

SHORT SET COUNTERBORES

These Short Set Counterbores are made from top grade High Speed Steel. You can depend on the ruggedness and durability of these tools, as the counterbore-cutter and shank are integral with the cutting edges strongly backed up.

For interchangeable Pilots refer to Page 83



TAPER SHANK LIST NO. 375



STRAIGHT SHANK LIST NO. 376

Dia.	OAL	# of Flutes	Hole Dia.	Range of Pilot Size	Taper Shank			Straight Shank		
					Taper Shank	Catalog EDI #	List Price	Shank Size Length	Catalog EDI #	List Price
3/16	3 13/16	3	3/32	1/8-3/16	1	26851	\$32.70	15/64x3 1/16	26921	\$30.95
7/32	3 13/16	3	3/32	1/8-3/16	1	26852	32.70	15/64x3 1/16	26922	30.95
1/4	3 13/16	3	3/32	1/8-3/16	1	26853	29.70	15/64x3 1/16	26923	28.00
9/32	3 13/16	3	3/32	1/8-7/32	1	26854	29.70	17/64x3 1/16	26924	28.00
5/16	3 13/16	3	3/32	1/8-1/4	1	26855	31.20	19/64x3 1/16	26925	28.75
11/32	3 13/16	3	3/32	1/8-9/32	1	26856	31.20	5/16x3 1/16	26926	28.75
3/8	4 1/16	3	5/32	3/16-5/16	1	26857	31.20	5/16-3 1/16	26927	28.75
13/32	4 1/16	3	5/32	3/16-11/32	1	26858	32.95	3/8x3 1/16	26928	31.15
7/16	4 1/16	3	5/32	3/16-3/8	1	26859	32.95	3/8x3 1/16	26929	31.15
15/32	4 5/16	3	3/16	1/4-13/32	1	26860	34.95	7/16x3 1/16	26930	32.95
1/2	4 5/16	3	3/16	1/4-7/16	1	26861	34.95	7/16x3 1/16	26931	32.95
17/32	4 5/16	3	3/16	1/4-15/32	1	26862	39.00	1/2-3 1/16	26932	36.75
9/16	4 5/16	3	3/16	1/4-1/2	1	26863	39.00	1/2x3 1/16	26933	36.75
19/32	5 1/8	3	3/16	1/4-17/32	2	26864	41.65	1/2x3 7/8	26934	39.40
5/8	5 1/8	3	3/16	1/4-9/16	2	26865	41.65	1/2x3 7/8	26935	39.40
21/32	5 1/8	3	3/16	1/4-19/32	2	26866	46.00	1/2x3 7/8	26936	43.45
11/16	5 1/8	3	3/16	1/4-5/8	2	26867	46.00	1/2x3 7/8	26937	43.45
23/32	5 3/8	3	1/4	5/16-21/32	2	26868	48.05	1/2x3 7/8	26938	45.35
3/4	5 3/8	3	1/4	5/16-11/16	2	26869	48.05	1/2x3 7/8	26939	45.35
25/32	5 3/8	3	1/4	5/16-23/32	2	26870	50.55	5/8x3 7/8	26940	47.70
13/16	5 3/8	3	1/4	5/16-3/4	2	26871	50.55	5/8x3 7/8	26941	47.70
7/8	5 3/8	3	1/4	5/16-13/16	2	26872	52.80	3/4x3 7/8	26942	49.95
15/16	6 1/8	3	1/4	5/16-7/8	3	26873	55.70	3/4x4 5/8	26943	52.50
1	6 3/8	3	5/16	3/8-15/16	3	26874	66.55	3/4x4 5/8	26944	62.90
1 1/16	6 3/8	3	5/16	3/8-1	3	26875	74.35	3/4x4 5/8	26945	70.25
1 1/8	6 3/8	3	5/16	3/8-1 1/16	3	26876	77.50	1x4 5/8	26946	73.15
1 3/16	6 3/8	3	5/16	3/8-1 1/8	3	26877	81.10	1x4 5/8	26947	76.45
1 1/4	6 5/8	5	3/8	7/16-1 3/16	3	26878	95.20	1x4 5/8	26948	89.90
1 5/16	6 5/8	5	3/8	7/16-1 1/4	3	26879	101.05	1x4 5/8	26949	95.40
1 3/8	6 5/8	5	3/8	7/16-1 5/16	3	26880	108.35	1x4 5/8	26950	102.40
1 7/16	7 7/8	5	3/8	7/16-1 3/8	4	26881	111.80	1 1/4x5 7/8	26951	105.60
1 1/2	7 7/8	5	3/8	7/16-1 7/16	4	26882	121.35	1 1/4x5 7/8	26952	114.60
1 9/16	8 1/8	5	7/16	1/2-1 1/2	4	26883	155.05	1 1/4x5 7/8	26953	146.45
1 5/8	8 1/8	5	7/16	1/2-1 9/16	4	26884	165.40	1 1/4x5 7/8	26954	156.00
1 11/16	8 1/8	5	7/16	1/2-1 5/8	4	26885	168.35	1 1/4x5 7/8	26955	158.90
1 3/4	8 1/8	5	7/16	1/2-1 11/16	4	26886	177.95	1 1/4x5 7/8	26956	167.95
1 13/16	8 1/8	5	7/16	1/2-1 3/4	4	26887	186.85	1 1/2x5 7/8	26957	176.40
1 7/8	8 1/8	5	7/16	1/2-1 13/16	4	26888	195.75	1 1/2x5 7/8	26958	184.80
1 15/16	8 1/8	5	7/16	1/2-1 7/8	4	26889	201.40	1 1/2x5 7/8	26959	192.90
2	8 3/8	5	1/2	9/16-1 15/16	4	26890	221.35	1 1/2x5 7/8	26960	208.90
2 1/8	9 7/8	5	1/2	9/16-2 1/16	5	26891	275.00	1 1/2x7 3/8	26961	259.75
2 1/4	9 7/8	5	1/2	9/16-2 3/16	5	26892	292.85	1 1/2x7 3/8	26962	276.40
2 3/8	9 7/8	5	1/2	9/16-2 5/16	5	26893	314.30	1 3/4x7 3/8	26963	296.70
2 1/2	9 7/8	5	1/2	9/16-2 7/16	5	26894	334.70	1 3/4x7 3/8	26964	315.95
2 5/8	9 7/8	5	1/2	9/16-2 9/16	5	26895	389.75	1 3/4x7 3/8	26965	367.40
2 3/4	9 7/8	5	1/2	9/16-2 11/16	5	26896	426.75	1 3/4x7 3/8	26966	402.85
2 7/8	9 7/8	5	1/2	9/16-2 13/16	5	26897	447.05	1 3/4x7 3/8	26967	422.05
3	9 7/8	5	1/2	9/16-2 15/16	5	26898	465.30	1 3/4x7 3/8	26968	439.25°

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details

**PILOTS FOR COUNTERBORES
LIST NO. P100**


These pilots are made from carbon tool steel properly hardened and carefully ground. They have straight shanks with a flat for a set screw.

The pilot diameter is made with an undersize allowance suitable for a running fit.

When ordering, kindly specify stock number, or complete pilot specifications.

