - High Speed Plug Taps (Additional Sizes/Taper & Bottoming Available - POA)

DWT Series

SPECIAL SIZES



Size	Part Number	List Price
4-32	DWTST4-32P	\$22.04
5-36	DWTST5-36P	\$22.04
6-36	DWTST6-36P	\$20.94
6-48	DWTST6-48P	\$20.94
8-30	DWTST8-30P	\$21.13
8-40	DWTST8-40P	\$21.13
8-48	DWTST8-48P	\$21.13
10-28	DWTST10-28P	\$21.13
10-36	DWTST10-36P	\$21.13
10-40	DWTST10-40P	\$21.13
12-32	DWTST12-32P	\$22.29
12-40	DWTST12-40P	\$22.29
5/32"-32	DWTST5/32-32P	\$22.90
3/16"-24	DWTST3/16-24P	\$22.90
3/16"-32	DWTST3/16-32P	\$22.90
7/32"-32	DWTST7/32-32P	\$22.90
1/4"-24	DWTST1/4-24P	\$22.90
1/4"-27	DWTST1/4-27P	\$22.90
1/4"-32	DWTST1/4-32P	\$22.90
1/4"-36	DWTST1/4-36P	\$22.90
1/4"-40	DWTST1/4-40P	\$22.90
1/4"-48	DWTST1/4-48P	\$22.90
9/32"-32	DWTST9/32-32P	\$23.44
9/32"-40	DWTST9/32-40P	\$23.44
5/16"-16	DWTST5/16-16P	\$23.44
5/16"-20	DWTST5/16-20P	\$23.44
5/16"-27	DWTST5/16-27P	\$23.44
5/16"-28	DWTST5/16-28P	\$23.44
5/16"-30	DWTST5/16-30P	\$23.44
5/16"-32	DWTST5/16-32P	\$23.44
5/16"-36	DWTST5/16-36P	\$23.44
5/16"-40	DWTST5/16-40P	\$23.44
5/16"-48	DWTST5/16-48P	\$23.44
11/32"-32	DWTST11/32-32P	\$25.54
3/8"-20	DWTST3/8-20P	\$25.54
3/8"-27	DWTST3/8-27P	\$25.54
3/8"-28	DWTST3/8-28P	\$25.54
3/8"-30	DWTST3/8-30P	\$25.54
3/8"-32	DWTST3/8-32P	\$25.54
3/8"-36	DWTST3/8-36P	\$25.54
3/8"-40	DWTST3/8-40P	\$25.54
3/8"-48	DWTST3/8-48P	\$25.54
7/16"-16	DWTST7/16-16P	\$27.54
7/16"-18	DWTST7/16-18P	\$27.54
7/16"-24	DWTST7/16-24P	\$27.54
7/16"-27	DWTST7/16-27P	\$27.54
7/16"-28	DWTST7/16-28P	\$27.54

Size	Part Number	List Price
7/16"-32	DWTST7/16-32P	\$27.54
7/16"-40	DWTST7/16-40P	\$27.54
15/32"-32	DWTST15/32-32P	\$29.86
1/2"-12	DWTST1/2-12P	\$29.86
1/2"-14	DWTST1/2-14P	\$29.86
1/2"-16	DWTST1/2-16P	\$29.86
1/2"-18	DWTST1/2-18P	\$29.86
1/2"-24	DWTST1/2-24P	\$29.86
1/2"-27	DWTST1/2-27P	\$29.86
1/2"-28	DWTST1/2-28P	\$29.86
1/2"-32	DWTST1/2-32P	\$29.86
1/2"-36	DWTST1/2-36P	\$29.86
9/16"-16	DWTST9/16-16P	\$31.43
9/16"-20	DWTST9/16-20P	\$31.43
9/16"-24	DWTST9/16-24P	\$31.43
9/16"-27	DWTST9/16-27P	\$31.43
9/16"-28	DWTST9/16-28P	\$31.43
9/16"-32	DWTST9/16-32P	\$31.43
9/16"-40	DWTST9/16-40P	\$31.43
37/64"-28	DWTST37/64-28P	\$54.58
5/8"-12	DWTST5/8-12P	\$34.66
5/8"-16	DWTST5/8-16P	\$34.66
5/8"-20	DWTST5/8-20P	\$34.66
5/8"-24	DWTST5/8-24P	\$34.66
5/8"-27	DWTST5/8-27P	\$34.66
5/8"-28	DWTST5/8-28P	\$34.66
5/8"-32	DWTST5/8-32P	\$34.66
11/16"-18	DWTST11/16-18P	\$41.84
11/16"-20	DWTST11/16-20P	\$41.84
11/16"-24	DWTST11/16-24P	\$41.84
3/4"-12	DWTST3/4-12P	\$45.91
3/4"-20	DWTST3/4-20P	\$45.91
3/4"-24	DWTST3/4-24P	\$45.91
3/4"-28	DWTST3/4-28P	\$45.91
3/4"-32	DWTST3/4-32P	\$45.91
13/16"-16	DWTST13/16-16P	\$50.33
13/16"-18	DWTST13/16-18P	\$50.33
13/16"-20	DWTST13/16-20P	\$50.33
13/16"-32	DWTST13/16-32P	\$50.33
7/8"-12	DWTST7/8-12P	\$57.85
7/8"-16	DWTST7/8-16P	\$57.85
7/8"-18	DWTST7/8-18P	\$57.85
7/8"-20	DWTST7/8-20P	\$57.85
7/8"-24	DWTST7/8-24P	\$57.85
7/8"-27	DWTST7/8-27P	\$57.85
7/8"-28	DWTST7/8-28P	\$57.85
7/8"-32	DWTST7/8-32P	\$57.85

Size	Part Number	List Price
15/16"-16	DWTST15/16-16P	\$60.40
15/16"-20	DWTST15/16-20P	\$60.40
1"-16	DWTST1-16P	\$76.47
1"-18	DWTST1-18P	\$76.47
1"-20	DWTST1-20P	\$76.47
1"-24	DWTST1-24P	\$76.47
1"-28	DWTST1-28P	\$76.47
1"-32	DWTST1-32P	\$76.47
1-1/16"-16	DWTST1-1/16-16P	\$120.20
1-1/16"-18	DWTST1-1/16-18P	\$120.20
1-1/8"-16	DWTST1-1/8-16P	\$136.45
1-1/8"-18	DWTST1-1/8-18P	\$136.45
1-1/8"-20	DWTST1-1/8-20P	\$136.45
1-3/16"-12	DWTST1-3/16-12P	\$155.64
1-3/16"-16	DWTST1-3/16-16P	\$155.64
1-3/16"-24	DWTST1-3/16-24P	\$155.64
1-1/4"-18	DWTST1-1/4-18P	\$155.64
1-1/4"-24	DWTST1-1/4-24P	\$155.64
1-1/4"-27	DWTST1-1/4-27P	\$155.64
1-1/4"-32	DWTST1-1/4-32P	\$155.64
1-5/16"-12	DWTST1-5/16-12P	\$194.56
1-3/8"-14	DWTST1-3/8-14P	\$194.56
1-3/8"-16	DWTST1-3/8-16P	\$194.56
1-3/8"-18	DWTST1-3/8-18P	\$194.56
1-1/2"-16	DWTST1-1/2-16P	\$238.48
1-1/2"-18	DWTST1-1/2-18P	\$238.48
1-5/8"-10	DWTST1-5/8-10P	\$273.64
1-5/8"-12	DWTST1-5/8-12P	\$273.64
1-3/4"-5	DWTST1-3/4-5P	\$290.52
1-3/4"-12	DWTST1-3/4-12P	\$290.52
1-3/4"-16	DWTST1-3/4-16P	\$290.52
1-3/4"-18	DWTST1-3/4-18P	\$290.52
1-3/4"-20	DWTST1-3/4-20P	\$290.52
2"-4 -1/2	DWTST2-4-1/2P	\$431.25
2"-12	DWTST2-12P	\$431.25
2-1/8"-12	DWTST2-1/8-12P	\$495.90
2-1/8"-16	DWTST2-1/8-16P	\$495.90
2-1/4"-12	DWTST2-1/4-12P	\$534.15
2-1/4"-16	DWTST2-1/4-16P	\$534.15
2-1/4"-18	DWTST2-1/4-18P	\$534.15
2-3/8"-12	DWTST2-3/8-12P	\$572.53
2-3/8"-16	DWTST2-3/8-16P	\$572.53
2-1/2"-4	DWTST2-1/2-4P	\$733.23
2-1/2"-12	DWTST2-1/2-12P	\$733.23
2-3/4"-12	DWTST2-3/4-12P	\$892.10
2-7/8"-12	DWTST2-7/8-12P	\$1,014.13
3"-12	DWTST3-12P	\$1,123.07

8 PITCH SIZES

Size	Part Number	List Price
1-1/16"-8	DWTST1-1/16-8P	\$100.38
1-1/8"-8	DWTST1-1/8-8P	\$98.60
1-3/16"-8	DWTST1-3/16-8P	\$132.79
1-1/4"-8	DWTST1-1/4-8P	\$125.65
1-5/16"-8	DWTST1-5/16-8P	\$158.32
1-3/8"-8	DWTST1-3/8-8P	\$158.32
1-7/16"-8	DWTST1-7/16-8P	\$190.85
1-1/2"-8	DWTST1-1/2-8P	\$198.85
1-5/8"-8	DWTST1-5/8-8P	\$224.72
1-3/4"-8	DWTST1-3/4-8P	\$243.58

Size	Part Number	List Price
1-7/8"-8	DWTST1-7/8-8P	\$271.97
2"-8	DWTST2-8P	\$319.59
2-1/8"-8	DWTST2-1/8-8P	\$435.23
2-1/4"-8	DWTST2-1/4-8P	\$475.50
2-3/8"-8	DWTST2-3/8-8P	\$482.07
2-1/2"-8	DWTST2-1/2-8P	\$619.35
2-5/8"-8	DWTST2-5/8-8P	\$724.21
2-3/4"-8	DWTST2-3/4-8P	\$786.42
2-7/8"-8	DWTST2-7/8-8P	\$886.35
3"-8	DWTST3-8P	\$962.07

Size	Part Number	List Price
3-1/8"-8	DWTST3-1/8-8P	\$1,118.75
3-1/4"-8	DWTST3-1/4-8P	\$1,192.68
3-3/8"-8	DWTST3-3/8-8P	\$1,322.09
3-1/2"-8	DWTST3-1/2-8P	\$1,370.75
3-5/8"-8	DWTST3-5/8-8P	\$1,578.80
3-3/4"-8	DWTST3-3/4-8P	\$1,626.04
3-7/8"-8	DWTST3-7/8-8P	\$1,770.44
4"-8	DWTST4-8P	\$1,963.98

HSS METRIC HAND TAPS

DWT Series - High Speed Metric Hand Taps



DWT Series

Size	No. of Flutes	Taper	Plug	Bottom	List Price	Set	List Price
1.6x0.35	2	DWTT1.6X.35	DWTP1.6X.35	DWTB1.6X.35	\$16.07	DWTS1.6X.35	\$48.21
1.8x0.35	2	DWTT1.8X.35	DWTP1.8X.35	DWTB1.8X.35	\$16.07	DWTS1.8X.35	\$48.21
2x0.4	3	DWTT2X.4	DWTP2X.4	DWTB2X.4	\$16.07	DWTS2X.4	\$48.21
2.2x0.45	3	DWTT2.2X.45	DWTP2.2X.45	DWTB2.2X.45	\$9.90	DWTS2.2X.45	\$29.73
2.5x0.45	3	DWTT2.5X.45	DWTP2.5X.45	DWTB2.5X.45	\$9.90	DWTS2.5X.45	\$29.73
3x0.5	3	DWTT3X.5	DWTP3X.5	DWTB3X.5	\$8.28	DWTS3X.5	\$24.84
3.5x0.6	3	DWTT3.5X.6	DWTP3.5X.6	DWTB3.5X.6	\$6.78	DWTS3.5X.6	\$20.37
4x0.7	4	DWTT4X.7	DWTP4X.7	DWTB4X.7	\$6.78	DWTS4X.7	\$20.37
4.5x0.75	4	DWTT4.5X.75	DWTP4.5X.75	DWTB4.5X.75	\$6.78	DWTS4.5X.75	\$20.37
5x0.8	4	DWTT5X.8	DWTP5X.8	DWTB5X.8	\$6.78	DWTS5X.8	\$20.37
6x1	4	DWTT6X1	DWTP6X1	DWTB6X1	\$7.21	DWTS6X1	\$21.65
7x1	4	DWTT7X1	DWTP7X1	DWTB7X1	\$7.82	DWTS7X1	\$23.48
8x1	4	DWTT8X1	DWTP8X1	DWTB8X1	\$7.82	DWTS8X1	\$23.48
8x1.25	4	DWTT8X1.25	DWTP8X1.25	DWTB8X1.25	\$7.82	DWTS8X1.25	\$23.48
10x1.25	4	DWTT10X1.25	DWTP10X1.25	DWTB10X1.25	\$14.76	DWTS10X1.25	\$44.31
10x1.5	4	DWTT10X1.5	DWTP10X1.5	DWTB10X1.5	\$14.76	DWTS10X1.5	\$44.31
12x1.25	4	DWTT12X1.25	DWTP12X1.25	DWTB12X1.25	\$17.39	DWTS12X1.25	\$52.18
12x1.75	4	DWTT12X1.75	DWTP12X1.75	DWTB12X1.75	\$17.39	DWTS12X1.75	\$52.18
14x1.25	4	DWTT14X1.25	DWTP14X1.25	DWTB14X1.25	\$25.91	DWTS14X1.25	\$77.70
14x1.5	4	DWTT14X1.5	DWTP14X1.5	DWTB14X1.5	\$25.91	DWTS14X1.5	\$77.70
14x2	4	DWTT14X2	DWTP14X2	DWTB14X2	\$25.91	DWTS14X2	\$77.70
16x1.5	4	DWTT16X1.5	DWTP16X1.5	DWTB16X1.5	\$31.75	DWTS16X1.5	\$95.25
16x2	4	DWTT16X2	DWTP16X2	DWTB16X2	\$31.75	DWTS16X2	\$95.25
18x1.5	4	DWTT18X1.5	DWTP18X1.5	DWTB18X1.5	\$42.65	DWTS18X1.5	\$127.94
18x2.5	4	DWTT18X2.5	DWTP18X2.5	DWTB18X2.5	\$42.65	DWTS18X2.5	\$127.94
20x1.5	4	DWTT20X1.5	DWTP20X1.5	DWTB20X1.5	\$57.91	DWTS20X1.5	\$173.71
20x2.5	4	DWTT20X2.5	DWTP20X2.5	DWTB20X2.5	\$57.91	DWTS20X2.5	\$173.71
22x1.5	4	DWTT22X1.5	DWTP22X1.5	DWTB22X1.5	\$59.38	DWTS22X1.5	\$178.16
22x2.5	4	DWTT22X2.5	DWTP22X2.5	DWTB22X2.5	\$59.38	DWTS22X2.5	\$178.16
24x2	4	DWTT24X2	DWTP24X2	DWTB24X2	\$80.60	DWTS24X2	\$241.84
24x3	4	DWTT24X3	DWTP24X3	DWTB24X3	\$80.60	DWTS24X3	\$241.84
27x2	4	DWTT27X2	DWTP27X2	DWTB27X2	\$128.11	DWTS27X2	\$384.33
27x3	4	DWTT27X3	DWTP27X3	DWTB27X3	\$128.11	DWTS27X3	\$384.33
30x2	4	DWTT30X2	DWTP30X2	DWTB30X2	\$143.08	DWTS30X2	\$429.22
30x3.5	4	DWTT30X3.5	DWTP30X3.5	DWTB30X3.5	\$139.99	DWTS30X3.5	\$419.97
33x2	4	DWTT33X2	DWTP33X2	DWTB33X2	\$181.94	DWTS33X2	\$545.84
33x3.5	4	DWTT33X3.5	DWTP33X3.5	DWTB33X3.5	\$181.94	DWTS33X3.5	\$545.84
36x3	4	DWTT36X3	DWTP36X3	DWTB36X3	\$224.48	DWTS36X3	\$673.42
36x4	4	DWTT36X4	DWTP36X4	DWTB36X4	\$224.48	DWTS36X4	\$673.42
39x3	6	DWTT39X3	DWTP39X3	DWTB39X3	\$244.52	DWTS39X3	\$733.54
39x4	6	DWTT39X4	DWTP39X4	DWTB39X4	\$244.52	DWTS39X4	\$733.54

T/A Series

T/A Series - High Speed Metric Hand Taps

Size	No. of Flutes	Taper	Plug	Bottom	List Price	Set	List Price
3x.5	3	T/AT3X.5	T/AP3X.5	T/AB3X.5	\$15.44	T/AS3X.5	\$46.28
4x.7	4	T/AT4X.7	T/AP4X.7	T/AB4X.7	\$12.74	T/AS4X.7	\$38.21
5x.8	4	T/AT5X.8	T/AP5X.8	T/AB5X.8	\$12.74	T/AS5X.8	\$38.21
6x1	4	T/AT6X1	T/AP6X1	T/AB6X1	\$13.46	T/AS6X1	\$40.39
7x1	4	T/AT7X1	T/AP7X1	T/AB7X1	\$14.66	T/AS7X1	\$43.99
8x1.25	4	T/AT8X1.25	T/AP8X1.25	T/AB8X1.25	\$14.66	T/AS8X1.25	\$43.99
10x1.5	4	T/AT10X1.5	T/AP10X1.5	T/AB10X1.5	\$27.63	T/AS10X1.5	\$82.89
12x1.75	4	T/AT12X1.75	T/AP12X1.75	T/AB12X1.75	\$32.40	T/AS12X1.75	\$97.21
14x2	4	T/AT14X2	T/AP14X2	T/AB14X2	\$48.45	T/AS14X2	\$145.34
16x2	4	T/AT16X2	T/AP16X2	T/AB16X2	\$59.02	T/AS16X2	\$177.07
18x2.5	4	T/AT18X2.5	T/AP18X2.5	T/AB18X2.5	\$79.46	T/AS18X2.5	\$238.40
20x2.5	4	T/AT20X2.5	T/AP20X2.5	T/AB20X2.5	\$102.81	T/AS20X2.5	\$308.43
24x3	4	T/AT24X3	T/AP24X3	T/AB24X3	\$150.44	T/AS24X3	\$451.31

HSS METRIC HAND TAPS

DWT Series - High Speed Metric Taps (Additional Sizes Available - POA)

DWT Series			SPECIAL METRIC SIZES					
Size	Part Number	List Price	Size	Part Number	List Price	Size	Part Number	List Price
1x.20	DWTSMT1X.2	\$45.48	12x.50	DWTSMT12X.5	\$37.24	22x1	DWTSMT22X1	\$98.73
1x.25	DWTSMT1X.25	\$45.48	12x.75	DWTSMT12X.75	\$37.24	22x1.25	DWTSMT22X1.25	\$98.73
1.2x.20	DWTSMT1.2X.2	\$45.48	12x1	DWTSMT12X1	\$37.24	22x1.75	DWTSMT22X1.75	\$98.73
1.2x.25	DWTSMT1.2X.25	\$45.48	12x1.50	DWTSMT12X1.5	\$21.80	22x2	DWTSMT22X2	\$98.73
1.4x.20	DWTSMT1.4X.2	\$45.48	12x2	DWTSMT12X2	\$37.24	23x1	DWTSMT23X1	\$103.54
1.4x.30	DWTSMT1.4X.3	\$45.48	13x.50	DWTSMT13X.5	\$41.39	23x1.50	DWTSMT23X1.5	\$103.54
1.5x.35	DWTSMT1.5X.35	\$25.29	13x1	DWTSMT13X1	\$41.39	23x2	DWTSMT23X2	\$103.54
1.6x.20	DWTSMT1.6X.2	\$45.48	13x1.25	DWTSMT13X1.25	\$41.39	23x2.50	DWTSMT23X2.5	\$103.54
1.7x.20	DWTSMT1.7X.2	\$41.39	13x1.50	DWTSMT13X1.5	\$41.39	24x1	DWTSMT24X1	\$105.94
1.7x.35	DWTSMT1.7X.35	\$41.39	13x2	DWTSMT13X2	\$41.39	24x1.25	DWTSMT24X1.25	\$105.94
1.8x.20	DWTSMT1.8X.2	\$34.27	14x.50	DWTSMT14X.5	\$45.52	24x1.50	DWTSMT24X1.5	\$89.92
2x.20	DWTSMT2X.2	\$34.27	14x.75	DWTSMT14X.75	\$45.52	24x2.50	DWTSMT24X2.5	\$105.94
2x.25	DWTSMT2X.25	\$34.27	14x1	DWTSMT14X1	\$45.52	25x1	DWTSMT25X1	\$115.55
2x.45	DWTSMT2X.45	\$17.83	14x1.75	DWTSMT14X1.75	\$45.52	25x1.25	DWTSMT25X1.25	\$115.55
2.3x.40	DWTSMT2.3X.4	\$11.97	15x.50	DWTSMT15X.5	\$49.66	25x1.50	DWTSMT25X1.5	\$115.55
2.5x.50	DWTSMT2.5X.5	\$30.15	15x1	DWTSMT15X1	\$49.66	25x3	DWTSMT25X3	\$115.55
2.6x.35	DWTSMT2.6X.35	\$30.15	15x1.25	DWTSMT15X1.25	\$49.66	26x1.50	DWTSMT26X1.5	\$179.71
2.6x.45	DWTSMT2.6X.45	\$11.97	15x1.50	DWTSMT15X1.5	\$49.66	26x2	DWTSMT26X2	\$179.71
3x.35	DWTSMT3X.35	\$30.15	15x2	DWTSMT15X2	\$49.66	26x2.50	DWTSMT26X2.5	\$179.71
3x.60	DWTSMT3X.6	\$9.25	16x.50	DWTSMT16X.5	\$57.23	26x3	DWTSMT26X3	\$179.71
3.5x.50	DWTSMT3.5X.5	\$30.15	16x.75	DWTSMT16X.75	\$57.23	27x1	DWTSMT27X1	\$189.26
4x.50	DWTSMT4X.5	\$8.86	16x1	DWTSMT16X1	\$57.23	27x1.25	DWTSMT27X1.25	\$189.26
4x.75	DWTSMT4X.75	\$28.95	16x1.25	DWTSMT16X1.25	\$57.23	27x1.50	DWTSMT27X1.5	\$189.26
4.5x.50	DWTSMT4.5X.5	\$28.95	16x1.75	DWTSMT16X1.75	\$57.23	27x2.50	DWTSMT27X2.5	\$189.26
5x.50	DWTSMT5X.5	\$28.95	16x2.50	DWTSMT16X2.5	\$57.23	28x1	DWTSMT28X1	\$233.35
5x.70	DWTSMT5X.7	\$28.95	17x.50	DWTSMT17X.5	\$58.99	28x1.50	DWTSMT28X1.5	\$233.35
5x.75	DWTSMT5X.75	\$28.95	17x1	DWTSMT17X1	\$58.99	28x2	DWTSMT28X2	\$233.35
5x.90	DWTSMT5X.9	\$7.99	17x1.50	DWTSMT17X1.5	\$58.99	28x2.50	DWTSMT28X2.5	\$233.35
5x1	DWTSMT5X1	\$28.95	17x1.75	DWTSMT17X1.75	\$58.99	28x3	DWTSMT28X3	\$233.35
5.5x.90	DWTSMT5.5X.9	\$7.99	17x2	DWTSMT17X2	\$58.99	30x1	DWTSMT30X1	\$251.50
6x.50	DWTSMT6X.5	\$28.95	18x.50	DWTSMT18X.5	\$66.23	30x1.25	DWTSMT30X1.25	\$251.50
6x.75	DWTSMT6X.75	\$8.30	18x.75	DWTSMT18X.75	\$66.23	30x1.50	DWTSMT30X1.5	\$160.12
6x1.25	DWTSMT6X1.25	\$28.95	18x1	DWTSMT18X1	\$47.31	30x2.50	DWTSMT30X2.5	\$251.50
6.3x1	DWTSMT6.3X1	\$8.30	18x1.25	DWTSMT18X1.25	\$66.23	30x3	DWTSMT30X3	\$251.50
7x.50	DWTSMT7X.5	\$30.03	18x1.75	DWTSMT18X1.75	\$66.23	32x1.50	DWTSMT32X1.5	\$259.25
7x.75	DWTSMT7X.75	\$30.03	18x2	DWTSMT18X2	\$47.31	32x2.50	DWTSMT32X2.5	\$259.25
7x1.25	DWTSMT7X1.25	\$30.03	19x1	DWTSMT19X1	\$71.04	33x1	DWTSMT33X1	\$274.81
8x.50	DWTSMT8X.5	\$31.32	19x1.50	DWTSMT19X1.5	\$71.04	33x1.50	DWTSMT33X1.5	\$274.81
8x.75	DWTSMT8X.75	\$31.32	19x1.75	DWTSMT19X1.75	\$71.04	33x3	DWTSMT33X3	\$274.81
8x1.50	DWTSMT8X1.5	\$31.32	19x2.50	DWTSMT19X2.5	\$71.04	34x1.50	DWTSMT34X1.5	\$285.18
9x.75	DWTSMT9X.75	\$33.10	20x.50	DWTSMT20X.5	\$84.28	35x3	DWTSMT35X3	\$305.92
9x1	DWTSMT9X1	\$10.18	20x.75	DWTSMT20X.75	\$84.28	36x1.50	DWTSMT36X1.5	\$321.87
9x1.25	DWTSMT9X1.25	\$33.10	20x1	DWTSMT20X1	\$64.28	38x1.50	DWTSMT38X1.5	\$356.79
9x1.50	DWTSMT9X1.5	\$33.10	20x1.25	DWTSMT20X1.25	\$84.28	38x3	DWTSMT38X3	\$356.79
10x.50	DWTSMT10X.5	\$34.27	20x1.75	DWTSMT20X1.75	\$84.28	38x4	DWTSMT38X4	\$356.79
10x.75	DWTSMT10X.75	\$34.27	20x2	DWTSMT20X2	\$64.28	39x1.50	DWTSMT39X1.5	\$396.76
10x1	DWTSMT10X1	\$16.40	21x1	DWTSMT21X1	\$87.88	40x4	DWTSMT40X4	\$419.18
10x1.75	DWTSMT10X1.75	\$34.27	21x1.25	DWTSMT21X1.25	\$87.88	42x1.50	DWTSMT42X1.5	\$325.30
11x.50	DWTSMT11X.5	\$35.45	21x1.50	DWTSMT21X1.5	\$87.88	42x3	DWTSMT42X3	\$446.76
11x.75	DWTSMT11X.75	\$35.45	21x1.75	DWTSMT21X1.75	\$87.88	45x1.50	DWTSMT45X1.5	\$325.30
11x1	DWTSMT11X1	\$35.45	21x2	DWTSMT21X2	\$87.88	45x4.50	DWTSMT45X4.5	\$325.30
11x1.25	DWTSMT11X1.25	\$35.45	21x2.50	DWTSMT21X2.5	\$87.88	46x4.50	DWTSMT46X4.5	\$507.65
11x1.50	DWTSMT11X1.5	\$16.40	22x.50	DWTSMT22X.5	\$98.73	48x5	DWTSMT48X5	\$338.63
11x1.75	DWTSMT11X1.75	\$35.45	22x.75	DWTSMT22X.75	\$98.73			

HAND TAP AND DRILL SETS IN POUCH

POU Series Hand Tap and Drill Set

Each set comes with one DWT high speed steel tap (plug style) and matching DWDN high speed steel black oxide drill bit in a plastic pouch. Sets with a drill bit over 1/2" come with a DWDRSD reduced shank drill bit with a 1/2" shank.

POU Series

Part Number	HSS Plug Tap	HSS Drill	List Price
POU0-80	#0-80	3-64"	\$12.41
POU1-64	#1-64	#53	\$11.92
POU1-72	#1-72	#53	\$11.92
POU2-56	#2-56	#51	\$10.36
POU2-64	#2-64	#50	\$11.13
POU3-48	#3-48	#47	\$8.13
POU3-56	#3-56	#45	\$8.56
POU4-36	#4-36	#44	\$6.94
POU4-40	#4-40	#43	\$6.89
POU4-48	#4-48	#42	\$6.94
POU5-40	#5-40	#38	\$6.83
POU5-44	#5-44	#37	\$6.83
POU6-32	#6-32	#36	\$5.37
POU6-40	#6-40	#33	\$5.64
POU8-32	#8-32	#29	\$5.52
POU10-24	#10-24	#25	\$5.72
POU10-32	#10-32	#21	\$5.79
POU12-24	#12-24	#16	\$6.38
POU1/4-20	1/4"-20	#7	\$6.46
POU1/4-28	1/4"-28	#3	\$6.63
POU5/16-18	5/16"-18	"F"	\$8.39
POU5/16-24	5/16"-24	"I"	\$8.62
POU3/8-16	3/8"-16	5/16"	\$9.28
POU3/8-24	3/8"-24	"Q"	\$10.47
POU7/16-14	7/16"-14	"U"	\$16.05
POU7/16-20	7/16"-20	25/64"	\$15.28
POU1/2-13	1/2"-13	27/64"	\$16.90
POU1/2-20	1/2"-20	29/64"	\$17.54
POU9/16-12	9/16"-12	31/64"	\$26.16
POU9/16-18	9/16"-18	33/64" X 1/2" Shank	\$31.80
POU5/8-11	5/8"-11	17/32" X 1/2" Shank	\$36.59
POU5/8-18	5/8"-18	37/64" X 1/2" Shank	\$38.06
POU11/16-11	11/16"-11	19/32" X 1/2" Shank	\$43.53
POU11/16-16	11/16"-16	5/8" X 1/2" Shank	\$43.84
POU3/4-10	3/4"-10	21/32" X 1/2" Shank	\$48.96
POU3/4-16	3/4"-16	11/16" X 1/2" Shank	\$49.44
POU7/8-9	7/8"-9	49/64" X 1/2" Shank	\$66.48
POU7/8-14	7/8"-14	13/16" X 1/2" Shank	\$67.36
POU1-8	1"-8	7/8" X 1/2" Shank	\$85.57
POU1-12	1"-12	59/64" X 1/2" Shank	\$88.96
POU1-14	1"-14	15/16" X 1/2" Shank	\$88.96
POU1-1/8-7	1-1/8"-7	63/64" X 1/2" Shank	\$130.13
POU1-1/8-12	1-1/8"-12	1-3/64" X 1/2" Shank	\$143.73
POU1-1/4-7	1-1/4"-7	1-7/64" X 1/2" Shank	\$166.99
POU1-1/4-12	1-1/4"-12	1-11/64" X 1/2" Shank	\$173.74
POU1-3/8-6	1-3/8"-6	1-7/32" X 1/2" Shank	\$212.88
POU1-3/8-12	1-3/8"-12	1-19/64" X 1/2" Shank	\$221.73
POU1-1/2-6	1-1/2"-6	1-11/32" X 1/2" Shank	\$253.83
POU1-1/2-12	1-1/2"-12	1-27/64" X 1/2" Shank	\$264.04



METRIC HAND TAP AND DRILL SETS IN POUCH

POU Series Hand Tap and Drill Set

Each set comes with one DWT high speed steel tap (plug style) and matching DWDN high speed steel black oxide drill bit in a plastic pouch. Sets with a drill bit over 1/2" come with a DWDRSD reduced shank drill bit with a 1/2" shank.

POU Series			
Part Number	HSS Plug Tap	HSS Drill	List Price
POUM1.6X.35	m1.6x.35	1.25 mm	\$17.51
POUM1.8X.35	m1.8x.35	1.45 mm	\$17.51
POUM2X.4	m2x.4	1.60 mm	\$17.51
POUM2.2X.45	m2.2x.45	1.75 mm	\$11.22
POUM2.5X.45	m2.5x.45	2.05 mm	\$11.22
POUM3X.5	m3x.5	2.50 mm	\$9.57
POUM3.5X.6	m3.5x.6	2.90 mm	\$8.13
POUM4X.7	m4x.7	3.30 mm	\$8.24
POUM4.5X.75	m4.5x.75	3.75 mm	\$8.35
POUM5X.8	m5x.8	4.20 mm	\$8.45
POUM6X1	m6x1	5.00 mm	\$9.20
POUM7X1	m7x1	6.00 mm	\$10.31
POUM8X1	m8x1	7.00 mm	\$11.02
POUM8X1.25	m8x1.25	6.75 mm	\$11.02
POUM10X1.25	m10x1.25	8.75 mm	\$19.86
POUM10X1.5	m10x1.5	8.50 mm	\$19.01
POUM12X1.25	m12x1.25	10.75 mm	\$26.30
POUM12X1.75	m12x1.75	10.25 mm	\$24.90
POUM14X1.5	m14x1.5	12.50 mm	\$36.27
POUM14X2	m14x2	12.00 mm	\$35.93
POUM16X1.5	m16x1.5	14.50 mm x 1/2" Shank	\$59.04
POUM16X2	m16x2	14.00 mm x 1/2" Shank	\$59.04
POUM18X1.5	m18x1.5	16.50 mm x 1/2" Shank	\$75.29
POUM18X2.5	m18x2.5	15.50 mm x 1/2" Shank	\$73.36
POUM20X1.5	m20x1.5	18.50 mm x 1/2" Shank	\$95.49
POUM20X2.5	m20x2.5	17.50 mm x 1/2" Shank	\$92.12
POUM22X1.5	m22x1.5	20.50 mm x 1/2" Shank	\$103.56
POUM22X2.5	m22x2.5	19.50 mm x 1/2" Shank	\$98.60
POUM24X2	m24x2	22.00 mm x 1/2" Shank	\$126.78
POUM24X3	m24x3	21.00 mm x 1/2" Shank	\$125.18
POUM27X2	m27x2	25.00 mm x 1/2" Shank	\$189.26
POUM27X3	m27x3	24.00 mm x 1/2" Shank	\$183.21
POUM30X2	m30x2	28.00 mm x 1/2" Shank	\$246.28
POUM30X3.5	m30x3.5	26.50 mm x 1/2" Shank	\$232.88
POUM33X2	m33x2	31.00 mm x 1/2" Shank	\$306.62
POUM33X3.5	m33x3.5	29.50 mm x 1/2" Shank	\$298.07
POUM36X3	m36x3	33.00 mm x 1/2" Shank	\$377.40
POUM36X4	m36x4	32.00 mm x 1/2" Shank	\$369.01



HSS SPIRAL POINTED TAPS

DWT Series - High Speed Gun Taps

Spiral-Pointed taps, or Machine Taps, were originated to solve the problem of tap breakage in through hole tapping. The Machine Tap shoots chips ahead of the cutting action, thus reducing loading and clogging in the flutes. They are recommended for use in through or blind holes which allow for chip accumulation in the bottom of the hole. Ideal for threading a wide variety of ductile materials, copper and copper alloys, brass and non-metallics.

DWT Series			
Size	No. of Flutes	Part Number	List Price
0-80	2	DWT57009	\$14.43
1-64	2	DWT57021	\$13.14
1-72	2	DWT57023	\$13.14
2-56	2	DWT57031	\$11.03
2-64	2	DWT57033	\$12.05
3-48	2	DWT57038	\$8.93
3-56	2	DWT57041	\$9.76
4-36	2	DWT57046	\$7.74
4-40	2	DWT57048	\$7.16
4-48	2	DWT57051	\$7.82
5-40	2	DWT57062	\$7.16
5-44	2	DWT57064	\$7.44
6-32	2	DWT57072	\$5.99
6-40	2	DWT57076	\$6.32
8-32	2	DWT57085	\$5.99
8-36	2	DWT57089	\$6.32
10-24	2	DWT57097	\$5.99
10-32	2	DWT57104	\$5.99
12-24	2	DWT57112	\$6.86
12-28	2	DWT57114	\$6.86
14-24	2	DWT57115	\$13.14
1/4"-20	2	DWT57129	\$5.99

Size	No. of Flutes	Part Number	List Price
1/4"-28	2	DWT57139	\$5.99
5/16"-18	2	DWT57151	\$6.65
5/16"-24	2	DWT57160	\$6.65
3/8"-16	3	DWT57176	\$7.71
3/8"-24	3	DWT57181	\$7.71
7/16"-14	3	DWT57192	\$13.14
7/16"-20	3	DWT57195	\$13.14
1/2"-13	3	DWT57215	\$13.36
1/2"-20	3	DWT57220	\$13.36
9/16"-12	3	DWT91612	\$25.30
9/16"-18	3	DWT91618	\$25.30
5/8"-11	3	DWT57230	\$29.14
5/8"-18	3	DWT57555	\$29.14
11/16"-11	3	DWT111611	\$39.48
11/16"-16	3	DWT111616	\$39.48
3/4"-10	3	DWT57246	\$41.64
3/4"-16	3	DWT60999	\$41.64
7/8"-9	3	DWT789	\$60.78
7/8"-14	3	DWT7814	\$60.78
1"-8	3	DWT18	\$80.92
1"-12	3	DWT112	\$80.92
1"-14	3	DWT114	\$80.92



T/A Series - High Speed Gun Taps

Size	Limit	No. of Flutes	Part Number	List Price
0-80	H1	2	T/A57009	\$22.52
1-64	H1	2	T/A57021	\$18.10
1-72	H1	2	T/A57023	\$18.10
2-56	H2	2	T/A57031	\$17.64
2-64	H2	2	T/A57033	\$18.13
3-48	H2	2	T/A57038	\$13.23
3-56	H2	2	T/A57041	\$13.23
4-36	H2	2	T/A57046	\$13.23
4-40	H2	2	T/A57048	\$11.41
4-48	H2	2	T/A57051	\$13.23
5-40	H2	2	T/A57062	\$11.41
5-44	H2	2	T/A57064	\$13.23
6-32	H3	2	T/A57072	\$9.61
6-40	H2	2	T/A57076	\$10.42
8-32	H3	2	T/A57085	\$9.61
8-36	H2	2	T/A57089	\$10.42
10-24	H3	2	T/A57097	\$9.61
10-32	H3	2	T/A57104	\$9.61

Size	Limit	No. of Flutes	Part Number	List Price
12-24	H3	2	T/A57112	\$10.71
12-28	H3	2	T/A57114	\$10.71
1/4"-20	H3	2	T/A57129	\$8.72
1/4"-28	H3	2	T/A57139	\$8.72
5/16"-18H3		2	T/A57151	\$9.69
5/16"-24H3		2	T/A57160	\$9.69
3/8"-16 H3		3	T/A57176	\$11.21
3/8"-24 H3		3	T/A57181	\$11.21
7/16"-14H3		3	T/A57192	\$19.13
7/16"-20H3		3	T/A57195	\$19.13
1/2"-13 H3		3	T/A57215	\$19.42
1/2"-20 H3		3	T/A57220	\$20.38
9/16"-12H3		3	T/A91612	\$37.99
9/16"-18H3		3	T/A91618	\$37.99
5/8"-11 H3		3	T/A57230	\$42.03
5/8"-18 H3		3	T/A57555	\$42.03
3/4"-10 H3		3	T/A57246	\$56.39
3/4"-16 H3		3	T/A60999	\$56.39

DWT Series - High Speed Metric Gun Taps

Size	No. of Flutes	Part Number	List Price
1.6x.35	2	DWTG1.6X.35	\$18.40
1.8x.35	2	DWTG1.8X.35	\$18.40
2x.4	2	DWTG2X.4	\$16.32
2.2x.45	2	DWTG2.2X.45	\$14.84
2.5x.45	2	DWTG2.5X.45	\$12.39
3x.5	2	DWTG3X.5	\$9.85
3.5x.6	2	DWTG3.5X.6	\$8.50
4x.7	2	DWTG4X.7	\$8.50
4.5x.75	2	DWTG4.5X.75	\$8.50
5x.8	2	DWTG5X.8	\$8.50

Size	No. of Flutes	Part Number	List Price
6x1	2	DWTG6X1	\$8.50
7x1	2	DWTG7X1	\$9.85
8x1	2	DWTG8X1	\$9.85
8x1.25	2	DWTG8X1.25	\$9.85
10x1.25	3	DWTG10X1.25	\$14.80
10x1.5	3	DWTG10X1.5	\$14.80
12x1.25	3	DWTG12X1.25	\$19.88
12x1.75	3	DWTG12X1.75	\$19.88
14x1.25	3	DWTG14X1.25	\$29.65
14x1.5	3	DWTG14X1.5	\$29.65

Size	No. of Flutes	Part Number	List Price
14x2	3	DWTG14X2	\$29.65
16x1.5	3	DWTG16X1.5	\$34.72
16x2	3	DWTG16X2	\$34.72
18x1.5	3	DWTG18X1.5	\$49.83
18x2.5	3	DWTG18X2.5	\$49.83
20x1.5	3	DWTG20X1.5	\$61.34
20x2.5	3	DWTG20X2.5	\$61.34
22x2.5	3	DWTG22X2.5	\$79.19

TIN-COATED TAPS

T/A Series - TIN Coated Plug Taps

T/A Series				
Size	Limit	No. of Flutes	Part Number	List Price
6-32	H3	3	T/A54224TN	\$12.47
8-32	H3	4	T/A54278TN	\$13.55
10-24	H3	4	T/A54330TN	\$14.82
10-32	H3	4	T/A54357TN	\$14.82
12-24	H3	4	T/A54386TN	\$15.71
1/4"-20	H3	4	T/A54454TN	\$14.67
1/4"-28	H3	4	T/A54470TN	\$14.67
5/16"-18	H3	4	T/A54505TN	\$20.11
5/16"-24	H3	4	T/A54519TN	\$20.11
3/8"-16	H3	4	T/A54583TN	\$21.53
3/8"-24	H3	4	T/A54596TN	\$21.53
7/16"-14	H3	4	T/A54653TN	\$33.07

Size	Limit	No. of Flutes	Part Number	List Price
7/16"-20	H3	4	T/A54662TN	\$33.07
1/2"-13	H3	4	T/A54727TN	\$34.84
1/2"-20	H3	4	T/A54738TN	\$34.84
5/8"-11	H3	4	T/A54780TN	\$69.91
5/8"-18	H3	4	T/A54788TN	\$69.91
3/4"-10	H3	4	T/A54839TN	\$97.49
3/4"-16	H3	4	T/A54847TN	\$97.49
7/8"-9	H3	4	T/A54885TN	\$138.92
7/8"-14	H3	4	T/A54891TN	\$138.92
1"-8	H3	4	T/A54924TN	\$169.06
1"-12	H3	4	T/A54929TN	\$173.89
1"-14	H3	4	T/A54934TN	\$169.06



T/A Series - TIN Coated Gun Taps

T/A Series				
Size	Limit	No. of Flutes	Part Number	List Price
0-80	H1	2	T/A57009TN	\$29.32
1-64	H1	2	T/A57021TN	\$27.14
1-72	H1	2	T/A57023TN	\$27.14
2-56	H2	2	T/A57031TN	\$24.41
2-64	H2	2	T/A57033TN	\$26.36
3-48	H2	2	T/A57038TN	\$21.63
3-56	H2	2	T/A57041TN	\$21.63
4-40	H2	2	T/A57048TN	\$20.04
4-48	H2	2	T/A57051TN	\$21.63
5-40	H2	2	T/A57062TN	\$20.04
5-44	H2	2	T/A57064TN	\$21.63
6-32	H3	2	T/A57072TN	\$16.73
6-40	H2	2	T/A57076TN	\$17.92
8-32	H3	2	T/A57085TN	\$16.73
8-36	H2	2	T/A57089TN	\$17.92
10-24	H3	2	T/A57097TN	\$16.73
10-32	H3	2	T/A57104TN	\$16.73
12-24	H3	2	T/A57112TN	\$17.93

Size	Limit	No. of Flutes	Part Number	List Price
12-28	H3	2	T/A57114TN	\$17.93
1/4"-20	H3	2	T/A57129TN	\$16.68
1/4"-28	H3	2	T/A57139TN	\$16.68
5/16"-18	H3	2	T/A57151TN	\$21.25
5/16"-24	H3	2	T/A57160TN	\$21.25
3/8"-16	H3	3	T/A57176TN	\$23.82
3/8"-24	H3	3	T/A57181TN	\$23.82
7/16"-14	H3	3	T/A57192TN	\$41.02
7/16"-20	H3	3	T/A57195TN	\$41.02
1/2"-13	H3	3	T/A57215TN	\$41.38
1/2"-20	H3	3	T/A57220TN	\$44.71
9/16"-12	H3	3	T/A91612TN	\$58.90
9/16"-18	H3	3	T/A91618TN	\$58.90
5/8"-11	H3	3	T/A57230TN	\$74.66
5/8"-18	H3	3	T/A57555TN	\$74.66
3/4"-10	H3	3	T/A57246TN	\$91.10
3/4"-16	H3	3	T/A60999TN	\$91.10



CARBON STEEL HAND TAPS

DWT Series - Carbon Steel Hand Taps

Carbon Steel Hand Taps are used to re-thread damaged and/or jammed threads. Carbon Steel Hand Taps may also be used to thread mild steels. **Taper Style** - Starts the thread square with the workpiece. **Plug Style** - Generally used in thru holes. **Bottom Style** - Generates the thread to the bottom of the hole.



DWT Series

Size	No. of Flutes	Taper	Plug	Bottom	List Price	Set	List Price
0-80	2	DWTT0-80	DWTP0-80	DWTB0-80	\$4.13	DWTS0-80	\$12.37
1-64	2	DWTT1-64	DWTP1-64	DWTB1-64	\$3.87	DWTS1-64	\$11.62
1-72	2	DWTT1-72	DWTP1-72	DWTB1-72	\$3.87	DWTS1-72	\$11.62
2-56	3	DWTT2-56	DWTP2-56	DWTB2-56	\$3.69	DWTS2-56	\$11.01
2-64	3	DWTT2-64	DWTP2-64	DWTB2-64	\$3.69	DWTS2-64	\$11.01
3-48	3	DWTT3-48	DWTP3-48	DWTB3-48	\$2.67	DWTS3-48	\$7.98
3-56	3	DWTT3-56	DWTP3-56	DWTB3-56	\$2.67	DWTS3-56	\$7.98
4-36	3	DWTT4-36	DWTP4-36	DWTB4-36	\$2.67	DWTS4-36	\$7.98
4-40	3	DWTT4-40	DWTP4-40	DWTB4-40	\$2.67	DWTS4-40	\$7.98
5-40	3	DWTT5-40	DWTP5-40	DWTB5-40	\$2.23	DWTS5-40	\$6.67
5-44	3	DWTT5-44	DWTP5-44	DWTB5-44	\$2.23	DWTS5-44	\$6.67
6-32	3	DWTT6-32	DWTP6-32	DWTB6-32	\$2.23	DWTS6-32	\$6.67
6-40	3	DWTT6-40	DWTP6-40	DWTB6-40	\$2.23	DWTS6-40	\$6.67
8-32	4	DWTT8-32	DWTP8-32	DWTB8-32	\$2.23	DWTS8-32	\$6.67
8-36	4	DWTT8-36	DWTP8-36	DWTB8-36	\$2.23	DWTS8-36	\$6.67
10-24	4	DWTT10-24	DWTP10-24	DWTB10-24	\$2.45	DWTS10-24	\$7.29
10-32	4	DWTT10-32	DWTP10-32	DWTB10-32	\$2.45	DWTS10-32	\$7.29
12-24	4	DWTT12-24	DWTP12-24	DWTB12-24	\$2.78	DWTS12-24	\$8.31
12-28	4	DWTT12-28	DWTP12-28	DWTB12-28	\$2.78	DWTS12-28	\$8.31
1/4"-20	4	DWTT1/4-20	DWTP1/4-20	DWTB1/4-20	\$2.78	DWTS1/4-20	\$8.38
1/4"-28	4	DWTT1/4-28	DWTP1/4-28	DWTB1/4-28	\$2.78	DWTS1/4-28	\$8.38
5/16"-18	4	DWTT5/16-18	DWTP5/16-18	DWTB5/16-18	\$3.42	DWTS5/16-18	\$10.24
5/16"-24	4	DWTT5/16-24	DWTP5/16-24	DWTB5/16-24	\$3.42	DWTS5/16-24	\$10.24
3/8"-16	4	DWTT3/8-16	DWTP3/8-16	DWTB3/8-16	\$3.82	DWTS3/8-16	\$11.44
3/8"-24	4	DWTT3/8-24	DWTP3/8-24	DWTB3/8-24	\$3.82	DWTS3/8-24	\$11.44
7/16"-14	4	DWTT7/16-14	DWTP7/16-14	DWTB7/16-14	\$5.00	DWTS7/16-14	\$15.00
7/16"-20	4	DWTT7/16-20	DWTP7/16-20	DWTB7/16-20	\$5.00	DWTS7/16-20	\$15.00
1/2"-13	4	DWTT1/2-13	DWTP1/2-13	DWTB1/2-13	\$5.71	DWTS1/2-13	\$17.14
1/2"-20	4	DWTT1/2-20	DWTP1/2-20	DWTB1/2-20	\$5.71	DWTS1/2-20	\$17.14
9/16"-12	4	DWTT9/16-12	DWTP9/16-12	DWTB9/16-12	\$7.77	DWTS9/16-12	\$23.31
9/16"-18	4	DWTT9/16-18	DWTP9/16-18	DWTB9/16-18	\$7.77	DWTS9/16-18	\$23.31
5/8"-11	4	DWTT5/8-11	DWTP5/8-11	DWTB5/8-11	\$8.62	DWTS5/8-11	\$25.85
5/8"-18	4	DWTT5/8-18	DWTP5/8-18	DWTB5/8-18	\$8.62	DWTS5/8-18	\$25.85
11/16"-11	4	DWTT11/16-11	DWTP11/16-11	DWTB11/16-11	\$10.31	DWTS11/16-11	\$30.95
11/16"-16	4	DWTT11/16-16	DWTP11/16-16	DWTB11/16-16	\$10.31	DWTS11/16-16	\$30.95
3/4"-10	4	DWTT3/4-10	DWTP3/4-10	DWTB3/4-10	\$12.26	DWTS3/4-10	\$36.79
3/4"-16	4	DWTT3/4-16	DWTP3/4-16	DWTB3/4-16	\$12.26	DWTS3/4-16	\$36.79
7/8"-9	4	DWTT7/8-9	DWTP7/8-9	DWTB7/8-9	\$17.24	DWTS7/8-9	\$51.69
7/8"-14	4	DWTT7/8-14	DWTP7/8-14	DWTB7/8-14	\$17.24	DWTS7/8-14	\$51.69
1"-8	4	DWTT1-8	DWTP1-8	DWTB1-8	\$21.45	DWTS1-8	\$64.36
1"-12	4	DWTT1-12	DWTP1-12	DWTB1-12	\$21.45	DWTS1-12	\$64.36
1"-14	4	DWTT1-14	DWTP1-14	DWTB1-14	\$21.45	DWTS1-14	\$64.36
1-1/8"-7	4	DWTT1-1/8-7	DWTP1-1/8-7	DWTB1-1/8-7	\$43.60	DWTS1-1/8-7	\$130.79
1-1/8"-12	4	DWTT1-1/8-12	DWTP1-1/8-12	DWTB1-1/8-12	\$43.60	DWTS1-1/8-12	\$130.79
1-1/4"-7	4	DWTT1-1/4-7	DWTP1-1/4-7	DWTB1-1/4-7	\$50.20	DWTS1-1/4-7	\$150.60
1-1/4"-12	6	DWTT1-1/4-12	DWTP1-1/4-12	DWTB1-1/4-12	\$50.20	DWTS1-1/4-12	\$150.60
1-3/8"-6	4	DWTT1-3/8-6	DWTP1-3/8-6	DWTB1-3/8-6	\$59.55	DWTS1-3/8-6	\$178.65
1-3/8"-12	6	DWTT1-3/8-12	DWTP1-3/8-12	DWTB1-3/8-12	\$59.55	DWTS1-3/8-12	\$178.65
1-1/2"-6	4	DWTT1-1/2-6	DWTP1-1/2-6	DWTB1-1/2-6	\$70.21	DWTS1-1/2-6	\$210.64
1-1/2"-12	6	DWTT1-1/2-12	DWTP1-1/2-12	DWTB1-1/2-12	\$70.21	DWTS1-1/2-12	\$210.64
1-3/4"-5	6	DWTT1-3/4-5	DWTP1-3/4-5	DWTB1-3/4-5	\$78.68	DWTS1-3/4-5	\$236.02

TAPS

DWT Series - High Speed Left Hand Taps

DWT Series							
Size	No. of Flutes	Taper	Plug	Bottom	List Price	Set	List Price
6-32	3	DWT60705	DWT60706	DWT60707	\$7.31	DWT60708	\$21.95
8-32	4	DWT60716	DWT60717	DWT60718	\$7.31	DWT60719	\$21.95
10-24	4	DWT60727	DWT60728	DWT60729	\$7.31	DWT60730	\$21.95
10-32	4	DWT60731	DWT60732	DWT60733	\$7.31	DWT60734	\$21.95
1/4"-20	4	DWT60747	DWT60748	DWT60749	\$8.48	DWT60750	\$25.43
1/4"-28	4	DWT60751	DWT60752	DWT60753	\$8.48	DWT60754	\$25.43
5/16"-18	4	DWT60759	DWT60760	DWT60761	\$9.46	DWT60762	\$28.39
5/16"-24	4	DWT60763	DWT60764	DWT60765	\$9.46	DWT60766	\$28.39
3/8"-16	4	DWT60775	DWT60776	DWT60777	\$12.25	DWT60778	\$36.77
3/8"-24	4	DWT60779	DWT60780	DWT60781	\$12.25	DWT60782	\$36.77
7/16"-14	4	DWT60791	DWT60792	DWT60793	\$17.83	DWT60794	\$53.48
7/16"-20	4	DWT60795	DWT60796	DWT60797	\$17.83	DWT60798	\$53.48
1/2"-13	4	DWT60807	DWT60808	DWT60809	\$20.79	DWT60810	\$62.41
1/2"-20	4	DWT60811	DWT60812	DWT60813	\$20.79	DWT60814	\$62.41
9/16"-12	4	DWT60823	DWT60824	DWT60825	\$30.61	DWT60826	\$91.79
9/16"-18	4	DWT60827	DWT60828	DWT60829	\$30.61	DWT60830	\$91.79
5/8"-11	4	DWT60831	DWT60832	DWT60833	\$37.71	DWT60834	\$113.13
5/8"-18	4	DWT60835	DWT60836	DWT60837	\$37.71	DWT60838	\$113.13
3/4"-10	4	DWT60861	DWT60862	DWT60863	\$50.72	DWT60864	\$152.15
3/4"-16	4	DWT60865	DWT60866	DWT60867	\$50.72	DWT60868	\$152.15
7/8"-9	4	DWT60885	DWT60886	DWT60887	\$67.80	DWT60888	\$203.45
7/8"-14	4	DWT60889	DWT60890	DWT60891	\$67.80	DWT60892	\$203.45
1"-8	4	DWT60901	DWT60902	DWT60903	\$90.20	DWT60904	\$270.60
1"-12	4	DWT60905	DWT60906	DWT60907	\$90.20	DWT60908	\$270.60
1"-14	4	DWT60909	DWT60910	DWT60911	\$90.20	DWT60912	\$270.60

PULLEY TAPS

DWTET Series - High Speed Pulley Taps

Extension Taps are used for tapping the hubs of pulleys for oil caps or set screws. The long shank is also ideal for reaching holes inaccessible with standard length taps. Extension Taps are furnished in several different overall lengths. Available in PLUG chamfer only.



DWTET Series 6" O.A.L.

Size	Part Number	List Price
6-32	DWTET6X6-32	\$24.76
8-32	DWTET6X8-32	\$24.76
10-24	DWTET6X10-24	\$24.76
10-32	DWTET6X10-32	\$24.76
12-24	DWTET6X12-24	\$24.76
1/4"-20	DWTET6X1/4-20	\$37.63
1/4"-28	DWTET6X1/4-28	\$37.63
5/16"-18	DWTET6X5/16-18	\$39.15
5/16"-24	DWTET6X5/16-24	\$39.15
3/8"-16	DWTET6X3/8-16	\$44.07
3/8"-24	DWTET6X3/8-24	\$44.07
7/16"-14	DWTET6X7/16-14	\$46.85
7/16"-20	DWTET6X7/16-20	\$46.85
1/2"-13	DWTET6X1/2-13	\$47.25
1/2"-20	DWTET6X1/2-20	\$47.25
5/8"-11	DWTET6X5/8-11	\$63.08
5/8"-18	DWTET6X5/8-18	\$63.08
3/4"-10	DWTET6X3/4-10	\$76.38
3/4"-16	DWTET6X3/4-16	\$76.38
7/8"-9	DWTET6X7/8-9	\$102.66

8" O.A.L.

Size	Part Number	List Price
1/4"-20	DWTET8X1/4-20	\$45.59
5/16"-18	DWTET8X5/16-18	\$46.86
3/8"-16	DWTET8X3/8-16	\$52.33
7/16"-14	DWTET8X7/16-14	\$59.79
7/16"-20	DWTET8X7/16-20	\$59.79
9/16"-18	DWTET8X9/16-18	\$94.13
5/8"-11	DWTET8X5/8-11	\$80.68
3/4"-10	DWTET8X3/4-10	\$92.96
1"-14	DWTET8X1-14	\$158.43



GUN TAPS 6" O.A.L.

DWTGT Series		
Size	Part Number	List Price
6-32	DWTGT6X6-32	\$33.03
8-32	DWTGT6X8-32	\$33.03
10-24	DWTGT6X10-24	\$33.03
10-32	DWTGT6X10-32	\$33.03
12-24	DWTGT6X12-24	\$33.03
1/4"-20	DWTGT6X1/4-20	\$41.25
1/4"-28	DWTGT6X1/4-28	\$41.25
5/16"-18	DWTGT6X5/16-18	\$42.39
5/16"-24	DWTGT6X5/16-24	\$42.39
3/8"-16	DWTGT6X3/8-16	\$45.58
3/8"-24	DWTGT6X3/8-24	\$45.58
7/16"-14	DWTGT6X7/16-14	\$48.76
1/2"-13	DWTGT6X1/2-13	\$53.01
1/2"-20	DWTGT6X1/2-20	\$53.01

NUT TAPS

DWTNT Series		
Size	Part Number	List Price
10-32	DWTNT10-32	\$68.27
1/4"-20	DWTNT1/4-20	\$58.52
5/16"-18	DWTNT5/16-18	\$66.24
3/8"-16	DWTNT3/8-16	\$78.15
3/8"-24	DWTNT3/8-24	\$78.15
7/16"-20	DWTNT7/16-20	\$83.61
9/16"-12	DWTNT9/16-12	\$143.22
9/16"-18	DWTNT9/16-18	\$143.22

PIPE TAPS

DWT Series - High Speed NPT Taps

T/A Series - High Speed NPT Taps

National Pipe Taper Taps are appropriate for threading a wide variety of materials both ferrous and non-ferrous. The nominal size of a Pipe Tap is that of the pipe fitting to be tapped, not the actual size of the tap. The thread tapers 3/4" of an inch per foot. All Pipe Taps furnished with a 2-1/2" to 3-1/2" thread chamfer. NPT threads require the use of a "sealer" like teflon tape or pipe compound.

		DWT Series		T/A Series	
Size	No. of Flutes	Part Number	List Price	Part Number	List Price
1/16"-27	4	DWT64003	\$20.78	T/A64003	\$38.01
1/8"-27	4	DWT64005	\$20.78	T/A64005	\$34.79
1/4"-18	4	DWT64006	\$23.31	T/A64006	\$38.41
3/8"-18	4	DWT64007	\$30.19	T/A64007	\$50.39
1/2"-14	4	DWT64008	\$48.20	T/A64008	\$79.25
3/4"-14	5	DWT64009	\$74.26	T/A64009	\$112.67
1"-11-1/2	5	DWT64010	\$112.85	T/A64010	\$171.30
1-1/4"-11-1/2	5	DWT64011	\$169.45	T/A64011	\$241.59
1-1/2"-11-1/2	7	DWT64012	\$228.02	T/A64012	\$324.96
2"-11-1/2	7	DWT64013	\$342.06	T/A64013	\$442.13
2-1/2"-8	8	DWT64014	\$868.76		
3"-8	8	DWT64015	\$1,281.94		
3-1/2"-8	8	DWT64016	\$1,591.16		
4"-8	8	DWT64017	\$2,258.21		



DWTPT Series - Carbon Steel NPT Taps

Carbon Steel Pipe Taps are designed to clean and/or re-thread damaged or jammed pipe threads.

DWTPT Series		
Size	Part Number	List Price
1/8"-27	DWTPT1/8	\$5.98
1/4"-18	DWTPT1/4	\$7.32
3/8"-18	DWTPT3/8	\$9.14
1/2"-14	DWTPT1/2	\$12.32
3/4"-14	DWTPT3/4	\$20.61
1"-11-1/2	DWTPT1INCH	\$41.06
1-1/4"-11-1/2	DWTPT1-1/4	\$62.51
1-1/2"-11-1/2	DWTPT1-1/2	\$83.99
2"-11-1/2	DWTPT2INCH	\$137.52
2-1/2"-8	DWTPT2-1/2	\$322.08
3"-8	DWTPT3INCH	\$544.38
3-1/2"-8	DWTPT3-1/2	\$993.33
4"-8	DWTPT4INCH	\$1,369.18
5"-8	DWTPT5INCH	\$2,221.32
6"-8	DWTPT6INCH	\$3,131.32



INTERRUPTED THREAD

Special Purpose Pipe Tap, appropriate for threading a wide variety of materials both ferrous and non-ferrous where chip disposal is a problem. The first few threads on an Interrupted Thread Pipe Tap are full. The balance of the threads are interrupted to reduce drag while taper pipe threading.

DWT Series		
Size	Part Number	List Price
1/8"-27	DWT64224	\$34.36
1/4"-18	DWT64225	\$36.18
3/8"-18	DWT64226	\$52.38
1/2"-14	DWT64227	\$81.02
3/4"-14	DWT64228	\$114.15
1"-11-1/2	DWT64229	\$176.27
1-1/4"-11-1/2	DWT64230	\$259.92
1-1/2"-11-1/2	DWT64231	\$351.98
2"-11-1/2	DWT64232	\$474.70



NPS TAPS

National Pipe Straight Taps marked NPS are suitable for tapping holes, or couplings, for low pressure work to assemble with taper threaded pipe or fittings to secure a tight joint when a sealer is used. They are suitable for NPSC and NPSM work.

DWT Series			
Size	No. of Flutes	Part Number	List Price
1/16"-27	4	DWT64115	\$29.82
1/8"-27	4	DWT64116	\$22.82
1/4"-18	4	DWT64117	\$25.59
3/8"-18	4	DWT64118	\$38.04
1/2"-14	4	DWT64119	\$58.91
3/4"-14	5	DWT64120	\$84.44
1"-11-1/2	5	DWT64121	\$129.27
1-1/4"-11-1/2	5	DWT64122	\$181.38
1-1/2"-11-1/2	7	DWT64123	\$249.87
2"-11-1/2	7	DWT64124	\$355.04

NPT PIPE TAP SETS

POUNPT Series - NPT Tap and Drill Sets

Each set comes with one DWTPT carbon steel NPT Pipe Tap and corresponding DWDN high speed steel black oxide drill bit in a plastic pouch. Sets with a drill bit larger than 1/2" come with a DWDRSD reduced shank drill bit with a 1/2" shank.

POUCS Series - NPT Tap Sets

Each set comes with DWTPT carbon steel NPT Pipe Taps in a plastic pouch.

DWT Series - NPT Tap and Die Sets in Wood Case

Assortment of NPT Pipe Tap and Die Sets in wood cases.

NPT TAP & DRILL SETS

POUNPT Series

NPT Tap Size	HSS Drill Size	Part Number	List Price
1/16"	"D"	POU1/16NPTW/DRILL	\$7.63
1/8"	"R"	POU1/8NPTW/DRILL	\$8.48
1/4"	7/16"	POU1/4NPTW/DRILL	\$10.07
3/8"	37/64"	POU3/8NPTW/DRILL	\$18.87
1/2"	23/32"	POU1/2NPTW/DRILL	\$23.85
3/4"	59/64"	POU3/4NPTW/DRILL	\$37.74
1"	1-5/32"	POU1NPTW/DRILL	\$74.73



CARBON NPT TAP SETS

POUCS Series

Size	NPT Tap Sizes	Part Number	List Price
5 PC SET	1/8", 1/4", 3/8", 1/2", 3/4"	POUCSNPT5	\$49.82
3 PC SET	1", 1-1/4", 1-1/2"	POUCSNPT3	\$166.42



NPT TAP/DIE SETS

DWT Series

Size	NPT Sizes	Material	Part Number	List Price
6 PC TAP	1/8", 1/4", 3/8", 1/2", 3/4", 1"	High Speed Steel	DWTHS1/8-1SET	\$280.90
6 PC TAP	1/4", 3/8", 1/2", 3/4", 1", 1-1/4"	High Speed Steel	DWTHS1/4-1-1/4SET	\$413.40
6 PC TAP	1/8", 1/4", 3/8", 1/2", 3/4", 1"	Carbon Steel	DWTPT1/8-1SET	\$86.92
6 PC TAP	1/4", 3/8", 1/2", 3/4", 1", 1-1/4"	Carbon Steel	DWTPT1/4-1-1/4SET	\$137.80
6 PC TAP	1/8", 1/4", 3/8", 1/2", 3/4", 1"	Carbon Steel	DWTHXNPT-SET	\$196.10
12 PC TAP/DIE	1/8", 1/4", 3/8", 1/2", 3/4", 1"	Carbon Steel	DWTNPT-SET	\$280.90



TAPS & ACCESORIES

TAP AND DIE SETS

DWT Series

Description	Part Number	List Price
#4-1/2" CS Tap & Die Set with Hex Dies	DWT40PC-HEX	\$200.14
#4-1/2" CS Tap & Die Set with Round Dies	DWT40PC-ROUND	\$200.14
3-12 mm CS Tap & Die Set with Hex Dies	DWT40PC-MM-HEX	\$200.14
3-12 mm CS Tap & Die Set with Round Dies	DWT40PC-MM-ROUND	\$200.14
#4-1/2" HS Tap & Die Set with Round Dies	DWT40PC-HS-ROUND	\$545.70
3-12mm HS Tap & Die Set with Round Dies	DWT40PC-HS-MM-ROUND	\$545.70
6-24mm NC & NF CS Tap & Die Set	DWT45PC-MM-SET	\$658.05
1/4"-1" NC & NF CS Tap & Die Set	DWT45PC-SET	\$658.05

COMBINED DRILL AND TAP

DWT Series

Size	Part Number	List Price
4-40	DWT4-40DRAP	\$33.40
6-32	DWT6-32DRAP	\$30.93
8-32	DWT8-32DRAP	\$30.93
10-24	DWT10-24DRAP	\$31.99
10-32	DWT10-32DRAP	\$31.99
12-24	DWT12-24DRAP	\$35.35
1/4"-20	DWT1/4-20DRAP	\$35.71
5/16"-18	DWT5/16-18DRAP	\$46.70
3/8"-16	DWT3/8-16DRAP	\$56.77
7/16"-14	DWT7/16-14DRAP	\$71.72
1/2"-13	DWT1/2-13DRAP	\$86.35
9/16"-12	DWT9/16-12DRAP	\$135.59
5/8"-11	DWT5/8-11DRAP	\$171.05
*Set	DWTDAP-SET	\$92.75

DWT Series - Combined Drill and Tap

Designed to drill and tap in one operation. Can be used on multi-spindle or hand held operations.

*Set contains #6-32, #8-32, #10-32, #12-24, #14-24 and 1/4"-20 with Hex Shanks in a plastic case.



TAP WRENCHES

ADJUSTABLE TAP WRENCHES

DWTTW Series - Adjustable Tap Wrenches



Capacity					DWTTW Series	
Hand Taps	Screw Machine	Pipe	Hand Reamer	O.A.L.	Part Number	List Price
1/16"-1/4"	0-14	-	1/8"-21/64"	7"	DWTTW0	\$11.74
1/16"-3/8"	0-14	-	1/8"-25/64"	9"	DWTTW4	\$22.31
5/32"-1/2"	7-14	1/8"	11/64"-7/16"	11"	DWTTW5	\$18.10
5/32"-3/4"	7-14	1/8"-1/4"	11/64"-41/64"	15"	DWTTW6	\$25.56
1/4"-1-1/8"	-	1/8"-3/4"	9/32"-29/32"	19"	DWTTW7	\$49.49
1/2"-1-3/8"	-	1/8"-1"	3/8"-1-5/32"	31"	DWTTW7-1/2	\$86.37
3/4"-1-5/8"	-	3/8"-1-1/4"	37/64"-1-11/32"	40"	DWTTW8	\$142.72
1"-2-1/2"	-	3/4"-2"	7/8"-2-1/8"		DWTTW22	\$264.91
1-3/4"-4"	-	1-1/2"-4"	1-7/16"-3"		DWTTW24	\$346.98

T-HANDLE TAP WRENCHES

DWTD Series - T-Handle Tap Wrenches

Capacity			DWTD Series		
Size	Fractional Taps	Screw Machine	O.A.L.	Part Number	List Price
Plain	1/16"-1/4"	0-14	2-3/4"	DWTD328	\$12.74
Plain	7/32"-1/2"	12-14	3-5/8"	DWTD332	\$17.80
Ratchet	1/16"-1/4"	0-14	3-3/4"	DWTD338R	\$48.74
Ratchet	7/32"-1/2"	12-14	5"	DWTD339R	\$52.43



TAPS & DIES

DWT Series - Acme Taps

Single pass acme taps produce threads from 10° to 30° in a single pass without a lead screw



DWT Series					
Size	Decimal Equiv.	Thread Length	O.A.L.	Part Number	List Price
3/8"-12	.3750	2"	4"	DWT3/8-12ACME	\$250.98
7/16"-12	.4375	2-1/4"	4-1/2"	DWT7/16-12ACME	\$250.98
1/2"-10	.5000	2-9/16"	5"	DWT1/2-10ACME	\$244.86
5/8"-8	.6250	3-3/16"	6-1/4"	DWT5/8-8ACME	\$283.12
3/4"-6	.7500	4-5/16"	7-15/16"	DWT3/4-6ACME	\$368.83
7/8"-6	.8750	4-3/8"	8-5/8"	DWT7/8-6ACME	\$373.41
1"-5	1.0000	5-1/4"	10-1/8"	DWT1-5ACME	\$454.53
1-1/4"-5	1.2500	5-1/4"	11-1/8"	DWT1-1/4-5ACME	\$538.69
1-1/2"-4	1.5000	5-7/8"	12-5/8"	DWT1-1/2-4ACME	\$673.37

G A R D E N H O S E N G H T A P A N D D I E

DWTNGH Series - HSS Garden Hose Tap and Die

For making new threads or re-threading existing NGH threads

DWTNGH Series		
Size	Part Number	List Price
3/4"-11-1/2 NGH	DWTNGH3/4TAP	\$64.66
3/4"-11-1/2 NGH	DWTNGH3/4DIE	\$47.38



C A R B O N S T E E L S Q U A R E D I E S

DWT Series - Carbon Steel Square Dies

Designed for rethreading jammed or damaged bolt threads.

B O L T S I Z E S

DWTSQ Series		
Size	Part Number	List Price
1/4"-20	DWTSQ1420	\$72.50
5/16"-18	DWTSQ51618	\$78.41
3/8"-16	DWTSQ3816	\$81.72
7/16"-14	DWTSQ71614	\$87.18
1/2"-13	DWTSQ1213	\$99.64
5/8"-11	DWTSQ5811	\$110.76
3/4"-10	DWTSQ3410	\$112.89
7/8"-9	DWTSQ789	\$122.33
1"-8	DWTSQ18	\$137.46
1-1/8"-7	DWTSQ1187	\$152.80
1-1/4"-7	DWTSQ1147	\$168.37
1-3/8"-6	DWTSQ1386	\$188.00
1-1/2"-6	DWTSQ1126	\$199.80
1-3/4"-5	DWTSQ1345	\$314.10
2"-4-1/2	DWTSQ2412	\$625.17



N P T S I Z E S

Size	Part Number	List Price
1/8"x2"SQ	DWTSQNPT18X2	\$82.03
1/8"x2-1/2"SQ	DWTSQNPT18X212	\$99.39
1/4"x2"SQ	DWTSQNPT14X2	\$82.03
1/4"x2-1/2"SQ	DWTSQNPT14X212	\$99.39
3/8"x2"SQ	DWTSQNPT38X2	\$82.03
3/8"x2-1/2"SQ	DWTSQNPT38X212	\$99.39
1/2"x2"SQ	DWTSQNPT12X2	\$82.03
1/2"x2-1/2"SQ	DWTSQNPT12X212	\$99.39
1/2"x3"SQ	DWTSQNPT12X3	\$115.51
3/4"x2-1/2"SQ	DWTSQNPT34X212	\$99.39
3/4"x3"SQ	DWTSQNPT34X3	\$115.51
1"x2-1/2"SQ	DWTSQNPT1X212	\$99.39
1"x3"SQ	DWTSQNPT1X3	\$115.51
1"x4"SQ	DWTSQNPT1X4	\$140.32
1-1/4"x3"SQ	DWTSQNPT114X3	\$115.51
1-1/4"x4"SQ	DWTSQNPT114X4	\$140.32
1-1/2"x4"SQ	DWTSQNPT112X4	\$140.32
2"x4"SQ	DWTSQNPT2X4	\$140.32
2-1/2"x5"SQ	DWTSQNPT212X5	\$241.41
3"x5"SQ	DWTSQNPT3X5	\$241.41

HEX DIES

DWT Series - Hex Dies

Carbon Steel Hex Dies are for dressing over bruised or rusty threads, they are the most cost effective rethreading tool available. No special holder is required for this type of die, any wrench large enough will suffice. Ideal for maintenance in the shop or field.

MACHINE AND FRACTIONAL SIZES

DWTHX Series

Size	Part Number	List Price
4-40	DWTHX440	\$9.79
5-40	DWTHX540	\$9.79
6-32	DWTHX632	\$9.79
8-32	DWTHX832	\$9.79
10-24	DWTHX1024	\$9.79
10-32	DWTHX1032	\$9.79
12-24	DWTHX1224	\$9.79
1/4"-20	DWTHX1420	\$8.84
1/4"-28	DWTHX1428	\$8.84
5/16"-18	DWTHX51618	\$9.89
5/16"-24	DWTHX51624	\$9.89
3/8"-16	DWTHX3816	\$10.18
3/8"-24	DWTHX3824	\$10.18

Size	Part Number	List Price
7/16"-14	DWTHX71614	\$12.57
7/16"-20	DWTHX71620	\$12.57
1/2"-13	DWTHX1213	\$13.60
1/2"-20	DWTHX1220	\$13.60
9/16"-12	DWTHX91612	\$14.70
9/16"-18	DWTHX91618	\$14.70
5/8"-11	DWTHX5811	\$17.09
5/8"-18	DWTHX5818	\$17.09
11/16"-11	DWTHX111611	\$21.03
11/16"-16	DWTHX111616	\$21.03
3/4"-10	DWTHX3410	\$22.41
3/4"-16	DWTHX3416	\$22.41
7/8"-9	DWTHX789	\$25.12

Size	Part Number	List Price
7/8"-14	DWTHX7814	\$25.12
1"-8	DWTHX18	\$31.70
1"-12	DWTHX112	\$31.70
1"-14	DWTHX114	\$31.70
1-1/8"-7	DWTHX1187	\$47.68
1-1/8"-12	DWTHX11812	\$47.68
1-1/4"-7	DWTHX1147	\$55.31
1-1/4"-12	DWTHX11412	\$55.31
1-3/8"-6	DWTHX1386	\$62.85
1-3/8"-12	DWTHX13812	\$62.85
1-1/2"-6	DWTHX1126	\$70.35
1-1/2"-12	DWTHX11212	\$70.35

NPT PIPE SIZES

DWTHXNPT Series

Size	Part Number	List Price
1/8"NPT	DWTHXNPT18	\$13.18
1/4"NPT	DWTHXNPT14	\$17.24
3/8"NPT	DWTHXNPT38	\$25.52
1/2"NPT	DWTHXNPT12	\$31.14
3/4"NPT	DWTHXNPT34	\$50.56
1"NPT	DWTHXNPT11NCH	\$80.50
1-1/4"NPT	DWTHXNPT114	\$129.86

Size	Part Number	List Price
1-1/2"NPT	DWTHXNPT112	\$201.26
2"NPT	DWTHXNPT2INCH	\$311.67
2-1/2"NPT	DWTHXNPT212	\$521.71
3"NPT	DWTHXNPT3INCH	\$737.67
3-1/2"NPT	DWTHXNPT312	\$1,125.98
4"NPT	DWTHXNPT4INCH	\$1,383.16



HSS FRACTIONAL SIZES

DWTHSHEX Series

Size	Part Number	List Price
1/4"-20	DWTHSHEX1420	\$23.54
1/4"-28	DWTHSHEX1428	\$23.54
5/16"-18	DWTHSHEX51618	\$26.48
5/16"-24	DWTHSHEX51624	\$26.48
3/8"-16	DWTHSHEX3816	\$29.39
3/8"-24	DWTHSHEX3824	\$29.39
7/16"-14	DWTHSHEX71614	\$31.74
7/16"-20	DWTHSHEX71620	\$31.74
1/2"-13	DWTHSHEX1213	\$39.96
1/2"-20	DWTHSHEX1220	\$39.96
9/16"-12	DWTHSHEX91612	\$48.25
9/16"-18	DWTHSHEX91618	\$48.25
5/8"-11	DWTHSHEX5811	\$52.93
5/8"-18	DWTHSHEX5818	\$52.93
11/16"-11	DWTHSHEX111611	\$57.55
11/16"-16	DWTHSHEX111616	\$57.55

Size	Part Number	List Price
3/4"-10	DWTHSHEX3410	\$58.80
3/4"-16	DWTHSHEX3416	\$58.80
7/8"-9	DWTHSHEX789	\$76.16
7/8"-14	DWTHSHEX7814	\$76.16
1"-8	DWTHSHEX18	\$88.84
1"-12	DWTHSHEX112	\$88.84
1"-14	DWTHSHEX114	\$88.84
1-1/8"-7	DWTHSHEX1187	\$176.13
1-1/8"-12	DWTHSHEX11812	\$176.13
1-1/4"-7	DWTHSHEX1147	\$185.09
1-1/4"-12	DWTHSHEX11412	\$185.09
1-3/8"-6	DWTHSHEX1386	\$210.31
1-3/8"-12	DWTHSHEX13812	\$210.31
1-1/2"-6	DWTHSHEX1126	\$259.56
1-1/2"-12	DWTHSHEX11212	\$259.56



HEX DIES

LEFT HAND FRACTIONAL SIZES

DWTHX Series

Size	Part Number	List Price
1/4"-20	DWTHX1420LH	\$15.69
1/4"-28	DWTHX1428LH	\$15.69
5/16"-18	DWTHX51618LH	\$17.37
5/16"-24	DWTHX51624LH	\$17.37
3/8"-16	DWTHX3816LH	\$19.68
3/8"-24	DWTHX3824LH	\$19.68
7/16"-14	DWTHX71614LH	\$20.50
7/16"-20	DWTHX71620LH	\$20.50
1/2"-13	DWTHX1213LH	\$25.11
1/2"-20	DWTHX1220LH	\$25.11
9/16"-12	DWTHX91612LH	\$30.55
9/16"-18	DWTHX91618LH	\$30.55
5/8"-11	DWTHX5811LH	\$32.86
5/8"-18	DWTHX5818LH	\$32.86
11/16"-11	DWTHX111611LH	\$36.64
11/16"-16	DWTHX111616LH	\$36.64

Size	Part Number	List Price
3/4"-10	DWTHX3410LH	\$37.46
3/4"-16	DWTHX3416LH	\$37.46
7/8"-9	DWTHX789LH	\$54.55
7/8"-14	DWTHX7814LH	\$54.55
1"-8	DWTHX18LH	\$56.07
1"-12	DWTHX112LH	\$56.07
1"-14	DWTHX114LH	\$56.07
1-1/8"-7	DWTHX1187LH	\$73.07
1-1/8"-12	DWTHX11812LH	\$73.07
1-1/4"-7	DWTHX1147LH	\$77.46
1-1/4"-12	DWTHX11412LH	\$77.46
1-3/8"-6	DWTHX1386LH	\$81.39
1-3/8"-12	DWTHX13812LH	\$81.39
1-1/2"-6	DWTHX1126LH	\$85.46
1-1/2"-12	DWTHX11212LH	\$85.46



SPECIAL THREAD FRACTIONAL SIZES

DWTSH Series

Size	Part Number	List Price
1/4"-24	DWTSH1/4-24	\$45.32
1/4"-27	DWTSH1/4-27	\$45.32
1/4"-32	DWTSH1/4-32	\$45.32
1/4"-36	DWTSH1/4-36	\$45.32
1/4"-40	DWTSH1/4-40	\$45.32
1/4"-48	DWTSH1/4-48	\$45.32
5/16"-20	DWTSH5/16-20	\$46.08
5/16"-27	DWTSH5/16-27	\$46.08
5/16"-32	DWTSH5/16-32	\$46.08
5/16"-40	DWTSH5/16-40	\$46.08
3/8"-20	DWTSH3/8-20	\$47.01
3/8"-27	DWTSH3/8-27	\$47.01
3/8"-28	DWTSH3/8-28	\$47.01
3/8"-32	DWTSH3/8-32	\$47.01
3/8"-40	DWTSH3/8-40	\$47.01
7/16"-18	DWTSH7/16-18	\$47.80
7/16"-24	DWTSH7/16-24	\$47.80
7/16"-28	DWTSH7/16-28	\$47.80
7/16"-32	DWTSH7/16-32	\$47.80
7/16"-40	DWTSH7/16-40	\$47.80
1/2"-12	DWTSH1/2-12	\$48.53
1/2"-16	DWTSH1/2-16	\$48.53
1/2"-18	DWTSH1/2-18	\$48.53
1/2"-24	DWTSH1/2-24	\$48.53
1/2"-27	DWTSH1/2-27	\$48.53
1/2"-28	DWTSH1/2-28	\$48.53
1/2"-32	DWTSH1/2-32	\$48.53
1/2"-36	DWTSH1/2-36	\$48.53
9/16"-16	DWTSH9/16-16	\$49.12
9/16"-20	DWTSH9/16-20	\$49.12

Size	Part Number	List Price
9/16"-24	DWTSH9/16-24	\$49.12
9/16"-32	DWTSH9/16-32	\$49.12
5/8"-16	DWTSH5/8-16	\$51.15
5/8"-20	DWTSH5/8-20	\$51.15
5/8"-24	DWTSH5/8-24	\$51.15
5/8"-32	DWTSH5/8-32	\$51.15
11/16"-18	DWTSH11/16-18	\$52.83
11/16"-24	DWTSH11/16-24	\$52.83
3/4"-12	DWTSH3/4-12	\$55.11
3/4"-20	DWTSH3/4-20	\$55.11
3/4"-24	DWTSH3/4-24	\$55.11
3/4"-28	DWTSH3/4-28	\$55.11
3/4"-32	DWTSH3/4-32	\$55.11
7/8"-16	DWTSH7/8-16	\$57.48
7/8"-18	DWTSH7/8-18	\$57.48
7/8"-20	DWTSH7/8-20	\$57.48
7/8"-24	DWTSH7/8-24	\$57.48
7/8"-28	DWTSH7/8-28	\$57.48
7/8"-32	DWTSH7/8-32	\$57.48
15/16"-16	DWTSH15/16-16	\$60.19
15/16"-20	DWTSH15/16-20	\$60.19
1"-16	DWTSH1-16	\$60.19
1"-18	DWTSH1-18	\$60.19
1"-20	DWTSH1-20	\$60.19
1"-24	DWTSH1-24	\$60.19
1-1/16"-16	DWTSH1-1/16-16	\$71.13
1-1/16"-18	DWTSH1-1/16-18	\$71.13
1-1/8"-16	DWTSH1-1/8-16	\$71.13
1-1/8"-18	DWTSH1-1/8-18	\$71.13
1-3/16"-12	DWTSH1-3/16-12	\$77.88

Size	Part Number	List Price
1-3/16"-16	DWTSH1-3/16-16	\$77.88
1-1/4"-18	DWTSH1-1/4-18	\$79.33
1-1/4"-24	DWTSH1-1/4-24	\$79.33
1-5/16"-12	DWTSH1-5/16-12	\$85.33
1-3/8"-16	DWTSH1-3/8-16	\$85.33
1-3/8"-18	DWTSH1-3/8-18	\$85.33
1-1/2"-16	DWTSH1-1/2-16	\$95.36
1-1/2"-18	DWTSH1-1/2-18	\$95.36
1-5/8"-12	DWTSH1-5/8-12	\$173.06
1-3/4"-5	DWTSH1-3/4-5	\$180.61
1-3/4"-12	DWTSH1-3/4-12	\$180.61
1-3/4"-16	DWTSH1-3/4-16	\$180.61
1-3/4"-18	DWTSH1-3/4-18	\$180.61
1-3/4"-20	DWTSH1-3/4-20	\$180.61
2"-4-1/2	DWTSH2-4-1/2	\$227.44
2"-12	DWTSH2-12	\$217.55
2-1/8"-12	DWTSH2-1/8-12	\$248.67
2-1/4"-12	DWTSH2-1/4-12	\$256.77
2-1/4"-16	DWTSH2-1/4-16	\$256.77
2-1/4"-18	DWTSH2-1/4-18	\$256.77
2-3/8"-12	DWTSH2-3/8-12	\$284.03
2-3/8"-16	DWTSH2-3/8-16	\$284.03
2-1/2"-4	DWTSH2-1/2-4	\$291.62
2-1/2"-12	DWTSH2-1/2-12	\$291.62
2-3/4"-12	DWTSH2-3/4-12	\$327.06
2-7/8"-12	DWTSH2-7/8-12	\$476.89
3"-12	DWTSH3-12	\$505.44

HEX DIES

SPECIAL THREAD - 8 PITCH SIZES

DWTSH Series

Size	Part Number	List Price	Size	Part Number	List Price
1-1/8"-8	DWTSH1-1/8-8	\$48.58	2-3/8"-8	DWTSH2-3/8-8	\$239.68
1-1/4"-8	DWTSH1-1/4-8	\$54.41	2-1/2"-8	DWTSH2-1/2-8	\$260.00
1-3/8"-8	DWTSH1-3/8-8	\$58.28	2-5/8"-8	DWTSH2-5/8-8	\$278.27
1-1/2"-8	DWTSH1-1/2-8	\$69.93	2-3/4"-8	DWTSH2-3/4-8	\$294.52
1-5/8"-8	DWTSH1-5/8-8	\$139.90	2-7/8"-8	DWTSH2-7/8-8	\$365.60
1-3/4"-8	DWTSH1-3/4-8	\$151.55	3"-8	DWTSH3-8	\$480.70
1-7/8"-8	DWTSH1-7/8-8	\$165.03	3-1/4"-8	DWTSH3-1/4-8	\$572.29
2"-8	DWTSH2-8	\$180.68	3-1/2"-8	DWTSH3-1/2-8	\$640.94
2-1/8"-8	DWTSH2-1/8-8	\$213.27	3-3/4"-8	DWTSH3-3/4-8	\$709.62
2-1/4"-8	DWTSH2-1/4-8	\$223.43	4"-8	DWTSH4-8	\$732.50



STANDARD METRIC SIZES

DWTMHX Series

Size	Part Number	List Price	Size	Part Number	List Price	Size	Part Number	List Price
1.6x.35	DWTMHX1.6X.35	\$14.03	10x1.25	DWTMHX10X1.25	\$18.09	22x2.5	DWTMHX22X2.5	\$47.66
1.8x.35	DWTMHX1.8X.35	\$14.03	10x1.5	DWTMHX10X1.5	\$18.09	24x2	DWTMHX24X2	\$50.20
2x.4	DWTMHX2X.4	\$14.03	12x1.25	DWTMHX12X1.25	\$19.59	24x3	DWTMHX24X3	\$50.20
2.2x.45	DWTMHX2.2X.45	\$14.03	12x1.75	DWTMHX12X1.75	\$19.59	27x2	DWTMHX27X2	\$55.85
2.5x.45	DWTMHX2.5X.45	\$14.03	14x1.25	DWTMHX14X1.25	\$20.70	27x3	DWTMHX27X3	\$55.85
3x.5	DWTMHX3X.5	\$13.07	14x1.5	DWTMHX14X1.5	\$20.70	30x2	DWTMHX30X2	\$67.57
3.5x.6	DWTMHX3.5X.6	\$13.07	14x2	DWTMHX14X2	\$20.70	30x3.5	DWTMHX30X3.5	\$67.57
4x.7	DWTMHX4X.7	\$13.07	16x1.5	DWTMHX16X1.5	\$23.72	33x2	DWTMHX33X2	\$74.38
4.5x.75	DWTMHX4.5X.75	\$13.07	16x2	DWTMHX16X2	\$23.72	33x3.5	DWTMHX33X3.5	\$74.38
5x.8	DWTMHX5X.8	\$13.07	18x1.5	DWTMHX18X1.5	\$30.82	36x3	DWTMHX36X3	\$81.90
6x1	DWTMHX6X1	\$13.68	18x2.5	DWTMHX18X2.5	\$30.82	36x4	DWTMHX36X4	\$81.90
7x1	DWTMHX7X1	\$14.65	20x1.5	DWTMHX20X1.5	\$39.08	39x3	DWTMHX39X3	\$85.96
8x1	DWTMHX8X1	\$14.65	20x2.5	DWTMHX20X2.5	\$39.08	39x4	DWTMHX39X4	\$90.11
8x1.25	DWTMHX8X1.25	\$14.65	22x1.5	DWTMHX22X1.5	\$47.66			

SPECIAL THREAD METRIC SIZES

DWTSMH Series

Size	Part Number	List Price	Size	Part Number	List Price	Size	Part Number	List Price
3x.6	DWTSMH3X.6	\$19.07	11x1.25	DWTSMH11X1.25	\$28.44	20x1	DWTSMH20X1	\$47.44
4x.5	DWTSMH4X.5	\$19.07	11x1.5	DWTSMH11X1.5	\$28.44	20x1.25	DWTSMH20X1.25	\$47.44
4x.75	DWTSMH4X.75	\$19.07	12x.75	DWTSMH12X.75	\$26.92	20x2	DWTSMH20X2	\$47.44
5x.5	DWTSMH5X.5	\$19.07	12x1	DWTSMH12X1	\$26.92	22x2	DWTSMH22X2	\$49.64
5x.75	DWTSMH5X.75	\$19.07	12x1.5	DWTSMH12X1.5	\$26.92	24x1	DWTSMH24X1	\$54.04
5x.9	DWTSMH5X.9	\$19.07	13x.5	DWTSMH13X.5	\$29.87	24x1.5	DWTSMH24X1.5	\$54.04
6x.5	DWTSMH6X.5	\$19.07	13x1.25	DWTSMH13X1.25	\$29.87	26x1	DWTSMH26X1	\$58.48
6x.75	DWTSMH6X.75	\$19.07	13x1.5	DWTSMH13X1.5	\$29.87	26x1.5	DWTSMH26X1.5	\$58.48
6x1.25	DWTSMH6X1.25	\$19.07	13x2	DWTSMH13X2	\$29.87	26x2	DWTSMH26X2	\$58.48
6.3x1	DWTSMH6.3X1	\$19.07	14x1	DWTSMH14X1	\$32.31	26x2.5	DWTSMH26X2.5	\$58.48
7x.75	DWTSMH7X.75	\$20.09	14x1.75	DWTSMH14X1.75	\$32.31	26x3	DWTSMH26X3	\$58.48
8x.5	DWTSMH8X.5	\$20.09	15x1	DWTSMH15X1	\$35.41	27x1.5	DWTSMH27X1.5	\$59.57
8x.75	DWTSMH8X.75	\$20.09	15x1.5	DWTSMH15X1.5	\$35.41	27x2.5	DWTSMH27X2.5	\$59.57
8x1.5	DWTSMH8X1.5	\$20.09	16x1	DWTSMH16X1	\$37.15	30x1	DWTSMH30X1	\$70.64
9x.75	DWTSMH9X.75	\$22.43	16x1.75	DWTSMH16X1.75	\$37.15	30x1.5	DWTSMH30X1.5	\$70.64
9x1	DWTSMH9X1	\$22.43	18x1	DWTSMH18X1	\$39.10	35x1.5	DWTSMH35X1.5	\$99.30
9x1.25	DWTSMH9X1.25	\$22.43	18x1.25	DWTSMH18X1.25	\$39.10	36x1.5	DWTSMH36X1.5	\$99.30
10x.75	DWTSMH10X.75	\$22.74	18x2	DWTSMH18X2	\$39.10	36x2	DWTSMH36X2	\$99.30
10x1	DWTSMH10X1	\$22.74	19x1	DWTSMH19X1	\$47.44	42x4.5	DWTSMH42X4.5	\$139.02
11x.75	DWTSMH11X.75	\$28.44	19x1.5	DWTSMH19X1.5	\$47.44	48x5	DWTSMH48X5	\$176.52
11x1	DWTSMH11X1	\$28.44	19x2.5	DWTSMH19X2.5	\$47.44			

ROUND DIES

HSS ROUND STANDARD SIZES

DWT Series - High Speed Adjustable Round Dies

For threading, a High Speed Steel Round Adjustable Die is desired for improved wear life. Round Dies are chamfered on both faces. One side has a 2 to 3 thread chamfer for threading, the other side has a 1" to 1-1/2" thread chamfer for threading close to a shoulder. Adjustment is obtained by a fine pitch screw which forces the sides of the die apart, or allows them to spring together. The slot is beveled so that when the dies are used in a machine holder the adjusting screw can be removed and adjustment made by the adjusting screws in the holder.

13 / 16" OD DWT Series

Size	Part Number	List Price
0-80	DWTH1316-080	\$13.17
1-64	DWTH1316-164	\$13.17
1-72	DWTH1316-172	\$13.17
2-56	DWTH1316-256	\$13.17
2-64	DWTH1316-264	\$13.17
3-48	DWTH1316-348	\$13.17
3-56	DWTH1316-356	\$13.17
4-36	DWTH1316-436	\$13.17
4-40	DWTH1316-440	\$13.17
4-48	DWTH1316-448	\$13.17
5-40	DWTH1316-540	\$13.17
5-44	DWTH1316-544	\$13.17
6-32	DWTH1316-632	\$13.17
6-40	DWTH1316-640	\$13.17
8-32	DWTH1316-832	\$13.17
8-36	DWTH1316-836	\$13.17
10-24	DWTH1316-1024	\$13.17
10-32	DWTH1316-1032	\$13.17
12-24	DWTH1316-1224	\$13.17
12-28	DWTH1316-1228	\$13.17
1/4"-20	DWTH1316-1420	\$13.17
1/4"-28	DWTH1316-1428	\$13.17
5/16"-18	DWTH1316-51618	\$13.17
5/16"-24	DWTH1316-51624	\$13.17

1" OD DWT Series

Size	Part Number	List Price
2-56	DWTH1-256	\$16.13
3-56	DWTH1-356	\$16.13
4-36	DWTH1-436	\$16.13
4-40	DWTH1-440	\$16.13
4-48	DWTH1-448	\$16.13
5-40	DWTH1-540	\$16.13
5-44	DWTH1-544	\$16.13
6-32	DWTH1-632	\$16.13
6-40	DWTH1-640	\$16.13
8-32	DWTH1-832	\$16.13
8-36	DWTH1-836	\$16.13
10-24	DWTH1-1024	\$16.13
10-32	DWTH1-1032	\$16.13
12-24	DWTH1-1224	\$16.13
12-28	DWTH1-1228	\$16.13
1/4"-20	DWTH1-1420	\$16.13
1/4"-28	DWTH1-1428	\$16.13
5/16"-18	DWTH1-51618	\$16.13
5/16"-24	DWTH1-51624	\$16.13
3/8"-16	DWTH1-3816	\$16.13
3/8"-24	DWTH1-3824	\$16.13
7/16"-14	DWTH1-71614	\$16.13
7/16"-20	DWTH1-71620	\$16.13
1/2"-13	DWTH1-1213	\$16.13
1/2"-20	DWTH1-1220	\$16.13

1-1/2" OD DWT Series

Size	Part Number	List Price
1/4"-20	DWTH112-1420	\$25.99
1/4"-28	DWTH112-1428	\$25.99
5/16"-18	DWTH112-51618	\$25.99
5/16"-24	DWTH112-51624	\$25.99
3/8"-16	DWTH112-3816	\$25.99
3/8"-24	DWTH112-3824	\$25.99
7/16"-14	DWTH112-71614	\$25.99
7/16"-20	DWTH112-71620	\$25.99
1/2"-13	DWTH112-1213	\$25.99
1/2"-20	DWTH112-1220	\$25.99
9/16"-12	DWTH112-91612	\$25.99
9/16"-18	DWTH112-91618	\$25.99
5/8"-11	DWTH112-5811	\$25.99
5/8"-18	DWTH112-5818	\$25.99
11/16"-11	DWTH112-111611	\$25.99
11/16"-16	DWTH112-111616	\$25.99
3/4"-10	DWTH112-3410	\$25.99
3/4"-16	DWTH112-3416	\$25.99

2" OD DWT Series

Size	Part Number	List Price
1/4"-20	DWTH2-1420	\$47.11
1/4"-28	DWTH2-1428	\$47.11
5/16"-18	DWTH2-51618	\$47.11
5/16"-24	DWTH2-51624	\$47.11
3/8"-16	DWTH2-3816	\$47.11
3/8"-24	DWTH2-3824	\$47.11
7/16"-14	DWTH2-71614	\$47.11
7/16"-20	DWTH2-71620	\$47.11
1/2"-13	DWTH2-1213	\$47.11
1/2"-20	DWTH2-1220	\$47.11
9/16"-12	DWTH2-91612	\$47.11
9/16"-18	DWTH2-91618	\$47.11
5/8"-11	DWTH2-5811	\$47.11
5/8"-18	DWTH2-5818	\$47.11
11/16"-11	DWTH2-111611	\$47.11
3/4"-10	DWTH2-3410	\$47.11
3/4"-16	DWTH2-3416	\$47.11
7/8"-9	DWTH2-789	\$47.11
7/8"-14	DWTH2-7814	\$47.11
1"-8	DWTH2-18	\$47.11
1"-12	DWTH2-112	\$47.11
1"-14	DWTH2-114	\$47.11

2-1/2" OD DWT Series

Size	Part Number	List Price
7/8"-9	DWTH212-789	\$92.18
7/8"-14	DWTH212-7814	\$92.18
1"-8	DWTH212-18	\$92.18
1"-12	DWTH212-112	\$92.18
1"-14	DWTH212-114	\$92.18
1-1/8"-7	DWTH212-1187	\$92.18
1-1/8"-12	DWTH212-11812	\$92.18
1-1/4"-7	DWTH212-1147	\$92.18
1-1/4"-12	DWTH212-11412	\$92.18
1-3/8"-6	DWTH212-1386	\$92.18
1-3/8"-12	DWTH212-13812	\$92.18
1-1/2"-6	DWTH212-1126	\$92.18
1-1/2"-12	DWTH212-11212	\$92.18

3" OD DWT Series

Size	Part Number	List Price
1-1/8"-7	DWTH3-1187	\$157.73
1-1/8"-12	DWTH3-11812	\$157.73
1-1/4"-7	DWTH3-1147	\$157.73
1-1/4"-12	DWTH3-11412	\$157.73
1-3/8"-6	DWTH3-1386	\$157.73
1-3/8"-12	DWTH3-13812	\$157.73
1-1/2"-6	DWTH3-1126	\$157.73
1-1/2"-12	DWTH3-11212	\$157.73



ROUND DIES

HSS ROUND SPECIAL SIZES



13 / 16" OD DWT Series

Size	Part Number	List Price
1-56	DWTSR1316-156	\$36.93
4-32	DWTSR1316-432	\$36.93
4-60	DWTSR1316-460	\$36.93
4-64	DWTSR1316-464	\$36.93
5-36	DWTSR1316-536	\$36.93
5-48	DWTSR1316-548	\$36.93
6-36	DWTSR1316-636	\$36.93
6-48	DWTSR1316-648	\$36.93
6-56	DWTSR1316-656	\$36.93

Size	Part Number	List Price
8-24	DWTSR1316-824	\$36.93
8-48	DWTSR1316-848	\$36.93
10-36	DWTSR1316-1036	\$36.93
12-32	DWTSR1316-1232	\$36.93
12-36	DWTSR1316-1236	\$36.93
12-40	DWTSR1316-1240	\$36.93
12-48	DWTSR1316-1248	\$36.93
5/32"-32	DWTSR1316-53232	\$36.93
5/32"-36	DWTSR1316-53236	\$36.93

Size	Part Number	List Price
3/16"-24	DWTSR1316-31624	\$36.93
3/16"-32	DWTSR1316-31632	\$36.93
7/32"-24	DWTSR1316-73224	\$36.93
1/4"-27	DWTSR1316-1427	\$36.93
1/4"-32	DWTSR1316-1432	\$36.93
1/4"-40	DWTSR1316-1440	\$36.93
5/16"-27	DWTSR1316-51627	\$36.93
5/16"-36	DWTSR1316-51636	\$36.93

1" OD DWT Series

Size	Part Number	List Price
6-36	DWTSR1-636	\$41.93
6-48	DWTSR1-648	\$41.93
10-28	DWTSR1-1028	\$41.93
10-56	DWTSR1-1056	\$41.93
5/32"-32	DWTSR1-53232	\$41.93
3/16"-24	DWTSR1-31624	\$41.93
3/16"-32	DWTSR1-31632	\$41.93
7/32"-24	DWTSR1-73224	\$41.93
7/32"-40	DWTSR1-73240	\$41.93
1/4"-16	DWTSR1-1416	\$41.93
1/4"-18	DWTSR1-1418	\$41.93
1/4"-22	DWTSR1-1422	\$41.93
1/4"-24	DWTSR1-1424	\$41.93
1/4"-26	DWTSR1-1426	\$41.93
1/4"-27	DWTSR1-1427	\$41.93
1/4"-30	DWTSR1-1430	\$41.93
1/4"-32	DWTSR1-1432	\$41.93
1/4"-36	DWTSR1-1436	\$41.93
1/4"-40	DWTSR1-1440	\$41.93
1/4"-48	DWTSR1-1448	\$41.93
1/4"-56	DWTSR1-1456	\$41.93
1/4"-60	DWTSR1-1460	\$41.93
1/4"-64	DWTSR1-1464	\$41.93
1/4"-72	DWTSR1-1472	\$41.93
1/4"-80	DWTSR1-1480	\$41.93

Size	Part Number	List Price
9/32"-32	DWTSR1-93232	\$41.93
5/16"-16	DWTSR1-51616	\$41.93
5/16"-20	DWTSR1-51620	\$41.93
5/16"-22	DWTSR1-51622	\$41.93
5/16"-27	DWTSR1-51627	\$41.93
5/16"-28	DWTSR1-51628	\$41.93
5/16"-30	DWTSR1-51630	\$41.93
5/16"-32	DWTSR1-51632	\$41.93
5/16"-36	DWTSR1-51636	\$41.93
5/16"-40	DWTSR1-51640	\$41.93
5/16"-48	DWTSR1-51648	\$41.93
5/16"-56	DWTSR1-51656	\$41.93
5/16"-64	DWTSR1-51664	\$41.93
5/16"-72	DWTSR1-51672	\$41.93
3/8"-14	DWTSR1-3814	\$41.93
3/8"-18	DWTSR1-3818	\$41.93
3/8"-20	DWTSR1-3820	\$41.93
3/8"-26	DWTSR1-3826	\$41.93
3/8"-32	DWTSR1-3832	\$41.93
3/8"-36	DWTSR1-3836	\$41.93
3/8"-40	DWTSR1-3840	\$41.93
3/8"-48	DWTSR1-3848	\$41.93
3/8"-56	DWTSR1-3856	\$41.93
3/8"-64	DWTSR1-3864	\$41.93
3/8"-72	DWTSR1-3872	\$41.93

Size	Part Number	List Price
3/8"-80	DWTSR1-3880	\$41.93
7/16"-12	DWTSR1-71612	\$41.93
7/16"-16	DWTSR1-71616	\$41.93
7/16"-18	DWTSR1-71618	\$41.93
7/16"-24	DWTSR1-71624	\$41.93
7/16"-27	DWTSR1-71627	\$41.93
7/16"-32	DWTSR1-71632	\$41.93
7/16"-36	DWTSR1-71636	\$41.93
7/16"-40	DWTSR1-71640	\$41.93
7/16"-48	DWTSR1-71648	\$41.93
7/16"-56	DWTSR1-71656	\$41.93
7/16"-64	DWTSR1-71664	\$41.93
7/16"-72	DWTSR1-71672	\$41.93
7/16"-80	DWTSR1-71680	\$41.93
1/2"-14	DWTSR1-1214	\$41.93
1/2"-16	DWTSR1-1216	\$41.93
1/2"-18	DWTSR1-1218	\$41.93
1/2"-24	DWTSR1-1224	\$41.93
1/2"-27	DWTSR1-1227	\$41.93
1/2"-28	DWTSR1-1228	\$41.93
1/2"-32	DWTSR1-1232	\$41.93
1/2"-36	DWTSR1-1236	\$41.93
1/2"-40	DWTSR1-1240	\$41.93
1/2"-48	DWTSR1-1248	\$41.93

1 - 1/2" OD DWT Series

Size	Part Number	List Price
1/4"-32	DWTSR112-1432	\$66.02
1/4"-48	DWTSR112-1448	\$66.02
5/16"-16	DWTSR112-51616	\$66.02
5/16"-27	DWTSR112-51627	\$66.02
5/16"-30	DWTSR112-51630	\$66.02
3/8"-27	DWTSR112-3827	\$66.02
3/8"-28	DWTSR112-3828	\$66.02
3/8"-32	DWTSR112-3832	\$66.02
3/8"-48	DWTSR112-3848	\$66.02
7/16"-24	DWTSR112-71624	\$66.02
7/16"-27	DWTSR112-71627	\$66.02
7/16"-28	DWTSR112-71628	\$66.02
15/32"-32	DWTSR112-153232	\$66.02

Size	Part Number	List Price
1/2"-24	DWTSR112-1224	\$66.02
1/2"-40	DWTSR112-1240	\$66.02
9/16"-16	DWTSR112-91616	\$66.02
9/16"-20	DWTSR112-91620	\$66.02
9/16"-24	DWTSR112-91624	\$66.02
9/16"-27	DWTSR112-91627	\$66.02
9/16"-36	DWTSR112-91636	\$66.02
9/16"-40	DWTSR112-91640	\$66.02
5/8"-12	DWTSR112-5812	\$66.02
5/8"-20	DWTSR112-5820	\$66.02
5/8"-24	DWTSR112-5824	\$66.02
5/8"-27	DWTSR112-5827	\$66.02
5/8"-28	DWTSR112-5828	\$66.02

Size	Part Number	List Price
5/8"-32	DWTSR112-5832	\$66.02
5/8"-40	DWTSR112-5840	\$66.02
11/16"-18	DWTSR112-111618	\$66.02
3/4"-12	DWTSR112-3412	\$66.02
3/4"-14	DWTSR112-3414	\$66.02
3/4"-18	DWTSR112-3418	\$66.02
3/4"-20	DWTSR112-3420	\$66.02
3/4"-24	DWTSR112-3424	\$66.02
3/4"-27	DWTSR112-3427	\$66.02
3/4"-32	DWTSR112-3432	\$66.02
3/4"-40	DWTSR112-3440	\$66.02
13/16"-32	DWTSR112-131632	\$66.02

ROUND DIES

HSS SPECIAL SIZES

2" OD DWT Series

Size	Part Number	List Price
13/16"-16	DWTSR2-131616	\$141.21
7/8"-10	DWTSR2-7810	\$141.21
7/8"-16	DWTSR2-7816	\$141.21
7/8"-18	DWTSR2-7818	\$141.21
7/8"-20	DWTSR2-7820	\$141.21
7/8"-24	DWTSR2-7824	\$141.21
7/8"-27	DWTSR2-7827	\$141.21
15/16"-20	DWTSR2-151620	\$141.21
1"-16	DWTSR2-116	\$141.21
1"-18	DWTSR2-118	\$141.21
1"-20	DWTSR2-120	\$141.21
1"-24	DWTSR2-124	\$141.21
1"-32	DWTSR2-132	\$141.21

2 - 1/2" OD DWT Series

Size	Part Number	List Price
1-1/16"-20	DWTSR212-111620	\$169.46
1-1/16"-24	DWTSR212-111624	\$169.46
1-1/8"-8	DWTSR212-1188	\$169.46
1-1/8"-20	DWTSR212-11820	\$169.46
1-3/16"-8	DWTSR212-13168	\$169.46
1-3/16"-18	DWTSR212-131618	\$169.46
1-3/16"-20	DWTSR212-131620	\$169.46
1-1/4"-8	DWTSR212-1148	\$169.46
1-5/16"-8	DWTSR212-15168	\$169.46
1-5/16"-12	DWTSR212-151612	\$169.46
1-5/16"-24	DWTSR212-151624	\$169.46
1-3/8"-18	DWTSR212-13818	\$169.46
1-3/8"-24	DWTSR212-13824	\$169.46

3" OD DWT Series

Size	Part Number	List Price
1-3/4"-5	DWTSR3-1345	\$295.95
1-3/4"-8	DWTSR3-1348	\$295.95
1-3/4"-12	DWTSR3-13412	\$295.95
1-7/8"-8	DWTSR3-1788	\$295.95
1-7/8"-12	DWTSR3-17812	\$295.95
2"-4-1/2	DWTSR3-2412	\$295.95
2"-8	DWTSR3-28	\$295.95
2"-12	DWTSR3-212	\$295.95

HSS METRIC STANDARD SIZES

13/16" OD DWT Series

Size	Part Number	List Price
1.6x.35	DWTMR1316-1.6X.35	\$21.60
1.8x.35	DWTMR1316-1.8X.35	\$21.60
2x.4	DWTMR1316-2X.4	\$21.60
2.2x.45	DWTMR1316-2.2X.45	\$21.60
2.5x.45	DWTMR1316-2.5X.45	\$21.60
3x.5	DWTMR1316-3X.5	\$21.60
3.5x.6	DWTMR1316-3.5X.6	\$21.60
4x.7	DWTMR1316-4X.7	\$21.60
4.5x.75	DWTMR1316-4.5X.75	\$21.60
5x.8	DWTMR1316-5X.8	\$21.60
6x1	DWTMR1316-6X1	\$21.60
7x1	DWTMR1316-7X1	\$21.60

1" OD DWT Series

Size	Part Number	List Price
3x.5	DWTMR1-3X.5	\$26.87
3.5x.6	DWTMR1-3.5X.6	\$26.87
4x.7	DWTMR1-4X.7	\$26.87
4.5x.75	DWTMR1-4.5X.75	\$26.87
5x.8	DWTMR1-5X.8	\$26.87
6x1	DWTMR1-6X1	\$26.87
7x1	DWTMR1-7X1	\$26.87
8x1	DWTMR1-8X1	\$26.87
8x1.25	DWTMR1-8X1.25	\$26.87
10x1.25	DWTMR1-10X1.25	\$26.87
10x1.5	DWTMR1-10X1.5	\$26.87
12x1.25	DWTMR1-12X1.25	\$26.87
12x1.75	DWTMR1-12X1.75	\$26.87