Pilot Dia.	Pilot Shank Dia.	Catalog EDI-Number	List Price
1/8	3/32	26111	\$6.55
5/32	3/32	26112	6.55
3/16	3/32	26113	6.55
3/16	5/32	26114	6.55
7/32	3/32	26115	7.30
7/32	5/32	26116	7.30
1/4	3/32	26117	7.45
1/4	5/32	26118	7.45
1/4	3/16	26119	7.45
5/16	5/32	26120	7.80
5/16	3/16	26121	7.80
5/16	1/4	26122	7.80
3/8	5/32	26123	7.95
3/8	3/16	26124	7.95
3/8	1/4	26125	7.95
3/8	5/16	26126	7.95
7/16	3/16	26127	8.85
7/16	1/4	26128	8.85
7/16	5/16	26129	8.85
7/16	3/8	26130	8.85
1/2	3/16	26131	8.85
1/2	1/4	26132	8.85
1/2	5/16	26133	8.85
1/2	3/8	26134	8.85
1/2	7/16	26135	8.85
9/16	3/16	26136	11.30
9/16	1/4	26137	11.30
9/16	5/16	26138	11.30
9/16	3/8	26139	11.30
9/16	7/16	26140	11.30
9/16	1/2	26141	11.30
5/8	3/16	26142	12.50
5/8	1/4	26143	12.50
5/8	5/16	26144	12.50
5/8	3/8	26145	12.50
5/8	7/16	26146	12.50
5/8	1/2	26147	12.50
11/16	1/4	26148	13.20
11/16	5/16	26149	13.20
11/16	3/8	26150	13.20

Pilot Dia.	Pilot Shank Dia.	Catalog EDI-Number	List Price
11/16	7/16	26151	\$13.20
11/16	1/2	26152	13.20
3/4	1/4	26153	14.00
3/4	5/16	26154	14.00
3/4	3/8	26155	14.00
3/4	7/16	26156	14.00
3/4	1/2	26157	14.00
13/16	1/4	26158	15.65
13/16	5/16	26159	15.65
13/16	3/8	26160	15.65
13/16	7/16	26161	15.65
13/16	1/2	26162	15.65
7/8	1/4	26163	16.70
7/8	5/16	26164	16.70
7/8	3/8	26165	16.70
7/8	7/16	26166	16.70
7/8	1/2	26167	16.70
15/16	5/16	26168	17.50
15/16	3/8	26169	17.50
15/16	7/16	26170	17.50
15/16	1/2	26171	17.50
1	5/16	26172	17.05
1	3/8	26173	17.05
1	7/16	26174	17.05
1	1/2	26175	17.05
1 1/16	5/16	26176	20.50
1 1/16	3/8	26177	20.50
1 1/16	7/16	26178	20.50
1 1/16	1/2	26179	20.50
1 1/8	5/16	26180	23.05
1 1/8	3/8	26181	23.05
1 1/8	7/16	26182	23.05
1 1/8	1/2	26183	23.05
1 3/16	3/8	26184	24.35
1 3/16	7/16	26185	24.35
1 3/16	1/2	26186	24.35
1 1/4	3/8	26187	25.40
1 1/4	7/16	26188	25.40
1 1/4	1/2	26189	25.40
1 5/16	3/8	26190	27.05

Pilot Dia.	Pilot Shank Dia.	Catalog EDI-Number	List Price
1 5/16	7/16	26191	\$27.05
1 5/16	1/2	26192	27.05
1 3/8	3/8	26193	28.25
1 3/8	7/16	26194	28.25
1 3/8	1/2	26195	28.25
1 7/16	3/8	26196	31.15
1 7/16	7/16	26197	31.15
1 7/16	1/2	26198	31.15
1 1/2	7/16	26199	32.70
1 1/2	1/2	26200	32.70
1 9/16	7/16	26201	34.50
1 9/16	1/2	26202	34.50
1 5/8	7/16	26203	35.85
1 5/8	1/2	26204	35.85
1 11/16	7/16	26205	38.40
1 11/16	1/2	26206	38.40
1 3/4	7/16	26207	41.10
1 3/4	1/2	26208	41.10
1 13/16	7/16	26209	45.85
1 13/16	1/2	26210	45.85
1 7/8	7/16	26211	50.15
1 7/8	1/2	26212	50.15
1 15/16	1/2	26213	54.75
2	1/2	26214	60.00
2 1/16	1/2	26215	67.20
2 1/8	1/2	26216	69.15
2 3/16	1/2	26217	71.95
2 1/4	1/2	26218	80.70
2 5/16	1/2	26219	94.05
2 3/8	1/2	26220	94.05
2 7/16	1/2	26221	98.50
2 1/2	1/2	26222	103.50
2 9/16	1/2	26223	115.50
2 5/8	1/2	26224	115.50
2 11/16	1/2	26225	128.10
2 3/4	1/2	26226	135.40
2 13/16	1/2	26227	141.50
2 7/8	1/2	26228	148.05
2 15/16	1/2	26229	155.85
3	1/2	26230	167.75

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details

CARBIDE TIPPED

List No. 375C - Tapered Shank - Three/Four Flutes - For Steel

List No. 376C - Straight Shank - Three/Four Flutes - For Steel

Use: Designed with right hand helix, proper grade carbide and cutting edge clearance for heavier feeds. Hardened alloy steel bodies with brazed on carbide tips.

Tool diameter tolerance: $+.001"/-0"$
 Shank diameter tolerance: $+0"/-.0005"$ (Straight shank)