1 - 1/2" OD DWT Series

Size	Part Number	List Price
6x1	DWTMR112-6X1	\$42.87
7x1	DWTMR112-7X1	\$42.87
8x1	DWTMR112-8X1	\$42.87
8x1.25	DWTMR112-8X1.25	\$42.87
10x1.25	DWTMR112-10X1.25	\$42.87
10x1.5	DWTMR112-10X1.5	\$42.87
12x1.25	DWTMR112-12X1.25	\$42.87
12x1.75	DWTMR112-12X1.75	\$42.87
14x1.25	DWTMR112-14X1.25	\$42.87
14x1.5	DWTMR112-14X1.5	\$42.87
14x2	DWTMR112-14X2	\$42.87
16x1.5	DWTMR112-16X1.5	\$42.87
16x2	DWTMR112-16X2	\$42.87
18x1.5	DWTMR112-18X1.5	\$42.87
18x2.5	DWTMR112-18X2.5	\$42.87
20x1.5	DWTMR112-20X1.5	\$42.87
20x2.5	DWTMR112-20X2.5	\$42.87

2" OD DWT Series

Size	Part Number	List Price
6x1	DWTMR2-6X1	\$77.15
7x1	DWTMR2-7X1	\$77.15
8x1.25	DWTMR2-8X1.25	\$77.15
10x1.25	DWTMR2-10X1.25	\$77.15
12x1.75	DWTMR2-12X1.75	\$77.15
14x1.5	DWTMR2-14X1.5	\$77.15
14x2	DWTMR2-14X2	\$77.15
16x1.5	DWTMR2-16X1.5	\$77.15
16x2	DWTMR2-16X2	\$77.15
18x1.5	DWTMR2-18X1.5	\$77.15
18x2.5	DWTMR2-18X2.5	\$77.15
20x1.5	DWTMR2-20X1.5	\$77.15
20x2.5	DWTMR2-20X2.5	\$77.15
22x1.5	DWTMR2-22X1.5	\$77.15
22x2.5	DWTMR2-22X2.5	\$77.15
24x2	DWTMR2-24X2	\$77.15
24x3	DWTMR2-24X3	\$77.15
27x2	DWTMR2-27X2	\$77.15
27x3	DWTMR2-27X3	\$77.15
30x2	DWTMR2-30X2	\$77.15
30x3.5	DWTMR2-30X3.5	\$77.15

2 - 1/2" OD DWT Series

Size	Part Number	List Price
24x3	DWTMR212-24X3	\$119.08
27x2	DWTMR212-27X2	\$119.08
27x3	DWTMR212-27X3	\$119.08
30x2	DWTMR212-30X2	\$119.08
30x3.5	DWTMR212-30X3.5	\$119.08
33x2	DWTMR212-33X2	\$119.08
33x3.5	DWTMR212-33X3.5	\$119.08
36x3	DWTMR212-36X3	\$119.08
36x4	DWTMR212-36X4	\$119.08
39x3	DWTMR212-39X3	\$119.08

3" OD DWT Series

Size	Part Number	List Price
33x3.5	DWTMR3-33X3.5	\$171.64
36x3	DWTMR3-36X3	\$171.64
36x4	DWTMR3-36X4	\$171.64
39x3	DWTMR3-39X3	\$171.64
39x4	DWTMR3-39X4	\$171.64



ROUND DIES

HSS METRIC SPECIAL SIZES



13/16" OD DWT Series

Size	Part Number	List Price
1x.25	DWTSMR1316-1X.25	\$41.38
1.2x.2	DWTSMR1316-1.2X.2	\$41.38
1.4x.2	DWTSMR1316-1.4X.2	\$41.38
1.5x.3	DWTSMR1316-1.5X.3	\$41.38
1.7x.2	DWTSMR1316-1.7X.2	\$41.38
2x.25	DWTSMR1316-2X.25	\$41.38

Size	Part Number	List Price
2.3x.4	DWTSMR1316-2.3X.4	\$41.38
2.5x.5	DWTSMR1316-2.5X.5	\$41.38
2.6x.45	DWTSMR1316-2.6X.45	\$41.38
3x.6	DWTSMR1316-3X.6	\$41.38
4x.5	DWTSMR1316-4X.5	\$41.38
4x.75	DWTSMR1316-4X.75	\$41.38

Size	Part Number	List Price
5x.75	DWTSMR1316-5X.75	\$41.38
5.5x.9	DWTSMR1316-5.5X.9	\$41.38
6x.5	DWTSMR1316-6X.5	\$41.38
7x.75	DWTSMR1316-7X.75	\$41.38
8x1.5	DWTSMR1316-8X1.5	\$41.38

1" OD DWT Series

Size	Part Number	List Price
3x.6	DWTSMR1-3X.6	\$51.74
3.5x.5	DWTSMR1-3.5X.5	\$51.74
4x.5	DWTSMR1-4X.5	\$51.74
4x.75	DWTSMR1-4X.75	\$51.74
4.5x.5	DWTSMR1-4.5X.5	\$51.74
5x.5	DWTSMR1-5X.5	\$51.74
5x.7	DWTSMR1-5X.7	\$51.74
5x.75	DWTSMR1-5X.75	\$51.74
5x.9	DWTSMR1-5X.9	\$51.74
5x1	DWTSMR1-5X1	\$51.74
5.5x.5	DWTSMR1-5.5X.5	\$51.74
5.5x.9	DWTSMR1-5.5X.9	\$51.74
6x.5	DWTSMR1-6X.5	\$51.74
6x.75	DWTSMR1-6X.75	\$51.74
6x1.25	DWTSMR1-6X1.25	\$51.74

Size	Part Number	List Price
6.3x1	DWTSMR1-6.3X1	\$51.74
7x.5	DWTSMR1-7X.5	\$51.74
7x.75	DWTSMR1-7X.75	\$51.74
7x1.25	DWTSMR1-7X1.25	\$51.74
8x.5	DWTSMR1-8X.5	\$51.74
8x.75	DWTSMR1-8X.75	\$51.74
8x1.5	DWTSMR1-8X1.5	\$51.74
8x1.75	DWTSMR1-8X1.75	\$51.74
9x.5	DWTSMR1-9X.5	\$51.74
9x.75	DWTSMR1-9X.75	\$51.74
9x1	DWTSMR1-9X1	\$51.74
9x1.25	DWTSMR1-9X1.25	\$51.74
9x1.5	DWTSMR1-9X1.5	\$51.74
10x.5	DWTSMR1-10X.5	\$51.74
10x.75	DWTSMR1-10X.75	\$51.74

Size	Part Number	List Price
10x1	DWTSMR1-10X1	\$51.74
10x1.75	DWTSMR1-10X1.75	\$51.74
11x.5	DWTSMR1-11X.5	\$51.74
11x.75	DWTSMR1-11X.75	\$51.74
11x1	DWTSMR1-11X1	\$51.74
11x1.25	DWTSMR1-11X1.25	\$51.74
11x1.5	DWTSMR1-11X1.5	\$51.74
11x1.75	DWTSMR1-11X1.75	\$51.74
12x.5	DWTSMR1-12X.5	\$51.74
12x.75	DWTSMR1-12X.75	\$51.74
12x1	DWTSMR1-12X1	\$51.74
12x1.5	DWTSMR1-12X1.5	\$51.74
12x2	DWTSMR1-12X2	\$51.74

1 - 1/2" OD DWT Series

Size	Part Number	List Price
5x1	DWTSMR112-5X1	\$82.36
6x.75	DWTSMR112-6X.75	\$82.36
9x1	DWTSMR112-9X1	\$82.36
9x1.25	DWTSMR112-9X1.25	\$82.36
10x.75	DWTSMR112-10X.75	\$82.36
10x1	DWTSMR112-10X1	\$82.36
11x.75	DWTSMR112-11X.75	\$82.36
11x1	DWTSMR112-11X1	\$82.36
11x1.5	DWTSMR112-11X1.5	\$82.36
12x.75	DWTSMR112-12X.75	\$82.36
12x1	DWTSMR112-12X1	\$82.36
12x1.5	DWTSMR112-12X1.5	\$82.36
12x2	DWTSMR112-12X2	\$82.36
13x.5	DWTSMR112-13X.5	\$82.36
13x1	DWTSMR112-13X1	\$82.36
13x1.25	DWTSMR112-13X1.25	\$82.36
13x1.5	DWTSMR112-13X1.5	\$82.36
13x1.75	DWTSMR112-13X1.75	\$82.36
13x2	DWTSMR112-13X2	\$82.36

Size	Part Number	List Price
14x.5	DWTSMR112-14X.5	\$82.36
14x.75	DWTSMR112-14X.75	\$82.36
14x1	DWTSMR112-14X1	\$82.36
14x1.75	DWTSMR112-14X1.75	\$82.36
15x.5	DWTSMR112-15X.5	\$82.36
15x.75	DWTSMR112-15X.75	\$82.36
15x1	DWTSMR112-15X1	\$82.36
15x1.25	DWTSMR112-15X1.25	\$82.36
15x1.5	DWTSMR112-15X1.5	\$82.36
15x1.75	DWTSMR112-15X1.75	\$82.36
15x2	DWTSMR112-15X2	\$82.36
16x.5	DWTSMR112-16X.5	\$82.36
16x.75	DWTSMR112-16X.75	\$82.36
16x1	DWTSMR112-16X1	\$82.36
16x1.75	DWTSMR112-16X1.75	\$82.36
16x2.5	DWTSMR112-16X2.5	\$82.36
17x.5	DWTSMR112-17X.5	\$82.36
17x1	DWTSMR112-17X1	\$82.36
17x1.5	DWTSMR112-17X1.5	\$82.36

Size	Part Number	List Price
17x1.75	DWTSMR112-17X1.75	\$82.36
17x2	DWTSMR112-17X2	\$82.36
18x.5	DWTSMR112-18X.5	\$82.36
18x.75	DWTSMR112-18X.75	\$82.36
18x1	DWTSMR112-18X1	\$82.36
18x1.25	DWTSMR112-18X1.25	\$82.36
18x2	DWTSMR112-18X2	\$82.36
19x.5	DWTSMR112-19X.5	\$82.36
19x.75	DWTSMR112-19X.75	\$82.36
19x1	DWTSMR112-19X1	\$82.36
19x1.25	DWTSMR112-19X1.25	\$82.36
19x2	DWTSMR112-19X2	\$82.36
20x.5	DWTSMR112-20X.5	\$82.36
20x.75	DWTSMR112-20X.75	\$82.36
20x1	DWTSMR112-20X1	\$82.36
20x1.25	DWTSMR112-20X1.25	\$82.36
20x1.75	DWTSMR112-20X1.75	\$82.36
20x2	DWTSMR112-20X2	\$82.36

ROUND DIES

H S S M E T R I C S P E C I A L S I Z E S

2" OD DWT Series

Size	Part Number	List Price
18x1	DWTSMR2-18X1	\$148.48
18x2	DWTSMR2-18X2	\$148.48
20x1	DWTSMR2-20X1	\$148.48
20x2	DWTSMR2-20X2	\$148.48
21x1.5	DWTSMR2-21X1.5	\$148.48
21x1.75	DWTSMR2-21X1.75	\$148.48
21x2	DWTSMR2-21X2	\$148.48
22x1.25	DWTSMR2-22X1.25	\$148.48
22x2	DWTSMR2-22X2	\$148.48
23x1	DWTSMR2-23X1	\$148.48
23x2	DWTSMR2-23X2	\$148.48

Size	Part Number	List Price
23x2.5	DWTSMR2-23X2.5	\$148.48
24x1	DWTSMR2-24X1	\$148.48
24x1.5	DWTSMR2-24X1.5	\$148.48
24x2.5	DWTSMR2-24X2.5	\$148.48
25x1	DWTSMR2-25X1	\$148.48
25x1.5	DWTSMR2-25X1.5	\$148.48
25x2.5	DWTSMR2-25X2.5	\$148.48
25x3	DWTSMR2-25X3	\$148.48
26x1	DWTSMR2-26X1	\$148.48
26x1.5	DWTSMR2-26X1.5	\$148.48
26x2	DWTSMR2-26X2	\$148.48

Size	Part Number	List Price
26x2.5	DWTSMR2-26X2.5	\$148.48
26x3	DWTSMR2-26X3	\$148.48
27x1	DWTSMR2-27X1	\$148.48
27x1.25	DWTSMR2-27X1.25	\$148.48
27x1.5	DWTSMR2-27X1.5	\$148.48
27x2.5	DWTSMR2-27X2.5	\$148.48
28x2.5	DWTSMR2-28X2.5	\$148.48
30x1.5	DWTSMR2-30X1.5	\$148.48

2 - 1/2" OD DWT Series

Size	Part Number	List Price
24x1.5	DWTSMR212-24X1.5	\$227.90
26x1	DWTSMR212-26X1	\$227.90
26x1.5	DWTSMR212-26X1.5	\$227.90
27x2.5	DWTSMR212-27X2.5	\$227.90
28x1.5	DWTSMR212-28X1.5	\$227.90
28x2	DWTSMR212-28X2	\$227.90
30x1	DWTSMR212-30X1	\$227.90
30x1.25	DWTSMR212-30X1.25	\$227.90

Size	Part Number	List Price
30x1.5	DWTSMR212-30X1.5	\$227.90
30x2.5	DWTSMR212-30X2.5	\$227.90
30x3	DWTSMR212-30X3	\$227.90
32x1.5	DWTSMR212-32X1.5	\$227.90
32x2.5	DWTSMR212-32X2.5	\$227.90
32x3	DWTSMR212-32X3	\$227.90
33x1	DWTSMR212-33X1	\$227.90
34x1.5	DWTSMR212-34X1.5	\$227.90

Size	Part Number	List Price
34x3	DWTSMR212-34X3	\$227.90
34x3.5	DWTSMR212-34X3.5	\$227.90
36x1.5	DWTSMR212-36X1.5	\$227.90
36x2	DWTSMR212-36X2	\$227.90
38x1.5	DWTSMR212-38X1.5	\$227.90
38x3	DWTSMR212-38X3	\$227.90
38x4	DWTSMR212-38X4	\$227.90

3" OD DWT Series

Size	Part Number	List Price
30x1.5	DWTSMR3-30X1.5	\$306.48
39x1.5	DWTSMR3-39X1.5	\$306.48
40x1.5	DWTSMR3-40X1.5	\$306.48
42x1.5	DWTSMR3-42X1.5	\$306.48
42x3	DWTSMR3-42X3	\$306.48
42x4.5	DWTSMR3-42X4.5	\$306.48

Size	Part Number	List Price
45x1.5	DWTSMR3-45X1.5	\$306.48
45x3	DWTSMR3-45X3	\$306.48
46x4.5	DWTSMR3-46X4.5	\$306.48
48x3	DWTSMR3-48X3	\$306.48
48x5	DWTSMR3-48X5	\$306.48



ROUND DIES

HSS LEFT HAND STANDARD SIZES

13/16" OD DWT Series

Size	Part Number	List Price
2-56	DWTH1316-256LH	\$33.52
4-36	DWTH1316-436LH	\$33.52
4-40	DWTH1316-440LH	\$33.52
4-48	DWTH1316-448LH	\$33.52
5-40	DWTH1316-540LH	\$33.52
5-44	DWTH1316-544LH	\$33.52
6-32	DWTH1316-632LH	\$33.52
6-40	DWTH1316-640LH	\$33.52
8-32	DWTH1316-832LH	\$33.52
8-36	DWTH1316-836LH	\$33.52
10-24	DWTH1316-1024LH	\$33.52
10-32	DWTH1316-1032LH	\$33.52
12-24	DWTH1316-1224LH	\$33.52
12-28	DWTH1316-1228LH	\$33.52
1/4"-20	DWTH1316-1420LH	\$33.52
1/4"-28	DWTH1316-1428LH	\$33.52
5/16"-18	DWTH1316-51618LH	\$33.52
5/16"-24	DWTH1316-51624LH	\$33.52

1" OD DWT Series

Size	Part Number	List Price
5-44	DWTH1-544LH	\$38.46
6-32	DWTH1-632LH	\$38.46
6-40	DWTH1-640LH	\$38.46
8-32	DWTH1-832LH	\$38.46
8-36	DWTH1-836LH	\$38.46
10-24	DWTH1-1024LH	\$38.46
10-32	DWTH1-1032LH	\$38.46
12-24	DWTH1-1224LH	\$38.46
12-28	DWTH1-1228LH	\$38.46
1/4"-20	DWTH1-1420LH	\$38.46
1/4"-28	DWTH1-1428LH	\$38.46
5/16"-18	DWTH1-51618LH	\$38.46
5/16"-24	DWTH1-51624LH	\$38.46
3/8"-16	DWTH1-3816LH	\$38.46
3/8"-24	DWTH1-3824LH	\$38.46
7/16"-14	DWTH1-71614LH	\$38.46
7/16"-20	DWTH1-71620LH	\$38.46
1/2"-13	DWTH1-1213LH	\$38.46
1/2"-20	DWTH1-1220LH	\$38.46

1 - 1/2" OD DWT Series

Size	Part Number	List Price
1/4"-20	DWTH112-1420LH	\$59.93
1/4"-28	DWTH112-1428LH	\$59.93
5/16"-18	DWTH112-51618LH	\$59.93
5/16"-24	DWTH112-51624LH	\$59.93
3/8"-16	DWTH112-3816LH	\$59.93
3/8"-24	DWTH112-3824LH	\$59.93
7/16"-14	DWTH112-71614LH	\$59.93
7/16"-20	DWTH112-71620LH	\$59.93
1/2"-13	DWTH112-1213LH	\$59.93
1/2"-20	DWTH112-1220LH	\$59.93
9/16"-12	DWTH112-91612LH	\$59.93
9/16"-18	DWTH112-91618LH	\$59.93
5/8"-11	DWTH112-5811LH	\$59.93
5/8"-18	DWTH112-5818LH	\$59.93
11/16"-11	DWTH112-111611LH	\$59.93
11/16"-16	DWTH112-111616LH	\$59.93
3/4"-10	DWTH112-3410LH	\$59.93
3/4"-16	DWTH112-3416LH	\$59.93

2" OD DWT Series

Size	Part Number	List Price
9/16"-12	DWTH2-91612LH	\$128.18
9/16"-18	DWTH2-91618LH	\$128.18
5/8"-11	DWTH2-5811LH	\$128.18
5/8"-18	DWTH2-5818LH	\$128.18
3/4"-10	DWTH2-3410LH	\$128.18
3/4"-16	DWTH2-3416LH	\$128.18
7/8"-9	DWTH2-789LH	\$128.18
7/8"-14	DWTH2-7814LH	\$128.18
1"-8	DWTH2-18LH	\$128.18
1"-12	DWTH2-112LH	\$128.18
1"-14	DWTH2-114LH	\$128.18

2 - 1/2" OD DWT Series

Size	Part Number	List Price
1-1/8"-7	DWTH212-1187LH	\$153.81
1-1/8"-12	DWTH212-11812LH	\$153.81
1-1/4"-7	DWTH212-1147LH	\$153.81
1-1/4"-12	DWTH212-11412LH	\$153.81
1-3/8"-6	DWTH212-1386LH	\$153.81
1-3/8"-12	DWTH212-13812LH	\$153.81
1-1/2"-6	DWTH212-1126LH	\$153.81
1-1/2"-12	DWTH212-11212LH	\$153.81



ROUND DIES

H S S N P T T H R E A D S I Z E S

1" OD DWT Series		
Size	Part Number	List Price
1/16"NPT	DWTH1-116NPT	\$25.29
1/8"NPT	DWTH1-18NPT	\$25.29

1 - 1/2" OD DWT Series		
Size	Part Number	List Price
1/8"NPT	DWTH112-18NPT	\$40.68
1/4"NPT	DWTH112-14NPT	\$40.68
3/8"NPT	DWTH112-38NPT	\$40.68
1/2"NPT	DWTH112-12NPT	\$40.68

2" OD DWT Series		
Size	Part Number	List Price
3/8"NPT	DWTH2-38NPT	\$74.16
1/2"NPT	DWTH2-12NPT	\$74.16
3/4"NPT	DWTH2-34NPT	\$74.16

2 - 1/2" OD DWT Series		
Size	Part Number	List Price
3/4"NPT	DWTH212-34NPT	\$104.56
1"NPT	DWTH212-1NPT	\$104.56

3" OD DWT Series		
Size	Part Number	List Price
1-1/4"NPT	DWTH3-114NPT	\$176.98
1-1/2"NPT	DWTH3-112NPT	\$176.98



H S S N P S T H R E A D S I Z E S

1" OD DWT Series		
Size	Part Number	List Price
1/16"NPS	DWTH1-116NPS	\$29.10
1/8"NPS	DWTH1-18NPS	\$29.10

1 - 1/2" OD DWT Series		
Size	Part Number	List Price
1/8"NPS	DWTH112-18NPS	\$44.11
1/4"NPS	DWTH112-14NPS	\$44.11
3/8"NPS	DWTH112-38NPS	\$44.11
1/2"NPS	DWTH112-12NPS	\$44.11

2" OD DWT Series		
Size	Part Number	List Price
3/8"NPS	DWTH2-38NPS	\$89.92
1/2"NPS	DWTH2-12NPS	\$89.92
3/4"NPS	DWTH2-34NPS	\$89.92

2 - 1/2" OD DWT Series		
Size	Part Number	List Price
3/4"NPS	DWTH212-34NPS	\$110.66
1"NPS	DWTH212-1NPS	\$110.66

3" OD DWT Series		
Size	Part Number	List Price
1-1/4"NPS	DWTH3-114NPS	\$185.96
1-1/2"NPS	DWTH3-112NPS	\$185.96

DWT Series		
Size	Part Number	List Price
5/8"	DWTDS5/8	\$11.17
13/16"	DWTDS13/16	\$11.17
1"	DWTDS1INCH	\$13.15
1-1/2"	DWTDS1-1/2	\$18.77
2"	DWTDS2INCH	\$25.84
2-1/2"	DWTDS2-1/2	\$51.69
3"	DWTDS3INCH	\$75.47

D I E S T O C K S



CARBIDE TIPPED HOLE CUTTERS

DMS Series - 3/16" Depth of Cut

CTH Series - 1" Depth of Cut

Carbide Tipped Hole Cutters provide an easy and efficient way to drill larger diameter holes without requiring large drill bits and extra large chucks.

*3PC SET (7/8", 1-1/8" and 1-3/8") *6PC SET (5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2", 2 Pilot Drills and Allen Keys)

*8 PC DMS SET (7/8", 1-1/8", 1-3/8", 1-3/4", 2", 2-1/2", Pilot Drill, Hex Key) *8 PC CTH SET (5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2 Pilot Drills and Allen Keys) *8mm Pilot - CTH sizes 2-3/8"

DMS Series			CTH Series		
Size	Part Number	Shank	List Price	Part Number	List Price
9/16"	--	--	--	CTH0562	1/2" \$61.89
5/8"	DMS04-8016	7/16"	\$51.57	CTH0625	1/2" \$61.89
11/16"	DMS04-8017	7/16"	\$51.57	CTH0687	1/2" \$61.89
3/4"	DMS04-8019	7/16"	\$51.57	CTH0750	1/2" \$61.89
13/16"	DMS04-8021	7/16"	\$53.80	CTH0812	1/2" \$64.56
7/8"	DMS04-8022	7/16"	\$53.80	CTH0875	1/2" \$64.56
15/16"	DMS04-8024	7/16"	\$62.43	CTH0937	1/2" \$74.92
1"	DMS04-8025	7/16"	\$62.43	CTH1000	1/2" \$74.92
1-1/16"	DMS04-8027	7/16"	\$69.40	CTH1062	1/2" \$83.28
1-1/8"	DMS04-8028	7/16"	\$69.40	CTH1125	1/2" \$83.28
1-3/16"	DMS04-8030	7/16"	\$72.19	CTH1187	1/2" \$86.63
1-1/4"	DMS04-8032	7/16"	\$72.19	CTH1250	1/2" \$86.63
1-5/16"	DMS04-8033	7/16"	\$83.18	CTH1312	1/2" \$99.82
1-3/8"	DMS04-8035	7/16"	\$83.18	CTH1375	1/2" \$99.82
1-7/16"	DMS04-8037	7/16"	\$91.98	CTH1437	1/2" \$110.37
1-1/2"	DMS04-8038	7/16"	\$91.98	CTH1500	1/2" \$110.37
1-9/16"	DMS04-8040	7/16"	\$100.34	CTH1562	1/2" \$120.42
1-5/8"	DMS04-8041	7/16"	\$100.34	CTH1625	1/2" \$120.42
1-11/16"	DMS04-8043	7/16"	\$100.34	CTH1687	1/2" \$120.42
1-3/4"	DMS04-8044	7/16"	\$100.34	CTH1750	1/2" \$120.42
1-13/16"	DMS04-8046	7/16"	\$103.96	CTH1812	1/2" \$124.75
1-7/8"	DMS04-8048	7/16"	\$103.96	CTH1875	1/2" \$124.75
1-15/16"	DMS04-8050	7/16"	\$103.96	CTH1937	1/2" \$124.75
2"	DMS04-8051	7/16"	\$103.96	CTH2000	1/2" \$124.75
2-1/16"	DMS04-8052	7/16"	\$105.93	CTH2062	1/2" \$127.12
2-1/8"	DMS04-8054	7/16"	\$105.93	CTH2125	1/2" \$127.12
2-3/16"	DMS04-8055	7/16"	\$115.96	CTH2187	1/2" \$139.14
2-1/4"	DMS04-8057	7/16"	\$115.96	CTH2250	1/2" \$139.14
2-5/16"	DMS04-8059	1/2"	\$120.42	CTH2312	1/2" \$144.50
2-3/8"	DMS04-8060	1/2"	\$120.42	CTH2375	1/2" \$144.50
2-7/16"	DMS04-8062	1/2"	\$126.01	CTH2437	1/2" \$151.21
2-1/2"	DMS04-8064	1/2"	\$126.01	CTH2500	1/2" \$151.21
2-9/16"	DMS04-8065	1/2"	\$136.59	CTH2562	1/2" \$163.90
2-5/8"	DMS04-8067	1/2"	\$136.59	CTH2625	1/2" \$163.90
2-11/16"	DMS04-8068	1/2"	\$144.94	CTH2687	1/2" \$173.93
2-3/4"	DMS04-8070	1/2"	\$144.94	CTH2750	1/2" \$173.93
2-13/16"	DMS04-8071	1/2"	\$157.20	CTH2812	1/2" \$188.64
2-7/8"	DMS04-8073	1/2"	\$157.20	CTH2875	1/2" \$188.64
2-15/16"	DMS04-8075	1/2"	\$157.20	CTH2937	1/2" \$188.64
3"	DMS04-8076	1/2"	\$157.20	CTH3000	1/2" \$188.64
3-1/16"	--	--	--	CTH3062	1/2" \$188.64
3-1/8"	--	--	--	CTH3125	1/2" \$188.64
3-3/16"	--	--	--	CTH3187	1/2" \$208.52
3-1/4"	--	--	--	CTH3250	1/2" \$208.52
3-5/16"	--	--	--	CTH3312	1/2" \$208.52
3-3/8"	--	--	--	CTH3375	1/2" \$218.45
3-7/16"	--	--	--	CTH3437	1/2" \$218.45
3-1/2"	--	--	--	CTH3500	1/2" \$218.45
3-9/16"	--	--	--	CTH3562	1/2" \$218.45
3-5/8"	--	--	--	CTH3625	1/2" \$229.18
3-11/16"	--	--	--	CTH3687	1/2" \$229.18
3-3/4"	--	--	--	CTH3750	1/2" \$229.18
3-13/16"	--	--	--	CTH3812	1/2" \$235.14
3-7/8"	--	--	--	CTH3875	1/2" \$235.14
3-15/16"	--	--	--	CTH3937	1/2" \$235.14
4"	--	--	--	CTH4000	1/2" \$265.49
4-1/16"	--	--	--	CTH4062	1/2" \$343.68
4-1/8"	--	--	--	CTH4125	1/2" \$343.68
4-3/16"	--	--	--	CTH4187	1/2" \$392.16
4-1/4"	--	--	--	CTH4250	1/2" \$392.16
4-5/16"	--	--	--	CTH4312	1/2" \$392.16
4-3/8"	--	--	--	CTH4375	1/2" \$414.87
4-7/16"	--	--	--	CTH4437	1/2" \$414.87
4-1/2"	--	--	--	CTH4500	1/2" \$414.87
4-9/16"	--	--	--	CTH4562	1/2" \$442.30
4-5/8"	--	--	--	CTH4625	1/2" \$442.30
4-11/16"	--	--	--	CTH4687	1/2" \$442.30
*3 PC SET	DMS04-8204	--	\$250.87	--	--
*6 PC SET	DMS04-8206	--	\$374.50	--	--
*8 PC SET	DMS04-8208	--	\$585.34	CTH5000	1/2" \$695.50
6MM PILOT	DMS04-PILOT	--	\$5.35	CTH6MM-PILOT	-- \$6.37
*8MM PILOT	--	--	--	CTH8MM-PILOT	-- \$8.35



ANNULAR CUTTERS

DWC Series - HSS Annular cutters

Designed for fast, efficient hole making. Universal cutters cut only that material necessary to produce a quality hole. Pilot pin included with each cutter. *Sets include sizes: 9/16", 11/16", 13/16", 15/16" and 1-1/16".

1" DOC			2" DOC		3" DOC	
Size	Part Number	List Price	Part Number	List Price	Part Number	List Price
7/16"	DWC5-530-110	\$48.62	DWC5-530-210	\$65.39	-	-
1/2"	DWC5-530-111	\$50.52	DWC5-530-211	\$66.45	-	-
9/16"	DWC5-530-113	\$51.17	DWC5-530-213	\$71.55	-	-
5/8"	DWC5-530-116	\$53.07	DWC5-530-216	\$77.91	-	-
11/16"	DWC5-530-119	\$59.23	DWC5-530-219	\$82.37	-	-
3/4"	DWC5-530-121	\$65.17	DWC5-530-221	\$87.69	-	-
13/16"	DWC5-530-124	\$67.52	DWC5-530-224	\$94.48	DWC5-530-324	\$193.88
7/8"	DWC5-530-127	\$71.34	DWC5-530-227	\$102.34	DWC5-530-327	\$199.50
15/16"	DWC5-530-130	\$74.95	DWC5-530-230	\$107.64	DWC5-530-330	\$205.35
1"	DWC5-530-133	\$79.41	DWC5-530-233	\$114.01	DWC5-530-333	\$214.01
1-1/16"	DWC5-530-136	\$85.99	DWC5-530-236	\$126.75	DWC5-530-336	\$197.45
1-1/8"	DWC5-530-139	\$90.87	DWC5-530-239	\$135.46	DWC5-530-339	\$257.32
1-3/16"	DWC5-530-142	\$91.51	DWC5-530-242	\$140.56	DWC5-530-342	\$265.43
1-1/4"	DWC5-530-145	\$95.54	DWC5-530-245	\$145.85	DWC5-530-345	\$272.60
1-5/16"	DWC5-530-148	\$101.70	DWC5-530-248	\$153.71	DWC5-530-348	\$286.62
1-3/8"	DWC5-530-151	\$131.41	DWC5-530-251	\$161.78	DWC5-530-351	\$301.91
1-7/16"	DWC5-530-154	\$145.65	DWC5-530-254	\$222.79	DWC5-530-354	\$331.20
1-1/2"	DWC5-530-157	\$155.41	DWC5-530-257	\$193.63	DWC5-530-357	\$365.60
1-9/16"	DWC5-530-160	\$173.03	DWC5-530-260	\$217.62	DWC5-530-360	\$405.09
1-5/8"	DWC5-530-163	\$185.14	DWC5-530-263	\$228.23	DWC5-530-363	\$428.02
1-11/16"	DWC5-530-166	\$211.46	DWC5-530-266	\$261.15	DWC5-530-366	\$443.30
1-3/4"	DWC5-530-169	\$209.12	DWC5-530-269	\$253.70	DWC5-530-369	\$476.42
1-13/16"	DWC5-530-172	\$277.70	DWC5-530-272	\$328.65	DWC5-530-372	\$527.38
1-7/8"	DWC5-530-175	\$247.34	DWC5-530-275	\$336.30	DWC5-530-375	\$550.31
1-15/16"	DWC5-530-178	\$261.15	DWC5-530-278	\$351.58	DWC5-530-378	\$575.78
2"	DWC5-530-181	\$280.25	DWC5-530-281	\$306.79	DWC5-530-381	\$593.62
2-1/16"	DWC5-530-183	\$375.79	DWC5-530-283	\$440.75	DWC5-530-383	\$741.38
Pilot	DWC5-530-905	\$11.04	DWC5-530-915	\$440.75	DWC5-530-925	\$14.02
*Set	DWC5-530-501	\$339.20	DWC5-530-502	\$477.00	-	-



CARBIDE TIPPED

CTC Series - Carbide Tipped Annular cutters

1-3/8" DOC			2" DOC		3" DOC	
Size	Part Number	List Price	Part Number	List Price	Part Number	List Price
1/2"	CTC5-530-111	\$90.95	-	-	-	-
9/16"	CTC5-530-113	\$90.95	CTC5-530-213	\$105.27	-	-
5/8"	CTC5-530-116	\$90.95	CTC5-530-216	\$105.27	-	-
11/16"	CTC5-530-119	\$90.95	CTC5-530-219	\$105.27	-	-
3/4"	CTC5-530-121	\$90.95	CTC5-530-221	\$105.27	CTC5-530-321	\$224.49
13/16"	CTC5-530-124	\$94.89	CTC5-530-224	\$115.20	CTC5-530-324	\$224.49
7/8"	CTC5-530-127	\$94.89	CTC5-530-227	\$121.73	CTC5-530-327	\$231.00
15/16"	CTC5-530-130	\$94.89	CTC5-530-230	\$124.63	CTC5-530-330	\$237.77
1"	CTC5-530-133	\$109.84	CTC5-530-233	\$132.01	CTC5-530-333	\$247.80
1-1/16"	CTC5-530-136	\$109.82	CTC5-530-236	\$146.77	CTC5-530-336	\$228.63
1-1/8"	CTC5-530-139	\$114.42	CTC5-530-239	\$156.85	CTC5-530-339	\$297.94
1-3/16"	CTC5-530-142	\$137.33	CTC5-530-242	\$162.75	CTC5-530-342	\$307.34
1-1/4"	CTC5-530-145	\$137.33	CTC5-530-245	\$168.88	CTC5-530-345	\$315.65
1-5/16"	CTC5-530-148	\$137.33	CTC5-530-248	\$177.97	CTC5-530-348	\$331.88
1-3/8"	CTC5-530-151	\$157.47	CTC5-530-251	\$187.33	CTC5-530-351	\$349.58
1-1/2"	CTC5-530-157	\$188.98	CTC5-530-257	\$224.19	CTC5-530-357	\$423.33
1-5/8"	CTC5-530-163	\$229.60	CTC5-530-263	\$264.26	CTC5-530-363	\$495.59
1-3/4"	CTC5-530-169	\$258.96	CTC5-530-269	\$293.76	CTC5-530-369	\$551.65
2"	CTC5-530-181	\$345.67	CTC5-530-281	\$355.23	CTC5-530-381	\$687.35
Pilot	CTC5-530-905	\$13.25	CTC5-530-915	\$13.25	CTC5-530-925	\$14.76



HSS nACo NANO-COMPOSITE COATED BLUE ANNULAR CUTTERS WITH PILOT PIN

ANC Series - nACo Annular Cutters

Drill America ANC Series Annular Cutters are for use with hard materials including steel, cast iron, heated and stainless steels. nACo Nano Coating permits better performance and longevity providing extra protection against oxidation, high heat and tool wear. This micro-thin coating helps keep the tool's sharpness, edge and lubricity. These cutters are made of M2 High Speed Steel, have a 3/4" Weldon Shank for use with most magnetic drill presses and come with a pilot pin. Sets include sizes: 9/16", 11/16", 13/16", 15/16" and 1-1/16".

1" DOC			2" DOC		3" DOC	
Size	Part Number	List Price	Part Number	List Price	Part Number	List Price
7/16"	ANC5-530-110	\$55.92	ANC5-530-210	\$75.20	-	-
1/2"	ANC5-530-111	\$58.10	ANC5-530-211	\$76.42	-	-
9/16"	ANC5-530-113	\$58.84	ANC5-530-213	\$82.29	-	-
5/8"	ANC5-530-116	\$61.03	ANC5-530-216	\$89.60	-	-
11/16"	ANC5-530-119	\$68.12	ANC5-530-219	\$94.73	-	-
3/4"	ANC5-530-121	\$74.94	ANC5-530-221	\$100.84	-	-
13/16"	ANC5-530-124	\$77.66	ANC5-530-224	\$108.65	ANC5-530-324	\$222.96
7/8"	ANC5-530-127	\$82.04	ANC5-530-227	\$117.69	ANC5-530-327	\$229.42
15/16"	ANC5-530-130	\$86.20	ANC5-530-230	\$123.79	ANC5-530-330	\$236.15
1"	ANC5-530-133	\$91.33	ANC5-530-233	\$131.11	ANC5-530-333	\$246.10
1-1/16"	ANC5-530-136	\$98.89	ANC5-530-236	\$145.77	ANC5-530-336	\$227.07
1-1/8"	ANC5-530-139	\$104.51	ANC5-530-239	\$155.78	ANC5-530-339	\$295.91
1-3/16"	ANC5-530-142	\$105.24	ANC5-530-242	\$161.64	ANC5-530-342	\$305.24
1-1/4"	ANC5-530-145	\$109.88	ANC5-530-245	\$167.73	ANC5-530-345	\$313.50
1-5/16"	ANC5-530-148	\$116.95	ANC5-530-248	\$176.77	ANC5-530-348	\$329.62
1-3/8"	ANC5-530-151	\$151.13	ANC5-530-251	\$186.05	ANC5-530-351	\$347.19
1-7/16"	ANC5-530-154	\$167.50	ANC5-530-254	\$256.21	ANC5-530-354	\$380.89
1-1/2"	ANC5-530-157	\$178.72	ANC5-530-257	\$222.67	ANC5-530-357	\$420.45
1-9/16"	ANC5-530-160	\$198.99	ANC5-530-260	\$250.27	ANC5-530-360	\$465.85
1-5/8"	ANC5-530-163	\$212.91	ANC5-530-263	\$262.47	ANC5-530-363	\$492.22
1-11/16"	ANC5-530-166	\$243.17	ANC5-530-266	\$300.31	ANC5-530-366	\$509.80
1-3/4"	ANC5-530-169	\$240.49	ANC5-530-269	\$291.75	ANC5-530-369	\$547.88
1-13/16"	ANC5-530-172	\$319.36	ANC5-530-272	\$377.95	ANC5-530-372	\$606.48
1-7/8"	ANC5-530-175	\$284.44	ANC5-530-275	\$386.74	ANC5-530-375	\$632.85
1-15/16"	ANC5-530-178	\$300.31	ANC5-530-278	\$404.32	ANC5-530-378	\$662.15
2"	ANC5-530-181	\$322.29	ANC5-530-281	\$352.81	ANC5-530-381	\$682.66
2-1/16"	ANC5-530-183	\$432.16	ANC5-530-283	\$506.87	ANC5-530-383	\$852.59
*Set	ANC5-530-501	\$390.08	ANC5-530-502	\$548.55	-	-



HOLE SAWS

BI-METAL HOLE SAWS

DMS Series

Variable pitch teeth allow for cutting thru any wood, metal or plastic. Can be used in a wide variety of applications.

DMS Series				DMS Series			
Size	Size MM	Part Number	List Price	Size	Size MM	Part Number	List Price
9/16"	14	DMS04-1014	\$10.72	2-5/16"	59	DMS04-1059	\$20.62
5/8"	16	DMS04-1016	\$10.72	2-3/8"	60	DMS04-1060	\$20.62
11/16"	17	DMS04-1017	\$10.72	2-1/2"	64	DMS04-1064	\$20.62
3/4"	19	DMS04-1019	\$10.72	2-9/16"	65	DMS04-1065	\$21.02
13/16"	21	DMS04-1021	\$10.72	2-5/8"	67	DMS04-1067	\$21.02
7/8"	22	DMS04-1022	\$10.72	2-3/4"	70	DMS04-1070	\$22.10
15/16"	24	DMS04-1024	\$10.72	2-7/8"	73	DMS04-1073	\$23.81
1"	25	DMS04-1025	\$10.72	3"	76	DMS04-1076	\$23.81
1-1/16"	27	DMS04-1027	\$12.00	3-1/8"	79	DMS04-1079	\$27.32
1-1/8"	28	DMS04-1028	\$12.00	3-1/4"	83	DMS04-1083	\$28.68
1-3/16"	30	DMS04-1030	\$12.00	3-3/8"	86	DMS04-1086	\$29.76
1-1/4"	32	DMS04-1032	\$12.18	3-1/2"	89	DMS04-1089	\$30.24
1-5/16"	33	DMS04-1033	\$12.18	3-5/8"	92	DMS04-1092	\$30.44
1-3/8"	35	DMS04-1035	\$13.05	3-3/4"	95	DMS04-1095	\$32.15
1-7/16"	37	DMS04-1037	\$13.05	3-7/8"	98	DMS04-1098	\$35.01
1-1/2"	38	DMS04-1038	\$13.05	4"	102	DMS04-1102	\$35.50
1-9/16"	40	DMS04-1040	\$13.05	4-1/8"	105	DMS04-1105	\$37.21
1-5/8"	41	DMS04-1041	\$13.05	4-1/4"	108	DMS04-1108	\$38.51
1-11/16"	43	DMS04-1043	\$13.05	4-3/8"	111	DMS04-1111	\$40.48
1-3/4"	44	DMS04-1044	\$16.09	4-1/2"	114	DMS04-1114	\$43.34
1-13/16"	46	DMS04-1046	\$16.09	4-3/4"	121	DMS04-1121	\$48.15
1-7/8"	48	DMS04-1048	\$16.09	5"	127	DMS04-1127	\$52.50
2"	51	DMS04-1051	\$16.09	5-1/4"	133	DMS04-1133	\$60.42
2-1/16"	52	DMS04-1052	\$18.84	5-1/2"	140	DMS04-1140	\$61.25
2-1/8"	54	DMS04-1054	\$18.84	5-3/4"	146	DMS04-1146	\$67.74
2-1/4"	57	DMS04-1057	\$19.46	6"	152	DMS04-1152	\$74.41



ARBORS & PILOTS

DMS Series

Shank Size	Description	Part Number	List Price
7/16"	Hex Shank Arbor, Fits 1-1/4"-6	DMS04-9002	\$31.93
3/8"	Hex Shank Quick Lock Arbor, Fits 1-1/4"-6	DMS04-9004	\$27.08
1/4"	Round Shank Arbor, Fits 9/16"-1-1/8"	DMS04-9005	\$14.11
3/8"	Hex Shank Arbor, Fits 9/16"-1-1/8"	DMS04-9006	\$14.11
7/16"	Hex Shank Arbor, Fits 9/16"-1-1/8"	DMS04-9007	\$14.59
1/4"	4-1/2" O.A.L. Standard Pilot Bit	DMS04-9014	\$3.57
1/4"	3-1/2" O.A.L. Standard Pilot Bit	DMS04-9015	\$3.57



KITS

DMS Series

No. of Pieces	No. of Hole Saws	Range	No. of Arbors	No. of Pilots	Part Number	List Price
9	6	7/8"-2-1/2"	2	1	DMS04-9108	\$117.27
14	11	3/4"-3"	2	1	DMS04-9114	\$186.37
16	11	7/8"-4-1/2"	3	1	DMS04-9115	\$253.87
9	6	3/4"-2-1/4"	2	1	DMS04-9308	\$111.07

Hole Saw sizes included in Kit

ELECTRICIANS KIT 04-9108

7/8", 1-1/8", 1-3/8", 1-3/4", 2", 2-1/2"

MASTER ELECTRICIAN KIT 04-9115

7/8", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/2", 3", 3-5/8", 4-1/8", 4-1/2"

INDUSTRIAL KIT 04-9114

3/4", 7/8", 1", 1-1/4", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 3"

PLUMBERS KIT 04-9308

3/4", 7/8", 1-1/8", 1-1/2", 1-3/4", 2-1/4"



COUNTERBORES

DEWCBR Series - HSS

Counterboring is the enlargement of a portion of a hole that has previously been formed. If the counterbored portion is shallow (1/8" or less), the operation is usually known as spot-facing; for example, a flat seat for a bolt head or nut. If, on the other hand, the hole is enlarged to a considerable depth, it is designated as counterboring. These counterbores are made of two-piece construction, having an integral shank and counterbore-cutter, and a pilot that is interchangeable, which provides flexibility in the use of the tool.

STRAIGHT SHANK

DEW Series



Size	Shank Size	Pilot Hole	O.A.L.	Part Number	List Price	Size	Shank Size	Pilot Hole	O.A.L.	Part Number	List Price
3/16"	15/64"	3/32"	3"	DEWCBR3/16	\$39.16	51/64"	5/8"	1/4"	5-3/8"	DEWCBR51/64	\$75.70
13/64"	15/64"	3/32"	3"	DEWCBR13/64	\$44.93	13/16"	5/8"	1/4"	5-3/8"	DEWCBR13/16	\$69.10
7/32"	15/64"	3/32"	3"	DEWCBR7/32	\$39.16	53/64"	3/4"	1/4"	5-3/8"	DEWCBR53/64	\$80.71
15/64"	15/64"	3/32"	3"	DEWCBR15/64	\$44.93	27/32"	3/4"	1/4"	5-3/8"	DEWCBR27/32	\$75.86
1/4"	15/64"	3/32"	3-13/16"	DEWCBR1/4	\$42.18	55/64"	3/4"	1/4"	5-3/8"	DEWCBR55/64	\$80.71
17/64"	17/64"	3/32"	3-13/16"	DEWCBR17/64	\$44.93	7/8"	3/4"	1/4"	5-3/8"	DEWCBR7/8	\$72.37
9/32"	17/64"	3/32"	3-13/16"	DEWCBR9/32	\$42.18	57/64"	3/4"	1/4"	6-1/8"	DEWCBR57/64	\$82.82
19/64"	17/64"	3/32"	3-13/16"	DEWCBR19/64	\$46.74	29/32"	3/4"	1/4"	6-1/8"	DEWCBR29/32	\$75.94
5/16"	19/64"	3/32"	3-13/16"	DEWCBR5/16	\$43.20	59/64"	3/4"	1/4"	6-1/8"	DEWCBR59/64	\$82.82
21/64"	5/16"	3/32"	3-13/16"	DEWCBR21/64	\$48.35	15/16"	3/4"	1/4"	6-1/8"	DEWCBR15/16	\$75.94
11/32"	5/16"	3/32"	3-13/16"	DEWCBR11/32	\$44.28	61/64"	3/4"	1/4"	6-3/8"	DEWCBR61/64	\$91.38
23/64"	5/16"	3/32"	4-1/16"	DEWCBR23/64	\$48.35	31/32"	3/4"	5/16"	6-3/8"	DEWCBR31/32	\$91.04
3/8"	5/16"	5/32"	4-1/16"	DEWCBR3/8	\$44.28	63/64"	3/4"	5/16"	6-3/8"	DEWCBR63/64	\$95.21
25/64"	3/8"	5/32"	4-1/16"	DEWCBR25/64	\$49.60	1"	3/4"	5/16"	6-3/8"	DEWCBR1INCH	\$91.04
13/32"	3/8"	5/32"	4-1/16"	DEWCBR13/32	\$46.89	1-1/16"	3/4"	5/16"	6-3/8"	DEWCBR1-1/16	\$104.43
27/64"	3/8"	5/32"	4-1/16"	DEWCBR27/64	\$49.60	1-1/8"	1"	5/16"	6-3/8"	DEWCBR1-1/8	\$108.84
7/16"	3/8"	5/32"	4-1/16"	DEWCBR7/16	\$46.89	1-3/16"	1"	5/16"	6-3/8"	DEWCBR1-3/16	\$114.04
29/64"	7/16"	5/32"	4-5/16"	DEWCBR29/64	\$53.07	1-1/4"	1"	3/8"	6-5/8"	DEWCBR1-1/4	\$133.84
15/32"	7/16"	3/16"	4-5/16"	DEWCBR15/32	\$49.56	1-5/16"	1"	3/8"	6-5/8"	DEWCBR1-5/16	\$152.31
31/64"	7/16"	3/16"	4-5/16"	DEWCBR31/64	\$53.07	1-3/8"	1"	3/8"	6-5/8"	DEWCBR1-3/8	\$152.31
1/2"	7/16"	3/16"	4-5/16"	DEWCBR1/2	\$49.56	1-7/16"	1-1/4"	3/8"	7-7/8"	DEWCBR1-7/16	\$170.71
33/64"	1/2"	3/16"	4-5/16"	DEWCBR33/64	\$59.75	1-1/2"	1-1/4"	3/8"	7-7/8"	DEWCBR1-1/2	\$173.99
17/32"	1/2"	3/16"	4-5/16"	DEWCBR17/32	\$55.09	1-9/16"	1-1/4"	7/16"	8-1/8"	DEWCBR1-9/16	\$237.07
35/64"	1/2"	3/16"	4-5/16"	DEWCBR35/64	\$62.16	1-5/8"	1-1/4"	7/16"	8-1/8"	DEWCBR1-5/8	\$237.07
9/16"	1/2"	3/16"	4-5/16"	DEWCBR9/16	\$55.09	1-11/16"	1-1/4"	7/16"	8-1/8"	DEWCBR1-11/16	\$254.92
37/64"	1/2"	3/16"	5-1/8"	DEWCBR37/64	\$65.16	1-3/4"	1-1/4"	7/16"	8-1/8"	DEWCBR1-3/4	\$254.92
19/32"	1/2"	3/16"	5-1/8"	DEWCBR19/32	\$58.77	1-13/16"	1-1/4"	7/16"	8-1/8"	DEWCBR1-13/16	\$280.56
39/64"	1/2"	3/16"	5-1/8"	DEWCBR39/64	\$65.15	1-7/8"	1-1/4"	7/16"	8-1/8"	DEWCBR1-7/8	\$280.56
5/8"	1/2"	3/16"	5-1/8"	DEWCBR5/8	\$58.77	1-15/16"	1-1/4"	7/16"	8-1/8"	DEWCBR1-15/16	\$317.19
41/64"	1/2"	3/16"	5-1/8"	DEWCBR41/64	\$69.56	2"	1-1/2"	1/2"	8-3/8"	DEWCBR2INCH	\$323.18
21/32"	1/2"	3/16"	5-1/8"	DEWCBR21/32	\$64.93	2-1/4"	1-1/2"	1/2"	9-7/8"	DEWCBR2-1/4	\$447.04
43/64"	1/2"	3/16"	5-1/8"	DEWCBR43/64	\$69.56	2-1/2"	1-3/4"	1/2"	9-7/8"	DEWCBR2-1/2	\$510.89
11/16"	1/2"	3/16"	5-1/8"	DEWCBR11/16	\$64.93	2-3/4"	1-3/4"	1/2"	9-7/8"	DEWCBR2-3/4	\$667.24
45/64"	1/2"	1/4"	5-3/8"	DEWCBR45/64	\$71.28	2-7/8"	1-3/4"	1/2"	9-7/8"	DEWCBR2-7/8	\$694.22
23/32"	1/2"	1/4"	5-3/8"	DEWCBR23/32	\$67.52	3"	1-3/4"	1/2"	9-7/8"	DEWCBR3INCH	\$719.88
47/64"	1/2"	1/4"	5-3/8"	DEWCBR47/64	\$71.28						
3/4"	1/2"	1/4"	5-3/8"	DEWCBR3/4	\$67.52						
49/64"	5/8"	1/4"	5-3/8"	DEWCBR49/64	\$75.70						
25/32"	5/8"	1/4"	5-3/8"	DEWCBR25/32	\$71.28						

SOLID COUNTERBORES



For fillister head cap screws.

MACHINE SCREW

DEW Series

Screw Size	Pilot Dia.	Cut Dia.	O.A.L.	Part Number	List Price
2	0.085	0.155	2-1/2"	DEWCBRSOL2	\$13.71
3	0.098	0.176	2-1/2"	DEWCBRSOL3	\$14.36
4	0.111	0.198	2-5/8"	DEWCBRSOL4	\$14.89
5	0.124	0.220	2-5/8"	DEWCBRSOL5	\$17.52
6	0.137	0.241	2-5/8"	DEWCBRSOL6	\$18.69
8	0.163	0.285	2-3/4"	DEWCBRSOL8	\$19.39
10	0.189	0.328	2-7/8"	DEWCBRSOL10	\$19.99
12	0.215	0.372	3"	DEWCBRSOL12	\$23.67

FRACTIONAL

DEW Series

Pilot Dia.	Cut Dia.	Shank Size	O.A.L.	Part Number	List Price
1/4"	13/32"	5/16"	3-5/8"	DEWCBRSOL1/4	\$33.38
5/16"	15/32"	3/8"	4"	DEWCBRSOL5/16	\$35.00
3/8"	19/32"	7/16"	4-3/8"	DEWCBRSOL3/8	\$39.01
7/16"	21/32"	1/2"	4-3/4"	DEWCBRSOL7/16	\$44.39
1/2"	25/32"	9/16"	5-1/4"	DEWCBRSOL1/2	\$48.71

COUNTERBORES

DEW Series



TAPER SHANK

Size	Pilot Hole	O.A.L.	Shank Size	Part Number	List Price
1/4"	3/32"	3-13/16"	1MT	DEWCBRTS1/4	\$44.25
9/32"	3/32"	3-13/16"	1MT	DEWCBRTS9/32	\$44.25
5/16"	3/32"	3-13/16"	1MT	DEWCBRTS5/16	\$45.48
3/8"	5/32"	4-1/16"	1MT	DEWCBRTS3/8	\$45.57
7/16"	5/32"	4-1/16"	1MT	DEWCBRTS7/16	\$48.23
1/2"	3/16"	4-5/16"	1MT	DEWCBRTS1/2	\$49.52
9/16"	3/16"	4-5/16"	1MT	DEWCBRTS9/16	\$55.53
5/8"	3/16"	5-1/8"	2MT	DEWCBRTS5/8	\$59.20
11/16"	3/16"	5-1/8"	2MT	DEWCBRTS11/16	\$65.00
3/4"	1/4"	5-3/8"	2MT	DEWCBRTS3/4	\$67.43
13/16"	1/4"	5-3/8"	2MT	DEWCBRTS13/16	\$71.20
27/32"	1/4"	5-3/8"	2MT	DEWCBRTS27/32	\$74.56
7/8"	1/4"	5-3/8"	2MT	DEWCBRTS7/8	\$74.56
15/16"	1/4"	6-1/8"	3MT	DEWCBRTS15/16	\$78.17
1"	5/16"	6-3/8"	3MT	DEWCBRTS1INCH	\$93.69
1-1/16"	5/16"	6-3/8"	3MT	DEWCBRTS1-1/16	\$107.55
1-1/8"	5/16"	6-3/8"	3MT	DEWCBRTS1-1/8	\$112.15
1-3/16"	5/16"	6-3/8"	3MT	DEWCBRTS1-3/16	\$117.31
1-1/4"	3/8"	6-5/8"	3MT	DEWCBRTS1-1/4	\$137.78
1-5/16"	3/8"	6-5/8"	3MT	DEWCBRTS1-5/16	\$146.15

Size	Pilot Hole	O.A.L.	Shank Size	Part Number	List Price
1-3/8"	3/8"	6-5/8"	3MT	DEWCBRTS1-3/8	\$152.05
1-7/16"	3/8"	7-7/8"	4MT	DEWCBRTS1-7/16	\$170.54
1-1/2"	3/8"	7-7/8"	4MT	DEWCBRTS1-1/2	\$173.81
1-9/16"	7/16"	8-1/8"	4MT	DEWCBRTS1-9/16	\$236.68
1-5/8"	7/16"	8-1/8"	4MT	DEWCBRTS1-5/8	\$236.68
1-11/16"	7/16"	8-1/8"	4MT	DEWCBRTS1-11/16	\$254.67
1-3/4"	7/16"	8-1/8"	4MT	DEWCBRTS1-3/4	\$254.67
1-13/16"	7/16"	8-1/8"	4MT	DEWCBRTS1-13/16	\$280.25
1-7/8"	7/16"	8-1/8"	4MT	DEWCBRTS1-7/8	\$280.25
1-15/16"	7/16"	8-1/8"	4MT	DEWCBRTS1-15/16	\$316.90
2"	1/2"	8-3/8"	4MT	DEWCBRTS2INCH	\$322.77
2-1/8"	1/2"	9-7/8"	5MT	DEWCBRTS2-1/8	\$434.49
2-1/4"	1/2"	9-7/8"	5MT	DEWCBRTS2-1/4	\$462.73
2-3/8"	1/2"	9-7/8"	5MT	DEWCBRTS2-3/8	\$496.63
2-1/2"	1/2"	9-7/8"	5MT	DEWCBRTS2-1/2	\$528.75
2-5/8"	1/2"	9-7/8"	5MT	DEWCBRTS2-5/8	\$651.67
2-3/4"	1/2"	9-7/8"	5MT	DEWCBRTS2-3/4	\$690.64
2-7/8"	1/2"	9-7/8"	5MT	DEWCBRTS2-7/8	\$718.57
3"	1/2"	9-7/8"	5MT	DEWCBRTS3INCH	\$745.12



DEW Series

CONTINUOUS PILOT CAP SCREW COUNTERBORES

Size	Pilot Dia.	Cutter Dia.	Shank Dia.	O.A.L.	Part Number	List Price
5	0.141	0.221	3/16"	3"	DEWCSCBR5	\$35.79
6	0.15	0.242	7/32"	3"	DEWCSCBR6	\$35.79
8	11/64"	19/64"	1/4"	3"	DEWCSCBR8	\$35.79
10	13/64"	21/64"	5/16"	3-1/2"	DEWCSCBR10	\$37.86
1/4"	9/32"	13/32"	3/8"	5"	DEWCSCBR1/4	\$44.93
5/16"	11/32"	1/2"	7/16"	5"	DEWCSCBR5/16	\$48.45
3/8"	13/32"	19/32"	1/2"	6"	DEWCSCBR3/8	\$56.97

Size	Pilot Dia.	Cutter Dia.	Shank Dia.	O.A.L.	Part Number	List Price
7/16"	15/32"	11/16"	1/2"	7"	DEWCSCBR7/16	\$64.50
1/2"	17/32"	25/32"	3/4"	7-1/2"	DEWCSCBR1/2	\$71.40
5/8"	21/32"	31/32"	3/4"	7-1/2"	DEWCSCBR5/8	\$99.97
3/4"	13/16"	1-3/16"	1"	8"	DEWCSCBR3/4	\$148.27
7/8"	15/16"	1-3/8"	1"	8"	DEWCSCBR7/8	\$222.56
1"	1-1/16"	1-9/16"	1"	8"	DEWCSCBR1INCH	\$270.06

DEW Series

AIRCRAFT COUNTERBORES (1/4" SHANK)

Size	Decimal Equiv	Pilot Hole	O.A.L.	Part Number	List Price
1/4"	0.2500	3/32"	2-3/8"	DEWA/CCBR1/4	\$45.71
9/32"	0.2813	3/32"	2-3/8"	DEWA/CCBR9/32	\$46.60
5/16"	0.3125	3/32"	2-3/8"	DEWA/CCBR5/16	\$47.14
11/32"	0.3438	3/32"	2-3/8"	DEWA/CCBR11/32	\$48.09
3/8"	0.3750	3/32"	2-3/8"	DEWA/CCBR3/8	\$48.09
13/32"	0.4063	1/8"	2-13/16"	DEWA/CCBR13/32	\$52.77
7/16"	0.4375	1/8"	2-13/16"	DEWA/CCBR7/16	\$50.64
15/32"	0.4688	1/8"	2-13/16"	DEWA/CCBR15/32	\$52.20
1/2"	0.5000	1/8"	2-13/16"	DEWA/CCBR1/2	\$53.14
17/32"	0.5313	1/8"	2-13/16"	DEWA/CCBR17/32	\$60.93
9/16"	0.5625	1/8"	2-13/16"	DEWA/CCBR9/16	\$62.02
19/32"	0.5938	1/8"	2-13/16"	DEWA/CCBR19/32	\$66.17
5/8"	0.6250	1/8"	2-13/16"	DEWA/CCBR5/8	\$66.18
21/32"	0.6563	3/16"	3-1/8"	DEWA/CCBR21/32	\$72.17
11/16"	0.6875	3/16"	3-1/8"	DEWA/CCBR11/16	\$73.03
23/32"	0.7188	3/16"	3-1/8"	DEWA/CCBR23/32	\$75.97
3/4"	0.7500	3/16"	3-1/8"	DEWA/CCBR3/4	\$76.01
25/32"	0.7813	3/16"	3-1/8"	DEWA/CCBR25/32	\$80.30
13/16"	0.8125	3/16"	3-1/8"	DEWA/CCBR13/16	\$77.76
27/32"	0.8438	3/16"	3-1/8"	DEWA/CCBR27/32	\$81.45
7/8"	0.8750	3/16"	3-1/8"	DEWA/CCBR7/8	\$81.46
29/32"	0.9063	3/16"	3-1/8"	DEWA/CCBR29/32	\$85.52
15/16"	0.9375	3/16"	3-1/8"	DEWA/CCBR15/16	\$85.53
31/32"	0.9688	3/16"	3-1/8"	DEWA/CCBR31/32	\$102.52
1"	1.0000	3/16"	3-1/8"	DEWA/CCBR1	\$103.34



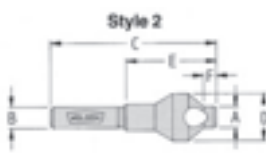
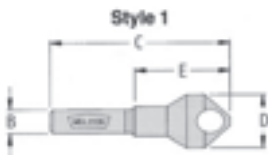
PILOTS FOR COUNTERBORES



DEWPIL Series

Size	Shank Dia.	Pilot O.A.L.	Part Number	List Price	Size	Shank Dia.	Pilot O.A.L.	Part Number	List Price
1/8"	3/32"	1-1/4"	DEWPIL1/8X3/32	\$8.86	1/2"	3/32"	1-1/4"	DEWPIL1/2X3/32	\$12.34
1/8"	1/8"	1-1/2"	DEWPIL1/8X1/8	\$8.86	1/2"	1/8"	1-1/2"	DEWPIL1/2X1/8	\$12.34
5/32"	3/32"	1-1/4"	DEWPIL5/32X3/32	\$8.86	1/2"	5/32"	1-1/2"	DEWPIL1/2X5/32	\$12.34
5/32"	1/8"	1-1/2"	DEWPIL5/32X1/8	\$8.86	1/2"	3/16"	1-3/4"	DEWPIL1/2X3/16	\$12.34
5/32"	5/32"	1-1/2"	DEWPIL5/32X5/32	\$8.86	1/2"	1/4"	1-7/8"	DEWPIL1/2X1/4	\$12.34
3/16"	3/32"	1-1/4"	DEWPIL3/16X3/32	\$8.86	1/2"	5/16"	2-1/8"	DEWPIL1/2X5/16	\$12.34
3/16"	1/8"	1-1/2"	DEWPIL3/16X1/8	\$8.86	1/2"	3/8"	2-3/8"	DEWPIL1/2X3/8	\$12.34
3/16"	5/32"	1-1/2"	DEWPIL3/16X5/32	\$8.86	1/2"	7/16"	2-5/8"	DEWPIL1/2X7/16	\$12.34
3/16"	3/16"	1-3/4"	DEWPIL3/16X3/16	\$8.86	9/16"	3/16"	1-3/4"	DEWPIL9/16X3/16	\$15.74
7/32"	3/32"	1-1/4"	DEWPIL7/32X3/32	\$10.22	9/16"	1/4"	1-7/8"	DEWPIL9/16X1/4	\$15.74
7/32"	1/8"	1-1/2"	DEWPIL7/32X1/8	\$10.22	9/16"	5/16"	2-1/8"	DEWPIL9/16X5/16	\$15.74
7/32"	5/32"	1-1/2"	DEWPIL7/32X5/32	\$10.22	9/16"	3/8"	2-3/8"	DEWPIL9/16X3/8	\$15.74
7/32"	3/16"	1-3/4"	DEWPIL7/32X3/16	\$10.22	9/16"	7/16"	2-5/8"	DEWPIL9/16X7/16	\$15.74
1/4"	3/32"	1-1/4"	DEWPIL1/4X3/32	\$10.22	9/16"	1/2"	2-3/4"	DEWPIL9/16X1/2	\$15.74
1/4"	1/8"	1-1/2"	DEWPIL1/4X1/8	\$10.22	5/8"	3/16"	1-3/4"	DEWPIL5/8X3/16	\$18.95
1/4"	5/32"	1-1/2"	DEWPIL1/4X5/32	\$10.22	5/8"	1/4"	1-7/8"	DEWPIL5/8X1/4	\$18.95
1/4"	3/16"	1-3/4"	DEWPIL1/4X3/16	\$10.22	5/8"	5/16"	2-1/8"	DEWPIL5/8X5/16	\$18.95
1/4"	1/4"	1-7/8"	DEWPIL1/4X1/4	\$10.22	5/8"	3/8"	2-3/8"	DEWPIL5/8X3/8	\$18.95
9/32"	3/32"	1-1/4"	DEWPIL9/32X3/32	\$10.99	5/8"	7/16"	2-5/8"	DEWPIL5/8X7/16	\$18.95
9/32"	1/8"	1-1/2"	DEWPIL9/32X1/8	\$10.99	5/8"	1/2"	2-3/4"	DEWPIL5/8X1/2	\$18.95
9/32"	5/32"	1-1/2"	DEWPIL9/32X5/32	\$10.99	11/16"	1/4"	1-7/8"	DEWPIL11/16X1/4	\$20.13
9/32"	3/16"	1-3/4"	DEWPIL9/32X3/16	\$10.99	11/16"	5/16"	2-1/8"	DEWPIL11/16X5/16	\$20.13
5/16"	3/32"	1-1/4"	DEWPIL5/16X3/32	\$10.99	11/16"	3/8"	2-3/8"	DEWPIL11/16X3/8	\$20.13
5/16"	1/8"	1-1/2"	DEWPIL5/16X1/8	\$10.99	11/16"	1/2"	2-3/4"	DEWPIL11/16X1/2	\$20.13
5/16"	5/32"	1-1/2"	DEWPIL5/16X5/32	\$10.99	3/4"	3/16"	1-3/4"	DEWPIL3/4X3/16	\$21.31
5/16"	3/16"	1-3/4"	DEWPIL5/16X3/16	\$10.99	3/4"	1/4"	1-7/8"	DEWPIL3/4X1/4	\$21.31
5/16"	1/4"	1-7/8"	DEWPIL5/16X1/4	\$10.99	3/4"	5/16"	2-1/8"	DEWPIL3/4X5/16	\$21.31
11/32"	3/32"	1-1/4"	DEWPIL11/32X3/32	\$10.99	3/4"	3/8"	2-3/8"	DEWPIL3/4X3/8	\$21.31
11/32"	1/8"	1-1/2"	DEWPIL11/32X1/8	\$10.99	3/4"	7/16"	2-5/8"	DEWPIL3/4X7/16	\$21.31
11/32"	3/16"	1-3/4"	DEWPIL11/32X3/16	\$10.99	3/4"	1/2"	2-3/4"	DEWPIL3/4X1/2	\$21.31
11/32"	1/4"	1-7/8"	DEWPIL11/32X1/4	\$10.99	13/16"	1/4"	1-7/8"	DEWPIL13/16X1/4	\$23.96
3/8"	3/32"	1-1/4"	DEWPIL3/8X3/32	\$10.99	13/16"	5/16"	2-1/8"	DEWPIL13/16X5/16	\$23.96
3/8"	1/8"	1-1/2"	DEWPIL3/8X1/8	\$10.99	13/16"	3/8"	2-3/8"	DEWPIL13/16X3/8	\$23.96
3/8"	5/32"	1-1/2"	DEWPIL3/8X5/32	\$10.99	13/16"	1/2"	2-3/4"	DEWPIL13/16X1/2	\$23.96
3/8"	3/16"	1-3/4"	DEWPIL3/8X3/16	\$10.99	7/8"	1/4"	1-7/8"	DEWPIL7/8X1/4	\$25.52
3/8"	1/4"	1-7/8"	DEWPIL3/8X1/4	\$10.99	7/8"	5/16"	2-1/8"	DEWPIL7/8X5/16	\$25.52
3/8"	5/16"	2-1/8"	DEWPIL3/8X5/16	\$10.99	7/8"	3/8"	2-3/8"	DEWPIL7/8X3/8	\$25.52
13/32"	1/8"	1-1/2"	DEWPIL13/32X1/8	\$12.34	7/8"	7/16"	2-5/8"	DEWPIL7/8X7/16	\$25.52
13/32"	5/32"	1-1/2"	DEWPIL13/32X5/32	\$12.34	7/8"	1/2"	2-3/4"	DEWPIL7/8X1/2	\$25.52
13/32"	3/16"	1-1/2"	DEWPIL13/32X3/16	\$12.34	15/16"	5/16"	2-1/8"	DEWPIL15/16X5/16	\$28.88
13/32"	1/4"	1-7/8"	DEWPIL13/32X1/4	\$12.34	15/16"	3/8"	2-3/8"	DEWPIL15/16X3/8	\$28.88
13/32"	5/16"	2-1/8"	DEWPIL13/32X5/16	\$12.34	15/16"	7/16"	2-5/8"	DEWPIL15/16X7/16	\$28.88
13/32"	3/8"	2-3/8"	DEWPIL13/32X3/8	\$12.34	15/16"	1/2"	2-3/4"	DEWPIL15/16X1/2	\$28.88
7/16"	3/32"	1-1/4"	DEWPIL7/16X3/32	\$12.34	1"	1/4"	1-7/8"	DEWPIL1X1/4	\$30.67
7/16"	1/8"	1-1/2"	DEWPIL7/16X1/8	\$12.34	1"	5/16"	2-1/8"	DEWPIL1X5/16	\$30.67
7/16"	5/32"	1-1/2"	DEWPIL7/16X5/32	\$12.34	1"	3/8"	2-3/8"	DEWPIL1X3/8	\$30.67
7/16"	3/16"	1-3/4"	DEWPIL7/16X3/16	\$12.34	1"	7/16"	2-5/8"	DEWPIL1X7/16	\$30.67
7/16"	1/4"	1-7/8"	DEWPIL7/16X1/4	\$12.34	1"	1/2"	2-3/4"	DEWPIL1X1/2	\$30.67
7/16"	5/16"	2-1/8"	DEWPIL7/16X5/16	\$12.34	1-1/8"	5/16"	2-1/8"	DEWPIL1-1/8X5/16	\$38.19
7/16"	3/8"	2-3/8"	DEWPIL7/16X3/8	\$12.34	1-1/8"	3/8"	2-3/8"	DEWPIL1-1/8X3/8	\$38.19
15/32"	1/8"	1-1/2"	DEWPIL15/32X1/8	\$12.34	1-1/8"	7/16"	2-5/8"	DEWPIL1-1/8X7/16	\$38.19
15/32"	3/16"	1-1/2"	DEWPIL15/32X3/16	\$12.34	1-1/8"	1/2"	2-3/4"	DEWPIL1-1/8X1/2	\$38.19
15/32"	1/4"	1-7/8"	DEWPIL15/32X1/4	\$12.34	1-3/16"	7/16"	1-7/8"	DEWPIL1-3/16X7/16	\$40.62
15/32"	5/16"	2-1/8"	DEWPIL15/32X5/16	\$12.34	1-3/16"	1/2"	2-1/8"	DEWPIL1-3/16X1/2	\$40.62

COUNTERSINKS & DEBURRING TOOLS



WELDC Series 60° DEBURRING TOOLS								
Style	Diameter of cut		Shank	O.A.L.			Part	List
	Min.	Max.	B	C	D	E	Number	Price
3	3/32"	11/64"	3/16"	1-1/2"			WELDC-6	\$24.90
3	1/8"	15/64"	1/4"	1-3/4"			WELDC-8	\$26.18
1	3/16"	13/32"	1/4"	1-3/4"	7/16"	7/8"	WELDC-14	\$29.95
1	5/16"	17/32"	1/4"	1-15/16"	9/16"	1-1/16"	WELDC-18	\$36.91
1	7/16"	25/32"	1/2"	2-11/16"	13/16"	1-7/16"	WELDC-26	\$63.89
1	7/16"	25/32"	1/4"	2-1/8"	13/16"	1-1/4"	WELDC-26A	\$63.89
1	11/16"	1-3/32"	1/2"	2-7/8"	1-1/8"	1-5/8"	WELDC-36	\$108.95

WELCS Series PILOTED 82° COUNTERSINKS									
Style	Screw Size	Pilot A	Shank B	O.A.L. C	D	E	F	Part Number	List Price
2	1/4"	1/4"	3/8"	2"	33/64"	1"	5/32"	WELCS8-1	\$39.87
2	1/4"	17/64"	3/8"	2"	33/64"	1"	5/32"	WELCS8-2	\$39.87
2	5/16"	5/16"	3/8"	2-3/16"	41/64"	1-3/16"	5/32"	WELCS10-1	\$47.63
2	5/16"	21/64"	3/8"	2-3/16"	41/64"	1-3/16"	5/32"	WELCS10-2	\$47.63
2	3/8"	3/8"	1/2"	2-5/8"	49/64"	1-3/8"	5/32"	WELCS12-1	\$63.22
2	3/8"	25/64"	1/2"	2-5/8"	49/64"	1-3/8"	5/32"	WELCS12-2	\$63.22
2	7/16"	7/16"	1/2"	2-3/4"	53/64"	1-1/2"	7/32"	WELCS14-1	\$78.69
2	7/16"	29/64"	1/2"	2-3/4"	53/64"	1-1/2"	7/32"	WELCS14-2	\$78.69
2	1/2"	1/2"	1/2"	2-13/16"	15/16"	1-9/16"	1/4"	WELCS16-1	\$81.79
2	1/2"	33/64"	1/2"	2-13/16"	15/16"	1-9/16"	1/4"	WELCS16-2	\$81.79



WELCS Series PILOTLESS 82° COUNTERSINKS								
Style	Diameter of cut		Shank	O.A.L.			Part	List
	Min.	Max.	B	C	D	E	Number	Price
3	.073"	15/64"	1/4"	1-3/4"			WELCS-3S	\$27.49
1	3/16"	17/32"	1/4"	1-7/8"	9/16"	1"	WELCS-18	\$34.41
1	.307"	25/32"	1/2"	2-5/8"	13/16"	1-3/8"	WELCS-26	\$59.71
1	.307"	25/32"	1/4"	2-1/16"	13/16"	1-1/4"	WELCS-26A	\$59.71
1	.431"	7/8"	1/2"	2-13/16"	1-1/8"	1-9/16"	WELCS-36	\$101.44
1	1/2"	1-15/32"	1/2"	3-1/2"	1-1/2"	2-1/8"	WELCS-48	\$231.54

WELCS Series								
Style	Screw Size	Pilot A	Shank B	O.A.L. C	D	E	Part Number	List Price
1	4,5		1/4"	1-1/2"	17/64"	5/8"	WELCS-5S	\$19.83
1	6		1/4"	1-1/2"	19/64"	5/8"	WELCS-6S	\$20.93
1	8		1/4"	1-5/8"	11/32"	3/4"	WELCS-8S	\$22.28
1	10		1/4"	1-5/8"	25/64"	3/4"	WELCS-10S	\$26.15



WELDB Series 90° DEBURRING TOOLS								
Style	Diameter of cut		Shank	O.A.L.			Part	List
	Min.	Max.	B	C	D	E	Number	Price
3	1/64"	11/64"	3/16"	1-1/2"			WELDB-4	\$43.90
3	1/16"	11/64"	3/16"	1-1/2"			WELDB-6	\$23.01
3	1/8"	15/64"	1/4"	1-3/4"			WELDB-8	\$24.19
1	5/32"	13/32"	1/4"	1-11/16"	7/16"	13/16"	WELDB-14	\$27.39
1	3/16"	17/32"	1/4"	1-7/8"	9/16"	1"	WELDB-18	\$33.84
1	5/16"	25/32"	1/2"	2-19/32"	13/16"	1-3/8"	WELDB-26	\$58.88
1	5/16"	25/32"	1/4"	2-1/32"	13/16"	1-5/32"	WELDB-26A	\$58.88
1	9/16"	1-3/32"	1/2"	2-13/16"	1-1/8"	1-9/16"	WELDB-36	\$100.49
1	1/2"	1-15/32"	1/2"	3-1/2"	1-1/2"	2-1/8"	WELDB-48	\$229.06

WELCSA Series 100° DEBURRING TOOLS								
Style	Diameter of cut		Shank	O.A.L.			Part	List
	Min.	Max.	B	C	D	E	Number	Price
1	3/32"	1/4"	1/4"	1-1/2"	17/64"	5/8"	WELCSA-8	\$19.83
1	1/8"	27/64"	1/4"	1-11/16"	7/16"	13/16"	WELCSA-14	\$27.49
1	3/16"	35/64"	1/4"	1-7/8"	9/16"	1"	WELCSA-18	\$35.26

HSS COUNTERSINKS

DEWSFC Series - Single Flute Countersinks

Single flute countersinks are ideal for chamfering, deburring, and countersinking. They provide a smooth finish on a variety of materials.

DEWCSK Series - 3 Flute Countersinks

3 - Flute center reamers are designed for countersinking holes for centers or to enlarge existing holes.

DEWMSK Series - 4 Flute Countersinks

4 - Flute countersinks or machine countersinks are designed for countersinking holes for centers or to enlarge existing holes.

DEWCHAT Series - 6 Flute Countersinks

6 - Flute or chatterless countersinks are designed to provide more metal removal than the 1, 2, 3, & 4 flute countersinks. They are also more effective on harder materials.



DEWSFC Series

S I N G L E F L U T E H S S

Size	Shank Dia.	O.A.L.	60° Part #	82° Part #	90° Part #	100° Part #	120° Part #	List Price
3/16"	3/16"	1-1/2"	DEWSFC3/16-60	DEWSFC3/16-82	DEWSFC3/16-90	DEWSFC3/16-100	DEWSFC3/16-120	\$9.09
1/4"	1/4"	2"	DEWSFC1/4-60	DEWSFC1/4-82	DEWSFC1/4-90	DEWSFC1/4-100	DEWSFC1/4-120	\$9.98
5/16"	1/4"	2"	DEWSFC5/16-60	DEWSFC5/16-82	DEWSFC5/16-90	DEWSFC5/16-100	DEWSFC5/16-120	\$11.38
3/8"	1/4"	2"	DEWSFC3/8-60	DEWSFC3/8-82	DEWSFC3/8-90	DEWSFC3/8-100	DEWSFC3/8-120	\$11.38
1/2"	1/4"	2"	DEWSFC1/2-60	DEWSFC1/2-82	DEWSFC1/2-90	DEWSFC1/2-100	DEWSFC1/2-120	\$14.54
5/8"	3/8"	2-1/4"	DEWSFC5/8-60	DEWSFC5/8-82	DEWSFC5/8-90	DEWSFC5/8-100	DEWSFC5/8-120	\$20.66
3/4"	3/8"	2-3/4"	DEWSFC3/4-60	DEWSFC3/4-82	DEWSFC3/4-90	DEWSFC3/4-100	DEWSFC3/4-120	\$27.62
7/8"	1/2"	2-3/4"	DEWSFC7/8-60	DEWSFC7/8-82	DEWSFC7/8-90	DEWSFC7/8-100	DEWSFC7/8-120	\$47.02
1"	1/2"	2-3/4"	DEWSFC1-60	DEWSFC1-82	DEWSFC1-90	DEWSFC1-100	DEWSFC1-120	\$51.45
1-1/4"	3/4"	3-3/8"	DEWSFC1-1/4-60	DEWSFC1-1/4-82	DEWSFC1-1/4-90	DEWSFC1-1/4-100	DEWSFC1-1/4-120	\$80.25
1-1/2"	3/4"	3-3/8"	DEWSFC1-1/2-60	DEWSFC1-1/2-82	DEWSFC1-1/2-90	DEWSFC1-1/2-100	DEWSFC1-1/2-120	\$106.49
2"	3/4"	3-3/8"	DEWSFC2-60	DEWSFC2-82	DEWSFC2-90	DEWSFC2-100	DEWSFC2-120	\$206.00

DEWCSK Series

3 F L U T E H S S (C E N T E R R E A M E R S)

Size	Shank Dia.	O.A.L.	60° Part #	82° Part #	90° Part #	100° Part #	120° Part #	List Price
1/4"	3/16"	1-1/2"	DEWCSK1/4-60	DEWCSK1/4-82	DEWCSK1/4-90	DEWCSK1/4-100	DEWCSK1/4-120	\$9.24
3/8"	1/4"	1-3/4"	DEWCSK3/8-60	DEWCSK3/8-82	DEWCSK3/8-90	DEWCSK3/8-100	DEWCSK3/8-120	\$11.02
1/2"	3/8"	2"	DEWCSK1/2-60	DEWCSK1/2-82	DEWCSK1/2-90	DEWCSK1/2-100	DEWCSK1/2-120	\$13.41
1/2"	1/4"	2"	-	DEWCSK1/2-82x1/4	-	-	-	\$13.41
5/8"	3/8"	2-1/4"	DEWCSK5/8-60	DEWCSK5/8-82	DEWCSK5/8-90	DEWCSK5/8-100	DEWCSK5/8-120	\$20.97
3/4"	1/2"	2-5/8"	DEWCSK3/4-60	DEWCSK3/4-82	DEWCSK3/4-90	DEWCSK3/4-100	DEWCSK3/4-120	\$30.91
7/8"	1/2"	2-3/4"	DEWCSK7/8-60	DEWCSK7/8-82	DEWCSK7/8-90	DEWCSK7/8-100	DEWCSK7/8-120	\$44.11
1"	1/2"	3-1/2"	DEWCSK1-60	DEWCSK1-82	DEWCSK1-90	DEWCSK1-100	DEWCSK1-120	\$46.53
1-1/4"	3/4"	3-1/2"	DEWCSK1-1/4-60	DEWCSK1-1/4-82	-	-	-	\$110.08
1-1/2"	3/4"	3-1/2"	DEWCSK1-1/2-60	DEWCSK1-1/2-82	-	-	-	\$142.65

4 F L U T E H S S (M A C H I N E C O U N T E R S I N K S)

DEWMSK Series

Size	Shank Dia.	O.A.L.	60° Part #	82° Part #	List Price
1/2"	1/2"	3-7/8"	DEWMSK1/2-60	DEWMSK1/2-82	\$28.28
5/8"	1/2"	4"	DEWMSK5/8-60	DEWMSK5/8-82	\$22.09
3/4"	1/2"	4-1/8"	DEWMSK3/4-60	DEWMSK3/4-82	\$43.72
7/8"	1/2"	4-1/4"	DEWMSK7/8-60	DEWMSK7/8-82	\$53.39
1"	1/2"	4-3/8"	DEWMSK1-60	DEWMSK1-82	\$52.43
1-1/4"	1/2"	5"	DEWMSK1-1/4-60	DEWMSK1-1/4-82	\$115.99
1-1/2"	1/2"	5-3/8"	DEWMSK1-1/2-60	DEWMSK1-1/2-82	\$150.29
2"	1/2"	5-3/8"	DEWMSK2-60	DEWMSK2-82	\$243.06

COUNTERSINKS

6 FLUTE HSS CHATTERLESS (COUNTERSINKS)

DEWCHAT Series

Size	Shank Dia.	O.A.L.	60° Part #	82° Part #	90° Part #	List Price
3/16"	3/16"	1-1/2"	DEWCHAT3/16-60	DEWCHAT3/16-82	DEWCHAT3/16-90	\$11.67
1/4"	1/4"	2"	DEWCHAT1/4-60	DEWCHAT1/4-82	DEWCHAT1/4-90	\$12.28
5/16"	1/4"	2"	DEWCHAT5/16-60	DEWCHAT5/16-82	DEWCHAT5/16-90	\$13.41
3/8"	1/4"	2"	DEWCHAT3/8-60	DEWCHAT3/8-82	DEWCHAT3/8-90	\$15.94
1/2"	1/4"	2"	DEWCHAT1/2-60	DEWCHAT1/2-82	DEWCHAT1/2-90	\$19.73
5/8"	1/2"	2-1/2"	DEWCHAT5/8-60	DEWCHAT5/8-82	DEWCHAT5/8-90	\$29.02
3/4"	1/2"	2-3/4"	DEWCHAT3/4-60	DEWCHAT3/4-82	DEWCHAT3/4-90	\$42.87
7/8"	1/2"	2-3/4"	DEWCHAT7/8-60	DEWCHAT7/8-82	DEWCHAT7/8-90	\$52.11
1"	1/2"	2-3/4"	DEWCHAT1-60	DEWCHAT1-82	DEWCHAT1-90	\$62.53
1-1/4"	3/4"	3-3/8"	DEWCHAT1-1/4-60	DEWCHAT1-1/4-82	DEWCHAT1-1/4-90	\$100.03
1-1/2"	3/4"	3-1/2"	DEWCHAT1-1/2-60	DEWCHAT1-1/2-82	DEWCHAT1-1/2-90	\$142.33
1-3/4"	1"	4-1/4"	DEWCHAT1-3/4-60	DEWCHAT1-3/4-82	DEWCHAT1-3/4-90	\$198.60
2"	1"	4-3/8"	DEWCHAT2-60	DEWCHAT2-82	DEWCHAT2-90	\$231.91

DEWCHAT Series

Size	Shank Dia.	O.A.L.	100° Part #	120° Part #	List Price
3/16"	3/16"	1-1/2"	DEWCHAT3/16-100	DEWCHAT3/16-120	\$15.83
1/4"	1/4"	2"	DEWCHAT1/4-100	DEWCHAT1/4-120	\$17.45
5/16"	1/4"	2"	DEWCHAT5/16-100	DEWCHAT5/16-120	\$25.89
3/8"	1/4"	2"	DEWCHAT3/8-100	DEWCHAT3/8-120	\$25.08
1/2"	1/4"	2"	DEWCHAT1/2-100	DEWCHAT1/2-120	\$31.99
5/8"	1/2"	2-1/2"	DEWCHAT5/8-100	DEWCHAT5/8-120	\$48.79
3/4"	1/2"	2-3/4"	DEWCHAT3/4-100	DEWCHAT3/4-120	\$63.02
7/8"	1/2"	2-3/4"	DEWCHAT7/8-100	DEWCHAT7/8-120	\$78.44
1"	1/2"	2-3/4"	DEWCHAT1-100	DEWCHAT1-120	\$90.84
1-1/4"	3/4"	3-3/8"	DEWCHAT1-1/4-100	DEWCHAT1-1/4-120	\$158.32
1-1/2"	3/4"	3-1/2"	DEWCHAT1-1/2-100	DEWCHAT1-1/2-120	\$223.72
2"	1"	4-3/8"	DEWCHAT2-100	DEWCHAT2-120	\$362.56



COUNTERSINKS

TSC Series - HSS

Countersink cutters may be used in all popular adjustable or micro-stop countersinking units utilizing a 1/4"-28 threaded shank drive. Made from the finest high speed tool steel. Precision ground to exacting tolerances and form relieved to insure concentricity of 100° countersink angle.

HSS THREADED SHANK

TSC Series				TSC Series				TSC Series			
3/8 Body		7/16 Body		1/2 Body		5/8 Body		3/8 Body		7/16 Body	
Pilot Size	Dec. Equiv.	Part Number	List Price	Pilot Size	Dec. Equiv.	Part Number	List Price	Pilot Size	Dec. Equiv.	Part Number	List Price
40	.0980	TSC3/8-40	\$17.19	40	.0980	TSC7/16-40	\$17.19	3/32"	.0938	TSC1/2-3/32	\$17.19
30	.1285	TSC3/8-30	\$17.19	1/8"	.1250	TSC7/16-1/8	\$17.19	40	.0980	TSC1/2-40	\$17.19
27	.1440	TSC3/8-27	\$17.19	30	.1285	TSC7/16-30	\$17.19	1/8"	.1250	TSC1/2-1/8	\$17.19
26	.1470	TSC3/8-26	\$17.19	27	.1440	TSC7/16-27	\$17.19	30	.1285	TSC1/2-30	\$17.19
5/32"	.1562	TSC3/8-5/32	\$17.19	5/32"	.1562	TSC7/16-5/32	\$17.19	27	.1440	TSC1/2-27	\$17.19
22	.1570	TSC3/8-22	\$17.19	21	.1590	TSC7/16-21	\$17.19	5/32"	.1562	TSC1/2-5/32	\$17.19
21	.1590	TSC3/8-21	\$17.19	19	.1660	TSC7/16-19	\$17.19	21	.1590	TSC1/2-21	\$17.19
20	.1610	TSC3/8-20	\$17.19	3/16"	.1875	TSC7/16-3/16	\$17.19	20	.1610	TSC1/2-20	\$17.19
19	.1660	TSC3/8-19	\$17.19	12	.1890	TSC7/16-12	\$17.19	16	.1770	TSC1/2-16	\$17.19
16	.1770	TSC3/8-16	\$17.19	11	.1910	TSC7/16-11	\$17.19	13	.1850	TSC1/2-13	\$17.19
13	.1850	TSC3/8-13	\$17.19	10	.1935	TSC7/16-10	\$17.19	3/16"	.1875	TSC1/2-3/16	\$17.19
3/16"	.1875	TSC3/8-3/16	\$17.19	1/4"	.2500	TSC7/16-1/4	\$17.19	12	.1890	TSC1/2-12	\$17.19
12	.1890	TSC3/8-12	\$17.19	5/16"	.3125	TSC7/16-5/16	\$17.19	11	.1910	TSC1/2-11	\$17.19
11	.1910	TSC3/8-11	\$17.19					10	.1935	TSC1/2-10	\$17.19
10	.1935	TSC3/8-10	\$17.19					8	.1990	TSC1/2-8	\$17.19
8	.1990	TSC3/8-8	\$17.19					7	.2010	TSC1/2-7	\$17.19
7	.2010	TSC3/8-7	\$17.19					13/64"	.2031	TSC1/2-13/64	\$17.19
6	.2040	TSC3/8-6	\$17.19					6	.2040	TSC1/2-6	\$17.19
1/4"	.2500	TSC3/8-1/4	\$17.19					5	.2055	TSC1/2-5	\$17.19
5/16"	.3125	TSC3/8-5/16	\$17.19					4	.2090	TSC1/2-4	\$17.19
								3	.2130	TSC1/2-3	\$17.19
								7/32"	.2188	TSC1/2-7/32	\$17.19
								A	.2340	TSC1/2-A	\$17.19
								D	.2460	TSC1/2-D	\$17.19
								1/4"	.2500	TSC1/2-1/4	\$17.19
								G	.2610	TSC1/2-G	\$17.19
								J	.2770	TSC1/2-J	\$17.19
								9/32"	.2812	TSC1/2-9/32	\$17.19
								N	.3020	TSC1/2-N	\$17.19
								O	.3090	TSC1/2-O	\$17.19
								5/16"	.3125	TSC1/2-5/16	\$17.19
								P	.3230	TSC1/2-P	\$17.19
								R	.3390	TSC1/2-R	\$17.19
								3/8"	.3750	TSC1/2-3/8	\$17.19



*Additional sizes available upon request

HOLLOW CUTTERS

These one piece cutters are used for collar removal on Hi-Shear fasteners. They come with a 1/4"-28" shank.

TSC Series					
Fastener Size	D	A	Fastener Type	Part Number	List Price
1/8"	.365	.1240	Hi-Shear	TSC1/8HC	\$22.25
5/32"	.365	.1570	Hi-Shear	TSC5/32HC	\$22.25
3/16"	.438	.1875	Hi-Shear	TSC3/16HC	\$22.25
1/4"	.500	.2470	Hi-Shear	TSC1/4HC	\$22.25
5/16"	.562	.3100	Hi-Shear	TSC5/16HC	\$22.25
3/8"	.625	.3730	Hi-Shear	TSC3/8HC	\$22.25
7/16"	.750	.4340	Hi-Shear	TSC7/16HC	\$25.95



COMBINED DRILL & C'SINKS

DEWCCD Series -

60° - Used for producing center holes in work pieces which require machining between centers.

DEWCCD Series		H S S				
Size	Body Dia.	Point Dia.	Point Length	O.A.L.	Part Number	List Price
3-0	1/8"	0.020	0.020	1-1/4"	DEWCCD000	\$6.60
2-0	1/8"	0.025	0.025	1-1/4"	DEWCCD00	\$4.35
0	1/8"	1/32"	1/32"	1-1/4"	DEWCCD0	\$4.35
1	1/8"	3/64"	3/64"	1-1/4"	DEWCCD1	\$3.52
2	3/16"	5/64"	5/64"	1-7/8"	DEWCCD2	\$3.52
3	1/4"	7/64"	7/64"	2"	DEWCCD3	\$3.52
4	5/16"	1/8"	1/8"	2-1/8"	DEWCCD4	\$3.52
5	7/16"	3/16"	3/16"	2-3/4"	DEWCCD5	\$5.71
6	1/2"	7/32"	7/32"	2-3/4"	DEWCCD6	\$8.51
7	5/8"	1/4"	1/4"	3-1/4"	DEWCCD7	\$11.39
8	3/4"	5/16"	5/16"	3-1/2"	DEWCCD8	\$15.53
#1-5 Set					DEWCCDS1-5	\$19.82
#1-6 Set					DEWCCDS1-6	\$28.09



H S S L O N G

DEW Series			
Size	O.A.L.	Part Number	List Price
1	3"	DEW1X3	\$16.31
1	4"	DEW1X4	\$17.02
1	5"	DEW1X5	\$23.69
1	6"	DEW1X6	\$30.98
2	4"	DEW2X4	\$18.66
2	5"	DEW2X5	\$23.69
2	6"	DEW2X6	\$30.98
3	4"	DEW3X4	\$19.61
3	5"	DEW3X5	\$25.87
3	6"	DEW3X6	\$31.36
4	4"	DEW4X4	\$21.60
4	5"	DEW4X5	\$27.57
4	6"	DEW4X6	\$31.93
5	4"	DEW5X4	\$27.57
5	5"	DEW5X5	\$31.88
5	6"	DEW5X6	\$35.58
6	5"	DEW6X5	\$33.64
6	6"	DEW6X6	\$40.60
7	6"	DEW7X6	\$73.86
8	6"	DEW8X6	\$81.17



DMOCCD Series		S O L I D C A R B I D E			
Size	Body Dia.	Drill Dia.	O.A.L.	Part Number	List Price
0	1/32"	1/8"	1-1/4"	DMOCCD0-60	\$38.03
1	3/64"	1/8"	1-1/4"	DMOCCD1-60	\$31.68
2	5/64"	3/16"	1-7/8"	DMOCCD2-60	\$39.76
3	7/64"	1/4"	2"	DMOCCD3-60	\$50.09
4	1/8"	5/16"	2-1/8"	DMOCCD4-60	\$68.35
5	3/16"	7/16"	2-3/4"	DMOCCD5-60	\$100.49
6	7/32"	1/2"	3"	DMOCCD6-60	\$138.28



SCREW EXTRACTORS

DEWEZ Spiral Flute Screw Extractors

Screw extractors are used expressly for removing broken or seized screws



DEWEZ Series

Size	Bolt Size	Pipe Size	Small End	Large End	Flute Length	Drill Size	O.A.L.	Part Number	List Price
1	3/16"	-	1/16"	1/8"	1/2"	5/64"	2"	DEWEZ1	\$2.42
2	1/4"	-	3/32"	13/64"	7/8"	7/64"	2-3/8"	DEWEZ2	\$2.60
3	5/16"	-	1/8"	1/4"	1"	5/32"	2-11/16"	DEWEZ3	\$3.20
4	7/16"	-	3/16"	11/32"	1-1/4"	1/4"	3"	DEWEZ4	\$3.35
5	9/16"-3/4"	1/8"-1/4"	1/4"	7/16"	1-1/2"	17/64"	3-3/8"	DEWEZ5	\$4.18
6	3/4"-1"	3/8"	3/8"	19/32"	1-3/4"	13/32"	3-3/4"	DEWEZ6	\$9.34
7	1"-1-3/8"	1/2"	1/2"	25/32"	2-1/4"	17/32"	4-1/8"	DEWEZ7	\$15.02
8	1-3/8"-1-3/4"	3/4"	3/4"	1-1/32"	2-1/4"	13/16"	4-3/8"	DEWEZ8	\$20.47
9	1-3/4"-2-1/8"	1"	1"	1-9/32"	2-1/4"	1-1/16"	4-5/8"	DEWEZ9	\$35.64
10	2-1/8"-2-1/2"	1-1/4"	1-1/4"	1-9/16"	2-1/2"	1-5/16"	5"	DEWEZ10	\$53.68
11	2-1/2"-3"	1-1/2"	1-1/2"	1-7/8"	3"	1-9/16"	5-5/8"	DEWEZ11	\$80.49
12	3"-3-1/2"	2"	1-27/32"	2-5/16"	3-1/2"	1-15/16"	6-1/4"	DEWEZ12	\$130.12

DEWEZSF Straight Flute Screw Extractors

Straight flute screw extractors are designed for removing broken material such as bolts and screws in softer materials. The straight flute will not enlarge material being removed.

DEWEZSF Series

Size	Bolt Size	Pipe Size	Drill Size	O.A.L.	Part Number	List Price
1	3/16"	-	9/64"	2-1/2"	DEWEZSF1	\$2.46
2	1/4"	-	3/16"	2-5/8"	DEWEZSF2	\$2.46
3	5/16"	-	15/64"	3-1/8"	DEWEZSF3	\$2.46
4	7/16"	-	5/16"	4"	DEWEZSF4	\$2.46
5	9/16"-3/4"	1/8"-1/4"	3/8"	4-7/8"	DEWEZSF5	\$2.46
6	3/4"-1"	3/8"	15/32"	5-3/8"	DEWEZSF6	\$9.51



POUEZ Spiral Flute Screw Extractor and Drill Bit Kit

POUEZSF Straight Flute Screw Extractor and Drill Bit Kit

POUEZ Series

Size	Part Number	Drill Size	List Price
1	POUEZ1	5/64"	\$6.60
2	POUEZ2	7/64"	\$7.11
3	POUEZ3	5/32"	\$8.43
4	POUEZ4	1/4"	\$12.39
5	POUEZ5	17/64"	\$13.73
6	POUEZ6	13/32"	\$29.17

POUEZSF Series

Size	Part Number	Drill Size	List Price
1	POUEZSF1	9/64"	\$7.69
2	POUEZSF2	3/16"	\$9.65
3	POUEZSF3	15/64"	\$12.35
4	POUEZSF4	5/16"	\$15.01
5	POUEZSF5	3/8"	\$21.30
6	POUEZSF6	15/32"	\$40.57



DEWEZ Series Spiral Flute Screw Extractor Sets

DEWEZ Series

Size Range	Part Number	List Price
1-5	DEWEZS1-5	\$17.27
1-6	DEWEZS1-6	\$28.34
6-9	DEWEZS6-9	\$87.41
*1-5	DEWEZS1-5W/DRL	\$35.73
*1-6	DEWEZS1-6W/DRL	\$49.92
1-9	DEWEZS1-9	\$103.07

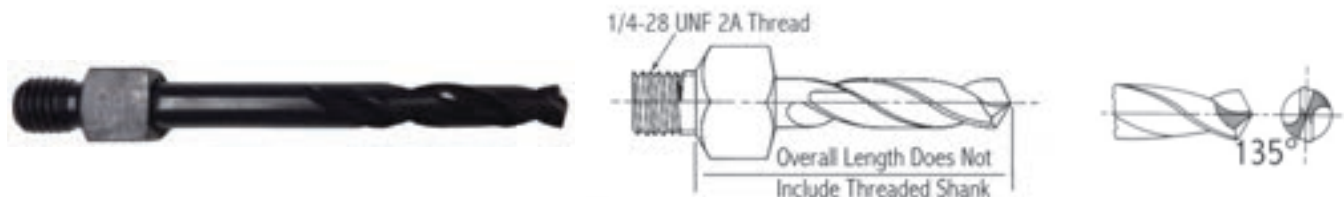
*Set Includes corresponding drills



THREADED SHANK DRILLS

TSD Series

Type "D" adapter drills are made from **M42 8% cobalt high speed steel** and are manufactured to NAS 965 Type "D" specifications with 135° heavy duty split point and surface treated for drilling hard, tough, high tensile strength materials. When drilling low tensile strength materials, the Type "D" cobalt drill will have significantly greater tool life than the NAS 965 Type "B", high speed steel adapter drill, resulting in a much lower cost per hole.



WIRE GAUGE SIZES

TSD Series			Stubby Series			Short Series			Long Series		
Size	Dec. Equiv.	Metric Equiv.	Part Number	O.A.L.	List Price	Part Number	O.A.L.	List Price	Part Number	O.A.L.	List Price
1	.2280	5.79mm	TSD1ST	5/8"	\$9.29	TSD1S	1-1/4"	\$9.28	TSD1L	2-1/8"	\$9.16
2	.2210	5.61mm	TSD2ST	5/8"	\$8.76	TSD2S	1-1/4"	\$8.26	TSD2L	2-1/8"	\$8.51
3	.2130	5.41mm	TSD3ST	5/8"	\$8.71	TSD3S	1-1/4"	\$7.25	TSD3L	2-1/8"	\$7.64
4	.2090	5.31mm	TSD4ST	5/8"	\$7.92	TSD4S	1-1/4"	\$7.47	TSD4L	2-1/8"	\$7.88
5	.2055	5.22mm	TSD5ST	5/8"	\$7.92	TSD5S	1-1/4"	\$7.47	TSD5L	2-1/8"	\$7.88
6	.2040	5.18mm	TSD6ST	5/8"	\$8.66	TSD6S	1-1/4"	\$7.72	TSD6L	2-1/8"	\$7.97
7	.2010	5.11mm	TSD7ST	5/8"	\$7.32	TSD7S	1-1/4"	\$6.83	TSD7L	2-1/8"	\$7.08
8	.1990	5.06mm	TSD8ST	5/8"	\$7.03	TSD8S	1-1/4"	\$5.91	TSD8L	2-1/8"	\$6.92
9	.1960	4.98mm	TSD9ST	5/8"	\$7.32	TSD9S	1-1/4"	\$6.83	TSD9L	2-1/8"	\$9.03
10	.1935	4.92mm	TSD10ST	5/8"	\$7.18	TSD10S	1-1/4"	\$6.23	TSD10L	2-1/8"	\$6.53
11	.1910	4.85mm	TSD11ST	5/8"	\$6.97	TSD11S	1-1/4"	\$6.56	TSD11L	2-1/8"	\$6.93
12	.1890	4.80mm	TSD12ST	5/8"	\$7.03	TSD12S	1-1/4"	\$6.72	TSD12L	2-1/8"	\$6.93
13	.1850	4.70mm	TSD13ST	5/8"	\$6.60	TSD13S	1-1/4"	\$6.60	TSD13L	2-1/8"	\$6.54
14	.1820	4.62mm	TSD14ST	5/8"	\$7.67	TSD14S	1-1/4"	\$7.42	TSD14L	2-1/8"	\$7.55
15	.1800	4.57mm	TSD15ST	5/8"	\$7.67	TSD15S	1-1/4"	\$7.42	TSD15L	2-1/8"	\$9.64
16	.1770	4.50mm	TSD16ST	5/8"	\$6.56	TSD16S	1-1/4"	\$6.12	TSD16L	2-1/8"	\$6.46
17	.1730	4.39mm	TSD17ST	5/8"	\$6.51	TSD17S	1-1/4"	\$6.04	TSD17L	2-1/8"	\$8.48
18	.1695	4.30mm	TSD18ST	5/8"	\$7.30	TSD18S	1-1/4"	\$5.97	TSD18L	2-1/8"	\$7.35
19	.1660	4.22mm	TSD19ST	5/8"	\$6.14	TSD19S	1-1/4"	\$5.30	TSD19L	2-1/8"	\$6.12
20	.1610	4.09mm	TSD20ST	5/8"	\$5.69	TSD20S	1-1/4"	\$5.30	TSD20L	2-1/8"	\$5.67
21	.1590	4.04mm	TSD21ST	5/8"	\$6.51	TSD21S	1-1/4"	\$5.30	TSD21L	2-1/8"	\$5.67
22	.1570	3.99mm	TSD22ST	5/8"	\$7.92	TSD22S	1-1/4"	\$5.94	TSD22L	2-1/8"	\$7.32
23	.1540	3.91mm	TSD23ST	5/8"	\$7.92	TSD23S	1-1/4"	\$5.93	TSD23L	2-1/8"	\$8.08
24	.1520	3.86mm	TSD24ST	5/8"	\$8.42	TSD24S	1-1/4"	\$5.94	TSD24L	2-1/8"	\$8.05
25	.1495	3.80mm	TSD25ST	5/8"	\$8.42	TSD25S	1-1/4"	\$7.18	TSD25L	2-1/8"	\$8.05
26	.1470	3.73mm	TSD26ST	9/16"	\$7.05	TSD26S	1-1/4"	\$7.18	TSD26L	2-1/8"	\$7.30
27	.1440	3.66mm	TSD27ST	9/16"	\$5.46	TSD27S	1-1/4"	\$5.40	TSD27L	2-1/8"	\$5.17
28	.1405	3.57mm	TSD28ST	9/16"	\$7.95	TSD28S	1-1/4"	\$7.18	TSD28L	2-1/8"	\$7.30
29	.1360	3.45mm	TSD29ST	9/16"	\$7.95	TSD29S	1-1/4"	\$7.19	TSD29L	2-1/8"	\$6.16
30	.1285	3.26mm	TSD30ST	9/16"	\$5.54	TSD30S	1-1/4"	\$4.65	TSD30L	2-1/8"	\$4.78
31	.1200	3.05mm	TSD31ST	9/16"	\$7.42	TSD31S	1-1/4"	\$5.33	TSD31L	2-1/8"	\$5.46
32	.1160	2.95mm	TSD32ST	9/16"	\$8.53	TSD32S	1-1/4"	\$6.56	TSD32L	2-1/8"	\$6.96
33	.1130	2.87mm	TSD33ST	9/16"	\$7.95	TSD33S	1-1/4"	\$7.05	TSD33L	2-1/8"	\$6.96
34	.1110	2.82mm	TSD34ST	9/16"	\$7.95	TSD34S	1-1/4"	\$6.56	TSD34L	2-1/8"	\$6.96
35	.1100	2.79mm	TSD35ST	9/16"	\$7.95	TSD35S	1-1/4"	\$7.05	TSD35L	2-1/8"	\$6.96
36	.1065	2.71mm	TSD36ST	9/16"	\$7.95	TSD36S	1-1/4"	\$6.56	TSD36L	2-1/8"	\$6.96
37	.1040	2.64mm	TSD37ST	9/16"	\$7.18	TSD37S	1-1/4"	\$6.56	TSD37L	2-1/8"	\$6.96
38	.1015	2.58mm	TSD38ST	9/16"	\$7.95	TSD38S	1-1/4"	\$6.96	TSD38L	2-1/8"	\$6.56
39	.0995	2.53mm	TSD39ST	9/16"	\$7.95	TSD39S	1-1/4"	\$6.96	TSD39L	2-1/8"	\$6.56
40	.0980	2.49mm	TSD40ST	1/2"	\$5.10	TSD40S	1"	\$4.04	TSD40L	2-1/8"	\$4.28
41	.0960	2.44mm	TSD41ST	1/2"	\$5.97	TSD41S	1"	\$6.06	TSD41L	2-1/8"	\$6.46
42	.0935	2.37mm	TSD42ST	1/2"	\$8.34	TSD42S	1"	\$6.06	TSD42L	2-1/8"	\$6.46
43	.0890	2.26mm	TSD43ST	1/2"	\$7.50	TSD43S	1"	\$6.06	TSD43L	2-1/8"	\$6.46
44	.0860	2.18mm	TSD44ST	1/2"	\$7.50	TSD44S	1"	\$6.06	TSD44L	2-1/8"	\$6.46
45	.0820	2.08mm	TSD45ST	1/2"	\$7.50	TSD45S	1"	\$6.06	TSD45L	2-1/8"	\$6.46
46	.0810	2.06mm	TSD46ST	1/2"	\$7.50	TSD46S	1"	\$6.06	TSD46L	2-1/8"	\$6.46
47	.0785	1.99mm	TSD47ST	1/2"	\$7.50	TSD47S	1"	\$6.78	TSD47L	2-1/8"	\$6.46
48	.0760	1.93mm	TSD48ST	1/2"	\$7.50	TSD48S	1"	\$6.06	TSD48L	2-1/8"	\$6.46
49	.0730	1.85mm	TSD49ST	1/2"	\$7.50	TSD49S	1"	\$6.78	TSD49L	2-1/8"	\$6.46
50	.0700	1.78mm	TSD50ST	1/2"	\$5.88	TSD50S	1"	\$5.15	TSD50L	2-1/8"	\$5.40

THREADED SHANK DRILLS

FRACTIONAL SIZES

TSD Series			Stubby Series			Short Series			Long Series		
Size	Dec. Equiv.	Metric Equiv.	Part Number	O.A.L.	List Price	Part Number	O.A.L.	List Price	Part Number	O.A.L.	List Price
1/8"	.1250	3.17mm	TSD1/8ST	1/2"	\$6.29	TSD1/8S	1"	\$5.79	TSD1/8L	2-1/8"	\$6.04
5/32"	.1562	3.97mm	TSD5/32ST	9/16"	\$6.34	TSD5/32S	1-1/4"	\$5.85	TSD5/32L	2-1/8"	\$6.10
3/16"	.1875	4.76mm	TSD3/16ST	9/16"	\$7.03	TSD3/16S	1-1/4"	\$6.53	TSD3/16L	2-1/8"	\$6.77
7/32"	.2188	5.56mm	TSD7/32ST	5/8"	\$7.87	TSD7/32S	1-1/4"	\$7.38	TSD7/32L	2-1/8"	\$8.33
1/4"	.2500	6.35mm	TSD1/4ST	5/8"	\$8.61	TSD1/4S	1-1/4"	\$7.53	TSD1/4L	2-1/8"	\$7.36
5/16"	.3125	7.94mm	TSD5/16ST	5/8"	\$13.98	TSD5/16S	1-1/4"	\$13.17	TSD5/16L	2-1/8"	\$15.04
3/8"	.3750	9.52mm	TSD3/8ST	3/4"	\$15.52	TSD3/8S	1-1/4"	\$15.52	TSD3/8L	2-1/8"	\$15.52

LETTER SIZES

TSD Series			Stubby Series			Short Series			Long Series		
Size	Dec. Equiv.	Metric Equiv.	Part Number	O.A.L.	List Price	Part Number	O.A.L.	List Price	Part Number	O.A.L.	List Price
C	.2420	6.15mm	TSDCST	5/8"	\$9.28	TSDCS	1-1/4"	\$8.66	TSDCL	2-1/8"	\$9.90
D	.2460	6.25mm	TSDDST	5/8"	\$8.61	TSDDS	1-1/4"	\$7.81	TSDDL	2-1/8"	\$8.68
F	.2570	6.53mm	TSDFST	5/8"	\$8.94	TSDFS	1-1/4"	\$7.82	TSDFL	2-1/8"	\$9.01
G	.2610	6.63mm	TSDGST	5/8"	\$9.77	TSDGS	1-1/4"	\$8.15	TSDGL	2-1/8"	\$9.25
H	.2660	6.75mm	TSDHST	5/8"	\$10.39	TSDHS	1-1/4"	\$9.40	TSDHL	2-1/8"	\$13.33
J	.2770	7.03mm	TSDJST	5/8"	\$10.39	TSDJS	1-1/4"	\$9.79	TSDJL	2-1/8"	\$13.33
K	.2810	7.14mm	TSDKST	5/8"	\$10.39	TSDKS	1-1/4"	\$9.79	TSDKL	2-1/8"	\$13.39
L	.2900	7.37mm	TSDLST	5/8"	\$10.39	TSDLS	1-1/4"	\$11.03	TSDLL	2-1/8"	\$15.73
M	.2950	7.49mm	TSDMST	5/8"	\$10.39	TSDMS	1-1/4"	\$11.03	TSDML	2-1/8"	\$15.73
N	.3020	7.67mm	TSDNST	5/8"	\$10.39	TSDNS	1-1/4"	\$11.03	TSDNL	2-1/8"	\$15.73
O	.3160	8.03mm	TSDOST	5/8"	\$11.50	TSDOS	1-1/4"	\$11.03	TSDOL	2-1/8"	\$15.73

SPECIAL LENGTHS

TSD Series			Very Stubby Series			Extra Long Series		
Size	Dec. Equiv.	Metric Equiv.	Part Number	O.A.L.	List Price	Part Number	O.A.L.	List Price
40	.0980	2.49mm	TSD40VS	3/8"	\$5.33	TSD40EL	2-1/2"	\$6.06
30	.1285	3.26mm	TSD30VS	3/8"	\$5.69	TSD30EL	2-3/4"	\$6.31
27	.1440	3.66mm	TSD27VS	3/8"	\$5.81	TSD27EL	3"	\$6.81
21	.1590	4.04mm	TSD21VS	3/8"	\$6.81	TSD21EL	3"	\$6.93
20	.1610	4.09mm	TSD20VS	3/8"	\$6.81	TSD20EL	3"	\$7.05
16	.1770	4.50mm	TSD16VS	3/8"	\$6.81	TSD16EL	3"	\$7.79
13	.1850	4.70mm	TSD13VS	3/8"	\$6.81	TSD13EL	3"	\$7.92
12	.1890	4.80mm	TSD12VS	3/8"	\$7.05	TSD12EL	3"	\$8.42
11	.1910	4.85mm	TSD11VS	3/8"	\$7.05	TSD11EL	3"	\$8.42
10	.1935	4.92mm	TSD10VS	3/8"	\$7.30	TSD10EL	3"	\$7.67
8	.1990	5.06mm	TSD8VS	3/8"	\$8.66	TSD8EL	3"	\$8.66
5	.2055	5.22mm	TSD5VS	3/8"	\$8.29	TSD5EL	3"	\$8.16
1/4"	.2500	6.35mm	TSD1/4VS	3/8"	\$9.03	TSD1/4EL	3"	\$8.66



AIRCRAFT TAPER ROUTERS

D/ATR Series

High Speed Steel Aircraft Taper Routers are designed for use in clearance cutting or routing, and are furnished with a right hand helix and right hand cut.