TAPER SHANK LIST NO. 375C



STRAIGHT SHANK LIST NO. 376C



Tool Diameter		Min. Cut Diam.	Pilot Hole Diam.	No. of Flts.	OAL	Straight Shank		Taper Shank		List Price
Decimal	Frac.					Shank Diam.	Edi-Number	Morse Taper	Edi-Number	
.2500	1/4	.114	3/32	3	3 13/16	15/64	57001	1	57101	\$70.30
.2812	9/32	.114	3/32	3	3 13/16	17/64	57002	1	57102	84.80
.3125	5/16	.114	3/32	3	3 13/16	19/64	57003	1	57103	76.95
.3438	11/32	.114	3/32	3	3 13/16	5/16	57004	1	57104	95.25
.3750	3/8	.182	5/32	3	4 1/16	5/16	57005	1	57105	86.75
.4062	13/32	.182	5/32	3	4 1/16	3/8	57006	1	57106	96.80
.4375	7/16	.182	5/32	3	4 1/16	3/8	57007	1	57107	88.05
.4688	15/32	.228	3/16	3	4 5/16	7/16	57008	1	57108	107.75
.5000	1/2	.228	3/16	3	4 5/16	7/16	57009	1	57109	98.15
.5312	17/32	.228	3/16	3	4 5/16	1/2	57010	1	57110	108.90
.5625	9/16	.228	3/16	3	4 5/16	1/2	57011	1	57111	99.95
.5938	19/32	.228	3/16	3	5 1/8	1/2	57012	2	57112	112.50
.6250	5/8	.228	3/16	3	5 1/8	1/2	57013	2	57113	102.50
.6562	21/32	.228	3/16	3	5 1/8	1/2	57014	2	57114	119.35
.6875	11/16	.228	3/16	3	5 1/8	1/2	57015	2	57115	108.40
.7188	23/32	.290	1/4	3	5 3/8	1/2	57016	2	57116	121.10
.7500	3/4	.290	1/4	3	5 3/8	1/2	57017	2	57117	110.00
.7812	25/32	.290	1/4	3	5 3/8	5/8	57018	2	57118	123.70
.8125	13/16	.290	1/4	3	5 3/8	5/8	57019	2	57119	112.65
.8438	27/32	.290	1/4	3	5 3/8	3/4	57020	2	57120	128.55
.8750	7/8	.290	1/4	3	5 3/8	3/4	57021	2	57121	117.85
.9062	29/32	.290	1/4	3	6 1/8	3/4	57022	3	57122	133.60
.9375	15/16	.290	1/4	3	6 1/8	3/4	57023	3	57123	121.45
.9688	31/32	.353	5/16	3	6 3/8	3/4	57024	3	57124	136.05
1.0000	1	.353	5/16	3	6 3/8	3/4	57025	3	57125	123.80
1.0625	1 1/16	.353	5/16	3	6 3/8	3/4	57026	3	57126	124.75
1.1250	1 1/8	.353	5/16	3	6 3/8	1	57027	3	57127	128.90
1.1875	1 3/16	.353	5/16	3	6 3/8	1	57028	3	57128	133.60
1.2500	1 1/4	.426	3/8	4	6 5/8	1	57029	3	57129	136.10
1.3125	1 5/16	.426	3/8	4	6 5/8	1	57030	3	57130	147.30
1.3750	1 3/8	.426	3/8	4	6 5/8	1	57031	3	57131	154.00
1.4375	1 7/16	.426	3/8	4	7 7/8	1 1/4	57032	4	57132	157.80
1.5000	1 1/2	.426	3/8	4	7 7/8	1 1/4	57033	4	57133	174.50
1.5625	1 9/16	.489	7/16	4	8 1/8	1 1/4	57034	4	57134	179.45
1.6250	1 5/8	.489	7/16	4	8 1/8	1 1/4	57035	4	57135	181.65
1.6875	1 11/16	.489	7/16	4	8 1/8	1 1/4	57036	4	57136	201.80
1.7500	1 3/4	.489	7/16	4	8 1/8	1 1/4	57037	4	57137	202.30
1.8125	1 13/16	.489	7/16	4	8 1/8	1 1/2	57038	4	57138	238.25
1.8750	1 7/8	.489	7/16	4	8 1/8	1 1/2	57039	4	57139	239.45
1.9375	1 15/16	.489	7/16	4	8 1/8	1 1/2	57040	4	57140	260.30
2.0000	2	.551	1/2	4	8 3/8	1 1/2	57041	4	57141	261.85

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details



CAP SCREW COUNTERBORES

STRAIGHT SHANK
HIGH SPEED STEEL

List No. CPS376

Head and Body

Catalog EDI-Number	Screw Dia.	C'bore Dia.	Pilot Dia.	Shank Dia.	OAL	List Price
25991-CC408	1/4	13/32	1/4	3/8	5 3/4	\$34.95
25992-CC410	5/16	1/2	5/16	7/16	6 1/8	38.05
25993-CC412	3/8	19/32	3/8	9/16	6 1/2	45.75
25994-CC414	7/16	11/16	7/16	5/8	7	50.35
25995-CC418	1/2	25/32	1/2	3/4	7 1/4	56.10



SOLID PILOT COUNTERBORES

List No. CB269

For U.S.S. Cap Screw	Shank Dia.	Overall Length	Counterbore Dia.	Catalog EDI-Number & Pilot Diameter	List Price
No. 6	3/8	3 1/4	.242	26281 .150	\$26.75
No. 8	3/8	3 1/4	.290	26282 .178	26.75
No. 10	3/8	3 1/4	.332	26283 .204	26.75
1/4	3/8	3 1/2	13/32	26292 9/32	27.85
5/16	3/8	3 3/4	1/2	26293 11/32	29.80
3/8	1/2	4	19/32	26294 13/32	31.35
7/16	1/2	4 1/2	11/16	26295 15/32	34.90
1/2	3/4	5	25/32	26296 17/32	42.15
9/16	3/4	6 1/2	7/8	26297 19/32	77.75
5/8	3/4	6 1/2	1	26298 21/32	91.15
3/4	3/4	7 1/8	1 3/16	26299 25/32	113.20



CONTINUOUS PILOT COUNTERBORES

List No. CB690

Catalog EDI-Number	For U.S.S. Cap Screw	Counterbore Dia.	Pilot Dia.	Shank Dia.	Overall Length	List Price
26240	No. 6	.242	.150	7/32	3	\$53.60
26241	No. 8	.286	.178	1/4	3	53.60
26242	No. 10	.332	.204	5/16	3 1/2	47.65
26243	1/4	13/32	9/32	3/8	4 3/4	45.40
26244	5/16	1/2	11/32	7/16	5	51.20
26245	3/8	19/32	13/32	1/2	5 1/2	55.45
26246	7/16	11/16	15/32	1/2	6	65.75
26247	1/2	25/32	17/32	1/2	6 1/4	73.80
26248	9/16	13/16	9/16	3/4	6 1/2	91.30
26249	5/8	31/32	21/32	3/4	6 1/2	105.85
26250	3/4	1 3/16	13/16	1	7 1/8	145.70

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details



THREE GROOVE COUNTERSINKS

HIGH SPEED STEEL

Regularly furnished with an included angle of 82 degrees; and with straight shanks in all sizes, 1/2 inch diameter, 2 inches long.

Catalog EDI-Number	Diameter	Overall Length	Flute Length	Length Body (in)	List Price
27791-X312	3/8	4 3/8	2 1/8	2 3/8	\$24.10
27792-X318	1/2	4 1/2	2 1/4	2 1/2	26.55
27793-X328	5/8	4 5/8	2 3/8	2 5/8	29.95
27794-X332	3/4	4 3/4	2 1/2	2 3/4	37.25
27795-X342	7/8	4 7/8	2 5/8	2 7/8	44.00
27796-X352	1	5	2 3/4	3	43.95



MACHINE COUNTERSINKS

HIGH SPEED STEEL

Utilized in countersinking for screwheads and for centering lathe work. Furnished with 60° and 82° angles.

60° Catalog EDI-Number	82° Catalog EDI-Number	Size Cut	Shank Diameter	Overall Length	List Price
27861-X518-60	27866-X518-82	1/2	1/2	3 1/2	\$22.10
27862-X528-60	27867-X528-82	5/8	1/2	3 3/4	24.95
27863-X532-60	27868-X532-82	3/4	1/2	3 3/4	31.80
27864-X542-60	27869-X542-82	7/8	1/2	4	34.95
27865-X552-60	27870-X552-82	1	1/2	4 1/4	38.60



SINGLE FLUTE COUNTERSINKS

HIGH SPEED STEEL

Dia.	60° Catalog EDI-Number	82° Catalog EDI-Number	90° Catalog EDI-Number	100° Catalog EDI-Number	120° Catalog EDI-Number	List Price
1/4	26401-X110	26402-X110	26403-X110	26404-X110	26405-X110	\$4.60
3/8	26406-X112	26407-X112	26408-X112	26409-X112	26410-X112	5.25
1/2	26411-X114	26412-X114	26413-X114	26414-X114	26415-X114	6.25
5/8	26416-X116	26417-X116	26418-X116	26419-X116	26420-X116	8.55
3/4	26421-X118	26422-X118	26423-X118	26424-X118	26425-X118	12.40
1	26426-X120	26427-X120	26428-X120	26429-X120	26430-X120	20.70



CENTER REAMER

HIGH SPEED STEEL

Furnished either with 60°, 82° 90°, 100°, 110°, included angle.