D/ATR Series						
Size	Small End Dia.	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1	.0810	.0980	13/16"	2"	D/ATR-1	\$6.54
2	.1100	.1280	7/8"	2-1/4"	D/ATR-2	\$6.73
3	.1650	.1875	1-1/16"	2-1/2"	D/ATR-3	\$11.30
4	.2240	.2500	1-1/4"	2-3/4"	D/ATR-4	\$13.75

CHUCKING REAMERS

DWRR Series - HSS Straight Shank Straight Flute

DWRRSP Series - HSS Straight Shank Spiral Flute

Chuckling Reamers are designed for accurate reaming in most materials using all types of equipment including screw machines, turret lathes, drill presses, and machining centers. They are regularly pointed with a 45 chamfer. The straight-flute design is recommended for most general purpose reaming. The right-hand spiral-flute reamer has the smooth, chatter-free action necessary for fine finishes. It is recommended over the straight-flute for more difficult materials, better surface requirements, and applications with interruption such as a keyway or cross hole.

F R A C T I O N A L S I Z E S

				DWRR Series		DWRRSP Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
3/64"	.0469	1/2"	2-1/2"	DWRR3/64	\$15.60	-	-
1/16"	.0625	1/2"	2-1/2"	DWRR1/16	\$14.22	DWRRSP1/16	\$15.17
5/64"	.0781	3/4"	3"	DWRR5/64	\$13.12	DWRRSP5/64	\$15.17
3/32"	.0938	3/4"	3"	DWRR3/32	\$11.25	DWRRSP3/32	\$13.41
7/64"	.1094	7/8"	3-1/2"	DWRR7/64	\$13.12	DWRRSP7/64	\$15.17
1/8"	.1250	7/8"	3-1/2"	DWRR1/8	\$14.51	DWRRSP1/8	\$18.46
9/64"	.1406	1"	4"	DWRR9/64	\$14.63	DWRRSP9/64	\$16.55
5/32"	.1562	1"	4"	DWRR5/32	\$14.63	DWRRSP5/32	\$16.55
11/64"	.1719	1-1/8"	4-1/2"	DWRR11/64	\$16.05	DWRRSP11/64	\$16.55
3/16"	.1875	1-1/8"	4-1/2"	DWRR3/16	\$16.05	DWRRSP3/16	\$18.10
13/64"	.2031	1-1/4"	5"	DWRR13/64	\$17.43	DWRRSP13/64	\$19.22
7/32"	.2188	1-1/4"	5"	DWRR7/32	\$17.43	DWRRSP7/32	\$19.22
15/64"	.2344	1-1/2"	6"	DWRR15/64	\$18.59	DWRRSP15/64	\$20.64
1/4"	.2500	1-1/2"	6"	DWRR1/4	\$18.59	DWRRSP1/4	\$20.64
17/64"	.2656	1-1/2"	6"	DWRR17/64	\$19.97	DWRRSP17/64	\$22.14
9/32"	.2812	1-1/2"	6"	DWRR9/32	\$19.97	DWRRSP9/32	\$22.14
19/64"	.2969	1-1/2"	6"	DWRR19/64	\$19.97	DWRRSP19/64	\$22.14
5/16"	.3125	1-1/2"	6"	DWRR5/16	\$19.97	DWRRSP5/16	\$22.14
21/64"	.3281	1-1/2"	6"	DWRR21/64	\$21.38	DWRRSP21/64	\$24.71
11/32"	.3438	1-1/2"	6"	DWRR11/32	\$21.38	DWRRSP11/32	\$24.71
23/64"	.3594	1-3/4"	7"	DWRR23/64	\$23.80	DWRRSP23/64	\$27.39
3/8"	.3750	1-3/4"	7"	DWRR3/8	\$23.80	DWRRSP3/8	\$27.39
25/64"	.3906	1-3/4"	7"	DWRR25/64	\$23.80	DWRRSP25/64	\$27.39
13/32"	.4062	1-3/4"	7"	DWRR13/32	\$23.80	DWRRSP13/32	\$27.39
27/64"	.4219	1-3/4"	7"	DWRR27/64	\$23.80	DWRRSP27/64	\$27.39
7/16"	.4375	1-3/4"	7"	DWRR7/16	\$23.80	DWRRSP7/16	\$27.39
29/64"	.4531	1-3/4"	7"	DWRR29/64	\$27.23	DWRRSP29/64	\$30.30
15/32"	.4688	1-3/4"	7"	DWRR15/32	\$26.35	DWRRSP15/32	\$30.30
31/64"	.4844	2"	8"	DWRR31/64	\$31.72	DWRRSP31/64	\$36.94
1/2"	.5000	2"	8"	DWRR1/2	\$31.72	DWRRSP1/2	\$36.94
33/64"	.5156	2"	8"	DWRR33/64	\$34.03	DWRRSP33/64	\$37.96
17/32"	.5312	2"	8"	DWRR17/32	\$34.03	DWRRSP17/32	\$37.96
35/64"	.5469	2"	8"	DWRR35/64	\$34.03	DWRRSP35/64	\$42.12
9/16"	.5625	2"	8"	DWRR9/16	\$34.03	DWRRSP9/16	\$42.12
37/64"	.5781	2"	8"	DWRR37/64	\$36.51	DWRRSP37/64	\$42.12
19/32"	.5938	2"	8"	DWRR19/32	\$36.51	DWRRSP19/32	\$42.12
39/64"	.6094	2"	8"	DWRR39/64	\$39.37	DWRRSP39/64	\$47.89
5/8"	.6250	2-1/4"	9"	DWRR5/8	\$39.37	DWRRSP5/8	\$47.89
41/64"	.6406	2-1/4"	9"	DWRR41/64	\$42.00	DWRRSP41/64	\$47.89
21/32"	.6562	2-1/4"	9"	DWRR21/32	\$42.00	DWRRSP21/32	\$47.89
43/64"	.6719	2-1/4"	9"	DWRR43/64	\$42.00	DWRRSP43/64	\$47.89
11/16"	.6875	2-1/4"	9"	DWRR11/16	\$42.00	DWRRSP11/16	\$47.89
45/64"	.7031	2-1/4"	9"	DWRR45/64	\$47.40	DWRRSP45/64	\$54.98
23/32"	.7188	2-1/4"	9"	DWRR23/32	\$47.40	DWRRSP23/32	\$54.98
47/64"	.7344	2-1/2"	9-1/2"	DWRR47/64	\$52.89	DWRRSP47/64	\$62.00
3/4"	.7500	2-1/2"	9-1/2"	DWRR3/4	\$52.89	DWRRSP3/4	\$62.00
49/64"	.7656	2-1/2"	9-1/2"	DWRR49/64	\$55.67	DWRRSP49/64	\$70.73
25/32"	.7812	2-1/2"	9-1/2"	DWRR25/32	\$55.67	DWRRSP25/32	\$70.73
51/64"	.7969	2-1/2"	9-1/2"	DWRR51/64	\$55.67	DWRRSP51/64	\$70.73
13/16"	.8125	2-1/2"	9-1/2"	DWRR13/16	\$55.67	DWRRSP13/16	\$70.73
53/64"	.8281	2-1/2"	9-1/2"	DWRR53/64	\$62.95	DWRRSP53/64	\$70.73
27/32"	.8438	2-1/2"	9-1/2"	DWRR27/32	\$62.95	DWRRSP27/32	\$70.73
55/64"	.8594	2-5/8"	10"	DWRR55/64	\$68.58	DWRRSP55/64	\$79.63
7/8"	.8750	2-5/8"	10"	DWRR7/8	\$68.58	DWRRSP7/8	\$79.63
57/64"	.8906	2-5/8"	10"	DWRR57/64	\$69.68	DWRRSP57/64	\$79.63
29/32"	.9062	2-5/8"	10"	DWRR29/32	\$69.68	DWRRSP29/32	\$79.63
59/64"	.9219	2-5/8"	10"	DWRR59/64	\$69.68	DWRRSP59/64	\$89.86
15/16"	.9375	2-5/8"	10"	DWRR15/16	\$69.68	DWRRSP15/16	\$89.86



CHUCKING REAMERS

FRACTIONAL SIZES (CONTINUED)

				DWRR Series		DWRRSP Series	
Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
61/64"	.9531"	2-5/8"	10"	DWRR61/64	\$78.22	DWRRSP61/64	\$89.86
31/32"	.9688"	2-5/8"	10"	DWRR31/32	\$78.22	DWRRSP31/32	\$89.86
63/64"	.9844"	2-3/4"	10-1/2"	DWRR63/64	\$83.39	DWRRSP63/64	\$99.80
1"	1.0000"	2-3/4"	10-1/2"	DWRR1INCH	\$83.39	DWRRSP1INCH	\$99.80
1-1/16"	1.0625"	2-3/4"	10-1/2"	DWRR1-1/16	\$85.62	DWRRSP1-1/16	\$102.48
1-1/8"	1.1250"	2-7/8"	11"	DWRR1-1/8	\$98.59	DWRRSP1-1/8	\$112.97
1-3/16"	1.1875"	2-7/8"	11"	DWRR1-3/16	\$108.55	DWRRSP1-3/16	\$124.28
1-1/4"	1.2500"	3"	11-1/2"	DWRR1-1/4	\$121.25	DWRRSP1-1/4	\$139.20
1-5/16"	1.3125"	3"	11-1/2"	DWRR1-5/16	\$139.95	DWRRSP1-5/16	\$159.15
1-3/8"	1.3750"	3-1/4"	12"	DWRR1-3/8	\$155.05	DWRRSP1-3/8	\$174.82
1-7/16"	1.4375"	3-1/4"	12"	DWRR1-7/16	\$167.02	DWRRSP1-7/16	\$190.55
1-1/2"	1.5000"	3-1/2"	12-1/2"	DWRR1-1/2	\$180.40	DWRRSP1-1/2	\$205.98



DWRR Series

WIRE GAUGE SIZES

Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
1	.2280	1-1/2"	6"	DWRR1	\$17.72
2	.2210	1-1/2"	6"	DWRR2	\$17.72
3	.2130	1-1/4"	5"	DWRR3	\$17.72
4	.2090	1-1/4"	5"	DWRR4	\$17.72
5	.2055	1-1/4"	5"	DWRR5	\$17.72
6	.2040	1-1/4"	5"	DWRR6	\$17.72
7	.2010	1-1/4"	5"	DWRR7	\$17.72
8	.1990	1-1/4"	5"	DWRR8	\$17.72
9	.1960	1-1/4"	5"	DWRR9	\$17.72
10	.1935	1-1/4"	5"	DWRR10	\$17.72
11	.1910	1-1/4"	5"	DWRR11	\$17.72
12	.1890	1-1/8"	4-1/2"	DWRR12	\$17.72
13	.1850	1-1/8"	4-1/2"	DWRR13	\$16.30
14	.1820	1-1/8"	4-1/2"	DWRR14	\$16.30
15	.1800	1-1/8"	4-1/2"	DWRR15	\$16.30
16	.1770	1-1/8"	4-1/2"	DWRR16	\$16.30
17	.1730	1-1/8"	4-1/2"	DWRR17	\$16.30
18	.1695	1-1/8"	4-1/2"	DWRR18	\$16.30
19	.1660	1-1/8"	4-1/2"	DWRR19	\$16.30
20	.1610	1-1/8"	4-1/2"	DWRR20	\$16.30
21	.1590	1-1/8"	4-1/2"	DWRR21	\$16.30
22	.1570	1"	4"	DWRR22	\$14.88
23	.1540	1"	4"	DWRR23	\$14.88
24	.1520	1"	4"	DWRR24	\$14.88
25	.1495	1"	4"	DWRR25	\$14.88
26	.1470	1"	4"	DWRR26	\$14.88
27	.1440	1"	4"	DWRR27	\$14.88
28	.1405	1"	4"	DWRR28	\$14.88
29	.1360	1"	4"	DWRR29	\$14.88
30	.1285	7/8"	3-1/2"	DWRR30	\$12.96

Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
31	.1200	7/8"	3-1/2"	DWRR31	\$12.96
32	.1160	7/8"	3-1/2"	DWRR32	\$12.96
33	.1130	7/8"	3-1/2"	DWRR33	\$12.96
34	.1110	7/8"	3-1/2"	DWRR34	\$12.96
35	.1100	7/8"	3-1/2"	DWRR35	\$12.96
36	.1065	7/8"	3-1/2"	DWRR36	\$12.96
37	.1040	7/8"	3-1/2"	DWRR37	\$12.96
38	.1015	7/8"	3-1/2"	DWRR38	\$12.96
39	.0995	7/8"	3-1/2"	DWRR39	\$12.96
40	.0980	7/8"	3-1/2"	DWRR40	\$12.96
41	.0960	7/8"	3-1/2"	DWRR41	\$12.96
42	.0935	3/4"	3"	DWRR42	\$12.96
43	.0890	3/4"	3"	DWRR43	\$12.96
44	.0860	3/4"	3"	DWRR44	\$12.96
45	.0820	3/4"	3"	DWRR45	\$12.96
46	.0810	3/4"	3"	DWRR46	\$12.96
47	.0785	3/4"	3"	DWRR47	\$12.96
48	.0760	3/4"	3"	DWRR48	\$12.96
49	.0730	3/4"	3"	DWRR49	\$12.96
50	.0700	3/4"	3"	DWRR50	\$12.96
51	.0670	3/4"	3"	DWRR51	\$12.96
52	.0635	1/2"	2-1/2"	DWRR52	\$14.88
53	.0595	1/2"	2-1/2"	DWRR53	\$14.88
54	.0550	1/2"	2-1/2"	DWRR54	\$14.88
55	.0520	1/2"	2-1/2"	DWRR55	\$14.88
56	.0465	1/2"	2-1/2"	DWRR56	\$14.88
57	.0430	1/2"	2-1/2"	DWRR57	\$14.88
58	.0420	1/2"	2-1/2"	DWRR58	\$14.88
59	.0410	1/2"	2-1/2"	DWRR59	\$14.88
60	.0400	1/2"	2-1/2"	DWRR60	\$14.88

DWRR Series

LETTER SIZES

Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
A	.2340	1-1/2"	6"	DWRRRA	\$18.59
B	.2380	1-1/2"	6"	DWRRRB	\$18.59
C	.2420	1-1/2"	6"	DWRRRC	\$18.59
D	.2460	1-1/2"	6"	DWRRRD	\$18.59
E	.2500	1-1/2"	6"	DWRRRE	\$18.59
F	.2570	1-1/2"	6"	DWRRRF	\$18.59
G	.2610	1-1/2"	6"	DWRRRG	\$18.59
H	.2660	1-1/2"	6"	DWRRRH	\$19.97
I	.2720	1-1/2"	6"	DWRRRI	\$19.97
J	.2770	1-1/2"	6"	DWRRRJ	\$19.97
K	.2810	1-1/2"	6"	DWRRRK	\$19.97
L	.2900	1-1/2"	6"	DWRRRL	\$19.97
M	.2950	1-1/2"	6"	DWRRRM	\$19.97

Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
N	.3020	1-1/2"	6"	DWRRRN	\$19.97
O	.3160	1-1/2"	6"	DWRRRO	\$21.38
P	.3230	1-1/2"	6"	DWRRRP	\$21.38
Q	.3320	1-1/2"	6"	DWRRRQ	\$21.38
R	.3390	1-1/2"	6"	DWRRRR	\$21.38
S	.3480	1-3/4"	7"	DWRRRS	\$25.26
T	.3580	1-3/4"	7"	DWRRRT	\$25.26
U	.3680	1-3/4"	7"	DWRRRU	\$25.26
V	.3770	1-3/4"	7"	DWRRRV	\$25.26
W	.3860	1-3/4"	7"	DWRRRW	\$25.26
X	.3970	1-3/4"	7"	DWRRRX	\$25.26
Y	.4040	1-3/4"	7"	DWRRRY	\$25.26
Z	.4130	1-3/4"	7"	DWRRRZ	\$25.26

CHUCKING REAMERS

METRIC SIZES

DWRR Series

Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price	Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
1.5	.0591	1/2"	2-1/2"	DWRR1.5MM	\$26.25	10.0	.3937	1-3/4"	7"	DWRR10.0MM	\$40.18
2.0	.0787	3/4"	3"	DWRR2.0MM	\$24.88	11.0	.4331	1-3/4"	7"	DWRR11.0MM	\$43.47
2.5	.0984	7/8"	3-1/2"	DWRR2.5MM	\$20.42	12.0	.4724	2"	8"	DWRR12.0MM	\$43.47
3.0	.1181	7/8"	3-1/2"	DWRR3.0MM	\$20.42	13.0	.5118	2"	8"	DWRR13.0MM	\$52.67
3.5	.1378	1"	4"	DWRR3.5MM	\$20.42	14.0	.5512	2"	8"	DWRR14.0MM	\$56.78
4.0	.1575	1-1/8"	4-1/2"	DWRR4.0MM	\$21.30	15.0	.5906	2"	8"	DWRR15.0MM	\$60.16
4.5	.1772	1-1/8"	4-1/2"	DWRR4.5MM	\$22.19	16.0	.6299	2-1/4"	9"	DWRR16.0MM	\$65.95
5.0	.1969	1-1/4"	5"	DWRR5.0MM	\$22.19	17.0	.6693	2-1/4"	9"	DWRR17.0MM	\$80.90
5.5	.2165	1-1/4"	5"	DWRR5.5MM	\$24.72	18.0	.7087	2-1/4"	9"	DWRR18.0MM	\$80.90
6.0	.2362	1-1/2"	6"	DWRR6.0MM	\$23.70	19.0	.7480	2-1/2"	9-1/2"	DWRR19.0MM	\$84.29
6.5	.2559	1-1/2"	6"	DWRR6.5MM	\$28.31	20.0	.7874	2-1/2"	9-1/2"	DWRR20.0MM	\$84.29
7.0	.2756	1-1/2"	6"	DWRR7.0MM	\$27.15	21.0	.8268	2-1/2"	9-1/2"	DWRR21.0MM	\$119.81
7.5	.2953	1-1/2"	6"	DWRR7.5MM	\$33.45	22.0	.8661	2-5/8"	10"	DWRR22.0MM	\$128.25
8.0	.3150	1-1/2"	6"	DWRR8.0MM	\$32.06	23.0	.9055	2-5/8"	10"	DWRR23.0MM	\$140.46
8.5	.3346	1-1/2"	6"	DWRR8.5MM	\$37.53	24.0	.9449	2-3/4"	10-1/2"	DWRR24.0MM	\$149.60
9.0	.3543	1-3/4"	7"	DWRR9.0MM	\$35.98	25.0	.9843	2-3/4"	10-1/2"	DWRR25.0MM	\$184.49
9.5	.3740	1-3/4"	7"	DWRR9.5MM	\$41.90						

DWRRTS Series - Taper Shank Straight Flute

DWRRTSSP Series - Taper Shank Spiral Flute

TAPER SHANK FRACTIONAL SIZES



DWRRTS Series

DWRRTSS Series

Size	Dec. Equiv.	Morse Taper	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
1/4"	.2500	1	1-1/2"	6"	DWRRTS1/4	\$26.17	-	-
9/32"	.2813	1	1-1/2"	6"	DWRRTS9/32	\$27.12	-	-
5/16"	.3125	1	1-1/2"	6"	DWRRTS5/16	\$27.12	DWRRTSSP5/16	\$30.73
11/32"	.3438	1	1-1/2"	6"	DWRRTS11/32	\$29.30	-	-
3/8"	.3750	1	1-3/4"	7"	DWRRTS3/8	\$29.30	DWRRTSSP3/8	\$30.88
13/32"	.4063	1	1-3/4"	7"	DWRRTS13/32	\$29.30	DWRRTSSP13/32	\$34.17
7/16"	.4375	1	1-3/4"	7"	DWRRTS7/16	\$29.30	DWRRTSSP7/16	\$34.17
15/32"	.4688	1	1-3/4"	7"	DWRRTS15/32	\$32.72	-	-
1/2"	.5000	1	2"	8"	DWRRTS1/2	\$32.72	DWRRTSSP1/2	\$34.17
17/32"	.5313	1	2"	8"	DWRRTS17/32	\$37.43	DWRRTSSP17/32	\$41.29
9/16"	.5625	1	2"	8"	DWRRTS9/16	\$36.64	DWRRTSSP9/16	\$41.29
19/32"	.5938	1	2"	8"	DWRRTS19/32	\$40.61	DWRRTSSP19/32	\$44.55
5/8"	.6250	2	2-1/4"	9"	DWRRTS5/8	\$40.61	DWRRTSSP5/8	\$44.55
21/32"	.6563	2	2-1/4"	9"	DWRRTS21/32	\$45.88	DWRRTSSP21/32	\$48.21
11/16"	.6875	2	2-1/4"	9"	DWRRTS11/16	\$45.88	DWRRTSSP11/16	\$48.21
23/32"	.7188	2	2-1/4"	9"	DWRRTS23/32	\$49.27	DWRRTSSP23/32	\$54.34
3/4"	.7500	2	2-1/4"	9-1/2"	DWRRTS3/4	\$48.31	DWRRTSSP3/4	\$54.34
13/16"	.8125	2	2-1/2"	9-1/2"	DWRRTS13/16	\$57.94	DWRRTSSP13/16	\$63.71
7/8"	.8750	2	2-5/8"	10"	DWRRTS7/8	\$65.06	DWRRTSSP7/8	\$73.01
15/16"	.9375	2	2-5/8"	10"	DWRRTS15/16	\$80.16	DWRRTSSP15/16	\$79.82
1"	1.0000	3	2-3/4"	10-1/2"	DWRRTS1INCH	\$79.41	DWRRTSSP1INCH	\$88.75
1-1/16"	1.0625	3	2-3/4"	10-1/2"	DWRRTS1-1/16	\$92.46	DWRRTSSP1-1/16	\$102.02
1-1/8"	1.1250	3	2-7/8"	11"	DWRRTS1-1/8	\$92.46	DWRRTSSP1-1/8	\$112.73
1-3/16"	1.1875	3	2-7/8"	11"	DWRRTS1-3/16	\$112.15	DWRRTSSP1-3/16	\$122.68
1-1/4"	1.2500	4	3"	11-1/2"	DWRRTS1-1/4	\$121.40	DWRRTSSP1-1/4	\$134.86
1-5/16"	1.3125	4	3"	11-1/2"	DWRRTS1-5/16	\$141.72	DWRRTSSP1-5/16	\$154.09
1-3/8"	1.3750	4	3-1/4"	12"	DWRRTS1-3/8	\$153.13	DWRRTSSP1-3/8	\$166.75
1-7/16"	1.4375	4	3-1/4"	12"	DWRRTS1-7/16	\$165.93	DWRRTSSP1-7/16	\$181.63
1-1/2"	1.5000	4	3-1/2"	12-1/2"	DWRRTS1-1/2	\$177.30	DWRRTSSP1-1/2	\$192.84

REAMERS

“ O V E R / U N D E R ” D O W E L P I N R E A M E R S

DWRRDP Series

Size	Flute Length	O.A.L.	Part Number	List Price
*.1230	7/8"	3-1/2"	DWRRDP.1230	\$10.65
.1240	7/8"	3-1/2"	DWRRDP.1240	\$11.11
*.1247	7/8"	3-1/2"	DWRRDP.1247	\$10.65
.1260	7/8"	3-1/2"	DWRRDP.1260	\$11.11
*.1855	1-1/8"	4-1/2"	DWRRDP.1855	\$15.90
.1865	1-1/8"	4-1/2"	DWRRDP.1865	\$15.65
*.1870	1-1/8"	4-1/2"	DWRRDP.1870	\$15.90
.1885	1-1/8"	4-1/2"	DWRRDP.1885	\$16.35
*.2480	1-1/2"	6"	DWRRDP.2480	\$16.94
.2490	1-1/2"	6"	DWRRDP.2490	\$16.57
*.2495	1-1/2"	6"	DWRRDP.2495	\$16.94
.2510	1-1/2"	6"	DWRRDP.2510	\$16.57
*.3105	1-1/2"	6"	DWRRDP.3105	\$19.08
.3115	1-1/2"	6"	DWRRDP.3115	\$20.25

Size	Flute Length	O.A.L.	Part Number	List Price
*.3120	1-1/2"	6"	DWRRDP.3120	\$19.08
.3135	1-1/2"	6"	DWRRDP.3135	\$22.99
*.3730	1-3/4"	7"	DWRRDP.3730	\$22.90
.3740	1-3/4"	7"	DWRRDP.3740	\$24.42
*.3745	1-3/4"	7"	DWRRDP.3745	\$22.90
.3760	1-3/4"	7"	DWRRDP.3760	\$24.42
*.4355	1-3/4"	7"	DWRRDP.4355	\$24.42
.4365	1-3/4"	7"	DWRRDP.4365	\$27.23
*.4370	1-3/4"	7"	DWRRDP.4370	\$24.42
.4385	1-3/4"	7"	DWRRDP.4385	\$27.23
*.4980	2"	8"	DWRRDP.4980	\$27.23
.4990	2"	8"	DWRRDP.4990	\$27.23
*.4995	2"	8"	DWRRDP.4995	\$27.23
.5010	2"	8"	DWRRDP.5010	\$29.08

*Dowel Pin Sizes



S P E C I A L D E C I M A L S I Z E S

DWRR Series

Size	Size Range To	List Price
DWRR.0400	DWRR.0620	\$36.06
DWRR.0630	DWRR.1245	\$33.19
DWRR.1250	DWRR.1870	\$36.06
DWRR.1880	DWRR.2180	\$38.94
DWRR.2190	DWRR.2500	\$38.94
DWRR.2510	DWRR.2810	\$41.15
DWRR.2820	DWRR.3120	\$41.15
DWRR.3130	DWRR.3740	\$41.15
DWRR.3760	DWRR.4370	\$45.31

Size	Size Range To	List Price
DWRR.4380	DWRR.5000	\$52.89
DWRR.5010	DWRR.5620	\$66.89
DWRR.5630	DWRR.6250	\$65.43
DWRR.6260	DWRR.6880	\$76.11
DWRR.6890	DWRR.7450	\$88.69
DWRR.7460	DWRR.8110	\$92.49
DWRR.8120	DWRR.8780	\$114.50
DWRR.8790	DWRR1.0030	\$128.25

REAMERS

HSS MACHINE EXPANSION REAMERS

DWRRE Series - Straight Shank

DWRRETS Series - Taper Shank

An economical high production reamer. Expansion feature permits reamer to be resharpened many times to its original diameter therefore saving on replacement costs. These reamers are NOT for reaming oversized holes. They may be expanded only for the purpose of regrounding to the original size. Misuse of these tools may cause damage to the tool, the workpiece and injury to the operator.



FRACTIONAL SIZES

						DWRRE Series	DWRRETS Series		
Size	Dec. Equiv.	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price	Part Number	Shank	List Price
1/4"	.2500	15/64"	5/8"	6"	DWRRE1/4	\$124.97	-	-	-
5/16"	.3125	9/32"	11/16"	6"	DWRRE5/16	\$124.97	-	-	-
3/8"	.3750	5/16"	3/4"	7"	DWRRE3/8	\$103.48	DWRRETS3/8	1MT	\$115.85
13/32"	.4063	5/16"	3/4"	7"	DWRRE13/32	\$121.01	DWRRETS13/32	1MT	\$152.87
7/16"	.4375	3/8"	7/8"	7"	DWRRE7/16	\$98.35	DWRRETS7/16	1MT	\$118.31
15/32"	.4688	27/64"	7/8"	7"	DWRRE15/32	\$113.81	DWRRETS15/32	1MT	\$138.17
1/2"	.5000	7/16"	1"	8"	DWRRE1/2	\$98.35	DWRRETS1/2	1MT	\$110.73
17/32"	.5313	7/16"	1"	8"	DWRRE17/32	\$114.20	DWRRETS17/32	1MT	\$144.72
9/16"	.5625	7/16"	1-1/8"	8"	DWRRE9/16	\$110.07	DWRRETS9/16	1MT	\$116.10
19/32"	.5938	7/16"	1-1/8"	8"	DWRRE19/32	\$126.15	DWRRETS19/32	1MT	\$150.31
5/8"	.6250	9/16"	1-1/4"	9"	DWRRE5/8	\$111.01	DWRRETS5/8	2MT	\$123.37
21/32"	.6563	9/16"	1-1/4"	9"	DWRRE21/32	\$124.94	DWRRETS21/32	2MT	\$138.74
11/16"	.6875	9/16"	1-1/4"	9"	DWRRE11/16	\$121.24	DWRRETS11/16	2MT	\$129.43
23/32"	.7188	9/16"	1-1/4"	9"	DWRRE23/32	\$133.61	DWRRETS23/32	2MT	\$148.67
3/4"	.7500	5/8"	1-3/4"	9-1/2"	DWRRE3/4	\$126.90	DWRRETS3/4	2MT	\$140.48
25/32"	.7813	5/8"	1-3/4"	9-1/2"	DWRRE25/32	\$135.68	DWRRETS25/32	2MT	\$155.01
13/16"	.8125	5/8"	1-3/4"	9-1/2"	DWRRE13/16	\$140.78	DWRRETS13/16	2MT	\$149.02
27/32"	.8438	5/8"	1-3/4"	9-1/2"	DWRRE27/32	\$148.41	DWRRETS27/32	2MT	\$157.75
7/8"	.8750	3/4"	1-1/2"	10"	DWRRE7/8	\$151.35	DWRRETS7/8	2MT	\$163.99
29/32"	.9063	3/4"	1-1/2"	10"	DWRRE29/32	\$159.05	DWRRETS29/32	2MT	\$172.49
15/16"	.9375	3/4"	1-1/2"	10"	DWRRE15/16	\$166.57	DWRRETS15/16	3MT	\$176.64
31/32"	.9688	3/4"	1-1/2"	10"	DWRRE31/32	\$170.85	DWRRETS31/32	3MT	\$184.21
1"	1.0000	7/8"	1-5/8"	10-1/2"	DWRRE1INCH	\$174.88	DWRRETS1INCH	3MT	\$192.96
1-1/32"	1.0313	7/8"	1-5/8"	10-1/2"	DWRRE1-1/32	\$201.78	DWRRETS1-1/32	3MT	\$220.25
1-1/16"	1.0625	7/8"	1-5/8"	10-1/2"	DWRRE1-1/16	\$210.56	DWRRETS1-1/16	3MT	\$230.81
1-3/32"	1.0938	7/8"	1-5/8"	10-1/2"	DWRRE1-3/32	\$227.23	DWRRETS1-3/32	3MT	\$241.02
1-1/8"	1.1250	7/8"	1-3/4"	11"	DWRRE1-1/8	\$237.35	DWRRETS1-1/8	3MT	\$249.33
1-5/32"	1.1563	7/8"	1-3/4"	11"	DWRRE1-5/32	\$244.07	DWRRETS1-5/32	3MT	\$259.78
1-3/16"	1.1875	1"	1-3/4"	11"	DWRRE1-3/16	\$252.24	DWRRETS1-3/16	3MT	\$270.06
1-7/32"	1.2188	1"	1-3/4"	11"	DWRRE1-7/32	\$267.60	DWRRETS1-7/32	4MT	\$280.51
1-1/4"	1.2500	1"	1-7/8"	11-1/2"	DWRRE1-1/4	\$271.91	DWRRETS1-1/4	4MT	\$293.54
1-5/16"	1.3125	1"	1-7/8"	11-1/2"	DWRRE1-5/16	\$288.67	DWRRETS1-5/16	4MT	\$304.94
1-3/8"	1.3750	1"	2"	12"	DWRRE1-3/8	\$294.28	DWRRETS1-3/8	4MT	\$317.64
1-7/16"	1.4375	1-1/4"	2"	12"	DWRRE1-7/16	\$305.54	DWRRETS1-7/16	4MT	\$336.29
1-1/2"	1.5000	1-1/4"	2-1/8"	12-1/2"	DWRRE1-1/2	\$312.68	DWRRETS1-1/2	4MT	\$347.72
1-9/16"	1.5625	1-1/4"	2-1/8"	12-1/2"	DWRRE1-9/16	\$356.53	DWRRETS1-9/16	4MT	\$394.35
1-5/8"	1.6250	1-1/4"	2-1/4"	13"	DWRRE1-5/8	\$393.13	DWRRETS1-5/8	4MT	\$394.35
1-11/16"	1.6875	1-1/4"	2-1/4"	13"	DWRRE1-11/16	\$406.80	DWRRETS1-11/16	4MT	\$437.11
1-3/4"	1.7500	1-1/4"	2-3/8"	13-1/2"	DWRRE1-3/4	\$417.65	DWRRETS1-3/4	5MT	\$483.28
1-13/16"	1.8125	1-1/2"	2-3/8"	13-1/2"	DWRRE1-13/16	\$419.46	DWRRETS1-13/16	5MT	\$483.28
1-7/8"	1.8750	1-1/2"	2-1/2"	14"	DWRRE1-7/8	\$436.55	DWRRETS1-7/8	5MT	\$483.28
1-15/16"	1.9375	1-1/2"	2-1/2"	14"	DWRRE1-15/16	\$486.43	DWRRETS1-15/16	5MT	\$578.33
2"	2.0000	1-1/2"	2-1/2"	14"	DWRRE2INCH	\$498.56	--	--	--

REAMERS

HSS HAND REAMERS

DWRRHD Series - Straight Flute

DWRRHDSP Series - Spiral Flute

Hand reamers are made of high-speed steel and are generally used by hand for the final sizing of holes. The square on the shank is suitable for holding in a tap wrench or a vise depending on whether the reamer or the part is rotated. A long starting taper is ground into the reamer for easy entry and accurate alignment. The straight-flute hand reamer is recommended for most hand reaming applications. The spiral-flute hand reamer is recommended for applications where there is an interrupted cut such as a keyway.

			DWRRHD Series		DWRRHDSP Series	
Size	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
1/8"	1-1/2"	3"	DWRRHD1/8	\$32.89	-	-
5/32"	1-5/8"	3-1/4"	DWRRHD5/32	\$35.59	-	-
11/64"	1-3/4"	3-1/2"	DWRRHD11/64	\$35.59	-	-
3/16"	1-3/4"	3-1/2"	DWRRHD3/16	\$34.90	-	-
7/32"	1-7/8"	3-3/4"	DWRRHD7/32	\$38.35	-	-
1/4"	2"	4"	DWRRHD1/4	\$36.98	DWRRHDSP1/4	\$41.67
17/64"	2-1/8"	4-1/4"	DWRRHD17/64	\$41.16	-	-
9/32"	2-1/8"	4-1/2"	DWRRHD9/32	\$41.16	-	-
19/64"	2-1/4"	4-1/2"	DWRRHD19/64	\$41.16	-	-
5/16"	2-1/4"	4-1/2"	DWRRHD5/16	\$40.45	DWRRHDSP5/16	\$44.36
21/64"	2-3/8"	4-3/4"	DWRRHD21/64	\$47.72	-	-
11/32"	2-3/8"	4-3/4"	DWRRHD11/32	\$47.20	-	-
23/64"	2-1/2"	5"	DWRRHD23/64	\$47.72	-	-
3/8"	2-1/2"	5"	DWRRHD3/8	\$46.74	DWRRHDSP3/8	\$52.81
13/32"	2-5/8"	5-1/4"	DWRRHD13/32	\$54.01	-	-
7/16"	2-3/4"	5-1/2"	DWRRHD7/16	\$50.31	DWRRHDSP7/16	\$58.98
29/64"	2-7/8"	5-3/4"	DWRRHD29/64	\$58.66	-	-
15/32"	2-7/8"	5-3/4"	DWRRHD15/32	\$58.66	-	-
1/2"	3"	6"	DWRRHD1/2	\$56.51	DWRRHDSP1/2	\$62.94
17/32"	3-1/8"	6-1/4"	DWRRHD17/32	\$67.93	DWRRHDSP17/32	\$78.22
35/64"	3-1/4"	6-1/2"	DWRRHD35/64	\$67.93	-	-
9/16"	3-1/4"	6-1/2"	DWRRHD9/16	\$67.93	DWRRHDSP9/16	\$75.44
19/32"	3-3/8"	6-3/4"	DWRRHD19/32	\$76.40	DWRRHDSP19/32	\$83.60
5/8"	3-1/2"	7"	DWRRHD5/8	\$72.13	DWRRHDSP5/8	\$81.46
41/64"	3-11/16"	7-3/8"	DWRRHD41/64	\$88.57	-	-
21/32"	3-11/16"	7-3/8"	DWRRHD21/32	\$82.93	DWRRHDSP21/32	\$91.23
11/16"	3-7/8"	7-3/4"	DWRRHD11/16	\$78.13	DWRRHDSP11/16	\$88.07
45/64"	4-1/16"	8-1/8"	DWRRHD45/64	\$96.04	-	-
23/32"	4-1/16"	8-1/8"	DWRRHD23/32	\$89.07	DWRRHDSP23/32	\$96.61
3/4"	4-3/16"	8-3/8"	DWRRHD3/4	\$84.74	DWRRHDSP3/4	\$94.07
25/32"	4-3/8"	8-3/4"	DWRRHD25/32	\$99.18	DWRRHDSP25/32	\$105.15
13/16"	4-9/16"	9-1/8"	DWRRHD13/16	\$99.18	DWRRHDSP13/16	\$100.39
27/32"	4-11/16"	9-3/8"	DWRRHD27/32	\$105.15	DWRRHDSP27/32	\$114.30
7/8"	4-7/8"	9-3/4"	DWRRHD7/8	\$100.39	DWRRHDSP7/8	\$109.41
29/32"	5"	10"	DWRRHD29/32	\$120.21	DWRRHDSP29/32	\$128.12
15/16"	5-1/8"	10-1/4"	DWRRHD15/16	\$120.21	DWRRHDSP15/16	\$125.03
31/32"	5-5/16"	10-5/8"	DWRRHD31/32	\$127.41	DWRRHDSP31/32	\$141.10
1"	5-7/16"	10-7/8"	DWRRHD1INCH	\$122.31	DWRRHDSP1INCH	\$136.15
1-1/16"	5-5/8"	11-1/4"	DWRRHD1-1/16	\$174.39	DWRRHDSP1-1/16	\$182.10
1-1/8"	5-13/16"	11-5/8"	DWRRHD1-1/8	\$169.83	DWRRHDSP1-1/8	\$182.10
1-3/16"	6"	12"	DWRRHD1-3/16	\$216.71	DWRRHDSP1-3/16	\$224.07
1-1/4"	6-1/8"	12-1/4"	DWRRHD1-1/4	\$219.48	DWRRHDSP1-1/4	\$224.07
1-5/16"	6-1/4"	12-1/2"	DWRRHD1-5/16	\$259.33	DWRRHDSP1-5/16	\$264.71
1-3/8"	6-5/16"	12-5/8"	DWRRHD1-3/8	\$247.29	DWRRHDSP1-3/8	\$264.71
1-7/16"	6-7/16"	12-7/8"	DWRRHD1-7/16	\$306.37	DWRRHDSP1-7/16	\$313.04
1-1/2"	6-1/2"	13"	DWRRHD1-1/2	\$294.82	DWRRHDSP1-1/2	\$313.04



REAMERS

HSS HAND REAMERS

DWRRHDE Series - Straight Flute Hand Expansion Reamers

DWRRHDES Series - Spiral Flute Hand Expansion Reamers

Hand Expansion Reamers are used to enlarge holes in order to get proper fit. Adjusting screw is tightened to get proper size.

FRACTIONAL SIZES

			DWRRHDE Series		DWRRHDES Series	
Size	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
3/16"	1-1/8"	3-3/8"	DWRRHDE3/16	\$175.40	DWRRHDES3/16	\$175.40
1/4"	1-7/16"	3-7/8"	DWRRHDE1/4	\$165.08	DWRRHDES1/4	\$175.40
9/32"	1-3/4"	4"	DWRRHDE9/32	\$162.33	DWRRHDES9/32	\$185.71
5/16"	1-3/4"	4"	DWRRHDE5/16	\$162.33	DWRRHDES5/16	\$185.71
3/8"	1-3/4"	4-1/4"	DWRRHDE3/8	\$175.40	DWRRHDES3/8	\$185.71
13/32"	1-3/4"	4-1/2"	DWRRHDE13/32	\$185.71	DWRRHDES13/32	\$201.20
7/16"	1-3/4"	4-1/2"	DWRRHDE7/16	\$185.71	DWRRHDES7/16	\$201.20
15/32"	1-3/4"	5"	--	--	DWRRHDES15/32	\$210.76
1/2"	1-13/16"	5"	DWRRHDE1/2	\$198.51	DWRRHDES1/2	\$210.76
17/32"	2-1/8"	5-1/2"	DWRRHDE17/32	\$213.96	DWRRHDES17/32	\$227.04
9/16"	2-1/8"	5-1/2"	DWRRHDE9/16	\$213.96	DWRRHDES9/16	\$227.04
19/32"	2-1/2"	6"	DWRRHDE19/32	\$232.24	DWRRHDES19/32	\$242.25
5/8"	2-1/2"	6"	DWRRHDE5/8	\$232.24	DWRRHDES5/8	\$242.25
21/32"	2-1/2"	6-1/4"	DWRRHDE21/32	\$244.94	-	-
11/16"	2-1/2"	6-1/4"	DWRRHDE11/16	\$244.94	DWRRHDES11/16	\$257.81
23/32"	2-11/16"	6-9/16"	DWRRHDE23/32	\$270.81	DWRRHDES23/32	\$273.27
3/4"	2-11/16"	6-9/16"	DWRRHDE3/4	\$270.81	DWRRHDES3/4	\$273.27
13/16"	3-1/16"	7-1/16"	DWRRHDE13/16	\$283.59	DWRRHDES13/16	\$288.80
7/8"	3-5/16"	7-1/2"	DWRRHDE7/8	\$303.17	DWRRHDES7/8	\$303.17
15/16"	3-9/16"	7-7/8"	DWRRHDE15/16	\$317.24	DWRRHDES15/16	\$314.62
1"	3-3/4"	8-3/8"	DWRRHDE1INCH	\$330.12	DWRRHDES1INCH	\$335.24
1-1/16"	4"	8-11/16"	DWRRHDE1-1/16	\$404.52	DWRRHDES1-1/16	\$404.42
1-1/8"	4-1/8"	9-1/2"	DWRRHDE1-1/8	\$440.89	DWRRHDES1-1/8	\$446.55
1-3/16"	4-1/4"	9-3/8"	DWRRHDE1-3/16	\$485.87	DWRRHDES1-3/16	\$491.55
1-1/4"	4-3/8"	9-3/4"	DWRRHDE1-1/4	\$525.30	DWRRHDES1-1/4	\$544.89
1-5/16"	4-1/2"	10-1/8"	DWRRHDE1-5/16	\$606.69	DWRRHDES1-5/16	\$617.89
1-3/8"	4-9/16"	10-1/2"	DWRRHDE1-3/8	\$648.77	DWRRHDES1-3/8	\$674.06
1-7/16"	4-3/4"	10-7/8"	--	--	DWRRHDES1-7/16	\$775.26
1-1/2"	4-13/16"	11-1/8"	DWRRHDE1-1/2	\$814.51	DWRRHDES1-1/2	\$842.41
1-5/8"	4-7/8"	11-1/2"	DWRRHDE1-5/8	\$920.11	DWRRHDES1-5/8	\$963.93
1-3/4"	5"	11-7/8"	DWRRHDE1-3/4	\$993.10	DWRRHDES1-3/4	\$1,051.58



BALL JOINT TAPER REAMERS

DWRBJR Series - Ball Joint Taper Reamers

High Speed Steel Ball Joint Taper Reamers are for use in enlarging or deburring tapered holes. They are commonly used in ball joint studs and tie-rod ends. Ball Joint Taper Reamers can also be used in a 1/2" chuck by simply removing the T-handle.

DWRBJR Series					
Small End	Large End	Flute Length	O.A.L.	Part Number	List Price
7/16"	1"	4-1/2"	6-1/2"	DWRBJR7/16	\$126.67
3/4"	1-5/16"	4-1/2"	6-1/2"	DWRBJR3/4	\$153.17
15/16"	1-1/2"	4-1/2"	6-1/2"	DWRBJR15/16	\$169.76



BRIDGE REAMERS

DWRRB Series - High Speed Spiral Flute Taper Shank

DWRRBST Series - High Speed Straight Flute Taper Shank

Designed for hard service, these reamers are especially suitable for use in structural iron or steel bridgework and ship construction in lining up bolt or rivet holes. They have a sharp point and long taper for easy entry in badly misaligned holes. The taper shank bridge reamer is commonly used in electric and pneumatic portable equipment.

					DWRRB Series		DWRRBST Series	
Size	Point Dia.	Morse Taper	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
3/8"	7/32"	2	4-3/8"	8-1/4"	DWRRB3/8	\$63.37	-	-
7/16"	17/64"	2	4-3/8"	8-1/4"	DWRRB7/16	\$50.92	DWRRBST7/16	\$61.02
1/2"	5/16"	2	5-1/8"	9"	DWRRB1/2	\$53.94	DWRRBST1/2	\$61.02
9/16"	3/8"	2	5-1/8"	9"	DWRRB9/16	\$56.47	DWRRBST9/16	\$61.02
5/8"	25/64"	2	6-1/8"	10"	DWRRB5/8	\$63.89	DWRRBST5/8	\$83.10
11/16"	13/32"	3	7-1/8"	11-3/4"	DWRRB11/16	\$86.26	DWRRBST11/16	\$87.27
3/4"	15/32"	3	7-3/8"	12"	DWRRB3/4	\$94.31	DWRRBST3/4	\$95.47
13/16"	35/64"	3	7-3/8"	12"	DWRRB13/16	\$97.39	DWRRBST13/16	\$101.21
7/8"	39/64"	3	7-3/8"	12"	DWRRB7/8	\$112.60	DWRRBST7/8	\$112.70
15/16"	43/64"	3	7-3/8"	12"	DWRRB15/16	\$111.12	DWRRBST15/16	\$114.86
1"	47/64"	3	7-3/8"	12"	DWRRB1INCH	\$129.24	DWRRBST1INCH	\$129.33
1-1/16"	13/16"	3	7-3/8"	12"	DWRRB1-1/16	\$142.08	DWRRBST1-1/16	\$139.47
1-1/8"	55/64"	3	7-3/8"	12"	DWRRB1-1/8	\$158.57	DWRRBST1-1/8	\$166.69
1-3/16"	59/64"	3	7-3/8"	12"	DWRRB1-3/16	\$186.59	DWRRBST1-3/16	\$183.37
1-1/4"	63/64"	4	7-3/8"	13"	DWRRB1-1/4	\$187.19	DWRRBST1-1/4	\$210.92
1-5/16"	1-1/16"	4	7-3/8"	13"	DWRRB1-5/16	\$214.76	DWRRBST1-5/16	\$210.92
1-3/8"	1-1/8"	4	7-3/8"	13"	DWRRB1-3/8	\$337.12	DWRRBST1-3/8	\$337.12
1-7/16"	1-3/16"	4	7-3/8"	13"	DWRRB1-7/16	\$344.57	DWRRBST1-7/16	\$344.57
1-1/2"	1-1/4"	4	7-3/8"	13"	DWRRB1-1/2	\$407.11	DWRRBST1-1/2	\$407.11
1-9/16"	1-1/4"	4	7-3/8"	13"	DWRRB1-9/16	\$447.62	DWRRBST1-9/16	\$447.62
1-5/8"	1-3/8"	4	7-3/8"	13"	DWRRB1-5/8	\$447.62	DWRRBST1-5/8	\$447.62
1-11/16"	1-3/8"	4	7-3/8"	13"	DWRRB1-11/16	\$470.66	DWRRBST1-11/16	\$470.66
1-3/4"	1-7/16"	4	7-3/8"	13"	DWRRB1-3/4	\$569.40	DWRRBST1-3/4	\$569.40
1-13/16"	1-7/16"	4	7-3/8"	13"	DWRRB1-13/16	\$569.40	DWRRBST1-13/16	\$569.40
1-7/8"	1-1/2"	4	7-3/8"	13"	DWRRB1-7/8	\$569.40	DWRRBST1-7/8	\$569.40
1-15/16"	1-1/2"	4	7-3/8"	13"	DWRRB1-15/16	\$658.26	DWRRBST1-15/16	\$658.26
2"	1-3/4"	4	7-3/8"	13"	DWRRB2INCH	\$661.58	-	-



DWRRBSS Series - High Speed Black and Bright

KFDRBSS Series - High Speed Black and Gold

1 / 2 " R O U N D S H A N K

Used to align existing holes prior to bolt or rivet installation. Point is tapered to permit entry into overlapping holes. Three symmetrically placed flats on shank provide positive grip in portable electric and pneumatic tools. *Sizes 3/8" and 7/8" have straight shanks. 5 Piece set includes sizes 3/8", 1/2", 9/16", 5/8" and 3/4". 12 Piece Set includes sizes 3/8" - 1-1/16".

Piece Set includes sizes % - 1-1/16".

				DWRRBSS Series		KFDRBSS Series	
Size	Point Dia.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
3/8"	7/32"	2-3/4"	4-5/8"	DWRRBSS3/8	\$61.86	KFDRBSS3/8	\$62.96
7/16"	17/64"	3-1/2"	5-3/8"	DWRRBSS7/16	\$61.86	KFDRBSS7/16	\$65.88
1/2"	5/16"	4"	5-7/8"	DWRRBSS1/2	\$73.18	KFDRBSS1/2	\$76.84
9/16"	3/8"	4"	5-7/8"	DWRRBSS9/16	\$77.00	KFDRBSS9/16	\$80.85
5/8"	25/64"	4-1/2"	6-3/8"	DWRRBSS5/8	\$88.79	KFDRBSS5/8	\$93.23
11/16"	13/32"	4-1/2"	6-3/8"	DWRRBSS11/16	\$106.27	KFDRBSS11/16	\$111.58
3/4"	15/32"	5"	6-7/8"	DWRRBSS3/4	\$114.56	KFDRBSS3/4	\$120.30
13/16"	35/64"	5"	6-7/8"	DWRRBSS13/16	\$124.10	KFDRBSS13/16	\$142.10
7/8"	39/64"	5"	6-7/8"	DWRRBSS7/8	\$137.78	KFDRBSS7/8	\$150.56
15/16"	43/64"	5"	6-7/8"	DWRRBSS15/16	\$141.93	KFDRBSS15/16	\$164.48
1"	47/64"	5"	6-7/8"	DWRRBSS1INCH	\$157.52	KFDRBSS1INCH	\$188.67
1-1/16"	13/16"	5"	6-7/8"	DWRRBSS1-1/16	\$173.11	KFDRBSS1-1/16	\$201.79
5 PC.	--	--	--	DWRRBSS5PC-SET	\$397.50	KFDRBSS5PC-SET	\$418.70
12 PC.	--	--	--	DWRRBSS-SET	\$1,314.40	--	--



REAMERS

HEX SHANK BRIDGE REAMERS

DWRRBHEX Series - High Speed Black and Bright

KFDRBHEX Series - High Speed Black and Gold

Used to align existing holes prior to bolt or rivet installation. Point is tapered to permit entry into overlapping holes. Short length facilitates use in areas with limited access. Heavy-duty hex shank designed for portable pneumatic tools.

				DWRRBHEX Series		KFDRBHEX Series	
Size	Point Dia.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
9/16"	3/8"	5"	6-7/8"	DWRRB9/16HEX	\$78.36	-	-
11/16"	13/32"	5"	6-7/8"	DWRRB11/16HEX	\$103.40	KFDRB11/16HEX	\$116.31
3/4"	15/32"	5"	6-7/8"	DWRRB3/4HEX	\$111.49	--	--
13/16"	35/64"	5"	6-7/8"	DWRRB13/16HEX	\$111.51	KFDRB13/16HEX	\$142.33
7/8"	39/64"	5"	6-7/8"	DWRRB7/8HEX	\$129.49	-	-
15/16"	43/64"	5"	6-7/8"	DWRRB15/16HEX	\$128.03	KFDRB15/16HEX	\$167.18
1"	47/64"	5"	6-7/8"	DWRRB1HEX	\$148.62	-	-
1-1/16"	13/16"	5"	6-7/8"	DWRRB1-1/16HEX	\$156.14	KFDRB1-1/16HEX	\$214.77
1-1/8"	55/64"	5"	6-7/8"	DWRRB1-1/8HEX	\$182.35	-	-
1-3/16"	59/64"	5"	6-7/8"	DWRRB1-3/16HEX	\$191.30	KFDRB1-3/16HEX	\$265.92
1-1/4"	63/64"	5"	6-7/8"	DWRRB1-1/4HEX	\$215.26	-	-
1-5/16"	1-1/16"	5"	6-7/8"	DWRRB1-5/16HEX	\$246.97	-	-



HEX SHANK LONG LENGTH BRIDGE REAMERS

				DWRRBHEX Series		KFDRBHEX Series	
Size	Point Dia.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
9/16"	3/8"	5-1/8"	9"	DWRRB9/16HEX-LONG	\$98.12	KFDRB9/16HEX-LONG	\$107.93
11/16"	13/32"	7-1/8"	11-3/4"	DWRRB11/16HEX-LONG	\$130.01	KFDRB11/16HEX-LONG	\$143.02
13/16"	35/64"	7-3/8"	12"	DWRRB13/16HEX-LONG	\$140.15	KFDRB13/16HEX-LONG	\$154.17
15/16"	43/64"	7-3/8"	12"	DWRRB15/16HEX-LONG	\$152.67	KFDRB15/16HEX-LONG	\$181.09
1-1/16"	13/16"	7-3/8"	12"	DWRRB1-1/16HEX-LONG	\$180.96	KFDRB1-1/16HEX-LONG	\$232.67
1-3/16"	59/64"	7-3/8"	12"	DWRRB1-3/16HEX-LONG	\$213.13	KFDRB1-3/16HEX-LONG	\$288.32

MAGNETIC HEX SHANK BRIDGE REAMERS

DWRRBHEX-MAG Series - High Speed Black and Bright

KFDRBHEX-MAG Series - High Speed Black and Gold

For additional safety, magnet is embedded in hex shank to secure reamer in socket.

				DWRRBHEX-MAG Series		KFDRBHEX-MAG Series	
Size	Point Dia.	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price
9/16"	3/8"	5"	6-7/8"	DWRRB9/16HEX-MAG	\$109.70	KFDRB9/16HEX-MAG	\$142.98
11/16"	13/32"	5"	6-7/8"	DWRRB11/16HEX-MAG	\$144.76	KFDRB11/16HEX-MAG	\$162.84
3/4"	15/32"	5"	6-7/8"	DWRRB3/4HEX-MAG	\$156.09	-	-
13/16"	35/64"	5"	6-7/8"	DWRRB13/16HEX-MAG	\$156.12	KFDRB13/16HEX-MAG	\$199.26
7/8"	39/64"	5"	6-7/8"	DWRRB7/8HEX-MAG	\$181.28	-	-
15/16"	43/64"	5"	6-7/8"	DWRRB15/16HEX-MAG	\$179.24	KFDRB15/16HEX-MAG	\$234.06
1"	47/64"	5"	6-7/8"	DWRRB1HEX-MAG	\$208.07	KFDRB1HEX-MAG	\$291.29
1-1/16"	13/16"	5"	6-7/8"	DWRRB1-1/16HEX-MAG	\$218.59	KFDRB1-1/16HEX-MAG	\$300.67
1-1/8"	55/64"	5"	6-7/8"	DWRRB1-1/8HEX-MAG	\$255.29	KFDRB1-1/8HEX-MAG	\$357.41
1-3/16"	59/64"	5"	6-7/8"	DWRRB1-3/16HEX-MAG	\$267.82	KFDRB1-3/16HEX-MAG	\$372.29
1-1/4"	63/64"	5"	6-7/8"	DWRRB1-1/4HEX-MAG	\$301.37	-	-
1-5/16"	1-1/16"	5"	6-7/8"	DWRRB1-5/16HEX-MAG	\$345.76	KFDRB1-5/16HEX-MAG	\$484.05
1-3/8"	1-1/8"	5"	6-7/8"	DWRRB1-3/8HEX-MAG	\$542.76	-	-

LONG MAGNETIC HEX SHANK BRIDGE REAMERS

				KFDRBHEX-LONG-MAG Series	
Size	Point Dia.	Flute Length	O.A.L.	Part Number	List Price
9/16"	3/8"	5-1/8"	9"	KFDRB9/16HEX-LONG-MAG	\$151.10
11/16"	13/32"	7-1/8"	11-3/4"	KFDRB11/16HEX-LONG-MAG	\$200.22
13/16"	35/64"	7-3/8"	12"	KFDRB13/16HEX-LONG-MAG	\$215.84
15/16"	43/64"	7-3/8"	12"	KFDRB15/16HEX-LONG-MAG	\$253.53
1-1/16"	13/16"	7-3/8"	12"	KFDRB1-1/16HEX-LONG-MAG	\$325.74
1-3/16"	59/64"	7-3/8"	12"	KFDRB1-3/16HEX-LONG-MAG	\$403.65

REAMERS

T S S T R A I G H T F L U T E C A R R E A M E R S

DWRCAR Series

Size	Morse Taper	Flute Length	O.A.L.	Part Number	List Price
11/16"	3	4-1/2"	8-13/16"	DWRCARST11/16	\$79.24
13/16"	3	5"	9-1/2"	DWRCARST13/16	\$97.75
15/16"	3	5"	9-1/2"	DWRCARST15/16	\$110.91
1"	3	5"	9-1/2"	DWRCARST1INCH	\$129.81



T S S P I R A L F L U T E C A R R E A M E R S

DWRCAR Series

Size	Morse Taper	Flute Length	O.A.L.	Part Number	List Price
3/8"	1	2-3/4"	5-11/16"	DWRCAR3/8	\$64.88
7/16"	2	3-1/2"	6-15/16"	DWRCAR7/16	\$52.13
11/16"	3	4-1/2"	8-13/16"	DWRCAR11/16	\$80.29
13/16"	3	5"	9-1/2"	DWRCAR13/16	\$90.62
15/16"	3	5"	9-1/2"	DWRCAR15/16	\$103.42
1"	3	5"	9-1/2"	DWRCAR1INCH	\$120.30
1-1/16"	3	5"	9-1/2"	DWRCAR1-1/16	\$132.21
1-3/16"	3	5"	9-1/2"	DWRCAR1-3/16	\$164.98



N P T T A P E R P I P E R E A M E R S

Taper pipe reamers are made with a taper of 3/4" per foot and are designed for reaming holes to be tapped with American Standard taper pipe taps. Taper reamer use prior to tapping with taper pipe taps provides threads of better quality and are recommended when tapping Dryseal, NPT, and Military Aeronautical Pipe Thread Specification, ANPT. The spiral fluted reamers have left hand spiral, right hand cutting flutes.

DWRTPR Series

Straight Flute						Spiral Flute	
Size	Flute Length	Range Diameter	O.A.L.	Part Number	List Price	Part Number	List Price
1/16"	3/4"	11/32–19/64"	2"	DWRTPR1/16	\$33.99	DWRTPRS1/16	\$40.72
1/8"	3/4"	23/64–5/16"	2-1/8"	DWRTPR1/8	\$34.00	DWRTPRS1/8	\$39.13
1/4"	1-1/16"	15/32–13/32"	2-7/16"	DWRTPR1/4	\$43.26	DWRTPRS1/4	\$51.51
3/8"	1-1/16"	39/64–17/32"	2-9/16"	DWRTPR3/8	\$46.09	DWRTPRS3/8	\$55.63
1/2"	1-3/8"	3/4–21/32"	3-1/8"	DWRTPR1/2	\$61.11	DWRTPRS1/2	\$73.49
3/4"	1-3/8"	61/64–7/8"	3-1/4"	DWRTPR3/4	\$84.45	DWRTPRS3/4	\$100.90
1"	1-3/4"	1-13/64–1-3/32"	3-3/4"	DWRTPR1INCH	\$134.51	DWRTPRS1INCH	\$142.60
1-1/4"	1-3/4"	1-35/64–1-7/16"	4"	DWRTPR1-1/4	\$222.13	DWRTPRS1-1/4	\$232.02
1-1/2"	1-3/4"	1-51/64–1-11/16"	4-1/4"	DWRTPR1-1/2	\$295.92	DWRTPRS1-1/2	\$282.47
2"	1-3/4"	2-17/64–2-5/32"	4-1/2"	DWRTPR2INCH	\$396.78	DWRTPRS2INCH	\$374.71



REAMERS

HSS ADJUSTABLE HAND REAMERS

DWRRADJ Series

Reamers expand by loosening one adjusting nut and tightening the other. Each reamer expands to the next size.

DWRRADJ Series

Size	Range	O.A.L.	Part Number	List Price
8/A	1/4"–9/32"	3-1/4"	DWRRADJ8/A	\$51.17
7/A	9/32"–5/16"	3-1/2"	DWRRADJ7/A	\$51.17
6/A	5/16"–11/32"	4-1/8"	DWRRADJ6/A	\$45.05
5/A	11/32"–3/8"	4-3/8"	DWRRADJ5/A	\$45.05
4/A	3/8"–13/32"	4-3/4"	DWRRADJ4/A	\$47.29
3/A	13/32"–7/16"	5"	DWRRADJ3/A	\$52.17
2/A	7/16"–15/32"	5-1/4"	DWRRADJ2/A	\$52.17
A	15/32"–17/32"	5-1/2"	DWRRADJA	\$55.65
B	17/32"–19/32"	5-3/4"	DWRRADJB	\$55.65
C	19/32"–21/32"	6-1/2"	DWRRADJC	\$57.90
D	21/32"–23/32"	6-3/4"	DWRRADJD	\$60.55

A-K 11 pc SET DWRRADJA-KSET \$808.41

DWRRADJ Series

Size	Range	O.A.L.	Part Number	List Price
E	23/32"–25/32"	7"	DWRRADJE	\$63.59
F	25/32"–27/32"	7-3/8"	DWRRADJF	\$65.42
G	27/32"–15/16"	8"	DWRRADJG	\$69.29
H	15/16"–1-1/16"	9"	DWRRADJH	\$72.98
I	1-1/16"–1-3/16"	10"	DWRRADJI	\$95.40
J	1-3/16"–1-11/32"	11"	DWRRADJJ	\$113.63
K	1-11/32"–1-1/2"	12"	DWRRADJK	\$137.12
L	1-1/2"–1-13/16"	14"	DWRRADJL	\$201.28
M	1-13/16"–2-7/32"	16"	DWRRADJM	\$274.02
N	2-7/32"–2-3/4"	18"	DWRRADJN	\$462.92
O	2-3/4"–3-11/32"	20"	DWRRADJO	\$629.17



TAPER PIN REAMERS

DWR RTP Series - Straight Flute

DWR RTPH Series - Helical Flute

DWR RTPS Series - Spiral Flute



These tapered reamers turn a straight hole into a tapered hole into which standard taper pins will fit. The straight-flute and spiral-flute reamers are generally used by hand while the helical-flute is designed for machine use. The square on the shanks of the straight and spiral fluted are suitable for holding in a tap wrench or vise. The straight flute taper pin reamer is recommended for most materials. The spiral flute taper pin reamer is recommended for applications where the reamer tends to wedge itself. The Helical-flute Taper pin reamer has the geometry for reaming holes for tapered pins with a machine. The free cutting action at high speeds produces a good finish and minimizes chip packing in the flutes.

DWR RTP Series

DWR RTPH Series

DWR RTPS Series

Size	Shank Dia.	Short End	Large End	Flute Length	O.A.L.	Part Number	List Price	Part Number	List Price	Part Number	List Price
7/0	5/64"	.0497	.0666	13/16"	1-13/16"	DWR RTP7/0	\$35.43	DWR RTPH7/0	\$33.11	DWR RTPS7/0	\$36.89
6/0	3/32"	.0611	.0806	15/16"	1-15/16"	DWR RTP6/0	\$35.43	DWR RTPH6/0	\$33.11	DWR RTPS6/0	\$36.89
5/0	7/64"	.0719	.0966	1-3/16"	2-3/16"	DWR RTP5/0	\$32.44	DWR RTPH5/0	\$31.93	DWR RTPS5/0	\$35.43
4/0	1/8"	.0869	.1142	1-5/16"	2-5/16"	DWR RTP4/0	\$32.44	DWR RTPH4/0	\$31.93	DWR RTPS4/0	\$34.76
3/0	9/64"	.1029	.1302	1-5/16"	2-5/16"	DWR RTP3/0	\$32.44	DWR RTPH3/0	\$28.81	DWR RTPS3/0	\$35.43
2/0	5/32"	.1137	.1462	1-9/16"	2-9/16"	DWR RTP2/0	\$29.02	DWR RTPH2/0	\$27.71	DWR RTPS2/0	\$30.92
0	11/64"	.1287	.1638	1-11/16"	2-15/16"	DWR RTP0	\$27.78	DWR RTPH0	\$28.81	DWR RTPS0	\$29.77
1	3/16"	.1447	.1798	1-11/16"	2-15/16"	DWR RTP1	\$27.13	DWR RTPH1	\$30.46	DWR RTPS1	\$30.14
2	13/64"	.1605	.2008	1-15/16"	3-3/16"	DWR RTP2	\$27.13	DWR RTPH2	\$34.67	DWR RTPS2	\$30.54
3	15/64"	.1813	.2294	2-5/16"	3-11/16"	DWR RTP3	\$27.13	DWR RTPH3	\$35.68	DWR RTPS3	\$30.54
4	17/64"	.2071	.2604	2-9/16"	4-1/16"	DWR RTP4	\$30.14	DWR RTPH4	\$43.45	DWR RTPS4	\$32.67
5	5/16"	.2409	.2994	2-13/16"	4-5/16"	DWR RTP5	\$32.44	DWR RTPH5	\$46.50	DWR RTPS5	\$35.22
6	23/64"	.2773	.3540	3-11/16"	5-7/16"	DWR RTP6	\$42.03	DWR RTPH6	\$58.78	DWR RTPS6	\$46.59
7	13/32"	.3297	.4220	4-7/16"	6-5/16"	DWR RTP7	\$55.51	DWR RTPH7	\$72.53	DWR RTPS7	\$60.16
8	7/16"	.3971	.5050	5-3/16"	7-3/16"	DWR RTP8	\$70.91	DWR RTPH8	\$83.79	DWR RTPS8	\$77.68
9	9/16"	.4805	.6066	6-1/16"	8-5/16"	DWR RTP9	\$86.23	DWR RTPH9	\$90.07	DWR RTPS9	\$93.89
10	5/8"	.5799	.7219	6-13/16"	9-5/16"	DWR RTP10	\$96.63	DWR RTPH10	\$122.09	DWR RTPS10	\$109.35
11	3/4"	.7060	.8780	8-1/4"	11-1/4"	DWR RTP11	\$192.36	DWR RTPH11	\$251.84	DWR RTPS11	\$230.82
12	3/4"	.8420	1.0500	10"	13-7/8"	DWR RTP12	\$284.70	DWR RTPH12	\$335.73	DWR RTPS12	\$307.76
13	1-1/16"	1.0090	1.2590	12"	16"	DWR RTP13	\$442.40	DWR RTPH13	\$644.47	DWR RTPS13	\$500.12
14	1-3/32"	1.2500	1.5420	14"	18-1/4"	DWR RTP14	\$703.37	DWR RTPH14	\$825.46	DWR RTPS14	\$751.96

REAMERS

SHELL REAMERS

DWRRS Series - Straight Flute

DWRRSS Series - Spiral Flute

Used with Shell Reamer Arbors. One size arbor fits a range of sizes. More economical, particularly where larger sizes are concerned.

				DWRRS Series		DWRRSS Series	
Size	Flute Length	Hole Dia.	Fits Arbor	Part Number	List Price	Part Number	List Price
3/4"	2-1/4"	3/8"	4	DWRRS3/4	\$285.12	DWRRSS3/4	\$285.12
13/16"	2-1/2"	1/2"	5	DWRRS13/16	\$271.02	DWRRSS13/16	\$275.84
7/8"	2-1/2"	1/2"	5	DWRRS7/8	\$173.08	DWRRSS7/8	\$209.41
15/16"	2-1/2"	1/2"	5	DWRRS15/16	\$206.31	DWRRSS15/16	\$212.15
1"	2-1/2"	1/2"	5	DWRRS1INCH	\$169.93	DWRRSS1INCH	\$171.02
1-1/16"	2-3/4"	5/8"	6	DWRRS1-1/16	\$180.24	DWRRSS1-1/16	\$173.42
1-1/8"	2-3/4"	5/8"	6	DWRRS1-1/8	\$164.17	DWRRSS1-1/8	\$184.73
1-3/16"	2-3/4"	5/8"	6	DWRRS1-3/16	\$174.79	DWRRSS1-3/16	\$198.10
1-1/4"	2-3/4"	5/8"	6	DWRRS1-1/4	\$185.07	DWRRSS1-1/4	\$181.65
1-5/16"	3"	3/4"	7	DWRRS1-5/16	\$198.76	DWRRSS1-5/16	\$197.75
1-3/8"	3"	3/4"	7	DWRRS1-3/8	\$213.47	DWRRSS1-3/8	\$211.12
1-7/16"	3"	3/4"	7	DWRRS1-7/16	\$219.67	DWRRSS1-7/16	\$224.83
1-1/2"	3"	3/4"	7	DWRRS1-1/2	\$232.33	DWRRSS1-1/2	\$230.32
1-9/16"	3"	3/4"	7	DWRRS1-9/16	\$255.65	DWRRSS1-9/16	\$252.94
1-5/8"	3"	3/4"	7	DWRRS1-5/8	\$275.54	DWRRSS1-5/8	\$271.79
1-11/16"	3-1/2"	1"	8	DWRRS1-11/16	\$297.78	DWRRSS1-11/16	\$294.75
1-3/4"	3-1/2"	1"	8	DWRRS1-3/4	\$325.55	DWRRSS1-3/4	\$322.17
1-13/16"	3-1/2"	1"	8	DWRRS1-13/16	\$347.82	DWRRSS1-13/16	\$344.45
1-7/8"	3-1/2"	1"	8	DWRRS1-7/8	\$371.81	DWRRSS1-7/8	\$368.43
1-15/16"	3-1/2"	1"	8	DWRRS1-15/16	\$392.37	DWRRSS1-15/16	\$389.00
2"	3-1/2"	1"	8	DWRRS2INCH	\$419.82	DWRRSS2INCH	\$414.71
2-1/16"	3-3/4"	1-1/4"	9	DWRRS2-1/16	\$450.13	DWRRSS2-1/16	\$535.66
2-1/8"	3-3/4"	1-1/4"	9	DWRRS2-1/8	\$474.54	DWRRSS2-1/8	\$563.58
2-3/16"	3-3/4"	1-1/4"	9	DWRRS2-3/16	\$600.16	DWRRSS2-3/16	\$593.24
2-1/4"	3-3/4"	1-1/4"	9	DWRRS2-1/4	\$521.64	DWRRSS2-1/4	\$621.15
2-5/16"	3-3/4"	1-1/4"	9	DWRRS2-5/16	\$655.98	DWRRSS2-5/16	\$650.81
2-3/8"	3-3/4"	1-1/4"	9	DWRRS2-3/8	\$567.00	DWRRSS2-3/8	\$675.25
2-7/16"	3-3/4"	1-1/4"	9	DWRRS2-7/16	\$710.07	DWRRSS2-7/16	\$699.67
2-1/2"	3-3/4"	1-1/4"	9	DWRRS2-1/2	\$615.84	DWRRSS2-1/2	\$608.94
2-9/16"	4"	1-1/2"	10	DWRRS2-9/16	\$647.24	DWRRSS2-9/16	\$769.46
2-5/8"	4"	1-1/2"	10	DWRRS2-5/8	\$689.10	DWRRSS2-5/8	\$814.83
2-11/16"	4"	1-1/2"	10	DWRRS2-11/16	\$837.42	DWRRSS2-11/16	\$828.79
2-3/4"	4"	1-1/2"	10	DWRRS2-3/4	\$921.15	DWRRSS2-3/4	\$912.53
2-13/16"	4"	1-1/2"	10	DWRRS2-13/16	\$966.47	DWRRSS2-13/16	\$956.16
2-7/8"	4"	1-1/2"	10	DWRRS2-7/8	\$1,024.08	DWRRSS2-7/8	\$1,013.74
2-15/16"	4"	1-1/2"	10	DWRRS2-15/16	\$1,076.42	DWRRSS2-15/16	\$1,067.82
3"	4"	1-1/2"	10	DWRRS3INCH	\$952.56	DWRRSS3INCH	\$947.43



SHELL REAMER ARBORS

				DWSRASS Series		DWSRATS Series		
Size	Fits Reamer Sizes	Shank Dia.	O.A.L.	Part Number	List Price	Part Number	Shank	List Price
4	21/32"-25/32"	1/2"	9"	DWSRA4SS	\$89.56	DWSRA4TS	2MT	\$119.17
5	13/16"-1-1/32"	5/8"	9-1/2"	DWSRA5SS	\$99.62	DWSRA5TS	2MT	\$131.02
6	1-1/16"-1-9/32"	3/4"	10"	DWSRA6SS	\$109.21	DWSRA6TS	3MT	\$142.89
7	1-5/16"-1-21/32"	7/8"	11"	DWSRA7SS	\$120.10	DWSRA7TS	3MT	\$155.46
8	1-11/16"-2"	1-1/8"	12"	DWSRA8SS	\$133.53	DWSRA8TS	4MT	\$206.58
9	2-1/16"-2-1/2"	1-3/8"	13"	DWSRA9SS	\$161.22	DWSRA9TS	4MT	\$217.92
10	2-9/16"-3"	1-5/8"	14"	DWSRA10SS	\$231.93	DWSRA10TS	5MT	\$293.29
11	3-1/16"-3-1/2"	2"	15"	DWSRA11SS	\$341.80	DWSRA11TS	5MT	\$422.92
12	3-9/16"-4"	2-1/8"	16"	DWSRA12SS	\$415.65	DWSRA12TS	5MT	\$479.80



REAMERS

SOLID CARBIDE

FRACTIONAL SIZES

DMOR Series

Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
1/16"	.0625	1/2"	2-1/2"	DMOR1/16	\$50.86
5/64"	.0781	3/4"	3"	DMOR5/64	\$53.49
3/32"	.0938	3/4"	3"	DMOR3/32	\$53.49
7/64"	.1094	7/8"	3-1/2"	DMOR7/64	\$56.40
1/8"	.1250	7/8"	3-1/2"	DMOR1/8	\$46.49
9/64"	.1406	1"	4"	DMOR9/64	\$64.02
5/32"	.1563	1"	4"	DMOR5/32	\$78.95
11/64"	.1719	1-1/8"	4-1/2"	DMOR11/64	\$74.45
3/16"	.1875	1-1/8"	4-1/2"	DMOR3/16	\$80.75
13/64"	.2031	1-1/4"	5"	DMOR13/64	\$86.63
7/32"	.2188	1-1/4"	5"	DMOR7/32	\$95.11
15/64"	.2344	1-1/2"	6"	DMOR15/64	\$102.45

DMOR Series

Size	Dec. Equiv.	Flute Length	O.A.L.	Part Number	List Price
1/4"	.2500	1-1/2"	6"	DMOR1/4	\$110.24
17/64"	.2656	1-1/2"	6"	DMOR17/64	\$123.48
9/32"	.2813	1-1/2"	6"	DMOR9/32	\$138.58
19/64"	.2969	1-1/2"	6"	DMOR19/64	\$150.36
5/16"	.3125	1-1/2"	6"	DMOR5/16	\$156.67
21/64"	.3281	1-1/2"	6"	DMOR21/64	\$169.95
11/32"	.3438	1-1/2"	6"	DMOR11/32	\$176.54
23/64"	.3594	1-3/4"	7"	DMOR23/64	\$181.32
3/8"	.3750	1-3/4"	7"	DMOR3/8	\$190.92
25/64"	.3906	1-3/4"	7"	DMOR25/64	\$197.33
7/16"	.4375	1-3/4"	7"	DMOR7/16	\$227.16
1/2"	.5000	2"	8"	DMOR1/2	\$244.50



CUTTERS

T-SLOT CUTTERS

DWCA Series

Bolt Size	Shank Dia.	O.A.L.	Part Number	List Price
1/4"	1/2"	2-19/32"	DWCA1310	\$99.17
5/16"	1/2"	2-11/16"	DWCA1312	\$107.74
3/8"	3/4"	3-1/4"	DWCA1314	\$155.75
1/2"	3/4"	3-7/16"	DWCA1316	\$178.38
5/8"	1"	3-15/16"	DWCA1318	\$240.30
3/4"	1"	4-7/16"	DWCA1320	\$260.07
1"	1-1/4"	4-13/16"	DWCA1322	\$449.36
1-1/4"	1-1/4"	5-3/8"	DWCA1324	\$648.22
1-1/2"	1-1/4"	5-29/32"	DWCA1326	\$828.58



DOVETAIL CUTTERS

DWCA Series

Cutter Dia.	Shank Dia.	O.A.L.	45° Part No.	60° Part No.	List Price
3/8"	3/8"	2-1/8"	DWCA1406-45	DWCA1406-60	\$65.59
1/2"	3/8"	2-1/8"	DWCA1408-45	DWCA1408-60	\$68.90
3/4"	3/8"	2-1/4"	DWCA1410-45	DWCA1410-60	\$72.88
1-3/8"	5/8"	2-7/8"	DWCA1420-45	DWCA1420-60	\$128.03
1-7/8"	7/8"	3-1/4"	DWCA1430-45	DWCA1430-60	\$236.38
2-1/4"	1"	3-3/4"	DWCA1440-45	DWCA1440-60	\$297.84



SHANK TYPE WOODRUFF KEYSEAT 1/2" SHANK

DWCWC Series

Dia.	Face Width	Part Number	List Price
1/4"	1/16"	DWCWC202	\$45.72
5/16"	1/16"	DWCWC202-1/2	\$45.72
3/8"	1/16"	DWCWC203	\$45.72
1/2"	1/16"	DWCWC204	\$45.72
5/16"	3/32"	DWCWC302-1/2	\$45.72
3/8"	3/32"	DWCWC303	\$45.72
1/2"	3/32"	DWCWC304	\$45.72
5/8"	3/32"	DWCWC305	\$45.72
3/8"	1/8"	DWCWC403	\$45.72
1/2"	1/8"	DWCWC404	\$45.72
5/8"	1/8"	DWCWC405	\$45.72
3/4"	1/8"	DWCWC406	\$45.72
5/8"	5/32"	DWCWC505	\$45.72

DWCWC Series

Dia.	Face Width	Part Number	List Price
3/4"	5/32"	DWCWC506	\$51.02
7/8"	5/32"	DWCWC507	\$52.18
5/8"	3/16"	DWCWC605	\$45.72
3/4"	3/16"	DWCWC606	\$51.02
7/8"	3/16"	DWCWC607	\$54.69
1"	3/16"	DWCWC608	\$57.34
1-1/8"	3/16"	DWCWC609	\$69.41
1-1/4"	3/16"	DWCWC610	\$69.41
1-1/4"	7/32"	DWCWC710	\$76.34
3/4"	1/4"	DWCWC806	\$51.02
7/8"	1/4"	DWCWC807	\$56.98
1"	1/4"	DWCWC808	\$63.76
1-1/8"	1/4"	DWCWC809	\$69.41

DWCWC Series

Dia.	Face Width	Part Number	List Price
1-1/4"	1/4"	DWCWC810	\$76.34
1-3/8"	1/4"	DWCWC811	\$75.02
1-1/2"	1/4"	DWCWC812	\$76.34
1"	5/16"	DWCWC1008	\$67.43
1-1/8"	5/16"	DWCWC1009	\$72.58
1-1/4"	5/16"	DWCWC1010	\$82.67
1-3/8"	5/16"	DWCWC1011	\$90.26
1-1/2"	5/16"	DWCWC1012	\$88.48
1"	3/8"	DWCWC1208	\$69.41
1-1/4"	3/8"	DWCWC1210	\$82.67
1-3/8"	3/8"	DWCWC1211	\$88.48
1-1/2"	3/8"	DWCWC1212	\$90.26

MACHINE TOOL ACCESSORIES

DRILL CHUCK ARBORS

STRAIGHT SHANK TO JACOBS TAPER

DEW Series			
Shank Dia.	Jacobs Taper	Part Number	List Price
1/2"	0JT	DEWA4000	\$17.95
1/2"	1JT	DEWA4001	\$17.95
1/2"	2JT	DEWA4002	\$17.95
1/2"	3JT	DEWA4003	\$17.95
1/2"	4JT	DEWA4004	\$17.95
1/2"	6JT	DEWA4006	\$17.95
1/2"	33JT	DEWA4033	\$17.95
5/8"	1JT	DEWA4101	\$17.95

DEW Series			
Shank Dia.	Jacobs Taper	Part Number	List Price
5/8"	2JT	DEWA4102	\$17.95
5/8"	3JT	DEWA4103	\$17.95
5/8"	4JT	DEWA4104	\$17.95
5/8"	6JT	DEWA4106	\$17.95
5/8"	33JT	DEWA4133	\$17.95
3/4"	2JT	DEWA4202	\$28.42
3/4"	3JT	DEWA4203	\$28.42
3/4"	4JT	DEWA4204	\$28.42

DEW Series			
Shank Dia.	Jacobs Taper	Part Number	List Price
3/4"	6JT	DEWA4206	\$28.42
3/4"	33JT	DEWA4233	\$28.42
1"	3JT	DEWA4303	\$31.86
1"	4JT	DEWA4304	\$31.86
1"	6JT	DEWA4306	\$31.86
1"	33JT	DEWA4333	\$31.86



TAPER SHANK TO JACOBS TAPER

DEW Series			
Shank	Jacobs Taper	Part Number	List Price
1MT	1JT	DEWA0101	\$20.91
1MT	2JT	DEWA0102	\$20.91
1MT	3JT	DEWA0103	\$23.40
1MT	4JT	DEWA0104	\$23.40
1MT	6JT	DEWA0106	\$23.40
1MT	33JT	DEWA0133	\$23.40
2MT	0JT	DEWA0200	\$23.40
2MT	1JT	DEWA0201	\$20.45
2MT	2JT	DEWA0202	\$19.45
2MT	3JT	DEWA0203	\$19.45

DEW Series			
Shank	Jacobs Taper	Part Number	List Price
2MT	4JT	DEWA0204	\$24.83
2MT	6JT	DEWA0206	\$26.05
2MT	33JT	DEWA0233	\$19.45
3MT	1JT	DEWA0301	\$26.05
3MT	2JT	DEWA0302	\$26.05
3MT	3JT	DEWA0303	\$26.05
3MT	4JT	DEWA0304	\$26.05
3MT	5JT	DEWA0305	\$26.05
3MT	6JT	DEWA0306	\$26.05
3MT	33JT	DEWA0333	\$26.05

DEW Series			
Shank	Jacobs Taper	Part Number	List Price
4MT	2JT	DEWA0402	\$44.75
4MT	3JT	DEWA0403	\$42.32
4MT	4JT	DEWA0404	\$42.32
4MT	5JT	DEWA0405	\$44.75
4MT	6JT	DEWA0406	\$42.32
4MT	33JT	DEWA0433	\$44.75
5MT	3JT	DEWA0503	\$71.97
5MT	4JT	DEWA0504	\$71.97
5MT	5JT	DEWA0505	\$71.97
5MT	6JT	DEWA0506	\$71.97

R8 SHANK TO JACOBS TAPER

DEW Series			
Jacobs Taper	Part Number	List Price	
1JT	DEWA0801	\$54.18	
2JT	DEWA0802	\$54.18	
3JT	DEWA0803	\$54.18	
4JT	DEWA0804	\$54.18	
5JT	DEWA0805	\$54.18	
6JT	DEWA0806	\$54.18	
33JT	DEWA0833	\$54.18	



DRIFT KEYS

DWDDRIFT Series				
Size	Hole Fitting	Length Inches	Part Number	List Price
NO.1	1	4-1/2"	DWDDRIFTS1	\$7.72
NO.2	2	5-1/4"	DWDDRIFTS2	\$8.27
NO.3	3	6"	DWDDRIFTS3	\$10.47
NO.4	4,5,6	7"	DWDDRIFTS4	\$13.23



MORSE TAPER SLEEVES

DEW Series				
Size No.	Hole Size	Shank Dia.	Part Number	List Price
1-2	1MT	2MT	DEWS1-2	\$12.44
1-3	1MT	3MT	DEWS1-3	\$17.23
1-4	1MT	4MT	DEWS1-4	\$26.69
1-5	1MT	5MT	DEWS1-5	\$42.73
2-3	2MT	3MT	DEWS2-3	\$17.23
2-4	2MT	4MT	DEWS2-4	\$26.69
2-5	2MT	5MT	DEWS2-5	\$42.73
3-4	3MT	4MT	DEWS3-4	\$26.69
3-5	3MT	5MT	DEWS3-5	\$42.73
4-5	4MT	5MT	DEWS4-5	\$42.73
4-6	4MT	6MT	DEWS4-6	\$122.08
5-6	5MT	6MT	DEWS5-6	\$132.02



MACHINE TOOL ACCESSORIES

EXTENSION SOCKETS

DEW Series

Size No.	Hole Size	Shank Dia.	Part Number	List Price
1-2	1MT	2MT	DEWES1-2	\$39.60
1-3	1MT	3MT	DEWES1-3	\$43.06
1-4	1MT	4MT	DEWES1-4	\$60.61
1-5	1MT	5MT	DEWES1-5	\$86.78
2-1	2MT	1MT	DEWES2-1	\$39.60
2-2	2MT	2MT	DEWES2-2	\$39.60
2-3	2MT	3MT	DEWES2-3	\$43.06
2-4	2MT	4MT	DEWES2-4	\$54.33
2-5	2MT	5MT	DEWES2-5	\$100.88
3-1	3MT	1MT	DEWES3-1	\$54.33
3-2	3MT	2MT	DEWES3-2	\$54.33

DEW Series

Size No.	Hole Size	Shank Dia.	Part Number	List Price
3-3	3MT	3MT	DEWES3-3	\$54.33
3-4	3MT	4MT	DEWES3-4	\$54.33
3-5	3MT	5MT	DEWES3-5	\$100.88
4-2	4MT	2MT	DEWES4-2	\$86.78
4-3	4MT	3MT	DEWES4-3	\$86.78
4-4	4MT	4MT	DEWES4-4	\$86.78
4-5	4MT	5MT	DEWES4-5	\$100.88
4-6	4MT	6MT	DEWES4-6	\$254.91
5-4	5MT	4MT	DEWES5-4	\$193.96
5-5	5MT	5MT	DEWES5-5	\$193.96
5-6	5MT	6MT	DEWES5-6	\$254.91



DEAD CENTERS

DEW Series

Taper #	Large End	Small End	Taper Length	O.A.L.	Carbide Tipped Part Number	List Price	HSS Part Number	List Price
1MT	.4750	.3760	2-1/8"	3-5/16"	DEWX712-1CT	\$30.86	DEWX712-1HS	\$30.86
2MT	.7000	.5790	2-9/16"	4-3/16"	DEWX714-2CT	\$37.47	DEWX714-2HS	\$36.43
3MT	.9380	.7850	3-3/16"	5-1/4"	DEWX716-3CT	\$68.45	DEWX716-3HS	\$66.56
4MT	1.2310	1.0270	4-1/16"	6-3/4"	DEWX718-4CT	\$104.83	DEWX718-4HS	\$97.16
5MT	1.7480	1.4820	5-3/16"	8-1/2"	DEWX720-5CT	\$168.31	DEWX720-5HS	\$166.63
6MT	2.4940	2.1300	7-1/8"	11-3/4"	DEWX722-6CT	\$431.95	DEWX722-6HS	\$470.53



DEW Series

Size	Part Number	List Price
1MT	DEW1MT	\$96.86
2MT	DEW2MT	\$113.72
3MT	DEW3MT	\$133.61
4MT	DEW4MT	\$177.22
5MT	DEW5MT	\$302.29
6MT	DEW6MT	\$776.00

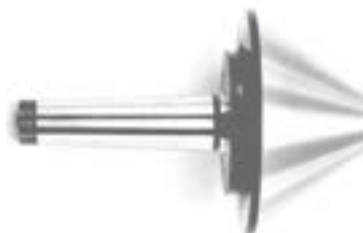
LIVE CENTERS



BULL-NOSE LIVE CENTERS

DEW Series

Taper #	Small End	Large End	HSS Part Number	List Price
2MT	7/8"	2-3/8"	DEW2MT-BULL	\$279.34
3MT	1-1/8"	4"	DEW3MT-BULL	\$361.80
4MT	2"	5"	DEW4MT-BULL	\$799.09
5MT	2"	6"	DEW5MT-BULL	\$1,034.24
6MT	2"	6"	DEW6MT-BULL	\$1,814.69



HSS END MILLS

4 FLUTE DOUBLE END 2 FLUTE DOUBLE END



BRC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	3/8"	3/8"	3-1/8"	BRCF204	\$30.27
5/32"	3/8"	7/16"	3-1/8"	BRCF205	\$30.27
3/16"	3/8"	1/2"	3-1/4"	BRCF206	\$30.27
7/32"	3/8"	9/16"	3-1/4"	BRCF207	\$30.27
1/4"	3/8"	5/8"	3-3/8"	BRCF208	\$29.88
9/32"	3/8"	11/16"	3-3/8"	BRCF209	\$30.66
5/16"	3/8"	3/4"	3-1/2"	BRCF210	\$29.88
11/32"	3/8"	3/4"	3-1/2"	BRCF211	\$30.66
3/8"	3/8"	3/4"	3-1/2"	BRCF212	\$29.88
13/32"	1/2"	1"	4-1/8"	BRCF213	\$44.24
7/16"	1/2"	1"	4-1/8"	BRCF214	\$44.46
15/32"	1/2"	1"	4-1/8"	BRCF215	\$45.16
1/2"	1/2"	1"	4-1/8"	BRCF218	\$44.46
9/16"	5/8"	1-3/8"	5"	BRCF220	\$63.01
5/8"	5/8"	1-3/8"	5"	BRCF228	\$63.01
11/16"	3/4"	1-5/8"	5-5/8"	BRCF230	\$68.07
3/4"	3/4"	1-5/8"	5-5/8"	BRCF232	\$79.02
13/16"	7/8"	1-7/8"	6-1/8"	BRCF234	\$89.24
7/8"	7/8"	1-7/8"	6-1/8"	BRCF242	\$104.40
15/16"	1"	1-7/8"	6-3/8"	BRCF244	\$111.78
1"	1"	1-7/8"	6-3/8"	BRCF252	\$126.46



BRC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	3/8"	3/8"	3-1/8"	BRCT204	\$31.05
5/32"	3/8"	7/16"	3-1/8"	BRCT205	\$31.05
3/16"	3/8"	7/16"	3-1/8"	BRCT206	\$31.05
7/32"	3/8"	1/2"	3-1/8"	BRCT207	\$31.05
1/4"	3/8"	1/2"	3-1/8"	BRCT208	\$31.05
9/32"	3/8"	9/16"	3-1/8"	BRCT209	\$31.05
5/16"	3/8"	9/16"	3-1/8"	BRCT210	\$31.05
11/32"	3/8"	9/16"	3-1/8"	BRCT211	\$31.05
3/8"	3/8"	9/16"	3-1/8"	BRCT212	\$31.05
13/32"	1/2"	13/16"	3-3/4"	BRCT213	\$48.22
7/16"	1/2"	13/16"	3-3/4"	BRCT214	\$48.22
1/2"	1/2"	13/16"	3-3/4"	BRCT218	\$48.22
9/16"	5/8"	1-1/8"	4-1/2"	BRCT220	\$66.70
5/8"	5/8"	1-1/8"	4-1/2"	BRCT228	\$66.70
11/16"	3/4"	1-5/16"	5"	BRCT230	\$83.49
3/4"	3/4"	1-5/16"	5"	BRCT232	\$83.49
13/16"	7/8"	1-9/16"	5-1/2"	BRCT234	\$108.80
7/8"	7/8"	1-9/16"	5-1/2"	BRCT242	\$108.80
15/16"	1"	1-5/8"	5-7/8"	BRCT244	\$135.14
1"	1"	1-5/8"	5-7/8"	BRCT252	\$135.14

MULTI FLUTE SINGLE END 2 FLUTE SINGLE END



BRC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	3/8"	3/8"	2-5/16"	BRCF304	\$22.56
5/32"	3/8"	7/16"	2-3/8"	BRCF305	\$23.71
3/16"	3/8"	1/2"	2-3/8"	BRCF306	\$22.56
7/32"	3/8"	9/16"	2-7/16"	BRCF307	\$23.71
1/4"	3/8"	5/8"	2-7/16"	BRCF308	\$22.56
9/32"	3/8"	11/16"	2-1/2"	BRCF309	\$23.71
5/16"	3/8"	3/4"	2-1/2"	BRCF310	\$22.56
11/32"	3/8"	3/4"	2-1/2"	BRCF311	\$23.71
3/8"	3/8"	3/4"	2-1/2"	BRCF312	\$22.56
13/32"	3/8"	1"	2-11/16"	BRCF313	\$33.51
7/16"	3/8"	1"	2-11/16"	BRCF314	\$31.01
1/2"	3/8"	1"	2-11/16"	BRCF316	\$31.01
1/2"	1/2"	1-1/4"	3-1/4"	BRCF318	\$31.01
9/16"	1/2"	1-3/8"	3-3/8"	BRCF320	\$40.15
5/8"	1/2"	1-3/8"	3-3/8"	BRCF322	\$43.69
5/8"	5/8"	1-5/8"	3-3/4"	BRCF328	\$49.11
11/16"	5/8"	1-5/8"	3-3/4"	BRCF330	\$50.67
3/4"	1/2"	1-5/8"	3-5/8"	BRCF326	\$49.40
3/4"	5/8"	1-5/8"	3-3/4"	BRCF332	\$52.42
3/4"	3/4"	1-5/8"	3-7/8"	BRCF341	\$54.64
7/8"	5/8"	1-7/8"	4"	BRCF336	\$71.40
7/8"	3/4"	1-7/8"	4-1/8"	BRCF341B	\$70.25
7/8"	7/8"	1-7/8"	4-1/8"	BRCF342	\$70.25
15/16"	5/8"	1-7/8"	4"	BRCF338	\$80.25
1"	5/8"	1-7/8"	4"	BRCF340	\$81.21
1"	3/4"	1-7/8"	4-1/8"	BRCF345	\$79.91
1"	1"	2"	4-1/2"	BRCF352	\$81.21
1-1/8"	3/4"	2"	4-1/2"	BRCF347	\$116.53
1-1/8"	1"	2"	4-1/2"	BRCF354	\$116.53
1-1/4"	3/4"	2"	4-1/2"	BRCF349	\$125.66
1-1/4"	1"	2"	4-1/2"	BRCF356	\$126.84
1-1/4"	1-1/4"	2"	4-1/2"	BRCF362	\$126.84
1-3/8"	3/4"	2"	4-1/2"	BRCF351	\$205.51
1-1/2"	3/4"	2"	4-1/2"	BRCF351A	\$223.36



BRC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	3/8"	3/8"	2-5/16"	BRCT304	\$21.24
5/32"	3/8"	3/8"	2-3/8"	BRCT305	\$21.24
3/16"	3/8"	7/16"	2-3/8"	BRCT306	\$21.24
7/32"	3/8"	7/16"	2-7/16"	BRCT307	\$21.24
1/4"	3/8"	1/2"	2-7/16"	BRCT308	\$21.24
9/32"	3/8"	9/16"	2-1/2"	BRCT309	\$23.73
5/16"	3/8"	9/16"	2-1/2"	BRCT310	\$21.24
3/8"	3/8"	9/16"	2-1/2"	BRCT312	\$21.24
7/16"	3/8"	13/16"	2-11/16"	BRCT314	\$27.52
1/2"	3/8"	13/16"	2-11/16"	BRCT316	\$27.52
1/2"	1/2"	1"	3-1/4"	BRCT318	\$31.02
9/16"	1/2"	1-1/8"	3-3/8"	BRCT320	\$38.93
5/8"	1/2"	1-1/8"	3-3/8"	BRCT322	\$43.57
5/8"	5/8"	1-5/16"	3-3/4"	BRCT328	\$43.57
11/16"	5/8"	1-5/16"	3-3/4"	BRCT330	\$47.10
3/4"	1/2"	1-5/16"	3-5/8"	BRCT326	\$50.25
3/4"	5/8"	1-5/16"	3-3/4"	BRCT332	\$50.25
3/4"	3/4"	1-5/16"	3-3/4"	BRCT341	\$50.25
7/8"	5/8"	1-1/2"	4"	BRCT336	\$64.81
7/8"	3/4"	1-1/2"	4-1/8"	BRCT341B	\$65.03
7/8"	7/8"	1-1/2"	4-1/4"	BRCT342	\$65.03
1"	5/8"	1-1/2"	4"	BRCT340	\$72.58
1"	3/4"	1-1/2"	4-1/8"	BRCT345	\$72.58
1"	1"	1-5/8"	4-1/2"	BRCT352	\$87.77
1-1/8"	1"	1-5/8"	4-1/2"	BRCT354	\$119.67
1-1/4"	1-1/4"	1-5/8"	4-1/2"	BRCT362	\$132.87
1-1/2"	1"	1-5/8"	4-1/2"	BRCT360	\$164.96
1-1/2"	1-1/4"	1-5/8"	4-1/2"	BRCT364	\$164.96
1-3/4"	1-1/4"	1-5/8"	4-1/2"	BRCT368	\$196.68
2"	1-1/4"	1-5/8"	4-1/2"	BRCT372	\$231.43

HSS END MILLS

DWCT Series

These mills are designed to machine most materials of medium hardness such as steel, brass, bronze and iron. The large core diameter provides rigidity and reduces deflection while the cutting geometry allows for rapid stock removal. They can be used for general-purpose milling including profiling and open-ended slots and keyways. They will plunge cut.

2 FLUTE SINGLE END



CENTER CUTTING

DWCT Series					
Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	3/8"	3/8"	2-5/16"	DWCT304	\$9.69
5/32"	3/8"	3/8"	2-5/16"	DWCT305	\$11.07
3/16"	3/8"	7/16"	2-5/16"	DWCT306	\$9.69
7/32"	3/8"	1/2"	2-3/8"	DWCT307	\$11.07
1/4"	3/8"	1/2"	2-5/16"	DWCT308	\$9.69
9/32"	3/8"	9/16"	2-3/8"	DWCT309	\$11.22
5/16"	3/8"	9/16"	2-5/16"	DWCT310	\$9.83
11/32"	3/8"	9/16"	2-5/16"	DWCT311	\$11.22
3/8"	3/8"	9/16"	2-1/2"	DWCT312	\$9.83
13/32"	3/8"	13/16"	2-1/2"	DWCT313	\$15.66
7/16"	3/8"	13/16"	2-1/2"	DWCT314	\$14.28
15/32"	3/8"	1"	3"	DWCT315	\$15.66
1/2"	3/8"	13/16"	2-1/2"	DWCT316	\$14.28
1/2"	1/2"	1"	3"	DWCT318	\$15.12
9/16"	1/2"	1-1/8"	3-1/8"	DWCT320	\$17.92
5/8"	1/2"	1-1/8"	3-1/8"	DWCT322	\$19.99
5/8"	5/8"	1-5/16"	3-7/16"	DWCT328	\$20.36
11/16"	1/2"	1-5/16"	3-7/16"	DWCT324	\$21.69
11/16"	5/8"	1-5/16"	3-7/16"	DWCT330	\$21.64
3/4"	1/2"	1-5/16"	3-7/16"	DWCT326	\$23.18
3/4"	5/8"	1-5/16"	3-7/16"	DWCT332	\$23.18
3/4"	3/4"	1-5/16"	3-7/16"	DWCT341	\$23.22
13/16"	1/2"	1-1/2"	3-5/8"	DWCT333	\$31.30
13/16"	5/8"	1-1/2"	3-5/8"	DWCT334	\$28.98
13/16"	3/4"	1-1/2"	3-3/4"	DWCT341A	\$29.91
7/8"	1/2"	1-1/2"	3-5/8"	DWCT335	\$31.30
7/8"	5/8"	1-1/2"	3-5/8"	DWCT336	\$28.98
7/8"	3/4"	1-1/2"	3-3/4"	DWCT341B	\$29.34
7/8"	7/8"	1-1/2"	3-3/4"	DWCT342	\$30.39
15/16"	1/2"	1-1/2"	3-5/8"	DWCT337	\$36.36

DWCT Series					
Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
15/16"	5/8"	1-1/2"	3-5/8"	DWCT338	\$36.27
15/16"	7/8"	1-1/2"	3-3/4"	DWCT344	\$36.27
1"	1/2"	1-1/2"	3-1/2"	DWCT339	\$37.99
1"	5/8"	1-1/2"	3-5/8"	DWCT340	\$34.46
1"	3/4"	1-1/2"	3-3/4"	DWCT345	\$34.46
1"	7/8"	1-1/2"	3-3/4"	DWCT346	\$34.46
1"	1"	1-5/8"	4-1/8"	DWCT352	\$37.42
1-1/16"	3/4"	1-5/8"	4"	DWCT346A	\$67.74
1-1/8"	3/4"	1-5/8"	3-7/8"	DWCT347	\$62.02
1-1/8"	7/8"	1-5/8"	3-7/8"	DWCT348	\$60.07
1-1/8"	1"	1-5/8"	4-1/8"	DWCT354	\$62.02
1-3/16"	3/4"	1-5/8"	3-7/8"	DWCT348A	\$60.98
1-1/4"	3/4"	1-5/8"	3-7/8"	DWCT349	\$60.07
1-1/4"	7/8"	1-5/8"	3-7/8"	DWCT350	\$75.56
1-1/4"	1"	1-5/8"	4-1/8"	DWCT356	\$68.01
1-1/4"	1-1/4"	1-5/8"	4-1/8"	DWCT362	\$71.31
1-5/16"	3/4"	1-5/8"	3-7/8"	DWCT350A	\$99.68
1-3/8"	3/4"	1-5/8"	3-7/8"	DWCT351	\$92.17
1-7/16"	3/4"	1-5/8"	3-7/8"	DWCT351X	\$101.88
1-1/2"	3/4"	1-5/8"	3-7/8"	DWCT351A	\$101.88
1-1/2"	1"	1-5/8"	4-1/8"	DWCT360	\$96.75
1-1/2"	1-1/4"	1-5/8"	4-1/8"	DWCT364	\$96.68
1-5/8"	3/4"	1-5/8"	4-1/8"	DWCT365	\$127.83
1-5/8"	1-1/4"	1-5/8"	4-1/8"	DWCT366	\$122.10
1-3/4"	3/4"	1-5/8"	4-1/8"	DWCT367	\$139.71
1-3/4"	1-1/4"	1-5/8"	4-1/8"	DWCT368	\$126.79
1-7/8"	3/4"	1-5/8"	4-1/8"	DWCT369	\$150.89
1-7/8"	1-1/4"	1-5/8"	4-1/8"	DWCT370	\$144.19
2"	3/4"	1-5/8"	4-1/8"	DWCT371	\$165.09
2"	1-1/4"	1-5/8"	4-1/8"	DWCT372	\$149.74

2 FLUTE DOUBLE END



CENTER CUTTING

DWCT Series					
Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	3/8"	3/8"	3-1/16"	DWCT204	\$13.10
9/64"	3/8"	7/16"	3-1/8"	DWCT204A	\$15.95
5/32"	3/8"	7/16"	3-1/8"	DWCT205	\$13.87
11/64"	3/8"	7/16"	3-1/8"	DWCT205A	\$15.95
3/16"	3/8"	7/16"	3-1/8"	DWCT206	\$13.10
13/64"	3/8"	1/2"	3-1/8"	DWCT206A	\$15.95
7/32"	3/8"	1/2"	3-1/8"	DWCT207	\$13.10
15/64"	3/8"	1/2"	3-1/8"	DWCT207A	\$15.95
1/4"	3/8"	1/2"	3-1/8"	DWCT208	\$13.36
17/64"	3/8"	9/16"	3-1/8"	DWCT208A	\$15.95
9/32"	3/8"	9/16"	3-1/8"	DWCT209	\$14.18
19/64"	3/8"	9/16"	3-1/8"	DWCT209A	\$15.95
5/16"	3/8"	9/16"	3-1/8"	DWCT210	\$13.10
21/64"	3/8"	9/16"	3-1/8"	DWCT210A	\$15.95
11/32"	3/8"	9/16"	3-1/8"	DWCT211	\$13.87
23/64"	3/8"	9/16"	3-1/8"	DWCT211A	\$15.95
3/8"	3/8"	9/16"	3-1/8"	DWCT212	\$13.36

DWCT Series					
Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
25/64"	1/2"	13/16"	3-3/4"	DWCT212A	\$22.25
13/32"	1/2"	13/16"	3-3/4"	DWCT213	\$20.47
27/64"	1/2"	13/16"	3-3/4"	DWCT213A	\$22.25
7/16"	1/2"	13/16"	3-3/4"	DWCT214	\$19.74
29/64"	1/2"	13/16"	3-3/4"	DWCT214A	\$24.47
15/32"	1/2"	13/16"	3-3/4"	DWCT215	\$21.09
31/64"	1/2"	13/16"	3-3/4"	DWCT216	\$24.47
1/2"	1/2"	13/16"	3-3/4"	DWCT218	\$20.27
9/16"	5/8"	1-1/8"	4-1/2"	DWCT220	\$29.49
5/8"	5/8"	1-1/8"	4-1/2"	DWCT228	\$27.66
11/16"	3/4"	1-5/16"	5"	DWCT230	\$34.80
3/4"	3/4"	1-5/16"	5"	DWCT232	\$34.80
13/16"	7/8"	1-9/16"	5-1/2"	DWCT234	\$46.61
7/8"	7/8"	1-9/16"	5-1/2"	DWCT242	\$46.61
15/16"	1"	1-5/8"	5-7/8"	DWCT244	\$57.29
1"	1"	1-5/8"	5-7/8"	DWCT252	\$57.29

HSS END MILLS

DWCF Series

These end mills are designed to machine most materials of medium hardness such as steel, brass, bronze and iron. The large core diameter provides rigidity and reduces deflection while the cutting geometry allows for rapid stock removal. They can be used for general-purpose milling including profiling and open-ended slots and keyways. They will not plunge cut.