Catalog EDI-Number	Degree	Size Cut	Shank	Length Shank	Overall Length	List Price
27811-X410	60°	1/4	3/16	3/4	1 1/2	\$6.80
27812-X410	82°	1/4	3/16	3/4	1 1/2	6.80
27813-X410	90°	1/4	3/16	3/4	1 1/2	6.80
27814-X410	100°	1/4	3/16	3/4	1 1/2	6.80
27815-X410	110°	1/4	3/16	3/4	1 1/2	6.80
27816-X412	60°	3/8	1/4	7/8	1 3/4	8.00
27817-X412	82°	3/8	1/4	7/8	1 3/4	8.00
27818-X412	90°	3/8	1/4	7/8	1 3/4	8.00
27819-X412	100°	3/8	1/4	7/8	1 3/4	8.00
27820-X412	110°	3/8	1/4	7/8	1 3/4	8.00
27821-X414	60°	1/2	3/8	1	2	10.30
27822-X414	82°	1/2	3/8	1	2	10.30
27823-X414	90°	1/2	3/8	1	2	10.30
27824-X414	100°	1/2	3/8	1	2	10.30
27825-X414	110°	1/2	3/8	1	2	10.30
27826-X416	60°	5/8	3/8	1	2 1/4	14.85
27827-X416	82°	5/8	3/8	1	2 1/4	14.85
27828-X416	90°	5/8	3/8	1	2 1/4	14.85
27829-X416	100°	5/8	3/8	1	2 1/4	14.85
27830-X416	110°	5/8	3/8	1	2 1/4	14.85
27831-X418	60°	3/4	1/2	1 1/4	2 5/8	19.75
27832-X418	82°	3/4	1/2	1 1/4	2 5/8	19.75
27833-X418	90°	3/4	1/2	1 1/4	2 5/8	19.75
27834-X418	100°	3/4	1/2	1 1/4	2 5/8	19.75
27835-X418	110°	3/4	1/2	1 1/4	2 5/8	19.75
27836-X420	60°	1	1/2	1 1/2	3 1/2	35.15
27837-X420	82°	1	1/2	1 1/2	3 1/2	35.15
27838-X420	90°	1	1/2	1 1/2	3 1/2	35.15
27839-X420	100°	1	1/2	1 1/2	3 1/2	35.15
27840-X420	110°	1	1/2	1 1/2	3 1/2	35.15

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details



COMBINED DRILLS & COUNTERSINKS PLAIN TYPE

LIST D271
NEW AND OLD STANDARD

Catalog EDI-Number	New Std.	Old Std.	Body Dia.	Drill Dia.	List Price
27031	00	-	1/8	.020	\$6.35
27032	01	-	1/8	.025	6.35
27033	0	-	1/8	.031	4.40
27034	1	A-1	1/8	3/64	3.15
27035	-	C-2	13/64	1/16	5.90
27036	2	-	3/16	5/64	3.40
27037	-	D-1	15/64	5/64	5.90
27038	3	-	1/4	7/64	3.55
27039	-	E-1	.300	3/32	5.90
27040	-	E-2	.300	1/8	5.90
27041	4	-	5/16	1/8	3.70
27042	-	F-1	7/16	5/32	9.25
27043	5	F-2	7/16	3/16	6.05
27044	6	J-1	1/2	7/32	9.30
27045	-	J-2	1/2	9/32	13.75
27046	-	M-1	5/8	7/32	18.35
27047	7	-	5/8	1/4	16.85
27048	-	M-2	5/8	9/32	18.35
27049	-	N-1	3/4	1/4	24.90
27050	8	N-2	3/4	5/16	22.85



COMBINED DRILLS & COUNTERSINKS BELL TYPE

LIST D272
NEW AND OLD STANDARD

Catalog EDI-Number	New Std.	Old Std.	Body Dia.	Drill Dia.	List Price
27071	11	A-1	1/8	3/64	\$4.10
27072	-	C-2	13/64	1/16	7.10
27073	12	-	3/16	1/16	4.25
27074	-	D-1	15/64	5/64	7.10
27075	13	-	1/4	3/32	4.35
27076	-	E-1	.300	3/32	7.10
27077	-	E-2	.300	1/8	7.10
27078	14	-	5/16	7/64	4.45
27079	15	F-1	7/16	5/32	7.00
27080	-	F-2	7/16	3/16	10.20
27081	16	-	1/2	3/16	10.55
27082	-	J-1	1/2	7/32	15.40
27083	-	J-2	1/2	9/32	15.40
27084	17	M-1	5/8	7/32	19.30
27085	-	M-2	5/8	9/32	20.30
27086	18	N-1	3/4	1/4	25.75
27087	-	N-2	3/4	5/16	28.10



COMBINED DRILLS & COUNTERSINKS PLAIN TYPE

LIST D270
STANDARD LONG SERIES

Catalog EDI-Number	Size	OAL	Body Dia.	Drill Dia.	List Price
26991	1	3	1/8	3/64	\$9.30
26992	1	4	1/8	3/64	9.90
26993	1	5	1/8	3/64	13.40
26994	1	6	1/8	3/64	18.05
26995	2	4	3/16	5/64	10.45
26996	2	5	3/16	5/64	14.05
26997	2	6	3/16	5/64	17.90
26998	3	4	1/4	7/64	10.65
26999	3	5	1/4	7/64	14.90
27000	3	6	1/4	7/64	17.90
27001	4	4	5/16	1/8	12.40
27002	4	5	5/16	1/8	16.00
27003	4	6	5/16	1/8	18.45
27004	4 1/2	4	3/8	9/64	13.80
27005	4 1/2	5	3/8	9/64	16.30
27006	4 1/2	6	3/8	9/64	19.80
27007	5	5	7/16	3/16	19.05
27008	5	6	7/16	3/16	21.35
27009	6	5	1/2	7/32	20.25
27010	6	6	1/2	7/32	24.45
27011	7	6	5/8	1/4	45.45
27012	8	6	3/4	5/16	49.15



SOLID CARBIDE PLAIN TYPE 60°

Catalog EDI-Number	Size	Drill Dia.	Body Dia.	Drill Length	OAL	List Price
27014	00	0.025	1/8	.025	1 1/4	\$15.00
27015	0	1/32	1/8	1/32	1 1/4	13.65
27016	1	3/64	1/8	3/64	1 1/4	13.65
27017	2	5/64	3/16	5/64	1 7/8	19.05
27018	3	7/64	1/4	7/64	2	23.80
27019	4	1/8	5/16	1/8	2 1/8	28.25
27020	5	3/16	7/16	3/16	2 3/4	47.50
27021	6	7/32	1/2	7/32	3	57.80

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details

SOLID CARBIDE BURRS - ROTARY FILES - DOUBLE CUT

Size : Head Diameter x Head Length

CYLINDRICAL SHAPE

Catalog EDI-Number	Size	Shank Diameter	List Price
62001	1/4 x 5/8	1/4	\$8.60
62002	5/16 x 3/4	1/4	12.85
62003	3/8 x 3/4	1/4	23.40
62004	7/16 x 1	1/4	21.75
62005	1/2 x 1	1/4	19.30
62006	5/8 x 1	1/4	25.00
62007	3/4 x 1	1/4	38.00
62008	1 x 1	1/4	52.60
62009	1/8 x 1/2	1/4	16.50
62010	3/16 x 5/8	1/4	10.45
62011	1/16 x 1/4	1/8	5.60
62012	3/32 x 7/16	1/8	5.60
62013	1/8 x 9/16	1/8	5.60