MULTI FLUTE SINGLE END



DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	3/8"	3/8"	2-5/16"	DWCF304	\$9.35
5/32"	3/8"	7/16"	2-3/8"	DWCF305	\$10.27
3/16"	3/8"	1/2"	2-3/8"	DWCF306	\$9.35
7/32"	3/8"	9/16"	2-1/2"	DWCF307	\$10.27
1/4"	3/8"	5/8"	2-1/2"	DWCF308	\$9.35
9/32"	3/8"	11/16"	2-1/2"	DWCF309	\$10.27
5/16"	3/8"	3/4"	2-1/2"	DWCF310	\$9.35
11/32"	3/8"	3/4"	2-1/2"	DWCF311	\$10.27
3/8"	3/8"	3/4"	2-1/2"	DWCF312	\$9.35
13/32"	3/8"	1"	2-11/16"	DWCF313	\$11.42
7/16"	3/8"	1"	2-11/16"	DWCF314	\$12.63
15/32"	3/8"	1"	2-11/16"	DWCF315	\$12.88
1/2"	3/8"	1"	2-11/16"	DWCF316	\$12.63
1/2"	1/2"	1-1/4"	3-1/4"	DWCF318	\$12.88
9/16"	1/2"	1-3/8"	3-3/8"	DWCF320	\$16.21
5/8"	1/2"	1-3/8"	3-3/8"	DWCF322	\$17.74
5/8"	5/8"	1-5/8"	3-3/4"	DWCF328	\$19.27
11/16"	1/2"	1-5/8"	3-5/8"	DWCF324	\$19.19
11/16"	5/8"	1-5/8"	3-3/4"	DWCF330	\$20.47
3/4"	1/2"	1-5/8"	3-5/8"	DWCF326	\$21.24
3/4"	5/8"	1-5/8"	3-3/4"	DWCF332	\$21.41
3/4"	3/4"	1-5/8"	3-3/4"	DWCF341	\$22.01
13/16"	1/2"	1-5/8"	3-5/8"	DWCF333	\$28.72
13/16"	5/8"	1-7/8"	4"	DWCF334	\$28.79
13/16"	3/4"	1-7/8"	4-1/8"	DWCF341A	\$29.29
7/8"	1/2"	1-5/8"	3-5/8"	DWCF335	\$32.45
7/8"	5/8"	1-7/8"	4"	DWCF336	\$29.58
7/8"	3/4"	1-7/8"	4-1/8"	DWCF341B	\$30.64
7/8"	7/8"	1-7/8"	4-1/4"	DWCF342	\$29.58
15/16"	1/2"	1-7/8"	3-7/8"	DWCF337	\$32.45
15/16"	5/8"	1-7/8"	4"	DWCF338	\$32.62

NON CENTER CUTTING

DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
15/16"	3/4"	1-7/8"	4-1/8"	DWCF343	\$42.41
15/16"	7/8"	1-7/8"	4-1/8"	DWCF344	\$34.91
1"	1/2"	1-7/8"	4"	DWCF339	\$34.91
1"	5/8"	1-7/8"	4"	DWCF340	\$33.96
1"	3/4"	1-7/8"	4-1/8"	DWCF345	\$33.30
1"	7/8"	1-7/8"	4-1/8"	DWCF346	\$33.30
1"	1"	2"	4-1/4"	DWCF352	\$35.25
1-1/16"	3/4"	2"	4-1/4"	DWCF346A	\$48.78
1-1/8"	3/4"	2"	4-1/4"	DWCF347	\$51.98
1-1/8"	7/8"	2"	4-1/4"	DWCF348	\$51.98
1-1/8"	1"	2"	4-1/2"	DWCF354	\$53.66
1-3/16"	3/4"	2"	4-1/4"	DWCF348A	\$62.18
1-1/4"	3/4"	2"	4-1/4"	DWCF349	\$56.43
1-1/4"	7/8"	2"	4-1/4"	DWCF350	\$56.43
1-1/4"	1"	2"	4-1/2"	DWCF356	\$58.55
1-1/4"	1-1/4"	2"	4-1/2"	DWCF362	\$62.65
1-5/16"	3/4"	2"	4-1/2"	DWCF350A	\$74.80
1-3/8"	3/4"	2"	4-1/2"	DWCF351	\$92.17
1-7/16"	3/4"	2"	4-1/2"	DWCF351X	\$93.47
1-1/2"	3/4"	2"	4-1/2"	DWCF351A	\$87.18
1-1/2"	1"	2"	4-1/2"	DWCF360	\$87.18
1-1/2"	1-1/4"	2"	4-1/2"	DWCF364	\$87.18
1-5/8"	3/4"	2"	4-1/2"	DWCF365	\$109.41
1-5/8"	1-1/4"	2"	4-1/2"	DWCF366	\$104.46
1-3/4"	3/4"	2"	4-1/2"	DWCF367	\$118.21
1-3/4"	1-1/4"	2"	4-1/2"	DWCF368	\$112.77
1-7/8"	3/4"	2"	4-1/2"	DWCF369	\$127.99
1-7/8"	1-1/4"	2"	4-1/2"	DWCF370	\$121.97
2"	3/4"	2"	4-1/2"	DWCF371	\$147.20
2"	1-1/4"	2"	4-1/2"	DWCF372	\$136.50

4 FLUTE DOUBLE END NON CENTER CUTTING



DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	3/8"	3/8"	3-1/16"	DWCF204	\$11.33
9/64"	3/8"	7/16"	3-1/8"	DWCF204A	\$15.48
5/32"	3/8"	7/16"	3-1/8"	DWCF205	\$11.33
11/64"	3/8"	1/2"	3-1/4"	DWCF205A	\$15.48
3/16"	3/8"	1/2"	3-1/4"	DWCF206	\$11.33
13/64"	3/8"	9/16"	3-1/4"	DWCF206A	\$15.48
7/32"	3/8"	9/16"	3-1/4"	DWCF207	\$13.36
15/64"	3/8"	5/8"	3-3/8"	DWCF207A	\$15.48
1/4"	3/8"	5/8"	3-3/8"	DWCF208	\$12.63
17/64"	3/8"	11/16"	3-3/8"	DWCF208A	\$15.48
9/32"	3/8"	11/16"	3-3/8"	DWCF209	\$13.36
19/64"	3/8"	3/4"	3-3/8"	DWCF209A	\$15.48
5/16"	3/8"	3/4"	3-1/2"	DWCF210	\$12.63
21/64"	3/8"	3/4"	3-1/2"	DWCF210A	\$15.48
11/32"	3/8"	3/4"	3-1/2"	DWCF211	\$13.36
23/64"	3/8"	3/4"	3-1/2"	DWCF211A	\$15.48
3/8"	3/8"	3/4"	3-1/2"	DWCF212	\$12.63

DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
25/64"	1/2"	1"	4-1/8"	DWCF212A	\$20.97
13/32"	1/2"	1"	4-1/8"	DWCF213	\$18.10
27/64"	1/2"	1"	4-1/8"	DWCF213A	\$20.97
7/16"	1/2"	1"	4-1/8"	DWCF214	\$19.19
29/64"	1/2"	1"	4-1/8"	DWCF214A	\$23.09
15/32"	1/2"	1"	4-1/8"	DWCF215	\$19.88
31/64"	1/2"	1"	4-1/8"	DWCF216	\$23.09
1/2"	1/2"	1"	4-1/8"	DWCF218	\$19.35
9/16"	5/8"	1-3/8"	5"	DWCF220	\$26.41
5/8"	5/8"	1-3/8"	5"	DWCF228	\$25.89
11/16"	3/4"	1-5/8"	5-5/8"	DWCF230	\$32.97
3/4"	3/4"	1-5/8"	5-5/8"	DWCF232	\$33.26
13/16"	7/8"	1-7/8"	6-1/8"	DWCF234	\$44.68
7/8"	7/8"	1-7/8"	6-1/8"	DWCF242	\$44.30
15/16"	1"	1-7/8"	6-3/8"	DWCF244	\$53.14
1"	1"	1-7/8"	6-3/8"	DWCF252	\$53.14

HSS END MILLS

2 FLUTE SINGLE END LONG



DWCT Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/4"	3/8"	1"	2-3/4"	DWCTL308	\$20.03
5/16"	3/8"	1-1/4"	3"	DWCTL310	\$20.03
3/8"	3/8"	1-1/2"	3-1/4"	DWCTL312	\$20.03
1/2"	1/2"	2"	4"	DWCTL318	\$20.26
5/8"	5/8"	2"	4-1/8"	DWCTL328	\$29.80

DWCT Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
3/4"	3/4"	2-1/4"	4-1/2"	DWCTL332	\$36.79
7/8"	7/8"	2-1/2"	4-3/4"	DWCTL342	\$49.45
1"	1"	3"	5-1/2"	DWCTL352	\$63.21
1-1/4"	1-1/4"	3"	5-1/2"	DWCTL354	\$99.78

2 FLUTE SINGLE END BALL



DWCT Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	3/8"	3/8"	2-1/4"	DWCT1104	\$23.93
3/16"	3/8"	1/2"	2-3/8"	DWCT1106	\$23.93
1/4"	3/8"	5/8"	2-1/2"	DWCT1108	\$20.49
5/16"	3/8"	3/4"	2-1/2"	DWCT1110	\$22.68
3/8"	3/8"	3/4"	2-1/2"	DWCT1112	\$22.68
7/16"	1/2"	1"	3"	DWCT1114	\$31.57
1/2"	1/2"	1"	3"	DWCT1118	\$31.66
9/16"	1/2"	1"	3"	DWCT1120	\$45.70

DWCT Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
5/8"	5/8"	1-3/8"	3-1/2"	DWCT1128	\$46.72
3/4"	3/4"	1-5/8"	3-7/8"	DWCT1132	\$56.21
7/8"	7/8"	2"	4-1/4"	DWCT1142	\$73.66
1"	1"	2-1/4"	4-3/4"	DWCT1152	\$93.39
1-1/8"	1"	2-1/4"	4-3/4"	DWCT1154	\$128.64
1-1/4"	1-1/4"	2-1/2"	5"	DWCT1162	\$143.88
1-1/2"	1-1/4"	2-1/2"	5"	DWCT1164	\$189.40

2 FLUTE DOUBLE END BALL



DWCT Series

Size	Shank Dia.	Flute Length	Part Number	List Price
1/8"	3/8"	3/8"	DWC1/82FDEBALL	\$34.56
3/16"	3/8"	7/16"	DWC3/162FDEBALL	\$34.56
1/4"	3/8"	1/2"	DWC1/42FDEBALL	\$34.56
3/8"	3/8"	9/16"	DWC3/82FDEBALL	\$34.56
7/16"	1/2"	13/16"	DWC7/162FDEBALL	\$49.14

DWCT Series

Size	Shank Dia.	Flute Length	Part Number	List Price
1/2"	1/2"	13/16"	DWC1/22FDEBALL	\$48.94
5/8"	5/8"	1-1/8"	DWC5/82FDEBALL	\$75.22
3/4"	3/4"	1-5/16"	DWC3/42FDEBALL	\$87.69
7/8"	7/8"	1-9/16"	DWC7/82FDEBALL	\$119.16

4 FLUTE SINGLE END LONG



DWCT Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/4"	3/8"	1-1/4"	3-1/16"	DWCF708	\$12.76
5/16"	3/8"	1-3/8"	3-1/8"	DWCF710	\$12.76
3/8"	3/8"	1-1/2"	3-1/4"	DWCF712	\$12.76
7/16"	1/2"	1-3/4"	3-3/4"	DWCF714	\$18.45
1/2"	1/2"	2"	4"	DWCF718	\$19.49
5/8"	5/8"	2-1/2"	4-5/8"	DWCF728	\$28.51
3/4"	3/4"	3"	5-1/4"	DWCF732	\$35.21
7/8"	7/8"	3-1/2"	5-3/4"	DWCF742	\$47.15

DWCT Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1"	1"	4"	6-1/2"	DWCF752	\$60.48
1-1/8"	1"	4"	6-1/2"	DWCF754	\$95.42
1-1/4"	1"	4"	6-1/2"	DWCF756	\$108.93
1-1/4"	1-1/4"	4"	6-1/2"	DWCF762	\$108.93
1-1/2"	1"	4"	6-1/2"	DWCF760	\$140.04
1-1/2"	1-1/4"	4"	6-1/2"	DWCF764	\$144.83
1-3/4"	1-1/4"	4"	6-1/2"	DWCF768	\$204.01
2"	1-1/4"	4"	6-1/2"	DWCF772	\$249.03

HSS END MILLS

4 FLUTE SINGLE END EXTRA LONG



DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/4"	3/8"	1-3/4"	3-1/2"	DWCF908	\$17.32
5/16"	3/8"	2"	3-3/4"	DWCF910	\$18.76
3/8"	3/8"	2-1/2"	4-1/4"	DWCF912	\$19.29
1/2"	1/2"	3"	5"	DWCF918	\$26.19
5/8"	5/8"	4"	6-1/8"	DWCF928	\$40.28

DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
3/4"	3/4"	4"	6-1/4"	DWCF932	\$51.07
7/8"	7/8"	5"	7-1/4"	DWCF942	\$68.82
1"	1"	6"	8-1/2"	DWCF952	\$84.06
1-1/4"	1-1/4"	6"	8-1/2"	DWCF962	\$150.64
1-1/2"	1-1/4"	8"	10-1/2"	DWCF964	\$259.31

4 FLUTE SINGLE END BALL



DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
3/16"	3/8"	1/2"	2-3/8"	DWCF1106	\$35.35
1/4"	3/8"	5/8"	2-1/2"	DWCF1108	\$35.35
5/16"	3/8"	3/4"	2-1/2"	DWCF1110	\$35.35
3/8"	3/8"	3/4"	2-1/2"	DWCF1112	\$35.35
7/16"	1/2"	1"	3-1/16"	DWCF1114	\$45.62
1/2"	1/2"	1-1/4"	3-1/4"	DWCF1118	\$45.62

DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
5/8"	5/8"	1-5/8"	3-3/4"	DWCF1128	\$62.31
3/4"	3/4"	1-5/8"	3-7/8"	DWCF1132	\$72.21
7/8"	7/8"	1-7/8"	4-1/2"	DWCF1142	\$110.72
1"	1"	2-1/4"	4-3/4"	DWCF1152	\$127.42
1-1/4"	1-1/4"	2-1/2"	5"	DWCF1162	\$154.43

4 FLUTE SINGLE END - CENTER CUTTING



DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	3/8"	3/8"	2-5/16"	DWCF304-CC	\$17.65
3/16"	3/8"	1/2"	2-3/8"	DWCF306-CC	\$17.65
1/4"	3/8"	5/8"	2-1/2"	DWCF308-CC	\$17.65
5/16"	3/8"	3/4"	2-1/2"	DWCF310-CC	\$17.65
3/8"	3/8"	3/4"	2-1/2"	DWCF312-CC	\$17.65
1/2"	1/2"	1-1/4"	3-1/4"	DWCF318-CC	\$29.18
9/16"	1/2"	1-3/8"	3-3/8"	DWCF320-CC	\$35.62
5/8"	5/8"	1-5/8"	3-3/4"	DWCF328-CC	\$32.36
3/4"	5/8"	1-5/8"	3-3/4"	DWCF332-CC	\$38.76

DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
3/4"	3/4"	1-5/8"	3-7/8"	DWCF341-CC	\$38.76
7/8"	7/8"	1-7/8"	4-1/8"	DWCF342-CC	\$52.26
1"	5/8"	1-7/8"	4"	DWCF340-CC	\$61.34
1"	3/4"	1-7/8"	4-1/8"	DWCF345-CC	\$61.34
1"	1"	2"	4-1/2"	DWCF352-CC	\$61.34
1-1/8"	1"	2"	4-1/2"	DWCF354-CC	\$85.28
1-1/4"	1-1/4"	2"	4-1/2"	DWCF362-CC	\$100.79

4 FLUTE SINGLE END LONG - CC



DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/4"	3/8"	1-1/4"	3-1/16"	DWCF308-LCC	\$21.78
5/16"	3/8"	1-1/4"	3-1/8"	DWCF310-LCC	\$21.78
3/8"	3/8"	1-3/8"	3-1/4"	DWCF312-LCC	\$21.78

DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/2"	1/2"	2"	4"	DWCF318-LCC	\$28.41
3/4"	3/4"	3"	5-1/4"	DWCF341-LCC	\$48.31
7/8"	7/8"	3-1/2"	5-3/4"	DWCF342-LCC	\$58.58

4 FLUTE SINGLE END EXTRA LONG - CC



DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/4"	3/8"	1-3/4"	3-9/16"	DWCF308-XLCC	\$24.67
5/16"	3/8"	2"	3-3/4"	DWCF310-XLCC	\$25.94
3/8"	3/8"	2-1/2"	4-1/4"	DWCF312-XLCC	\$25.94

DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/2"	1/2"	3"	5"	DWCF318-XLCC	\$35.05
5/8"	5/8"	4"	6-1/8"	DWCF328-XLCC	\$51.52
3/4"	3/4"	4"	6-1/4"	DWCF341-XLCC	\$56.89

COBALT END MILLS

2 FLUTE SINGLE END



DWCT Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	3/8"	3/8"	2-5/16"	DWCTXL304	\$22.62
3/16"	3/8"	7/16"	2-5/16"	DWCTXL306	\$22.62
1/4"	3/8"	1/2"	2-5/16"	DWCTXL308	\$22.62
5/16"	3/8"	9/16"	2-5/16"	DWCTXL310	\$22.62
3/8"	3/8"	9/16"	2-3/8"	DWCTXL312	\$22.62
7/16"	3/8"	13/16"	2-1/2"	DWCTXL314	\$34.53
1/2"	3/8"	13/16"	2-1/2"	DWCTXL316	\$34.53
1/2"	1/2"	1"	3"	DWCTXL318	\$32.09
9/16"	1/2"	1-1/8"	3-1/8"	DWCTXL320	\$42.95
5/8"	5/8"	1-5/16"	3-7/16"	DWCTXL328	\$49.30

DWCT Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
3/4"	3/4"	1-5/16"	3-7/16"	DWCTXL341	\$62.43
7/8"	3/4"	1-1/2"	3-3/4"	DWCTXL341B	\$90.79
1"	1/2"	1-1/2"	3-1/2"	DWCTXL339	\$104.87
1"	5/8"	1-1/2"	3-5/8"	DWCTXL340	\$104.87
1"	3/4"	1-1/2"	3-3/4"	DWCTXL345	\$104.87
1-1/4"	3/4"	1-5/8"	3-7/8"	DWCTXL349	\$167.81
1-1/4"	1-1/4"	1-5/8"	4-1/8"	DWCTXL362	\$167.81
1-1/2"	3/4"	1-5/8"	3-7/8"	DWCTXL351A	\$225.79
1-1/2"	1"	1-5/8"	4-1/8"	DWCTXL360	\$225.79
1-3/4"	3/4"	1-5/8"	3-7/8"	DWCTXL367	\$380.14

4 FLUTE SINGLE END



DWCXL Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	3/8"	3/8"	2-5/16"	DWCXL304	\$22.62
3/16"	3/8"	1/2"	2-3/8"	DWCXL306	\$22.62
1/4"	3/8"	5/8"	2-1/2"	DWCXL308	\$22.62
5/16"	3/8"	3/4"	2-1/2"	DWCXL310	\$22.62
3/8"	3/8"	3/4"	2-1/2"	DWCXL312	\$22.62
7/16"	3/8"	1"	2-11/16"	DWCXL314	\$38.68
1/2"	1/2"	1-1/4"	3-1/4"	DWCXL318	\$32.09
5/8"	5/8"	1-5/8"	3-3/4"	DWCXL328	\$54.69
3/4"	5/8"	1-5/8"	3-3/4"	DWCXL332	\$73.32

DWCXL Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
3/4"	3/4"	1-5/8"	3-3/4"	DWCXL341	\$73.32
7/8"	1/2"	1-7/8"	4"	DWCXL335	\$95.66
7/8"	3/4"	1-7/8"	4-1/8"	DWCXL341B	\$95.66
1"	1/2"	1-7/8"	4"	DWCXL339	\$106.96
1"	3/4"	1-7/8"	4"	DWCXL345	\$106.96
1"	1"	2"	4-1/2"	DWCXL352	\$106.96
1-1/4"	3/4"	2"	4-1/4"	DWCXL349	\$169.41
1-1/4"	1-1/4"	2"	4-1/2"	DWCXL362	\$169.41

4 FLUTE DOUBLE END



DWCXL Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	3/8"	3/8"	3-1/16"	DWCXL204	\$29.12
5/32"	3/8"	7/16"	3-1/8"	DWCXL205	\$29.12
3/16"	3/8"	1/2"	3-1/4"	DWCXL206	\$29.12
1/4"	3/8"	5/8"	3-3/8"	DWCXL208	\$29.12
5/16"	3/8"	3/8"	3-1/2"	DWCXL210	\$29.12
3/8"	3/8"	3/4"	3-1/2"	DWCXL212	\$29.12
7/16"	1/2"	1"	4-1/8"	DWCXL214	\$48.29

DWCXL Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/2"	1/2"	1"	4-1/8"	DWCXL218	\$48.29
9/16"	5/8"	1-3/8"	5"	DWCXL220	\$73.37
5/8"	5/8"	1-3/8"	5"	DWCXL228	\$73.37
3/4"	3/4"	1-5/8"	5-5/8"	DWCXL232	\$93.61
7/8"	7/8"	1-7/8"	6-1/8"	DWCXL242	\$133.91
1"	1"	1-7/8"	6-3/8"	DWCXL252	\$152.99

COBALT ROUGHING



DWC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/4"	3/8"	5/8"	2-7/16"	DWC1/4	\$45.48
5/16"	3/8"	3/4"	2-1/2"	DWC5/16	\$45.48
3/8"	3/8"	3/4"	2-1/2"	DWC3/8	\$45.48
7/16"	1/2"	7/8"	3"	DWC7/16	\$59.26
1/2"	1/2"	1-1/4"	3-1/4"	DWC1/2	\$59.26
9/16"	1/2"	1-3/8"	3-3/8"	DWC9/16	\$73.70
5/8"	5/8"	1-5/8"	3-3/4"	DWC5/8	\$73.70
3/4"	5/8"	1-5/8"	3-3/4"	DWC3/4	\$89.74

DWC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
7/8"	3/4"	1-7/8"	4-1/8"	DWC7/8	\$130.39
1"	3/4"	2"	4-1/2"	DWC1INCH	\$138.50
1"	1"	2"	4-1/2"	DWC1X1	\$138.50
1-1/8"	1"	2"	4-1/2"	DWC1-1/8	\$198.47
1-1/4"	1-1/4"	2"	4-1/2"	DWC1-1/4	\$266.48
1-1/2"	1-1/4"	2"	4-1/2"	DWC1-1/2	\$387.81
1-3/4"	1-1/4"	2"	4-1/2"	DWC1-3/4	\$512.28
2"	1-1/4"	2"	4-1/2"	DWC2INCH	\$599.76

BRC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/4"	3/8"	5/8"	2-7/16"	BRC1/4	\$47.37
5/16"	3/8"	3/4"	2-1/2"	BRC5/16	\$47.37
3/8"	3/8"	3/4"	2-1/2"	BRC3/8	\$47.37
1/2"	1/2"	1-1/4"	3-1/4"	BRC1/2	\$61.20

BRC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
5/8"	5/8"	1-5/8"	3-3/4"	BRC5/8	\$76.37
3/4"	5/8"	1-5/8"	3-3/4"	BRC3/4	\$90.83
1"	3/4"	1-5/8"	3-3/4"	BRC1INCH	\$136.22

HSS END MILLS METRIC SIZES

2 FLUTE SINGLE END



DWC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
4MM	3/8"	7/16"	2-5/16"	DWC4MM-2FSE	\$28.46
5MM	3/8"	1/2"	2-5/16"	DWC5MM-2FSE	\$28.46
6MM	3/8"	1/2"	2-5/16"	DWC6MM-2FSE	\$28.46
8MM	3/8"	9/16"	2-5/16"	DWC8MM-2FSE	\$28.46
10MM	3/8"	13/16"	2-1/2"	DWC10MM-2FSE	\$28.46
11MM	3/8"	13/16"	2-1/2"	DWC11MM-2FSE	\$32.88
12MM	3/8"	13/16"	2-1/2"	DWC12MM-2FSE	\$32.88

DWC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
14MM	1/2"	1-1/8"	3-1/8"	DWC14MM-2FSE	\$45.85
16MM	5/8"	1-5/16"	3-7/16"	DWC16MM-2FSE	\$52.17
18MM	5/8"	1-5/16"	3-7/16"	DWC18MM-2FSE	\$56.92
20MM	3/4"	1-1/2"	3-3/4"	DWC20MM-2FSE	\$70.48
24MM	1"	2"	4-1/2"	DWC24MM-2FSE	\$80.33
26MM	1"	2"	4-1/2"	DWC26MM-2FSE	\$98.39

4 FLUTE SINGLE END



DWC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
4MM	3/8"	1/2"	2-5/16"	DWC4MM-4FSE	\$28.46
5MM	3/8"	9/16"	2-1/2"	DWC5MM-4FSE	\$28.46
6MM	3/8"	5/8"	2-1/2"	DWC6MM-4FSE	\$28.46
8MM	3/8"	3/4"	2-1/2"	DWC8MM-4FSE	\$28.46
10MM	3/8"	1"	2-11/16"	DWC10MM-4FSE	\$28.46
11MM	3/8"	1"	2-11/16"	DWC11MM-4FSE	\$32.88
12MM	3/8"	1"	2-11/16"	DWC12MM-4FSE	\$32.88

DWC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
14MM	1/2"	1-3/8"	3-3/8"	DWC14MM-4FSE	\$45.85
16MM	5/8"	1-5/8"	3-3/4"	DWC16MM-4FSE	\$52.17
18MM	5/8"	1-5/8"	3-3/4"	DWC18MM-4FSE	\$56.92
20MM	3/4"	1-7/8"	4-1/8"	DWC20MM-4FSE	\$70.48
24MM	1"	2"	4-1/2"	DWC24MM-4FSE	\$80.33
26MM	1"	2"	4-1/2"	DWC26MM-4FSE	\$98.39

2 FLUTE DOUBLE END



DWC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
4MM	3/8"	7/16"	3-1/8"	DWC4MM-2FDE	\$41.26
5MM	3/8"	7/16"	3-1/8"	DWC5MM-2FDE	\$41.26
6MM	3/8"	1/2"	3-3/8"	DWC6MM-2FDE	\$41.26
7MM	3/8"	9/16"	3-1/2"	DWC7MM-2FDE	\$41.26
8MM	3/8"	9/16"	3-1/2"	DWC8MM-2FDE	\$41.26

DWC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
10MM	1/2"	3/4"	3-3/4"	DWC10MM-2FDE	\$41.26
12MM	1/2"	1"	3-3/4"	DWC12MM-2FDE	\$47.66
14MM	5/8"	1-3/8"	5-1/2"	DWC14MM-2FDE	\$75.65
16MM	5/8"	1-3/8"	5-1/2"	DWC16MM-2FDE	\$80.54

4 FLUTE DOUBLE END



DWC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
4MM	3/8"	7/16"	3-1/8"	DWC4MM-4FDE	\$41.26
5MM	3/8"	7/16"	3-1/8"	DWC5MM-4FDE	\$41.26
6MM	3/8"	1/2"	3-3/8"	DWC6MM-4FDE	\$41.26
7MM	3/8"	9/16"	3-1/2"	DWC7MM-4FDE	\$41.26

DWC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
8MM	3/8"	9/16"	3-1/2"	DWC8MM-4FDE	\$41.26
10MM	1/2"	13/16"	3-3/4"	DWC10MM-4FDE	\$41.26
12MM	1/2"	13/16"	3-3/4"	DWC12MM-4FDE	\$47.66
14MM	1/2"	13/16"	3-3/4"	DWC14MM-4FDE	\$47.66

HSS END MILLS 3/16" SHANK MINIATURES

2 FLUTE DOUBLE END



DWCT Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/32"	3/16"	3/32"	2-1/4"	DWCT11	\$21.77
3/64"	3/16"	9/64"	2-1/4"	DWCT111	\$21.77
1/16"	3/16"	3/16"	2-1/4"	DWCT12	\$21.77
5/64"	3/16"	15/64"	2-1/4"	DWCT12A	\$21.77
3/32"	3/16"	9/32"	2-1/4"	DWCT13	\$21.77
7/64"	3/16"	21/64"	2-1/4"	DWCT13A	\$21.77

DWCT Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	3/16"	3/8"	2-1/4"	DWCT14	\$21.77
9/64"	3/16"	13/32"	2-1/4"	DWCT14A	\$21.77
5/32"	3/16"	7/16"	2-1/4"	DWCT15	\$21.77
11/64"	3/16"	1/2"	2-1/4"	DWCT15A	\$21.77
3/16"	3/16"	1/2"	2-1/4"	DWCT16	\$21.77

2 FLUTE DOUBLE END LONG



DWCT Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/16"	3/16"	7/32"	2-1/2"	DWCT102	\$23.75
5/64"	3/16"	7/32"	2-1/2"	DWCT102A	\$23.75
3/32"	3/16"	9/32"	2-5/8"	DWCT103	\$23.75
7/64"	3/16"	9/32"	2-5/8"	DWCT103A	\$23.75
1/8"	3/16"	3/4"	3-1/8"	DWCT104	\$23.75

DWCT Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
9/64"	3/16"	3/4"	3-1/8"	DWCT104A	\$23.75
5/32"	3/16"	7/8"	3-1/4"	DWCT105	\$23.75
11/64"	3/16"	7/8"	3-1/4"	DWCT105A	\$23.75
3/16"	3/16"	1"	3-3/8"	DWCT106	\$23.75

4 FLUTE DOUBLE END



DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/16"	3/16"	3/16"	2-1/4"	DWCF12	\$21.77
5/64"	3/16"	15/64"	2-1/4"	DWCF12A	\$21.77
3/32"	3/16"	9/32"	2-1/4"	DWCF13	\$21.77
7/64"	3/16"	21/64"	2-1/4"	DWCF13A	\$21.77
1/8"	3/16"	3/8"	2-1/4"	DWCF14	\$21.77

DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
9/64"	3/16"	13/32"	2-1/4"	DWCF14A	\$21.77
5/32"	3/16"	7/16"	2-1/4"	DWCF15	\$21.77
11/64"	3/16"	1/2"	2-1/4"	DWCF15A	\$21.77
3/16"	3/16"	1/2"	2-1/4"	DWCF16	\$21.77

4 FLUTE DOUBLE END LONG



DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/16"	3/16"	7/32"	2-1/2"	DWCF102	\$23.75
3/32"	3/16"	9/32"	2-5/8"	DWCF103	\$23.75
7/64"	3/16"	9/32"	2-5/8"	DWCF103A	\$23.75
1/8"	3/16"	3/4"	3-1/8"	DWCF104	\$23.75

DWCF Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
9/64"	3/16"	3/4"	3-1/8"	DWCF104A	\$23.75
5/32"	3/16"	7/8"	3-1/4"	DWCF105	\$23.75
11/64"	3/16"	7/8"	3-1/4"	DWCF105A	\$23.75
3/16"	3/16"	1"	3-3/8"	DWCF106	\$23.75

SOLID CARBIDE END MILLS

2 FLUTE SINGLE END



MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/32"	1/8"	1/8"	1-1/2"	MMO1/32-2FSE	\$20.99
3/64"	1/8"	1/8"	1-1/2"	MMO3/64-2FSE	\$25.87
1/16"	1/8"	3/16"	1-1/2"	MMO1/16-2FSE	\$18.96
5/64"	1/8"	3/8"	1-1/2"	MMO5/64-2FSE	\$18.96
3/32"	1/8"	3/8"	1-1/2"	MMO3/32-2FSE	\$18.45
7/64"	1/8"	3/8"	1-1/2"	MMO7/64-2FSE	\$18.96
1/8"	1/8"	1/2"	1-1/2"	MMO1/8-2FSE	\$16.94
9/64"	3/16"	1/2"	2"	MMO9/64-2FSE	\$27.13
5/32"	3/16"	1/2"	2"	MMO5/32-2FSE	\$24.27
11/64"	3/16"	5/8"	2"	MMO11/64-2FSE	\$26.82
3/16"	3/16"	5/8"	2"	MMO3/16-2FSE	\$23.09
13/64"	1/4"	5/8"	2-1/2"	MMO13/64-2FSE	\$35.01

MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
7/32"	1/4"	5/8"	2-1/2"	MMO7/32-2FSE	\$32.14
15/64"	1/4"	3/4"	2-1/2"	MMO15/64-2FSE	\$35.65
1/4"	1/4"	3/4"	2-1/2"	MMO1/4-2FSE	\$29.00
5/16"	5/16"	13/16"	2-1/2"	MMO5/16-2FSE	\$39.68
3/8"	3/8"	1"	2-1/2"	MMO3/8-2FSE	\$51.09
7/16"	7/16"	1"	2-3/4"	MMO7/16-2FSE	\$66.99
1/2"	1/2"	1"	3"	MMO1/2-2FSE	\$84.10
9/16"	9/16"	1-1/8"	3-1/2"	MMO9/16-2FSE	\$150.76
5/8"	5/8"	1-1/4"	3-1/2"	MMO5/8-2FSE	\$161.13
3/4"	3/4"	1-1/2"	4"	MMO3/4-2FSE	\$237.65
1"	1"	1-1/2"	4"	MMO1-2FSE	\$373.90

2 FLUTE SINGLE END BALL



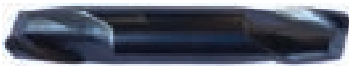
MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/32"	1/8"	1/8"	1-1/2"	MMO1/32-2FSE-BN	\$31.79
3/64"	1/8"	1/8"	1-1/2"	MMO3/64-2FSE-BN	\$31.79
1/16"	1/8"	3/16"	1-1/2"	MMO1/16-2FSE-BN	\$23.87
5/64"	1/8"	3/16"	1-1/2"	MMO5/64-2FSE-BN	\$24.35
3/32"	1/8"	3/8"	1-1/2"	MMO3/32-2FSE-BN	\$23.87
7/64"	1/8"	3/8"	1-1/2"	MMO7/64-2FSE-BN	\$24.35
1/8"	1/8"	1/2"	1-1/2"	MMO1/8-2FSE-BN	\$21.59
3/16"	3/16"	5/8"	2"	MMO3/16-2FSE-BN	\$28.48

MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/4"	1/4"	3/4"	2-1/2"	MMO1/4-2FSE-BN	\$36.17
5/16"	5/16"	13/16"	2-1/2"	MMO5/16-2FSE-BN	\$47.49
3/8"	3/8"	1"	2-1/2"	MMO3/8-2FSE-BN	\$58.04
1/2"	1/2"	1"	3"	MMO1/2-2FSE-BN	\$107.30
5/8"	5/8"	1-1/4"	3-1/2"	MMO5/8-2FSE-BN	\$179.85
3/4"	3/4"	1-1/2"	4"	MMO3/4-2FSE-BN	\$264.87
1"	1"	1-1/2"	4"	MMO1-2FSE-BN	\$483.35

2 FLUTE DOUBLE END STUB



MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/32"	1/8"	1/16"	1-1/2"	MMO1/32-2FDE-ST	\$30.29
3/64"	1/8"	3/32"	1-1/2"	MMO3/64-2FDE-ST	\$30.29
1/16"	1/8"	1/8"	1-1/2"	MMO1/16-2FDE-ST	\$27.61
5/64"	1/8"	1/8"	1-1/2"	MMO5/64-2FDE-ST	\$27.61
3/32"	1/8"	3/16"	1-1/2"	MMO3/32-2FDE-ST	\$27.61
7/64"	1/8"	3/16"	1-1/2"	MMO7/64-2FDE-ST	\$27.61

MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	1/8"	1/4"	1-1/2"	MMO1/8-2FDE-ST	\$23.19
3/16"	3/16"	3/8"	2"	MMO3/16-2FDE-ST	\$35.80
1/4"	1/4"	1/2"	2-1/2"	MMO1/4-2FDE-ST	\$46.74
5/16"	5/16"	1/2"	2-1/2"	MMO5/16-2FDE-ST	\$58.33
3/8"	3/8"	9/16"	2-1/2"	MMO3/8-2FDE-ST	\$59.26
1/2"	1/2"	5/8"	3"	MMO1/2-2FDE-ST	\$93.95

2 FLUTE DOUBLE END STUB BALL



MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/32"	1/8"	1/16"	1-1/2"	MMO1/32-2FDE-ST-BN	\$38.52
3/64"	1/8"	3/32"	1-1/2"	MMO3/64-2FDE-ST-BN	\$38.52
1/16"	1/8"	1/8"	1-1/2"	MMO1/16-2FDE-ST-BN	\$35.47
5/64"	1/8"	1/8"	1-1/2"	MMO5/64-2FDE-ST-BN	\$38.52
3/32"	1/8"	3/16"	1-1/2"	MMO3/32-2FDE-ST-BN	\$35.47
7/64"	1/8"	3/16"	1-1/2"	MMO7/64-2FDE-ST-BN	\$38.52

MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	1/8"	1/4"	1-1/2"	MMO1/8-2FDE-ST-BN	\$35.47
3/16"	3/16"	3/8"	2"	MMO3/16-2FDE-ST-BN	\$47.80
1/4"	1/4"	1/2"	2-1/2"	MMO1/4-2FDE-ST-BN	\$59.91
5/16"	5/16"	1/2"	2-1/2"	MMO5/16-2FDE-ST-BN	\$78.82
3/8"	3/8"	9/16"	2-1/2"	MMO3/8-2FDE-ST-BN	\$83.92
1/2"	1/2"	5/8"	3"	MMO1/2-2FDE-ST-BN	\$139.04

SOLID CARBIDE END MILLS

4 FLUTE SINGLE END



MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/32"	1/8"	1/8"	1-1/2"	MMO1/32-4FSE	\$20.99
3/64"	1/8"	1/8"	1-1/2"	MMO3/64-4FSE	\$25.87
1/16"	1/8"	3/16"	1-1/2"	MMO1/16-4FSE	\$18.96
5/64"	1/8"	3/8"	1-1/2"	MMO5/64-4FSE	\$18.96
3/32"	1/8"	3/8"	1-1/2"	MMO3/32-4FSE	\$18.45
7/64"	1/8"	3/8"	1-1/2"	MMO7/64-4FSE	\$18.96
1/8"	1/8"	1/2"	1-1/2"	MMO1/8-4FSE	\$16.94
9/64"	3/16"	1/2"	2"	MMO9/64-4FSE	\$27.13
5/32"	3/16"	1/2"	2"	MMO5/32-4FSE	\$24.27
11/64"	3/16"	5/8"	2"	MMO11/64-4FSE	\$26.82
3/16"	3/16"	5/8"	2"	MMO3/16-4FSE	\$23.09
13/64"	1/4"	5/8"	2-1/2"	MMO13/64-4FSE	\$35.01

MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
7/32"	1/4"	5/8"	2-1/2"	MMO7/32-4FSE	\$32.14
15/64"	1/4"	3/4"	2-1/2"	MMO15/64-4FSE	\$35.65
1/4"	1/4"	3/4"	2-1/2"	MMO1/4-4FSE	\$29.00
5/16"	5/16"	13/16"	2-1/2"	MMO5/16-4FSE	\$39.68
3/8"	3/8"	1"	2-1/2"	MMO3/8-4FSE	\$51.09
7/16"	7/16"	1"	2-3/4"	MMO7/16-4FSE	\$66.99
1/2"	1/2"	1"	3"	MMO1/2-4FSE	\$84.10
9/16"	9/16"	1-1/8"	3-1/2"	MMO9/16-4FSE	\$150.76
5/8"	5/8"	1-1/4"	3-1/2"	MMO5/8-4FSE	\$161.13
3/4"	3/4"	1-1/2"	4"	MMO3/4-4FSE	\$237.65
1"	1"	1-1/2"	4"	MMO1-4FSE	\$373.90

4 FLUTE SINGLE END BALL



MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/32"	1/8"	1/8"	1-1/2"	MMO1/32-4FSE-BN	\$31.79
3/64"	1/8"	1/8"	1-1/2"	MMO3/64-4FSE-BN	\$31.79
1/16"	1/8"	3/16"	1-1/2"	MMO1/16-4FSE-BN	\$23.87
5/64"	1/8"	3/16"	1-1/2"	MMO5/64-4FSE-BN	\$24.35
3/32"	1/8"	3/8"	1-1/2"	MMO3/32-4FSE-BN	\$23.87
1/8"	1/8"	3/8"	1-1/2"	MMO1/8-4FSE-BN	\$21.59
3/16"	3/16"	5/8"	2"	MMO3/16-4FSE-BN	\$28.48

MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/4"	1/4"	3/4"	2-1/2"	MMO1/4-4FSE-BN	\$36.17
5/16"	5/16"	1/2"	2-1/2"	MMO5/16-4FSE-BN	\$47.49
3/8"	3/8"	1"	2-1/2"	MMO3/8-4FSE-BN	\$58.04
1/2"	1/2"	1"	3"	MMO1/2-4FSE-BN	\$107.30
5/8"	5/8"	1-1/4"	3-1/2"	MMO5/8-4FSE-BN	\$179.85
3/4"	3/4"	1-1/2"	4"	MMO3/4-4FSE-BN	\$264.87
1"	1"	1-1/2"	4"	MMO1-4FSE-BN	\$483.35

4 FLUTE SINGLE END LONG



MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	1/8"	3/4"	2-1/4"	MMO1/8-4FSE-LONG	\$29.02
3/16"	3/16"	3/4"	2-1/4"	MMO3/16-4FSE-LONG	\$35.21
1/4"	1/4"	1-1/8"	3"	MMO1/4-4FSE-LONG	\$48.46
3/8"	3/8"	1-1/8"	3"	MMO3/8-4FSE-LONG	\$72.26

MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/2"	1/2"	2"	4"	MMO1/2-4FSE-LONG	\$127.92
5/8"	5/8"	2-1/4"	5"	MMO5/8-4FSE-LONG	\$249.03
3/4"	3/4"	2-1/4"	5"	MMO3/4-4FSE-LONG	\$322.05
1"	1"	2-1/4"	5"	MMO1-4FSE-LONG	\$586.73

4 FLUTE SINGLE END EXTRA LONG



MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	1/8"	1"	3"	MMO1/8-4FSE-XLONG	\$37.66
3/16"	3/16"	1-1/8"	3"	MMO3/16-4FSE-XLONG	\$39.36
1/4"	1/4"	1-1/2"	4"	MMO1/4-4FSE-XLONG	\$52.86
3/8"	3/8"	1-3/4"	4"	MMO3/8-4FSE-XLONG	\$80.83

MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/2"	1/2"	3"	6"	MMO1/2-4FSE-XLONG	\$182.33
5/8"	5/8"	3"	6"	MMO5/8-4FSE-XLONG	\$259.92
3/4"	3/4"	3"	6"	MMO3/4-4FSE-XLONG	\$375.12
1"	1"	3"	6"	MMO1-4FSE-XLONG	\$670.70

SOLID CARBIDE END MILLS

4 FLUTE DOUBLE END STUB



MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/32"	1/8"	1/16"	1-1/2"	MMO1/32-4FDE-ST	\$30.29
3/64"	1/8"	3/32"	1-1/2"	MMO3/64-4FDE-ST	\$30.29
1/16"	1/8"	1/8"	1-1/2"	MMO1/16-4FDE-ST	\$27.61
5/64"	1/8"	1/8"	1-1/2"	MMO5/64-4FDE-ST	\$27.61
3/32"	1/8"	3/16"	1-1/2"	MMO3/32-4FDE-ST	\$27.61
7/64"	1/8"	3/16"	1-1/2"	MMO7/64-4FDE-ST	\$27.61

MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	1/8"	1/4"	1-1/2"	MMO1/8-4FDE-ST	\$23.27
3/16"	3/16"	3/8"	2"	MMO3/16-4FDE-ST	\$35.80
1/4"	1/4"	1/2"	2-1/2"	MMO1/4-4FDE-ST	\$46.74
5/16"	5/16"	1/2"	2-1/2"	MMO5/16-4FDE-ST	\$58.33
3/8"	3/8"	9/16"	2-1/2"	MMO3/8-4FDE-ST	\$59.26
1/2"	1/2"	5/8"	3"	MMO1/2-4FDE-ST	\$93.95

4 FLUTE DOUBLE END STUB BALL



MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/32"	1/8"	1/16"	1-1/2"	MMO1/32-4FDE-ST-BN	\$38.52
3/64"	1/8"	3/32"	1-1/2"	MMO3/64-4FDE-ST-BN	\$38.52
1/16"	1/8"	1/8"	1-1/2"	MMO1/16-4FDE-ST-BN	\$35.47
5/64"	1/8"	1/8"	1-1/2"	MMO5/64-4FDE-ST-BN	\$38.52
3/32"	1/8"	3/16"	1-1/2"	MMO3/32-4FDE-ST-BN	\$35.47
7/64"	1/8"	3/16"	1-1/2"	MMO7/64-4FDE-ST-BN	\$38.52

MMO Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/8"	1/8"	1/4"	1-1/2"	MMO1/8-4FDE-ST-BN	\$35.47
3/16"	3/16"	3/8"	2"	MMO3/16-4FDE-ST-BN	\$47.80
1/4"	1/4"	1/2"	2-1/2"	MMO1/4-4FDE-ST-BN	\$59.91
5/16"	5/16"	1/2"	2-1/2"	MMO5/16-4FDE-ST-BN	\$78.82
3/8"	3/8"	9/16"	2-1/2"	MMO3/8-4FDE-ST-BN	\$83.92
1/2"	1/2"	5/8"	3"	MMO1/2-4FDE-ST-BN	\$139.04



HSS SHELL END MILLS

DWCA Series

Size	Flute Length	Slot Width	Slot Depth	Hole Size	Part Number	List Price
1-1/4"	1"	1/4"	5/32"	1/2"	DWCA1610	\$123.09
1-1/2"	1-1/8"	1/4"	5/32"	1/2"	DWCA1612	\$125.31
1-3/4"	1-1/4"	5/16"	3/16"	3/4"	DWCA1614	\$158.25
2"	1-3/8"	5/16"	3/16"	3/4"	DWCA1616	\$184.45
2-1/4"	1-1/2"	3/8"	7/32"	1"	DWCA1618	\$207.67
2-1/2"	1-5/8"	3/8"	7/32"	1"	DWCA1620	\$249.94
2-3/4"	1-5/8"	3/8"	7/32"	1"	DWCA1622	\$308.55

DWCA Series

Size	Flute Length	Slot Width	Slot Depth	Hole Size	Part Number	List Price
3"	1-3/4"	1/2"	9/32"	1-1/4"	DWCA1624	\$349.21
3-1/2"	1-7/8"	1/2"	9/32"	1-1/4"	DWCA1626	\$469.65
4"	2-1/4"	5/8"	3/8"	1-1/2"	DWCA1628	\$577.42
4-1/2"	2-1/4"	5/8"	3/8"	1-1/2"	DWCA1630	\$670.48
5"	2-1/4"	5/8"	3/8"	1-1/2"	DWCA1632	\$867.67
5-1/2"	2-1/4"	3/4"	7/16"	2"	DWCA1634	\$1,158.23
6"	2-1/4"	3/4"	7/16"	2"	DWCA1636	\$1,268.69

HSS CORNER ROUNDING END MILLS



DWCC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
1/16"	7/16"	3/8"	2-1/2"	DWCC402	\$58.32
3/32"	1/2"	3/8"	2-1/2"	DWCC403	\$64.04
1/8"	5/8"	1/2"	3"	DWCC404	\$71.02
5/32"	3/4"	1/2"	3"	DWCC405	\$78.36
3/16"	7/8"	3/4"	3-1/8"	DWCC406	\$89.96
1/4"	1"	3/4"	3-1/8"	DWCC408	\$79.07
5/16"	1-1/8"	3/4"	3-1/4"	DWCC409	\$109.85
5/16"	1-1/8"	7/8"	3-1/2"	DWCC410	\$109.85

DWCC Series

Size	Shank Dia.	Flute Length	O.A.L.	Part Number	List Price
3/8"	1-1/4"	3/4"	3-1/2"	DWCC411	\$109.85
3/8"	1-1/4"	7/8"	3-3/4"	DWCC412	\$109.85
7/16"	1-3/8"	3/4"	3-3/4"	DWCC413	\$148.68
7/16"	1-3/8"	1"	4"	DWCC414	\$148.68
1/2"	1-1/2"	3/4"	3-7/8"	DWCC416	\$166.90
5/8"	1-5/8"	3/4"	4"	DWCC420	\$323.12
5/8"	1-5/8"	1"	4-1/4"	DWCC422	\$323.12
3/4"	1-7/8"	3/4"	4-1/8"	DWCC424	\$378.10

DOUBLE CUT CARBIDE BURS

CYLINDRICAL

DUL Series			
Cutting Diameter	Length Of Cut	Part Number	List Price
1/8"	1/2"	DULSA11	\$15.69
1/8"	5/8"	DULSA12	\$14.13
5/32"	5/8"	DULSA13	\$18.70
3/16"	5/8"	DULSA14	\$15.60
1/4"	5/8"	DULSA1	\$12.75
1/4"	1"	DULSA1A	\$16.08
5/16"	3/4"	DULSA2	\$16.65
5/16"	1"	DULSA2A	\$26.02
3/8"	3/4"	DULSA3	\$17.58
3/8"	1"	DULSA3A	\$23.02
3/8"	1-1/2"	DULSA3B	\$29.49
7/16"	1"	DULSA4	\$28.17
1/2"	1"	DULSA5	\$28.58
5/8"	1"	DULSA6	\$38.09
3/4"	1"	DULSA7	\$65.75
3/4"	3/4"	DULSA16	\$54.16
1"	1"	DULSA9	\$81.62

DOUBLE CUT



CYLINDRICAL (END CUT)

DUL Series			
Cutting Diameter	Length Of Cut	Part Number	List Price
1/8"	1/2"	DULSB11	\$17.12
1/8"	5/8"	DULSB12	\$17.07
3/16"	5/8"	DULSB14	\$17.82
1/4"	5/8"	DULSB1	\$17.82
1/4"	1"	DULSB1A	\$22.22
5/16"	3/4"	DULSB2	\$21.52
5/16"	1"	DULSB2A	\$36.60
3/8"	3/4"	DULSB3	\$22.99
3/8"	1"	DULSB3A	\$31.76
3/8"	1-1/2"	DULSB3B	\$39.60
7/16"	1"	DULSB4	\$34.69
1/2"	1"	DULSB5	\$37.30
5/8"	1"	DULSB6	\$48.61
3/4"	1"	DULSB7	\$71.22
3/4"	3/4"	DULSB16	\$63.36
1"	1"	DULSB9	\$95.64



CYLINDRICAL (RADIUS END)

DUL Series			
Cutting Diameter	Length Of Cut	Part Number	List Price
1/8"	1/2"	DULSC11	\$15.60
1/8"	5/8"	DULSC12	\$16.54
3/16"	5/8"	DULSC14	\$17.83
1/4"	5/8"	DULSC1	\$17.84
1/4"	1"	DULSC1A	\$20.90
5/16"	3/4"	DULSC2	\$21.52
5/16"	1"	DULSC2A	\$30.92
3/8"	3/4"	DULSC3	\$23.18
3/8"	1"	DULSC3A	\$27.48
3/8"	1-1/2"	DULSC3B	\$34.50
7/16"	1"	DULSC4	\$34.42
1/2"	1"	DULSC5	\$37.95
5/8"	1"	DULSC6	\$42.93
3/4"	1"	DULSC7	\$63.33
1"	1"	DULSC9	\$107.54



DUL Series			
Cutting Diameter	Length Of Cut	Part Number	List Price
1/8"	3/32"	DULSD11	\$15.99
3/16"	1/4"	DULSD14	\$15.58
1/4"	3/16"	DULSD1	\$16.22
5/16"	1/4"	DULSD2	\$17.57
3/8"	5/16"	DULSD3	\$18.96
7/16"	3/8"	DULSD4	\$24.02
1/2"	7/16"	DULSD5	\$26.64
5/8"	9/16"	DULSD6	\$35.79
3/4"	11/16"	DULSD7	\$47.62
1"	15/16"	DULSD9	\$81.74



DUL Series			
Cutting Diameter	Length Of Cut	Part Number	List Price
3/16"	5/16"	DULSE11	\$19.60
1/4"	3/8"	DULSE1	\$19.60
3/8"	5/8"	DULSE3	\$21.36
1/2"	7/8"	DULSE5	\$35.30
5/8"	1"	DULSE6	\$49.21
3/4"	1"	DULSE7	\$65.88

OVAL



DUL Series			
Cutting Diameter	Length Of Cut	Part Number	List Price
1/8"	1/2"	DULSF11	\$18.96
1/4"	5/8"	DULSF1	\$18.97
3/8"	3/4"	DULSF3	\$22.76
7/16"	1"	DULSF4	\$34.52
1/2"	1"	DULSF5	\$34.86
1/2"	3/4"	DULSF13	\$34.86
5/8"	1"	DULSF6	\$48.29
3/4"	1"	DULSF7	\$63.54
3/4"	1-1/4"	DULSF14	\$71.84
3/4"	1-1/2"	DULSF15	\$93.76



TREE (POINTED END)

DUL Series			
Cutting Diameter	Length Of Cut	Part Number	List Price
1/4"	5/8"	DULSG1	\$18.96
5/16"	3/4"	DULSG2	\$21.91
3/8"	3/4"	DULSG3	\$24.24
1/2"	1"	DULSG5	\$34.42
1/2"	3/4"	DULSG13	\$35.32
5/8"	1"	DULSG6	\$47.64
3/4"	1"	DULSG7	\$63.54
3/4"	1-1/2"	DULSG15	\$93.76



DUL Series			
Cutting Diameter	Length Of Cut	Part Number	List Price
1/4"	5/8"	DULSH1	\$21.52
5/16"	3/4"	DULSH2	\$22.75
1/2"	1-1/4"	DULSH5	\$49.24
5/8"	1-7/16"	DULSH6	\$69.72
3/4"	1-5/8"	DULSH7	\$90.49



60° (INCLUDED ANGLE)

DUL Series			
Cutting Diameter	Length Of Cut	Part Number	List Price
1/4"	3/16"	DULSJ1	\$17.58
3/8"	5/16"	DULSJ3	\$21.62
1/2"	7/16"	DULSJ5	\$27.58
5/8"	1/2"	DULSJ6	\$34.69
3/4"	5/8"	DULSJ7	\$45.64
1"	3/4"	DULSJ9	\$73.22



SOLID CARBIDE BURS

90° (INCLUDED ANGLE)

DUL Series

Cutting Diameter	Length Of Cut	Part Number	List Price
1/4"	1/8"	DULSK1	\$16.50
5/16"	3/16"	DULSK2	\$23.26
3/8"	3/16"	DULSK3	\$22.16
1/2"	1/4"	DULSK5	\$26.81
5/8"	5/16"	DULSK6	\$33.80
3/4"	3/8"	DULSK7	\$45.93
1"	1/2"	DULSK9	\$73.13

DUL Series

Cutting Diameter	Length Of Cut	Part Number	List Price
1/4"	1/2"	DULSM1	\$19.02
1/4"	3/4"	DULSM2	\$20.25
1/4"	1"	DULSM3	\$21.93
1/4"	1-1/4"	DULSM3A	\$29.53
3/8"	5/8"	DULSM4	\$29.14
1/2"	7/8"	DULSM5	\$38.06
5/8"	1"	DULSM6	\$50.52

DUL Series

Cutting Diameter	Length Of Cut	Part Number	List Price
1/4"	1/2"	DULSA1X6	\$27.98
3/8"	3/4"	DULSA3X6	\$31.82
1/2"	1"	DULSA5X6	\$43.50

CYLINDRICAL

CYLINDRICAL (RADIUS END)

1/4"	1/2"	DULSC1X6	\$32.14
3/8"	3/4"	DULSC3X6	\$36.66
1/2"	1"	DULSC5X6	\$52.92

BALL END

1/2"	7/16"	DULSD5X6	\$42.17
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OVAL

1/4"	3/8"	DULSE1X6	\$34.03
3/8"	5/8"	DULSE3X6	\$38.27
1/2"	7/8"	DULSE5X6	\$47.92

ALUMINUM & NON - FERROUS

DUL Series

Cutting Diameter	Length Of Cut	Part Number	List Price
3/8"	3/4"	DULSA3NF	\$24.93
1/2"	1"	DULSA5NF	\$39.21
3/4"	1"	DULSA7NF	\$68.65

CYLINDRICAL

CYLINDRICAL (END CUT)

3/8"	3/4"	DULSB3NF	\$33.26
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CYLINDRICAL (RADIUS END)

3/8"	3/4"	DULSC3NF	\$29.07
1/2"	1"	DULSC5NF	\$40.90
3/4"	1"	DULSC7NF	\$86.66

BALL END

3/8"	3/8"	DULSD3NF	\$26.64
1/2"	1/2"	DULSD5NF	\$35.48
5/8"	5/8"	DULSD6NF	\$45.50

CONE (RADIUS END 14° TAPER)

DUL Series

Cutting Diameter	Length Of Cut	Part Number	List Price
1/4"	5/8"	DULSL1	\$19.45
5/16"	7/8"	DULSL2	\$24.24
3/8"	1-1/16"	DULSL3	\$29.14
1/2"	1-1/8"	DULSL4	\$36.86
5/8"	1-3/16"	DULSL5	\$69.72
5/8"	1-5/16"	DULSL6	\$72.60
3/4"	1-1/2"	DULSL7	\$95.76

INVERTED CONE

DUL Series

Cutting Diameter	Length Of Cut	Part Number	List Price
1/4"	5/16"	DULSN1	\$17.34
3/8"	3/8"	DULSN2	\$31.99
1/2"	1/2"	DULSN4	\$34.30
5/8"	3/4"	DULSN6	\$53.83
3/4"	5/8"	DULSN7	\$72.42

DUL Series

Cutting Diameter	Length Of Cut	Part Number	List Price
1/4"	1/2"	DULSF1X6	\$33.33
3/8"	3/4"	DULSF3X6	\$38.57
1/2"	1"	DULSF5X6	\$50.56

TREE (RADIUS END)

TREE (POINTED END)

1/4"	1/2"	DULSG1X6	\$33.33
3/8"	3/4"	DULSG3X6	\$37.75
1/2"	1"	DULSG5X6	\$47.91

FLAME

1/2"	1-1/4"	DULSH5X6	\$63.14
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CONE (RADIUS END 14°)

3/8"	1-1/16"	DULSL3X6	\$42.84
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DUL Series

Cutting Diameter	Length Of Cut	Part Number	List Price
1/2"	7/8"	DULSE5NF	\$41.08
5/8"	1"	DULSE6NF	\$66.44

OVAL

TREE (RADIUS END)

1/4"	5/8"	DULSF1NF	\$26.43
3/8"	3/4"	DULSF3NF	\$31.53
1/2"	1"	DULSF5NF	\$41.94
5/8"	1"	DULSF6NF	\$59.16

CONE (RADIUS END 14°)

3/8"	1-1/16"	DULSL3NF	\$35.19
1/2"	1-1/8"	DULSL4NF	\$44.89
5/8"	1-5/16"	DULSL6NF	\$89.64
3/4"	1-1/2"	DULSL7NF	\$134.15



6° OVERALL



SOLID CARBIDE BURS

MINIATURE

DUL series

Cutting Diameter	Length Of Cut	Part Number	List Price
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CYLINDRICAL

1/16"	1/4"	DULSA41	\$7.96
3/32"	7/16"	DULSA42	\$7.96
1/8"	9/16"	DULSA43	\$7.96
1/4"	1/2"	DULSA51	\$15.12
5/32"	1/2"	DULSA52	\$15.12
3/16"	1/2"	DULSA53	\$15.12
3/32"	1/4"	DULSA61	\$7.90
3/32"	3/8"	DULSA63	\$7.90
3/16"	5/8"	DULSA81	\$16.58

CYLINDRICAL (END CUT)

1/16"	1/4"	DULSB41	\$7.96
3/32"	7/16"	DULSB42	\$7.96
1/4"	3/16"	DULSB51	\$15.12

CYLINDRICAL (RADIUS END)

3/32"	7/16"	DULSC41	\$7.96
1/8"	9/16"	DULSC42	\$7.96
1/4"	1/2"	DULSC51	\$15.12
5/32"	1/2"	DULSC52	\$15.12
3/16"	1/2"	DULSC53	\$15.12
3/32"	3/8"	DULSC61	\$7.90
3/16"	5/8"	DULSC81	\$16.58

BALL END

3/32"	3/32"	DULSD41	\$7.96
1/8"	1/8"	DULSD42	\$7.96
1/4"	1/4"	DULSD51	\$15.12
3/16"	3/16"	DULSD53	\$15.12
3/32"	3/32"	DULSD61	\$7.90
3/16"	3/16"	DULSD81	\$16.58

OVAL

1/8"	7/32"	DULSE41	\$7.96
1/4"	3/8"	DULSE51	\$15.12
3/16"	9/32"	DULSE53	\$15.12
3/32"	1/8"	DULSE61	\$7.90
3/16"	9/32"	DULSE81	\$16.58

TREE (RADIUS END)

1/8"	1/4"	DULSF41	\$7.96
1/8"	1/2"	DULSF42	\$7.96
1/4"	1/2"	DULSF51	\$15.12
3/16"	1/2"	DULSF53	\$15.12
3/32"	1/4"	DULSF61	\$7.90
3/16"	1/2"	DULSF81	\$16.58

DUL series

Cutting Diameter	Length Of Cut	Part Number	List Price
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TREE (POINTED END)

1/8"	1/4"	DULSG41	\$7.96
1/8"	3/8"	DULSG43	\$7.96
1/8"	1/2"	DULSG44	\$7.96
1/4"	1/2"	DULSG51	\$15.12
3/16"	1/2"	DULSG53	\$15.12
3/32"	1/4"	DULSG61	\$7.90
3/16"	1/2"	DULSG81	\$16.58

FLAME

1/8"	1/4"	DULSH41	\$7.96
3/16"	3/8"	DULSH53	\$15.12

60° (INCLUDED ANGLE)

1/8"	3/32"	DULSJ42	\$7.96
3/16"	3/16"	DULSJ81	\$16.58

90° (INCLUDED ANGLE)

1/8"	1/16"	DULSK42	\$7.96
3/16"	1/2"	DULSK81	\$16.58

CONE (RADIUS END 14° TAPER)

1/8"	3/8"	DULSL41	\$7.96
1/8"	1/2"	DULSL42	\$7.96
3/16"	1/2"	DULSL53	\$15.12
3/16"	7/16"	DULSL81	\$16.58

CONE (POINTED END)

1/8"	11/32"	DULSM41	\$7.96
1/8"	7/16"	DULSM42	\$7.96
1/8"	5/8"	DULSM43	\$7.96
1/4"	1/2"	DULSM51	\$15.12
3/16"	1/2"	DULSM53	\$15.12
3/32"	1/4"	DULSM61	\$7.90
3/16"	1/2"	DULSM81	\$16.58

INVERTED CONE

3/32"	1/8"	DULSN41	\$7.96
1/8"	3/16"	DULSN42	\$7.96
1/4"	1/4"	DULSN51	\$15.12
3/16"	1/4"	DULSN53	\$15.12
3/32"	1/8"	DULSN61	\$7.90
3/16"	1/4"	DULSN81	\$17.29

40 & 50 Series have 1/8" Shank Diameter.
60 Series have 3/32" Shank Diameter.
80 Series have 3/16" Shank Diameter.