CYLINDRICAL SHAPE WITH END CUT

Catalog EDI-Number	Size	Shank Diameter	List Price
62041	1/4 x 5/8	1/4	\$10.55
62042	5/16 x 3/4	1/4	16.10
62043	3/8 x 3/4	1/4	14.45
62044	7/16 x 1	1/4	25.45
62045	1/2 x 1	1/4	21.15
62046	5/8 x 1	1/4	29.30
62047	3/4 x 1	1/4	46.30
62048	1 x 1	1/4	58.25
62049	1/8 x 1/2	1/4	10.00
62050	3/16 x 5/8	1/8	11.25
62051	1/16 x 1/4	1/8	5.60
62052	3/32 x 7/16	1/8	5.60
62053	1/8 x 9/16	1/8	5.60



BALL SHAPE

Catalog EDI-Number	Size	Shank Diameter	List Price
62014	1/4	1/4	\$9.50
62015	5/16	1/4	10.00
62016	3/8	1/4	11.10
62017	7/16	1/4	13.80
62018	1/2	1/4	15.20
62019	5/8	1/4	18.85
62020	3/4	1/4	27.75
62021	1	1/4	45.15
62022	1/8	1/4	14.00
62023	3/16	1/4	10.05
62024	3/32	1/8	5.00
62025	1/8	1/8	5.00



CYLINDRICAL BALL NOSE

Catalog EDI-Number	Size	Shank Diameter	List Price
62054	1/4 x 5/8	1/4	\$10.45
62055	5/16 x 3/4	1/4	14.45
62056	3/8 x 3/4	1/4	13.85
62057	7/16 x 1	1/4	19.25
62058	1/2 x 1	1/4	21.70
62059	5/8 x 1	1/4	27.35
62060	3/4 x 1	1/4	43.55
62061	1 x 1	1/4	61.70
62062	1/8 x 1/2	1/4	11.40
62063	3/16 x 5/8	1/8	11.20
62064	3/32 x 7/16	1/8	6.65
62065	1/8 x 9/16	1/8	5.20



EGG SHAPE

Catalog EDI-Number	Size	Shank Diameter	List Price
62026	1/4 X 3/8	1/4	\$11.30
62027	3/8 X 5/8	1/4	13.60
62028	1/2 X 7/8	1/4	19.75
62029	5/8 X 1	1/4	28.10
62030	3/4 X 1	1/4	38.75
62031	1/8 X 7/32	1/8	5.00



ROUND TREE SHAPE

Catalog EDI-Number	Size	Shank Diameter	List Price
62066	1/4 x 5/8	1/4	\$10.50
62067	3/8 x 3/4	1/4	13.35
62068	1/2 x 1	1/4	19.65
62069	5/8 x 1	1/4	27.55
62070	3/4 x 1	1/4	36.45
62071	1/2 x 3/4	1/4	19.40
62072	3/4 x 1 1/2	1/4	53.90
62073	1/8 x 1/4	1/8	6.05
62074	1/8 x 1/2	1/8	5.80



POINTED TREE SHAPE

Catalog EDI-Number	Size	Shank Diameter	List Price
62032	1/4 X 3/4	1/4	\$10.50
62033	5/16 X 3/4	1/4	12.85
62034	3/8 x 3/4	1/4	14.20
62035	1/2 x 1	1/4	19.50
62036	5/8 x 1	1/4	27.25
62037	3/4 x 1	1/4	36.45
62038	3/4 x 1 1/2	1/4	53.90
62039	1/8 x 1/4	1/8	5.50
62040	1/8 x 3/8	1/8	5.50



FLAME SHAPE

Catalog EDI-Number	Size	Shank Diameter	List Price
62075	5/16 x 3/4	1/4	\$13.95
62076	1/2 x 1 1/4	1/4	28.90
62077	5/8 x 1 7/16	1/4	40.00
62078	3/4 x 1 5/8	1/4	51.10
62079	1/8 x 1/4	1/8	5.80



COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details

SOLID CARBIDE BURRS - ROTARY FILES

Size : Head Diameter x Head Length

60° TAPER SHAPE

Catalog EDI-Number	Size	Shank Diameter	List Price
52101	1/4 x 3/16	1/4	\$12.35
52102	3/8 x 5/16	1/4	14.10
52103	1/2 x 7/16	1/4	18.75
52104	5/8 x 9/16	1/4	33.00
52105	3/4 x 11/16	1/4	39.10
52106	1 x 15/16	1/4	60.00
52107	1/8 x 3/32	1/8	5.80



14° TAPER SHAPE

Catalog EDI-Number	Size	Shank Diameter	List Price
52115	1/4 x 5/8	1/4	\$11.30
52116	5/16 x 7/8	1/4	14.35
52117	3/8 x 1 1/16	1/4	16.15
52118	1/2 x 1 1/8	1/4	20.85
52119	5/8 x 1 5/16	1/4	36.50
52120	3/4 x 1 1/2	1/4	52.40
52121	1/8 x 3/8	1/8	6.80
52122	1/8 x 1/2	1/8	5.75



90° TAPER SHAPE

Catalog EDI-Number	Size	Shank Diameter	List Price
52108	1/4 x 1/8	1/4	\$10.90
52109	3/8 x 3/16	1/4	13.90
52110	1/2 x 1/4	1/4	14.95
52111	5/8 x 5/16	1/4	19.25
52112	3/4 x 3/8	1/4	27.40
52113	1 x 1/2	1/4	42.25
52114	1/8 x 1/16	1/8	10.15



CONE SHAPE

Catalog EDI-Number	Size	Shank Diameter	List Price
52123	1/4 x 1/2	1/4	\$10.15
52124	1/4 x 3/4	1/4	11.60
52125	1/4 x 1	1/4	11.60
52126	3/8 x 5/8	1/4	17.05
52127	1/2 x 7/8	1/4	21.55
52128	5/8 x 1	1/4	28.95
52129	1/8 x 7/16	1/8	5.30
52130	1/8 x 7/16	1/8	5.30
52131	1/8 x 5/8	1/8	5.95



INVERTED CONE SHAPE

Catalog EDI-Number	Size	Shank Diameter	List Price
52132	1/4 x 5/16	1/4	\$10.25
52133	3/8 x 3/8	1/4	15.20
52134	1/2 x 1/2	1/4	15.20
52135	5/8 x 3/4	1/4	27.65
52136	3/4 x 5/8	1/4	31.15
52137	3/32 x 5/32	1/8	6.35
52138	1/8 x 3/16	1/8	6.35



COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details

JOBBER DRILLS ~ GENERAL PURPOSE STRAIGHT SHANK ~ HIGH SPEED STEEL

These drills are recommended for the great bulk of drilling operations. The helix angle and flute construction have been developed from experience on many different materials and have been found most effective for general purpose drilling.



No. D220

Catalog EDI-Number	Fraction Size	Decimal Equiv.	Flute OAL	Flute Length	List Price
25301	1/64	.0156	3/4	3/16	\$1.60
25302	1/32	.0312	1 3/8	1/2	1.05
25303	3/64	.0469	1 3/4	3/4	1.05
25304	1/16	.0625	1 7/8	7/8	1.10
25305	5/64	.0781	2	1	1.10
25306	3/32	.0937	2 1/4	1 1/4	1.10
25307	7/64	.1094	2 5/8	1 1/2	1.25
25308	1/8	.1250	2 3/4	1 5/8	1.25
25309	9/64	.1406	2 7/8	1 3/4	1.25
25310	5/32	.1562	3 1/8	2	1.30
25311	11/64	.1719	3 1/4	2 1/8	1.35
25312	3/16	.1875	3 1/2	2 5/16	1.60
25313	13/64	.2031	3 5/8	2 7/16	1.70
25314	7/32	.2187	3 3/4	2 1/2	1.80
25315	15/64	.2344	3 7/8	2 5/8	2.20
25316	1/4	.2500	4	2 3/4	2.30
25317	17/64	.2656	4 1/8	2 7/8	2.55
25318	9/32	.2812	4 1/4	2 15/16	2.95
25319	19/64	.2969	4 3/8	3 1/16	3.10
25320	5/16	.3125	4 1/2	3 3/16	3.50
25321	21/64	.3281	4 5/8	3 5/16	3.80
25322	11/32	.3437	4 3/4	3 7/16	4.25

Catalog EDI-Number	Fraction Size	Decimal Equiv.	Flute OAL	Flute Length	List Price
25323	23/64	.3594	4 7/8	3 1/2	\$4.80
25324	3/8	.3750	5	3 5/8	4.90
25325	25/64	.3906	5 1/8	3 3/4	5.50
25326	13/32	.4062	5 1/4	3 7/8	5.70
25327	27/64	.4219	5 3/8	3 15/16	6.40
25328	7/16	.4375	5 1/2	4 1/16	6.55
25329	29/64	.4531	5 5/8	4 3/16	7.50
25330	15/32	.4687	5 3/4	4 5/16	7.90
25331	31/64	.4844	5 7/8	4 3/8	8.30
25332	1/2	.5000	6	4 1/2	8.55
25333	33/64	.5156	6 5/8	4 13/16	13.60
25334	17/32	.5312	6 5/8	4 13/16	14.30
25335	35/64	.5469	6 5/8	4 13/16	15.60
25336	9/16	.5625	6 5/8	4 13/16	16.60
25337	37/64	.5781	6 5/8	4 13/16	16.95
25338	19/32	.5938	7 1/8	5 3/16	16.85
25339	39/64	.6094	7 1/8	5 3/16	18.20
25340	5/8	.6250	7 1/8	5 3/16	18.20
25341	41/64	.6406	7 1/8	5 3/16	19.40
25342	21/32	.6562	7 1/8	5 3/16	19.40
25343	43/64	.6719	7 5/8	5 5/8	22.20
25344	11/16	.6875	7 5/8	5 5/8	22.20

LETTER DRILLS ~ GENERAL PURPOSE STRAIGHT SHANK ~ HIGH SPEED STEEL



No. D221

Catalog EDI-Number	Letter Size	Decimal Equiv.	Flute OAL	Flute Length	List Price
25361	A	.2340	3 7/8	2 5/8	\$2.40
25362	B	.2380	4	2 3/4	2.40
25363	C	.2420	4	2 3/4	2.40
25364	D	.2460	4	2 3/4	2.40
25365	E	.2500	4	2 3/4	2.40
25366	F	.2570	4 1/8	2 7/8	2.60
25367	G	.2610	4 1/8	2 7/8	3.00
25368	H	.2660	4 1/8	2 7/8	3.00
25369	I	.2720	4 1/8	2 7/8	3.00
25370	J	.2770	4 1/8	2 7/8	3.10
25371	K	.2810	4 1/4	2 15/16	3.50
25372	L	.2900	4 1/4	2 15/16	3.50
25373	M	.2950	4 3/8	3 1/16	3.70

Catalog EDI-Number	Letter Size	Decimal Equiv.	Flute OAL	Flute Length	List Price
25374	N	.3020	4 3/8	3 1/16	\$3.70
25375	O	.3160	4 1/2	3 3/16	3.70
25376	P	.3230	4 5/8	3 5/16	4.10
25377	Q	.3320	4 3/4	3 7/16	4.10
25378	R	.3390	4 3/4	3 7/16	4.40
25379	S	.3480	4 7/8	3 1/2	4.75
25380	T	.3580	4 7/8	3 1/2	5.30
25381	U	.3680	5	3 5/8	5.30
25382	V	.3770	5	3 5/8	5.45
25383	W	.3860	5 1/8	3 3/4	5.70
25384	X	.3970	5 1/8	3 3/4	6.70
25385	Y	.4040	5 1/4	3 7/8	7.90
25386	Z	.4130	5 1/4	3 7/8	8.30

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details

WIRE DRILLS ~ GENERAL PURPOSE STRAIGHT SHANK ~ HIGH SPEED STEEL



No. D222

Catalog EDI-Number	Wire Size	Decimal Equiv.	Flute OAL	Flute Length	List Price
25401	1	.2280	3 7/8	2 5/8	\$2.40
25402	2	.2210	3 7/8	2 5/8	2.40
25403	3	.2130	3 3/4	2 1/2	2.05
25404	4	.2090	3 3/4	2 1/2	2.05
25405	5	.2055	3 3/4	2 1/2	2.05
25406	6	.2040	3 3/4	2 1/2	2.05
25407	7	.2010	3 5/8	2 7/16	1.85
25408	8	.1990	3 5/8	2 7/16	1.85
25409	9	.1960	3 5/8	2 7/16	1.85
25410	10	.1935	3 5/8	2 7/16	1.85
25411	11	.1910	3 1/2	2 5/16	1.75
25412	12	.1890	3 1/2	2 5/16	1.75
25413	13	.1850	3 1/2	2 5/16	1.70
25414	14	.1820	3 3/8	2 3/16	1.70
25415	15	.1800	3 3/8	2 3/16	1.70
25416	16	.1770	3 3/8	2 3/16	1.70
25417	17	.1730	3 3/8	2 3/16	1.70
25418	18	.1695	3 1/4	2 1/8	1.35
25419	19	.1660	3 1/4	2 1/8	1.35
25420	20	.1610	3 1/4	2 1/8	1.35
25421	21	.1590	3 1/4	2 1/8	1.25
25422	22	.1570	3 1/8	2	1.25
25423	23	.1540	3 1/8	2	1.25
25424	24	.1520	3 1/8	2	1.25
25425	25	.1495	3	1 7/8	1.25
25426	26	.1470	3	1 7/8	1.25
25427	27	.1440	3	1 7/8	1.25
25428	28	.1405	2 7/8	1 3/4	1.10
25429	29	.1360	2 7/8	1 3/4	1.10
25430	30	.1285	2 3/4	1 5/8	1.10
25431	31	.1200	2 3/4	1 5/8	1.10
25432	32	.1160	2 3/4	1 5/8	1.10
25433	33	.1130	2 5/8	1 1/2	1.10
25434	34	.1110	2 5/8	1 1/2	1.10
25435	35	.1100	2 5/8	1 1/2	1.10
25436	36	.1065	2 1/2	1 7/16	1.10
25437	37	.1040	2 1/2	1 7/16	1.10
25438	38	.1015	2 1/2	1 7/16	1.10
25439	39	.0995	2 3/8	1 3/8	1.10
25440	40	.0980	2 3/8	1 3/8	1.10