SA SB SC SD SE SF SG SH SJ SK SL SM SN

SOLID CARBIDE BUR SETS

DUL series

Part Number	# of Pieces	Includes	List Price
DUL1SET	12 pc	SA1, SA5, SC1, SC5, SD1, SD5, SE5, SF13, SG5, SH1, SL4 & SN2	\$516.30
DUL2SET	28 pc	SA1, SA3, SA5, SC1, SC3, SC5, SD1, SD3, SD5, SE1, SE3, SE5, SF1, SF3, SF5, SG1, SG3, SG5, SH2, SH5, SL1, SL2, SL4, SM3, SM4, SM5, SN1 & SN4	\$990.25
DUL3SET	8 pc	SA5, SC3, SC5, SD5, SF3, SF5, SG3 & SL4	\$280.48
DUL4SET	8 pc	SA1, SC1, SD1, SE1, SF1, SG1, SM2 & SN1	\$200.34
DUL5SET	11 pc	SA42, SA43, SC42, SD42, SE41, SF42, SG41, SG43, SH41, SM43 & SN42	\$128.22



ABRASIVES

ALUMINUM OXIDE CLOTH ROLLS (HANDY ROLLS)

Handy Rolls, made of high grade, resin-bonded, J-wt. Cloth material, are packaged 50 Yards per Roll. The flexibility of these cloth rolls allows for contour work. They come packaged in storage containers for easy dispensing.

1" WIDE

DEW Series

Size	Grit	Part Number	List Price
1"	40	DEW140	\$34.20
1"	50	DEW150	\$32.76
1"	60	DEW160	\$31.34
1"	80	DEW180	\$31.34
1"	100	DEW1100	\$31.34
1"	120	DEW1120	\$31.34
1"	150	DEW1150	\$31.34
1"	180	DEW1180	\$31.34
1"	220	DEW1220	\$31.34
1"	240	DEW1240	\$31.34
1"	320	DEW1320	\$31.34
1"	400	DEW1400	\$31.34

1 - 1/2" WIDE

DEW Series

Size	Grit	Part Number	List Price
1-1/2"	40	DEW11240	\$44.88
1-1/2"	50	DEW11250	\$43.00
1-1/2"	60	DEW11260	\$41.14
1-1/2"	80	DEW11280	\$41.14
1-1/2"	100	DEW112100	\$41.14
1-1/2"	120	DEW112120	\$41.14
1-1/2"	150	DEW112150	\$41.14
1-1/2"	180	DEW112180	\$41.14
1-1/2"	220	DEW112220	\$41.14
1-1/2"	240	DEW112240	\$41.14
1-1/2"	320	DEW112320	\$41.14
1-1/2"	400	DEW112400	\$41.14



2" WIDE

DEW Series

Size	Grit	Part Number	List Price
2"	40	DEW240	\$56.39
2"	50	DEW250	\$56.39
2"	60	DEW260	\$54.47
2"	80	DEW280	\$51.88
2"	100	DEW2100	\$51.88
2"	120	DEW2120	\$51.88

DEW Series

Size	Grit	Part Number	List Price
2"	150	DEW2150	\$51.88
2"	180	DEW2180	\$51.88
2"	220	DEW2220	\$51.88
2"	240	DEW2240	\$51.88
2"	320	DEW2320	\$51.88
2"	400	DEW2400	\$51.88

FILES

DIC Series

FLAT

Length	Bastard	List Price	2nd Cut	List Price	Smooth	List Price
4"	DIC03367	\$6.68	DIC03401	\$7.02	DIC03434	\$8.34
6"	DIC03467	\$7.02	DIC03500	\$7.46	DIC03533	\$8.87
8"	DIC03566	\$8.72	DIC03599	\$9.66	DIC03632	\$10.29
10"	DIC03665	\$10.82	DIC03698	\$12.43	DIC03731	\$13.75
12"	DIC03764	\$14.82	DIC03797	\$16.82	DIC03830	\$18.62
14"	DIC03863	\$20.48	DIC03896	\$23.55	DIC03929	\$25.79
16"	DIC03980	\$27.01	DIC03981	\$32.37	DIC03982	\$46.13

Flat Files are used by machinists, machinery builders, ship and engine builders, repairmen and others who require rapid removal of metal. They are rectangular in cross section and taper slightly towards the point in both width and thickness. Double cut on both sides, single cut on both edges.



DIC Series

HALF ROUND

Length	Bastard	List Price	2nd Cut	List Price	Smooth	List Price
4"	DIC04695	\$10.19	DIC04729	\$11.31	DIC04762	\$11.89
6"	DIC04795	\$10.58	DIC04828	\$12.04	DIC04861	\$12.49
8"	DIC04896	\$12.77	DIC04927	\$14.19	DIC04960	\$15.21
10"	DIC04995	\$15.90	DIC05026	\$17.31	DIC05059	\$18.19
12"	DIC05094	\$20.48	DIC05125	\$22.28	DIC05158	\$23.46
14"	DIC05194	\$26.63	DIC05225	\$28.77	DIC05258	\$31.06

Rounded on one side, flat on the other. Used on concave and convex as well as flat surfaces. The backs of all Half Round Bastard Files are double cut. The Backs of all Half Round Second Cut Files longer than 6" are double cut, the 4" and 6" files are single cut. The backs of all Half Round Smooth files are single cut. The flat sides of all Half Files are double cut.



DIC Series

MILL

Length	Bastard	List Price	2nd Cut	List Price	Smooth	List Price
6"	DIC08354	\$4.78	DIC08385	\$6.92	DIC08416	\$7.37
8"	DIC08497	\$5.70	DIC08529	\$7.80	DIC08560	\$8.63
10"	DIC08642	\$7.37	DIC08673	\$9.94	DIC08704	\$10.58
12"	DIC08737	\$12.04	DIC08768	\$13.11	DIC08799	\$14.44
14"	DIC08832	\$16.24	-	-	DIC08894	\$19.94

For sharpening Mill or Circular Saws. Also for drawfiling, and metals. All sizes tapered slightly in width, 12" and 14" slightly in thickness for about one-third of length. Two square edges. Single cut on sides and edges.



DIC Series

ROUND

Length	Bastard	List Price	2nd Cut	List Price	Smooth	List Price
4"	DIC11526	\$5.61	DIC11559	\$6.15	DIC11592	\$6.73
6"	DIC11716	\$5.61	DIC11748	\$6.43	DIC11781	\$7.02
8"	DIC11904	\$6.43	DIC11936	\$7.46	DIC11969	\$8.34
10"	DIC12019	\$8.34	DIC12051	\$9.81	DIC12084	\$10.82
12"	DIC12134	\$11.55	DIC12166	\$13.17	DIC12199	\$14.33
14"	DIC12248	\$16.48	DIC12282	\$19.75	DIC12250	\$21.51

Principal use is to file circular opening or concave surfaces. Tapered slightly towards point. All 4", 6", 8" and 10" files are single cut. 12" bastard and second cut are double cut, 12" smooth is single cut and 14" bastard is double cut.



DIC Series

SQUARE

Length	Bastard	List Price	2nd Cut	List Price	Smooth	List Price
4"	DIC12790	\$7.46	DIC12824	\$8.34	DIC12857	\$8.72
6"	DIC12967	\$7.80	DIC13000	\$8.72	DIC13033	\$9.21
8"	DIC13081	\$9.21	DIC13114	\$10.48	DIC13147	\$11.61
10"	DIC13196	\$12.24	DIC13229	\$14.09	DIC13262	\$15.17
12"	DIC13310	\$17.36	DIC13343	\$19.50	DIC13376	\$21.36
14"	DIC13425	\$22.86	DIC13426	\$29.26	DIC13427	\$32.03
16"	-	-	-	-	DIC13428	\$35.18

For filing slots, keyways and general surfaces filing. Larger sizes frequently preferred to corresponding Flat Files because of heavier section and for filing surfaces. Tapered slightly towards point. Double cut.



DIC Series

THREE SQUARE

Length	Bastard	List Price	2nd Cut	List Price	Smooth	List Price
6"	DIC15925	\$9.32	DIC15958	\$10.48	DIC15991	\$10.58
8"	DIC16036	\$11.12	DIC16069	\$12.62	DIC16102	\$13.31
10"	DIC16147	\$13.90	DIC16180	\$15.12	DIC16213	\$16.00
12"	DIC16214	\$20.82	DIC16215	\$22.62	DIC16216	\$23.99

Three square Files are triangular in cross section, and are double cut and have fairly sharp corners that are slightly set and cut. These files are for general use by machinists for filing internal angles more than the right angle, for clearing out square corners and filing taps and cutters. Grading of cuts according to coarseness is same as Square File.



INDEXES & DISPENSERS

DRILL INDEXES

HUT Series

Capacity	Description	Part Number	List Price
13 pc	1/16" to 1/4" x 64ths	HUT313	\$10.12
21 pc	1/16" to 3/8" x 64ths	HUT21	\$15.24
15 pc	1/16" to 1/2" x 32nds	HUT15	\$15.21
29 pc	1/16" to 1/2" x 64ths	HUT29	\$16.96
26 pc	Letter Sizes A to Z	HUT26	\$16.96
60 pc	Wire Gauge Sizes #1 to #60	HUT60	\$14.76
20 pc	Wire Gauge Sizes #61 to #80	HUT20	\$11.67
80 pc	Wire Gauge Sizes #1 to #80	HUT80	\$66.14
8 pc	9/16" to 1" x 16ths S&D	HUT88SD	\$59.48



METRIC DRILL INDEXES

HUT Series

Capacity	Description	Part Number	List Price
11 pc	1mm to 6mm x 0.5mm	HUT4011	\$12.08
13 pc	1mm to 7mm x 0.5mm	HUT4013	\$12.08
19 pc	1mm to 10mm x 0.5mm	HUT4019	\$19.05
25 pc	1mm to 13mm x 0.5mm	HUT4025	\$19.08
50 pc	1mm to 5.9mm x 0.1mm	HUT4050	\$28.13
41 pc	6mm to 10mm x 0.1mm	HUT4041	\$83.29

DRILL STANDS

HUT Series

Capacity	Description	Part Number	List Price
29 pc	1/16" to 1/2" x 64ths	HUT829	\$19.80
26 pc	Letter Sizes A to Z	HUT826	\$18.32
60 pc	Wire Gauge Sizes No. #1 to #60	HUT860	\$19.80
33 pc	S&D 1/2" to 1" x 64ths	HUT833SD	\$79.60



DRILL DISPENSERS & DISPLAYS

HUT Series

Description	Part Number	List Price
1/16" to 1/2" x 64ths Drill Dispenser	HUT1	\$254.39
#1 to #60 Drill Dispenser	HUT2	\$321.61
A to Z Drill Dispenser	HUT3	\$253.50
Metric 1mm to 13mm by 0.5mm Drill Dispenser	HUT4	\$289.47
Metric 1mm to 6.9mm by 0.1mm Drill Dispenser	HUT5	\$394.70
1/16" to 1/2" x 64ths Counter Display (Red)	HUT6	\$581.83
1/16" to 1/2" x 64ths Counter Display (Blue)	HUT6BLUE	\$581.83
Wire Gauge Sizes #1 to #60 Counter Display	HUT7	\$834.41
Letter Sizes A to Z Counter Display	HUT8	\$657.85



INDEXES & DISPENSERS

COMBINATION INDEX

HUT Series

Capacity	Description	Part Number	List Price
115 pc	1/16" to 1/2" , A to Z #1 to #60	HUT115	\$81.09



TAPER SHANK & TAPER LENGTH INDEXES

HUT Series

Capacity	Description	Part Number	List Price
29 pc	1/16" to 1/2" x 64ths Taper Length	HUT329	\$52.28
16 pc	33/64" to 3/4" x 64ths Taper Shank or Taper Length	HUT1016	\$206.18
16 pc	49/64" to 1" x 64ths Taper Shank or Taper Length	HUT2016	\$229.23



TAP DISPENSERS

HUT Series

Description	Part Number	List Price
Taps 1/4"-20 to 1"-14	HUT13500	\$277.78
Taps 2-56 to 12-28	HUT13550	\$345.02
Metric taps 3mm to 24mm	HUT13575	\$307.00



BUR DISPENSER

HUT Series

Description	Part Number	List Price
Carbide Bur Dispenser	HUT13200	\$304.08



DRILL GAUGES

HUT Series

Description	Part Number	List Price
1/16" to 1/2" x 64ths	HUT9092	\$9.21
Wire Gauge Sizes #1 to 60	HUT12260	\$18.32

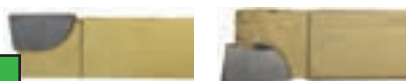


CARBIDE TIPPED TOOL BITS

GRADE C2 - General purpose for cast-iron and non-ferrous materials

GRADE C6 - General purpose for steel

STYLE A & B, LEFT & RIGHT HAND



15° Lead Angle

DEWA Series		LEFT HAND	RIGHT HAND	
Size	O.A.L.	Part Number	Part Number	List Price
1/4"	2"	DEWAL-4C2	DEWAR-4C2	\$7.82
1/4"	2"	DEWAL-4C6	DEWAR-4C6	\$7.82
5/16"	2-1/4"	DEWAL-5C2	DEWAR-5C2	\$7.82
5/16"	2-1/4"	DEWAL-5C6	DEWAR-5C6	\$7.82
3/8"	2-1/2"	DEWAL-6C2	DEWAR-6C2	\$7.82
3/8"	2-1/2"	DEWAL-6C6	DEWAR-6C6	\$7.82
7/16"	3"	DEWAL-7C2	DEWAR-7C2	\$7.93
7/16"	3"	DEWAL-7C6	DEWAR-7C6	\$7.93
1/2"	3-1/2"	DEWAL-8C2	DEWAR-8C2	\$8.62
1/2"	3-1/2"	DEWAL-8C6	DEWAR-8C6	\$8.62
5/8"	4"	DEWAL-10C2	DEWAR-10C2	\$10.87
5/8"	4"	DEWAL-10C6	DEWAR-10C6	\$10.87
3/4"	4-1/2"	DEWAL-12C2	DEWAR-12C2	\$18.15
3/4"	4-1/2"	DEWAL-12C6	DEWAR-12C6	\$18.15
1"	7"	DEWAL-16C2	DEWAR-16C2	\$31.26
1"	7"	DEWAL-16C6	DEWAR-16C6	\$31.26

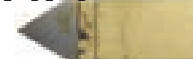
DEWB Series		LEFT HAND	RIGHT HAND	
Size	O.A.L.	Part Number	Part Number	List Price
1/4"	2"	DEWBL-4C2	DEWBR-4C2	\$8.28
1/4"	2"	DEWBL-4C6	DEWBR-4C6	\$8.28
5/16"	2-1/4"	DEWBL-5C2	DEWBR-5C2	\$8.28
5/16"	2-1/4"	DEWBL-5C6	DEWBR-5C6	\$8.28
3/8"	2-1/2"	DEWBL-6C2	DEWBR-6C2	\$8.28
3/8"	2-1/2"	DEWBL-6C6	DEWBR-6C6	\$8.28
7/16"	3"	DEWBL-7C2	DEWBR-7C2	\$8.97
7/16"	3"	DEWBL-7C6	DEWBR-7C6	\$8.97
1/2"	3-1/2"	DEWBL-8C2	DEWBR-8C2	\$9.33
1/2"	3-1/2"	DEWBL-8C6	DEWBR-8C6	\$9.33
5/8"	4"	DEWBL-10C2	DEWBR-10C2	\$12.94
5/8"	4"	DEWBL-10C6	DEWBR-10C6	\$12.94
3/4"	4-1/2"	DEWBL-12C2	DEWBR-12C2	\$18.15
3/4"	4-1/2"	DEWBL-12C6	DEWBR-12C6	\$18.15
1"	7"	DEWBL-16C6	--	\$31.26

STYLE C, D, & E

SQUARE NOSE

80° POINT

60° POINT



DEWC Series			
Size	O.A.L.	Part Number	List Price
1/4"	2"	DEWC-4C2	\$8.28
1/4"	2"	DEWC-4C6	\$8.28
5/16"	2-1/4"	DEWC-5C2	\$8.28
5/16"	2-1/4"	DEWC-5C6	\$8.28
3/8"	2-1/2"	DEWC-6C2	\$8.28
3/8"	2-1/2"	DEWC-6C6	\$8.28
7/16"	3"	DEWC-7C2	\$8.97
7/16"	3"	DEWC-7C6	\$8.97
1/2"	3-1/2"	DEWC-8C2	\$9.33
1/2"	3-1/2"	DEWC-8C6	\$9.33
5/8"	4"	DEWC-10C2	\$12.94
5/8"	4"	DEWC-10C6	\$12.94
3/4"	4-1/2"	DEWC-12C2	\$21.03
3/4"	4-1/2"	DEWC-12C6	\$21.03
1"	7"	DEWC-16C2	\$32.75
1"	7"	DEWC-16C6	\$32.75

DEWD Series			
Size	O.A.L.	Part Number	List Price
1/4"	2"	DEWD-4C2	\$8.28
1/4"	2"	DEWD-4C6	\$8.28
5/16"	2-1/4"	DEWD-5C2	\$8.28
5/16"	2-1/4"	DEWD-5C6	\$8.28
3/8"	2-1/2"	DEWD-6C2	\$8.28
3/8"	2-1/2"	DEWD-6C6	\$8.28
7/16"	3"	DEWD-7C2	\$8.97
7/16"	3"	DEWD-7C6	\$8.97
1/2"	3-1/2"	DEWD-8C2	\$9.33
1/2"	3-1/2"	DEWD-8C6	\$9.33
5/8"	4"	DEWD-10C2	\$12.94
5/8"	4"	DEWD-10C6	\$12.94
3/4"	4-1/2"	DEWD-12C2	\$19.05
3/4"	4-1/2"	DEWD-12C6	\$19.05
1"	7"	DEWD-16C2	\$32.55
1"	7"	DEWD-16C6	\$32.55

DEWE Series			
Size	O.A.L.	Part Number	List Price
1/4"	2"	DEWE-4C2	\$8.28
1/4"	2"	DEWE-4C6	\$8.28
5/16"	2-1/4"	DEWE-5C2	\$8.28
5/16"	2-1/4"	DEWE-5C6	\$8.17
3/8"	2-1/2"	DEWE-6C2	\$8.28
3/8"	2-1/2"	DEWE-6C6	\$8.28
7/16"	3"	DEWE-7C2	\$8.97
7/16"	3"	DEWE-7C6	\$8.97
1/2"	3-1/2"	DEWE-8C2	\$9.33
1/2"	3-1/2"	DEWE-8C6	\$9.33
5/8"	4"	DEWE-10C2	\$12.94
5/8"	4"	DEWE-10C6	\$12.94
3/4"	4-1/2"	DEWE-12C2	\$18.03
3/4"	4-1/2"	DEWE-12C6	\$18.03

HSS CUTOFF BLADES

HSS & COBALT SQUARE TOOL BITS

DEWTB Series				
Size	Part Number	List Price	Part Number	List Price
1/8"x2-1/2"	DEWTBHS1/8	\$3.10	DEWTBCOB1/8	\$5.76
3/16"x2-1/2"	DEWTBHS3/16	\$3.10	DEWTBCOB3/16	\$5.76
1/4"x2-1/2"	DEWTBHS1/4	\$3.63	DEWTBCOB1/4	\$6.52
5/16"x2-1/2"	DEWTBHS5/16	\$5.08	DEWTBCOB5/16	\$8.14
3/8"x3"	DEWTBHS3/8	\$6.81	DEWTBCOB3/8	\$10.97
7/16"x3-1/2"	DEWTBHS7/16	\$10.01	DEWTBCOB7/16	\$17.11
1/2"x4"	DEWTBHS1/2	\$14.36	DEWTBCOB1/2	\$24.40
5/8"x4-1/2"	DEWTBHS5/8	\$21.26	DEWTBCOB5/8	\$37.82
3/4"x5"	DEWTBHS3/4	\$33.59	DEWTBCOB3/4	\$59.11
7/8"x6"	DEWTBHS7/8	\$55.18	DEWTBCOB7/8	\$95.11
1"x7"	DEWTBHS1INCH	\$79.62	DEWTBCOB1INCH	\$133.25
1-1/4"x7"	DEWTBHS1-1/4	\$149.94	DEWTBCOB1-1/4	\$265.53

DEWCOB Series

W	H	O.A.L.	Part Number	List Price
3/32"	1/2"	6"	DEWCOB3/32X1/2	\$23.11
3/32"	5/8"	6"	DEWCOB3/32X5/8	\$24.57
1/8"	3/4"	6"	DEWCOB1/8X3/4	\$29.41
1/8"	7/8"	6"	DEWCOB1/8X7/8	\$35.34
3/16"	1"	6-1/2"	DEWCOB3/16X1	\$42.08

COBALT CUTOFF BLADES

W	H	O.A.L.	Part Number	List Price
3/32"	1/2"	6"	DEWCOBCO3/32X1/2	\$26.76
3/32"	5/8"	6"	DEWCOBCO3/32X5/8	\$34.32
1/8"	3/4"	6"	DEWCOBCO1/8X3/4	\$42.25
1/8"	7/8"	6"	DEWCOBCO1/8X7/8	\$51.81
3/16"	1"	6-1/2"	DEWCOBCO3/16X1	\$65.27

WOOD WORKING

SELF FEED BITS

DMS70 Series

Size	Part Number	List Price
1"	DMS70-3002	\$35.32
1-1/8"	DMS70-3003	\$35.32
1-1/4"	DMS70-3005	\$37.84
1-3/8"	DMS70-3010	\$44.34
1-1/2"	DMS70-3020	\$44.34
1-3/4"	DMS70-3030	\$44.34
2"	DMS70-3033	\$44.34
2-1/8"	DMS70-3035	\$54.43
2-1/4"	DMS70-3040	\$54.43
2-9/16"	DMS70-3060	\$64.51
3"	DMS70-3065	\$88.71
3-5/8"	DMS70-3070	\$114.91
4-5/8"	DMS70-3080	\$193.54



SPADE BITS

DMS71 Series

Size	Part Number	List Price
3/8"x6"	DMS71-0003	\$3.18
1/2"x6"	DMS71-0004	\$3.35
5/8"x6"	DMS71-0006	\$3.91
3/4"x6"	DMS71-0008	\$4.26
7/8"x6"	DMS71-0009	\$4.84
1"x6"	DMS71-0011	\$5.46
1-1/8"x6"	DMS71-0013	\$5.59
1-1/4"x6"	DMS71-0015	\$6.29
1-3/8"x6"	DMS71-0016	\$7.08
1-1/2"x6"	DMS71-0018	\$7.71
3/8"x16"	DMS71-1603	\$12.42
1/2"x16"	DMS71-1604	\$12.42
3/4"x16"	DMS71-1608	\$12.75
1"x16"	DMS71-1611	\$13.69
1-1/2"x16"	DMS71-1618	\$20.44
6 PC. SET (3/8"-1"x6")	DMS71-1040	\$19.13



AUGER BITS

DMS73 Series

Size	Part Number	List Price
3/8"x7"	DMS73-0002	\$17.07
1/2"x7"	DMS73-0004	\$18.93
5/8"x7"	DMS73-0007	\$21.66
3/4"x7"	DMS73-0009	\$23.51
7/8"x7"	DMS73-0010	\$28.22
1"x7"	DMS73-0011	\$30.53
1-1/8"x7"	DMS73-0012	\$31.38
1-1/4"x7"	DMS73-0014	\$36.29
1-3/8"x7"	DMS73-0016	\$44.67
1-1/2"x7"	DMS73-0018	\$55.17



LONG AUGER BITS

DMS73 Series

Size	Part Number	List Price
9/16"x23"	DMS73-4009	\$116.29
5/8"x23"	DMS73-4010	\$117.48
11/16"x23"	DMS73-4011	\$130.59
3/4"x23"	DMS73-4012	\$133.08
13/16"x23"	DMS73-4013	\$136.48
7/8"x23"	DMS73-4014	\$147.33
15/16"x23"	DMS73-4015	\$158.01
1"x23"	DMS73-4016	\$161.34
9/16"x30"	DMS73-5009	\$308.96
5/8"x30"	DMS73-5010	\$270.46
11/16"x30"	DMS73-5011	\$273.56
3/4"x30"	DMS73-5012	\$276.11
13/16"x30"	DMS73-5013	\$281.54
7/8"x30"	DMS73-5014	\$295.78
15/16"x30"	DMS73-5015	\$297.53
1"x30"	DMS73-5016	\$310.25
1-1/16"x30"	DMS73-5017	\$345.87
1-1/8"x30"	DMS73-5018	\$400.31
1-1/2"x30"	DMS73-5024	\$835.11

SHIP AUGER BITS

DMS73 Series

Size	Part Number	List Price
3/8"x18"	DMS73-1010	\$21.94
7/16"x18"	DMS73-1015	\$26.12
1/2"x18"	DMS73-1020	\$26.12
9/16"x18"	DMS73-1025	\$29.68
5/8"x18"	DMS73-1030	\$29.39
3/4"x18"	DMS73-1040	\$30.80
7/8"x18"	DMS73-1050	\$37.55
1"x18"	DMS73-1060	\$45.11
1-1/8"x18"	DMS73-1070	\$52.85
1-1/4"x18"	DMS73-1080	\$61.33
1-3/8"x18"	DMS73-1090	\$83.21
1-1/2"x18"	DMS73-1100	\$92.83



NAIL BUSTER AUGER BITS

DMS73 Series

Size	Part Number	List Price
1/2"x8"	DMS73-2510	\$29.45
5/8"x8"	DMS73-2530	\$31.58
3/4"x8"	DMS73-2550	\$33.35
7/8"x8"	DMS73-2570	\$40.31
1"x8"	DMS73-2590	\$51.22
1-1/8"x8"	DMS73-2600	\$55.73
3/8"x18"	DMS73-2030	\$43.14
1/2"x18"	DMS73-2050	\$45.39
5/8"x18"	DMS73-2070	\$50.43
3/4"x18"	DMS73-2090	\$59.93
7/8"x18"	DMS73-2100	\$66.48
1"x18"	DMS73-2120	\$83.50
1-1/8"x18"	DMS73-2130	\$91.01
1-1/4"x18"	DMS73-2140	\$91.87
1-3/8"x18"	DMS73-2150	\$122.85
1-1/2"x18"	DMS73-2160	\$133.54



WOOD WORKING

RECIPROCATING SAW BLADES

DMS03 Series

Description	Part Number	List Price
4"x.035 14TPI	DMS03-7414	\$2.06
4"x.035 18TPI	DMS03-7418	\$2.06
4"x.035 24TPI	DMS03-7424	\$2.06
6"x.035 6TPI	DMS03-7606	\$2.75
6"x.035 10TPI	DMS03-7610	\$2.75
6"x.035 14TPI	DMS03-7614	\$2.75
6"x.035 18TPI	DMS03-7618	\$2.75
6"x.035 24TPI	DMS03-7624	\$2.75
6"x7/8x.062 6TPI	DMS03-7666	\$5.89
8"x.050 10TPI	DMS03-7810	\$4.51
8"x.050 14TPI	DMS03-7814	\$4.51
8"x.050 18TPI	DMS03-7818	\$4.51
9"x.050 6TPI	DMS03-7906	\$4.87
12"x.050 10/14TPI	DMS03-7203	\$6.79
12"x.050 6TPI	DMS03-7206	\$6.79
12"x.050 14TPI	DMS03-7214	\$6.79
12"x.050 18TPI	DMS03-7218	\$6.79



BIMETAL HACKSAW BLADES

DMS02 Series

Description	Part Number	List Price
12" 14TPI	DMS02-0314	\$2.41
12" 18TPI	DMS02-0318	\$2.41
12" 24TPI	DMS02-0324	\$2.41
12" 32TPI	DMS02-0332	\$2.41



JIGSAW BLADES - BOSCH STYLE

14TPI (METAL >1/8")	DMS03-8214	\$3.28
18TPI (METAL >18GA)	DMS03-8218	\$3.28
24TPI (THIN METAL)	DMS03-8224	\$3.28
10TPI (WOOD, PLY, COMP)	DMS03-8510	\$3.28



JIGSAW BLADES - UNIVERSAL STYLE

14TPI	DMS03-9214	\$3.28
18TPI	DMS03-9218	\$3.28
24TPI	DMS03-9224	\$3.28



BRAD POINT

DMS68 Series

Size	Part Number	List Price
1/8"	DMS68-0010	\$1.95
5/32"	DMS68-0020	\$2.30
3/16"	DMS68-0030	\$2.42
1/4"	DMS68-0040	\$2.54
5/16"	DMS68-0050	\$2.88
3/8"	DMS68-0060	\$3.23
7/16"	DMS68-0070	\$3.80
1/2"	DMS68-0080	\$4.84
*5/8"	DMS68-0090	\$6.10
*3/4"	DMS68-0100	\$7.95

*1/2 Reduced Shank



FORSTNER DRILL BITS

DMS70 Series

Size	Part Number	List Price
1/4"	DMS70-0010	\$7.08
3/8"	DMS70-0020	\$8.93
1/2"	DMS70-0030	\$9.56
5/8"	DMS70-0040	\$11.23
3/4"	DMS70-0050	\$12.39
7/8"	DMS70-0060	\$13.19
1"	DMS70-0070	\$14.69
1-1/8"	DMS70-0080	\$15.90
1-1/4"	DMS70-0090	\$17.40
1-3/8"	DMS70-0100	\$22.46
1-1/2"	DMS70-0110	\$23.62
1-5/8"	DMS70-0120	\$27.08
1-3/4"	DMS70-0130	\$32.89
1-7/8"	DMS70-0140	\$33.30
2"	DMS70-0150	\$36.41
2-1/8"	DMS70-0160	\$41.82



FORSTNER DRILL BIT SETS

7PC 1/4"-1" DMS70-2007 \$55.07

16PC 1/4"-2-1/8" DMS70-2016 \$228.10



INSERT BITS

INS Series

Economy insert and power bits.

PHILLIPS

INS Series

Size	O.A.L.	Part Number	Ref #	List Price
INSERT BITS W/ 1/4" SHANK				
P1	1"	INS27020	440-1X	\$0.50
P2	1"	INS27021	440-2X	\$0.50
P3	1"	INS27022	440-3X	\$0.50
P4	1"	INS440-4	440-4X	\$1.08

REDUCED INSERT BITS

W/ 1/4" HEX SHANK

P1	1"	INS27035	446-1X	\$0.50
P2	1"	INS27036	446-2X	\$0.50

INSERT BITS W/ 5/16" SHANK

P1	1-1/4"	INS27205	480-1X	\$1.58
P2	1-1/4"	INS27206	480-2X	\$1.58
P3	1-1/4"	INS27207	480-3X	\$1.58
P4	1-1/4"	INS27208	480-4X	\$1.58

POWER BITS W/ 1/4" HEX SHANK

P1	1-15/16"	INS27360	491X	\$1.16
P2	1-15/16"	INS27361	492X	\$1.33
P3	1-15/16"	INS27362	493X	\$1.33
P1	2-3/4"	INS27363	491-AX	\$1.48
P2	2-3/4"	INS27364	492-AX	\$1.48
P3	2-3/4"	INS27365	493-AX	\$1.48
P1	3-1/2"	INS27366	491-BX	\$2.53
P2	3-1/2"	INS27367	492-BX	\$2.37
P3	3-1/2"	INS27368	493-BX	\$2.95
P1	6"	INS45794	491-CX	\$4.47
P2	6"	INS45625	492-CX	\$4.47
P3	6"	INS45626	493-CX	\$4.47

TORX

INS Series

Size	O.A.L.	Part Number	Ref #	List Price
TORX INSERT BITS W/ 1/4" HEX SHANK				
T8	1"	INS37153	440-TX-08X	\$0.76
T10	1"	INS37157	440-TX-10X	\$0.76
T15	1"	INS37159	440-TX-15X	\$0.76
T20	1"	INS37161	440-TX-20X	\$0.76
T25	1"	INS37163	440-TX-25X	\$0.76
T27	1"	INS37165	440-TX-27X	\$0.76
T30	1"	INS37167	440-TX-30X	\$0.76
T40	1"	INS37169	440-TX-40X	\$0.76

TORX INSERT BITS W/ 5/16" HEX SHANK

T30	1-1/4"	INS37171	480-TX-30X	\$2.54
T40	1-1/4"	INS37173	480-TX-40X	\$2.54
T45	1-1/4"	INS37175	480-TX-45X	\$2.54
T50	1-1/4"	INS37177	480-TX-50X	\$2.54
T55	1-1/4"	INS38333	480-TX-55X	\$3.34

SLOTTED

INS Series

Size	O.A.L.	Part Number	Ref #	List Price
------	--------	-------------	-------	------------

SLOTTED INSERT BITS

W/ 1/4" HEX SHANK

#4-5	1"	INS39534	445-1X	\$0.66
#6-8	1"	INS39536	445-2X	\$0.66
#8-10	1"	INS39537	445-3X	\$0.66
#10-12	1"	INS39538	445-4X	\$1.25

SLOTTED POWER BITS

W/ 1/4" HEX SHANK

#4-5	1-15/16"	INS27463	320-1X	\$1.16
#6-8	1-15/16"	INS27465	320-3X	\$1.16
#8-12	1-15/16"	INS27466	320-4X	\$1.16

SQUARE

INS Series

Size	O.A.L.	Part Number	Ref #	List Price
------	--------	-------------	-------	------------

SQUARE DRIVE INSERT BITS

W/ 1/4" HEX SHANK

R1	1"	INS29049	950-1X	\$0.66
R2	1"	INS29050	950-2X	\$0.66
R3	1"	INS29051	950-3X	\$0.66

SQUARE DRIVE POWER BITS

W/ 1/4" HEX SHANK

R1	1-15/16"	INS29052	954-1X	\$1.03
R2	1-15/16"	INS29053	954-2X	\$1.03
R3	1-15/16"	INS29054	954-3X	\$1.03

TORX

INS Series

Size	O.A.L.	Part Number	Ref #	List Price
------	--------	-------------	-------	------------

TORX POWER BITS

W/ 1/4" HEX SHANK

T10	1-15/16"	INS37715	49-TX-10	\$1.17
T15	1-15/16"	INS37717	49-TX-15	\$1.17
T20	1-15/16"	INS37719	49-TX-20	\$1.17
T25	1-15/16"	INS37721	49-TX-25	\$1.17
T27	1-15/16"	INS37723	49-TX-27	\$1.17
T30	1-15/16"	INS37725	49-TX-30	\$1.17

TAMPER RESISTANT TORX INSERT BITS

T-10	1"	INS05-TT10	440-TX-10-H	\$1.06
T-15	1"	INS05-TT15	440-TX-15-H	\$1.06
T-20	1"	INS05-TT20	440-TX-20-H	\$1.06
T-25	1"	INS05-TT25	440-TX-25-H	\$1.06
T-27	1"	INS05-TT27	440-TX-27-H	\$1.06
T-30	1"	INS05-TT30	440-TX-30-H	\$1.06

* APEX brand also available *

TORQ-SET

INSERT BITS

TORQ-SET

INS Series

Size	O.A.L.	Shank	Part Number	Ref#	List Price
TORQ-SET INSERT BITS					
#0	1"	1/4"	INS212-0	212-0	\$5.30
#1	1"	1/4"	INS212-1	212-1	\$5.30
#2	1"	1/4"	INS212-2	212-2	\$5.30
#3	1"	1/4"	INS212-3	212-3	\$5.30
#4	1"	1/4"	INS212-4	212-4	\$5.30
#5	1"	1/4"	INS212-5	212-5	\$5.30
#6	1"	1/4"	INS212-6	212-6	\$5.30
#8	1"	1/4"	INS212-8	212-8	\$5.30
#8	1-1/4"	5/16"	INS212-8A	212-8A	\$12.33
#10	1"	1/4"	INS212-10	212-10	\$5.30
#10	1-1/4"	5/16"	INS212-10A	212-10A	\$12.33
1/4"	1"	1/4"	INS212-1/4	212-1/4	\$5.30

TRI WING

INS Series

Size	O.A.L.	Part Number	Ref#	List Price
INSERT BIT W/ 1/4" HEX SHANK				
#0	1"	INSTWD-0	TWD-0	\$4.30
#1	1"	INSTWD-1	TWD-1	\$4.30
#2	1"	INSTWD-2	TWD-2	\$4.30
#3	1"	INSTWD-3	TWD-3	\$4.30
#4	1"	INSTWD-4	TWD-4	\$4.30
#5	1"	INSTWD-5	TWD-5	\$4.30
#6	1"	INSTWD-6	TWD-6	\$5.80
#7	1"	INSTWD-7	TWD-7	\$5.80
#8	1"	INSTWD-8	TWD-8	\$5.80

POWER BIT W/ 1/4" HEX SHANK

#2	1-1/4"	INSTW-2	TW-2	\$4.14
#3	1-1/4"	INSTW-3	TW-3	\$4.14
#4	1-1/4"	INSTW-4	TW-4	\$4.14
#5	1-1/4"	INSTW-5	TW-5	\$4.14
#6	1-1/4"	INSTW-6	TW-6	\$4.47

MAGNETIC NUT SETTERS

INS Series

Size	O.A.L.	Part Number	Ref#	List Price
1/4"	1-3/4"	INSNS14-134	MDA-08	\$4.47
1/4"	2-9/16"	INSNS14-2916	MDB-08	\$4.78
1/4"	6"	INSNS14-6	--	\$11.66
5/16"	1-3/4"	INSNS56-134	MDA-10	\$4.47
5/16"	2-9/16"	INSNS56-2916	MDB-10	\$4.78
5/16"	6"	INSNS56-6	--	\$11.66
3/8"	1-3/4"	INSNS38-134	MDA-12	\$4.47
3/8"	2-9/16"	INSNS38-2916	MDB-12	\$4.78
3/8"	6"	INSNS38-6	--	\$11.66
7/16"	1-3/4"	INSNS76-134	MDA-14	\$6.53
7/16"	2-9/16"	INSNS76-2916	MDB-14	\$7.09

MAGNETIC BIT HOLDERS

Description	O.A.L.	Part Number	List Price
STAINLESS STEEL	2-3/8"	INSBH-238	\$6.72
STAINLESS STEEL W/ CAP	3"	INSBH-300C	\$8.26
STAINLESS STEEL W/ RING	3"	INSBH-300S	\$9.33
STAINLESS QUICK CHANGE BIT HOLDER-PUSH TYPE	3"	INSBH-300QC	\$12.72
STAINLESS STEEL W/ RING	6"	INSBH-600S	\$13.99

INS Series

Size	O.A.L.	Shank	Part Number	Ref#	List Price
POWER TORQ-SET BITS					
#0	1-1/4"	1/4"	INS170-0	--	\$4.30
#1	1-1/4"	1/4"	INS170-1	170-1	\$4.30
#2	1-1/4"	1/4"	INS170-2	170-2	\$4.30
#3	1-1/4"	1/4"	INS170-3	170-3	\$4.30
#4	1-1/4"	1/4"	INS170-4	170-4	\$4.30
#5	1-1/4"	1/4"	INS170-5	170-5	\$4.30
#6	1-1/4"	1/4"	INS170-6	170-6	\$4.30
#8	1-1/4"	1/4"	INS170-8	170-8	\$4.30
#10	1-1/4"	1/4"	INS170-10	170-10	\$4.30
1/4"	1-1/4"	1/4"	INS170-1/4B	170-1/4B	\$6.95
5/16"	1-1/4"	5/16"	INS170-5/16A	170-5/16A	\$8.34
5/16"	1-1/4"	1/4"	INS170-5/16B	170-5/16B	\$6.95
3/8"	1-1/4"	1/4"	INS170-3/8B	170-3/8B	\$6.95

MISCELLANEOUS

INS Series

Size	O.A.L.	Part Number	Ref#	List Price
HI TORQUE BITS				
#1	1"	INSHTS-1	HTS-1	\$21.79
#2	1"	INSHTS-2	HTS-2	\$21.79
#3	1"	INSHTS-3	HTS-3	\$21.79
#4	1"	INSHTS-4	HTS-4	\$21.79
#5	1"	INSHTS-5	--	\$39.75
#6	1"	INSHTS-6	--	\$39.75

SPANNER INSERT BITS W/ 1/4" HEX SHANK

#6	1"	INS05-SP6	--	\$1.48
#8	1"	INS05-SP8	--	\$1.48
#10	1"	INS05-SP10	--	\$1.48

BNAE INSERT BITS W/ 1/4" HEX SHANK

4MM	1-1/8"	INSBNAE-4	BNAE-4MM	\$8.84
5MM	1-1/8"	INSBNAE-5	BNAE-5MM	\$8.84
6MM	1-1/8"	INSBNAE-6	BNAE-6MM	\$8.84
8MM	1-1/8"	INSBNAE-8	BNAE-8MM	\$8.84

SOCKET ADAPTER 1/4" HEX SHANK 3/8" DRIVE

3/8"	3"	INS38SA-3	--	\$5.83
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Drill America - HQ
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Decimal Equivalents and Tap Sizes of Fraction, Number, Letter and Metric Sizes

Recommended tap drill sizes for approximately 75% depth of thread

SIZES	DECIMAL INCHES	TAP SIZES <i>to be used with drill as indicated</i>	SIZES	DECIMAL INCHES	TAP SIZES <i>to be used with drill as indicated</i>	SIZES	DECIMAL INCHES	TAP SIZES <i>to be used with drill as indicated</i>	SIZES	DECIMAL INCHES	TAP SIZES <i>to be used with drill as indicated</i>	SIZES	DECIMAL INCHES	TAP SIZES <i>to be used with drill as indicated</i>
.07	.0059		.59	.0420		.27	.1440		H	.3000		.1732	.0312	5/8 - 11
.10mm	.0039		.57	.0430		3.7mm	.1457		6.0mm	.2377		12.5mm	.5318	
.06	.0063		1.1mm	.0433		.29	.1470	3/16-24	6.9mm	.2717		35/64	.5469	
.10mm	.0063		1.15mm	.0453		3.75mm	.1478	m4.5x.75	I	.2720	5/16-24	14mm	.5512	m18x2
.05	.0067		.56	.0455		.25	.1495	#10-24	J	.2756		9/16	.5625	
.17mm	.0067	3/64	.54	.0459	#0-80	3.8mm	.1496		K	.2770		14.5mm	.5709	m16x1.50
.04	.0071		1.2mm	.0472		.24	.1520		L	.2786		37/64	.5791	3/8-16, 5/8-11
.10mm	.0071		1.25mm	.0482	m1.8x.35	3.9mm	.1535		M	.2810		15mm	.5906	
.03	.0075		1.3mm	.0512		.23	.1540		N	.2812	5/16-32	19/32	.5938	3/8-16mm
.10mm	.0075		.55	.0520		6/32	.1562		O	.2838		39/64	.6094	
.02	.0079		1.35mm	.0521		.22	.1570	3/16-32	P	.2854		15.5mm	.6102	m18x2.5
.2mm	.0079		.54	.0550		.4mm	.1575		Q	.2874		5/8	.6250	1 1/16-16
.01	.0083		1.4mm	.0551		.21	.1590	#10-32	R	.2900		18mm	.6299	m18x2.0
.21mm	.0083		1.45mm	.0571	m1.8x.35	.20	.1610		S	.2912		41/64	.6406	
.00	.0087		1.5mm	.0591		4.1mm	.1614		T	.2950		18.5mm	.6486	
.22mm	.0087		.53	.0595	#1-64, 72	4.2mm	.1654	m5x0.8	U	.2982		21/32	.6662	3/4-10
.09	.0091		1.55mm	.0610		.19	.1660		V	.2988		17mm	.6693	
.23mm	.0091	1/16	1.7mm	.0625		4.25mm	.1673		W	.2992		43/64	.6719	
.24mm	.0094		1.6mm	.0630	m2x0.4	4.3mm	.1693		X	.3020		11/16	.6875	3/4-16
.08	.0095		.52	.0635		.18	.1695		Y	.3031		17.5mm	.6890	m20x2.5
.25mm	.0099		1.65mm	.0650		11/64	.1719		Z	.3051	m8x1.25	45/64	.7031	
.07	.0100		1.7mm	.0669		.17	.1730		AA	.3071		18mm	.7097	m20x2.0
.26mm	.0102		.51	.0670	#2-56	4.4mm	.1732		AB	.3110		23/32	.7188	1/2-14mm
.06	.0105		1.75mm	.0689	m2.2x0.45	.16	.1770	#12-24	AC	.3125	3/8-16	18.5mm	.7263	m20x1.5
.27mm	.0108		.50	.0700	#2-64	4.5mm	.1772		AD	.3150		47/64	.7344	1/2-14mm
.05	.0110		1.8mm	.0709		.15	.1800		AE	.3160		19mm	.7480	
.28mm	.0110		1.85mm	.0725		4.6mm	.1811		AF	.3189		5/4	.7500	
.29mm	.0114		.49	.0730		.14	.1820	#12-28	AG	.3226		49/64	.7656	7/8-9
.04	.0115		1.9mm	.0748	m2.3x0.4	.13	.1850		AH	.3230		19.5mm	.7677	m22x2.5
.3mm	.0116		.48	.0760		4.7mm	.1850		AI	.3248		26/32	.7812	
.03	.0120		1.95mm	.0768		4.75mm	.1870		AJ	.3288		20mm	.7874	m22x2.0
.02	.0125	5/64	.47	.0781		3/16	.1875		AK	.3301		51/64	.7969	
.32mm	.0126		.47	.0785	#3-48	4.8mm	.1890		AL	.3307		20.5mm	.8071	m22x1.5
.01	.0130		.46	.0787		.12	.1890	7/32-32	AM	.3320	3/8-24	13/16	.8125	7/8-14
.34mm	.0134		2.05mm	.0807	m2.5x0.45	.11	.1910		AN	.3348	m10x1.5	21mm	.8268	m24x3
.00	.0135		.46	.0810		4.9mm	.1929		AO	.3366		53/64	.8281	
.35mm	.0138		.45	.0820	#3-56	.10	.1935		AP	.3390	1/8-27mm	27/32	.8438	
.36mm	.0142		2.1mm	.0837		.9	.1960		AQ	.3425		21.5mm	.8495	
.79	.0145		2.15mm	.0848	m2.6x0.45	.9mm	.1969	m6x1	AR	.3438		55/64	.8594	
.38mm	.0150		.44	.0860	#4-38	.8	.1990		AS	.3440	m10x1.25	22mm	.8601	m24x2
1/64	.0156		2.2mm	.0865		5.1mm	.2008		AT	.3465		7/8	.8750	1-6
.4mm	.0157		2.25mm	.0880		.7	.2010	1/4-20	AU	.3480	1/8-27mm	22.25mm	.8760	
.78	.0160		.43	.0890	#4-40	13/64	.2031		AV	.3504		22.5mm	.8858	m24x1.50
.42mm	.0165		2.3mm	.0906		.6	.2040		AW	.3543	m10x1.00	57/64	.8906	
.44mm	.0172		2.35mm	.0925		5.2mm	.2047		AX	.3560		23mm	.9055	
.45mm	.0177		.42	.0938	#4-48	.5	.2055		AY	.3583		29/32	.9082	
.77	.0180	3/32	2.4mm	.0948		5.25mm	.2067	m8x0.75	AZ	.3594		59/64	.9219	3/4-14mm
.46mm	.0181		2.4mm	.0948		5.3mm	.2083		BA	.3622		23.5mm	.9252	
.48mm	.0188		.41	.0960		.4	.2090	1/4-24	BB	.3642		15/16	.9375	3/4-14, 1-14
.5mm	.0187		2.45mm	.0965		5.4mm	.2126		BC	.3661		24mm	.9449	m27x3
.76	.0200		.40	.0980		.3	.2130	1/4-28	BD	.3680	7/16-14	61/64	.9531	
.75	.0210		2.5mm	.0984	m3x0.5	5.5mm	.2155		BE	.3701		24.5mm	.9640	
.55mm	.0217		.39	.0995		7/32	.2188		BF	.3740	m11x1.5	31/32	.9688	
.74	.0225		.38	.1015	#5-40	5.6mm	.2205		BG	.3750		25mm	.9843	m27x2
.6mm	.0230		2.6mm	.1024		.2	.2210		BH	.3770		63/64	.9844	1-1/8-7
.73	.0240		.37	.1040	#5-44	5.7mm	.2244		BI	.3780		1	1.0000	
.72	.0250		2.7mm	.1062		5.75mm	.2254		BJ	.3819		25.5mm	1.0039	
.65mm	.0256		.36	.1065	#6-32	.1	.2290		BK	.3830		1-1/64	1.0156	
.71	.0260		2.75mm	.1083		5.8mm	.2293		BL	.3856		26mm	1.0236	
.7mm	.0276	7/64	2.8mm	.1094		5.8mm	.2333		BM	.3890		1-1/32	1.0312	
.70	.0280		.35	.1100		.A	.2340		BN	.3898		26.5mm	1.0433	m30x3.5
.69	.0292		2.8mm	.1102		15/64	.2344		BO	.3906	7/16-20	1-3/64	1.0469	1-1/8-12
.75mm	.0295		.34	.1110		.9mm	.2368		BP	.3937	m12x1.75	1-1/16	1.0625	
.68	.0310		.33	.1130	#6-40	.B	.2390		BQ	.3970		27mm	1.0820	
1/32	.0312		2.9mm	.1142	m3.5x0.5	6.1mm	.2402		BR	.4040		1-5/64	1.0781	
.6mm	.0315		.32	.1160		.C	.2420		BS	.4062		27.5mm	1.0827	
.67	.0320		.3mm	.1161		6.2mm	.2441		BT	.4130		1-3/32	1.0938	
.66	.0330		.31	.1200		.D	.2460	1/16-27mm	BU	.4154	m12x1.25	28mm	1.1024	m30x3.0
.65mm	.0335		3.1mm	.1220		6.25mm	.2481		BV	.4219	1/2-13	1-7/64	1.1094	1-1/4-7
.65	.0350		1/8	.1250	5/32-32	6.3mm	.2480		BW	.4331		28.5mm	1.1220	
.6mm	.0354		3.2mm	.1260		.E	.2500	1/16-27mm	BX	.4375	1/4-18mm	1-1/8	1.1250	
.64	.0360		3.25mm	.1290		1/4	.2500		BY	.4399		1-9/64	1.1406	
.63	.0370		.30	.1285	5/32-36	6.4mm	.2520		BZ	.4531	1/4-18, 1/2-20	29mm	1.1417	
.65mm	.0374		3.3mm	.1299	m4x0.7	6.5mm	.2559		CA	.4659		1-5/32	1.1562	1-11/16mm
.62	.0380		3.4mm	.1329		.F	.2570	5/16-18	CB	.4724	m14x2	29.5mm	1.1614	
.61	.0390		.29	.1360	#8-32	6.6mm	.2598		CC	.4844	9/16-12	1-11/64	1.1719	1-1/4-12
.1mm	.0394		3.5mm	.1378		.G	.2610		CD	.4821	m14x1.5			
.60	.0400		.28	.1405		6.7mm	.2638		CE	.5000				
.59	.0410		9/64	.1408		17/64	.2656		CF	.5119	m14x1.25			
1.05mm	.0413		3.6mm	.1417		6.75mm	.2667	m8x1.25	CG	.5156	5/16-18			



DRILL AMERICA
CUTTING TOOL
CATALOG DA2023