Catalog EDI-Number	Wire Size	Decimal Equiv.	Flute OAL	Flute Length	List Price
25441	41	.0960	2 3/8	1 3/8	\$1.10
25442	42	.0935	2 1/4	1 1/4	1.10
25443	43	.0890	2 1/4	1 1/4	1.10
25444	44	.0860	2 1/8	1 1/8	1.10
25445	45	.0820	2 1/8	1 1/8	1.10
25446	46	.0810	2 1/8	1 1/8	1.10
25447	47	.0785	2	1	1.10
25448	48	.0760	2	1	1.10
25449	49	.0730	2	1	1.10
25450	50	.0700	2	1	1.10
25451	51	.0670	2	1	1.10
25452	52	.0635	1 7/8	7/8	1.10
25453	53	.0595	1 7/8	7/8	1.10
25454	54	.0550	1 7/8	7/8	1.10
25455	55	.0520	1 7/8	7/8	1.10
25456	56	.0465	1 3/4	3/4	1.10
25457	57	.0430	1 3/4	3/4	1.10
25458	58	.0420	1 5/8	11/16	1.10
25459	59	.0410	1 5/8	11/16	1.10
25460	60	.0400	1 5/8	11/16	1.10
25461	61	.0390	1 5/8	11/16	1.10
25462	62	.0380	1 1/2	5/8	1.10
25463	63	.0370	1 1/2	5/8	1.10
25464	64	.0360	1 1/2	5/8	1.10
25465	65	.0350	1 1/2	5/8	1.10
25466	66	.0330	1 3/8	1/2	1.10
25467	67	.0320	1 3/8	1/2	1.10
25468	68	.0310	1 3/8	1/2	1.10
25469	69	.0292	1 3/8	1/2	1.25
25470	70	.0280	1 1/4	3/8	1.25
25471	71	.0260	1 1/4	3/8	1.40
25472	72	.0250	1 1/8	5/16	1.40
25473	73	.0240	1 1/8	5/16	1.40
25474	74	.0225	1	1/4	1.40
25475	75	.0210	1	1/4	1.40
25476	76	.0200	7/8	3/16	1.40
25477	77	.0180	7/8	3/16	1.40
25478	78	.0160	7/8	3/16	1.40
25479	79	.0145	3/4	3/16	1.75
25480	80	.0135	3/4	3/16	1.75

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details

SHORT LENGTH SCREW MACHINE DRILLS



No. D240

FRACTIONAL SIZES ~ STRAIGHT SHANK HIGH SPEED STEEL

These drills are primarily used for screw machine applications. The short overall and flute length makes it a more sturdy drill. It is also used for portable drilling, sheet metal, and body work.

Catalog EDI-Number	Fraction Size	Decimal Equiv.	OAL	Flute Length	List Price
25501	3/64	.0469	1 5/8	5/8	\$1.10
25502	1/16	.0625	1 5/8	5/8	1.10
25503	5/64	.0781	1 3/4	3/4	1.10
25504	3/32	.0937	1 13/16	13/16	1.10
25505	7/64	.1094	1 13/16	13/16	1.10
25506	1/8	.1250	1 15/16	15/16	1.10
25507	9/64	.1406	1 15/16	15/16	1.10
25508	5/32	.1562	2 1/6	1	1.25
25509	11/64	.1719	2 1/8	1 1/16	1.40
25510	3/16	.1875	2 3/16	1 1/8	1.35
25511	13/64	.2031	2 1/4	1 3/16	1.40
25512	7/32	.2187	2 3/8	1 1/4	1.75
25513	15/64	.2344	2 7/16	1 5/16	1.75
25514	1/4	.2500	2 1/2	1 3/8	1.85
25515	17/64	.2656	2 5/8	1 7/16	2.30
25516	9/32	.2812	2 11/16	1 1/2	2.40
25517	19/64	.2969	2 3/4	1 9/16	2.55
25518	5/16	.3125	2 13/16	1 5/8	2.80
25519	21/64	.3281	2 15/16	1 11/16	3.00
25520	11/32	.3437	3	1 11/16	3.50
25521	23/64	.3594	3 1/16	1 3/4	4.05
25522	3/8	.3750	3 1/8	1 13/16	4.25
25523	25/64	.3906	3 1/4	1 7/8	4.75
25524	13/32	.4062	3 5/16	1 15/16	4.90
25525	27/64	.4219	3 3/8	2	5.30
25526	7/16	.4375	3 7/16	2 1/16	5.45
25527	29/64	.4531	3 9/16	2 1/8	6.40
25528	15/32	.4687	3 5/8	2 1/8	6.85
25529	31/64	.4844	3 11/16	2 3/16	7.10
25530	1/2	.5000	3 3/4	2 1/4	7.10

SHORT LENGTH SCREW MACHINE DRILLS



No. D241

LETTER DRILLS ~ STRAIGHT SHANK HIGH SPEED STEEL

These drills are primarily used for screw machine applications. The short overall and flute length makes it a more sturdy drill. It is also used for portable drilling, sheet metal, and body work.

Catalog EDI-Number	Fraction Size	Decimal Equiv.	OAL	Flute Length	List Price
25551	A	.2340	2 7/16	1 5/16	\$2.05
25552	B	.2380	2 1/2	1 3/8	2.05
25553	C	.2420	2 1/2	1 3/8	2.05
25554	D	.2460	2 1/2	1 3/8	2.05
25555	E	.2500	2 1/2	1 3/8	2.30
25556	F	.2570	2 5/8	1 7/16	2.30
25557	G	.2610	2 5/8	1 7/16	2.40
25558	H	.2660	2 11/16	1 1/2	2.40
25559	I	.2720	2 11/16	1 1/2	2.40
25560	J	.2770	2 11/16	1 1/2	2.55
25561	K	.2810	2 11/16	1 1/2	2.80
25562	L	.2900	2 3/4	1 9/16	2.80
25563	M	.2950	2 3/4	1 9/16	3.00
25564	N	.3020	2 13/16	1 5/8	3.00
25565	O	.3160	2 15/16	1 11/16	3.00
25566	P	.3230	2 15/16	1 11/16	3.50
25567	Q	.3320	3	1 11/16	3.50
25568	R	.3390	3	1 11/16	3.50
25569	S	.3480	3 1/16	1 3/4	4.05
25570	T	.3580	3 1/16	1 3/4	4.75
25571	U	.3680	3 1/8	1 13/16	4.75
25572	V	.3770	3 1/4	1 7/8	4.90
25573	W	.3860	3 1/4	1 7/8	5.10
25574	X	.3970	3 5/16	1 15/16	6.05
25575	Y	.4040	3 5/16	1 15/16	7.10
25576	Z	.4130	3 3/8	2	7.10

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details

SHORT LENGTH SCREW MACHINE DRILLS WIRE GAGE SIZES

Catalog EDI-Number	Wire Size	Decimal Equiv.	OAL	Flute Length	List Price
25601	1	.2280	2 7/16	1 5/16	\$1.80
25602	2	.2210	2 7/16	1 5/16	1.80
25603	3	.2130	2 3/8	1 1/4	1.70
25604	4	.2090	2 3/8	1 1/4	1.70
25605	5	.2055	2 3/8	1 1/4	1.70
25606	6	.2040	2 3/8	1 1/4	1.70
25607	7	.2010	2 1/4	1 3/16	1.40
25608	8	.1990	2 1/4	1 3/16	1.40
25609	9	.1960	2 1/4	1 3/16	1.40
25610	10	.1935	2 1/4	1 3/16	1.40
25611	11	.1910	2 1/4	1 3/16	1.35
25612	12	.1890	2 1/4	1 3/16	1.35
25613	13	.1850	2 3/16	1 1/8	1.40
25614	14	.1820	2 3/16	1 1/8	1.40
25615	15	.1800	2 3/16	1 1/8	1.40
25616	16	.1770	2 3/16	1 1/8	1.40
25617	17	.1730	2 3/16	1 1/8	1.40
25618	18	.1695	2 1/8	1 1/16	1.25
25619	19	.1660	2 1/8	1 1/16	1.25
25620	20	.1610	2 1/8	1 1/16	1.25
25621	21	.1590	2 1/8	1 1/16	1.25
25622	22	.1570	2 1/8	1 1/16	1.25
25623	23	.1540	2 1/16	1	1.25
25624	24	.1520	2 1/16	1	1.25
25625	25	.1495	2 1/16	1	1.10
25626	26	.1470	2 1/16	1	1.10
25627	27	.1440	2 1/16	1	1.10
25628	28	.1405	1 15/16	15/16	1.10
25629	29	.1360	1 15/16	15/16	1.10
25630	30	.1285	1 15/16	15/16	1.10

Body Dia.	Overall Length	Flute Length	90°	120°	List Price
1/4	2 1/2	3/4	60001	60051	\$5.15
1/4	4	3/4	60002	60052	6.35
1/4	6	3/4	60003	60053	9.45
3/8	3 1/8	1 1/8	60004	60054	11.90
3/8	5	1 1/8	60005	60055	15.10
3/8	7	1 1/8	60006	60056	21.70
1/2	3 3/4	1 3/8	60007	60057	16.40
1/2	6	1 3/8	60008	60058	22.85
1/2	8	1 3/8	60009	60059	33.95
5/8	4 3/8	1 5/8	60010	60060	25.85
5/8	7	1 5/8	60011	60061	36.15
5/8	9	1 5/8	60012	60062	55.50
3/4	5	1 7/8	60013	60063	38.95
3/4	8	1 7/8	60014	60064	55.10
3/4	10	1 7/8	60015	60065	81.55
1	6	2 1/4	60016	60066	78.25
1	8	2 1/4	60017	60067	82.60
1	10	2 1/4	60018	60068	122.70

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details



No. D242

STRAIGHT SHANK ~ HIGH SPEED STEEL

Catalog EDI-Number	Wire Size	Decimal Equiv.	OAL	Flute Length	List Price
25631	31	.1200	1 7/8	7/8	\$1.10
25632	32	.1160	1 7/8	7/8	1.10
25633	33	.1130	1 7/8	7/8	1.10
25634	34	.1110	1 7/8	7/8	1.10
25635	35	.1100	1 7/8	7/8	1.10
25636	36	.1065	1 13/16	13/16	1.10
25637	37	.1040	1 13/16	13/16	1.10
25638	38	.1015	1 13/16	13/16	1.10
25639	39	.0995	1 13/16	13/16	1.10
25640	40	.0980	1 13/16	13/16	1.10
25641	41	.0960	1 13/16	13/16	1.10
25642	42	.0935	1 3/4	3/4	1.10
25643	43	.0890	1 3/4	3/4	1.10
25644	44	.0860	1 3/4	3/4	1.10
25645	45	.0820	1 3/4	3/4	1.10
25646	46	.0810	1 3/4	3/4	1.10
25647	47	.0785	1 3/4	3/4	1.10
25648	48	.0760	1 11/16	11/16	1.10
25649	49	.0730	1 11/16	11/16	1.10
25650	50	.0700	1 11/16	11/16	1.10
25651	51	.0670	1 11/16	11/16	1.10
25652	52	.0635	1 11/16	11/16	1.10
25653	53	.0595	1 5/8	5/8	1.10
25654	54	.0550	1 5/8	5/8	1.10
25655	55	.0520	1 5/8	5/8	1.10
25656	56	.0465	1 3/8	1/2	1.10
25657	57	.0430	1 3/8	1/2	1.10
25658	58	.0420	1 3/8	1/2	1.10
25659	59	.0410	1 3/8	1/2	1.10
25660	60	.0400	1 3/8	1/2	1.10



SPOTTING DRILLS

90° and 120° point angles - right hand cut.

STRAIGHT SHANK TAPER LENGTH DRILLS



No. D251

FRACTIONAL SIZES ~ RIGHT HAND HIGH SPEED STEEL

Catalog EDI-Number	Dia.	Decimal Equiv.	OAL	Approx. Twist Length	List Price
24721	1/64	.0156	1 1/2	5/16	\$6.30
24722	1/32	.0312	2 1/4	3/4	5.30
24723	3/64	.0469	3	1 1/2	2.30
24724	1/16	.0625	3	1 1/2	2.40
24725	5/64	.0781	3 3/4	2 1/2	2.80
24726	3/32	.0938	4 1/4	2 3/4	3.50
24727	7/64	.1094	4 5/8	2 3/4	4.30
24728	1/8	.1250	5 1/8	2 3/4	4.35
24729	9/64	.1406	5 3/8	3	6.70
24730	5/32	.1562	5 3/8	3	6.15
24731	11/64	.1719	5 3/4	3 3/8	6.15
24732	3/16	.1875	5 3/4	3 3/8	5.30
24733	13/64	.2031	6	3 5/8	7.10
24734	7/32	.2188	6	3 5/8	8.50
24735	15/64	.2344	6 1/8	3 3/4	8.50
24736	1/4	.2500	6 1/8	3 3/4	6.15
24737	17/64	.2656	6 1/4	3 7/8	7.90
24738	9/32	.2812	6 1/4	3 7/8	7.50
24739	19/64	.2969	6 3/8	4	8.70
24740	5/16	.3125	6 3/8	4	7.50
24741	21/64	.3281	6 1/2	4 1/8	8.90
24742	11/32	.3438	6 1/2	4 1/8	8.70
24743	23/64	.3594	6 3/4	4 1/4	10.20
24744	3/8	.3750	6 3/4	4 1/4	10.20
24745	25/64	.3906	7	4 3/8	10.75
24746	13/32	.4062	7	4 3/8	10.60
24747	27/64	.4219	7 1/4	4 5/8	11.50
24748	7/16	.4375	7 1/4	4 5/8	11.80
24749	29/64	.4531	7 1/2	4 3/4	13.05
24750	15/32	.4688	7 1/2	4 3/4	13.85
24751	31/64	.4844	7 3/4	4 3/4	15.15
24752	1/2	.5000	7 3/4	4 3/4	14.40
24753	33/64	.5156	8	4 3/4	18.35
24754	17/32	.5312	8	4 3/4	18.00
24755	35/64	.5469	8 1/4	4 7/8	20.60
24756	9/16	.5625	8 1/4	4 7/8	18.95
24757	37/64	.5781	8 3/4	4 7/8	22.10
24758	19/32	.5938	8 3/4	4 7/8	22.10
24759	39/64	.6094	8 3/4	4 7/8	23.10
24760	5/8	.6250	8 3/4	4 7/8	22.10
24761	41/64	.6406	9	5 1/8	26.20
24762	21/32	.6562	9	5 1/8	25.20
24763	43/64	.6719	9 1/4	5 3/8	29.55
24764	11/16	.6875	9 1/4	5 3/8	28.45
24765	45/64	.7031	9 1/2	5 5/8	31.55
24766	23/32	.7188	9 1/2	5 5/8	31.10

Catalog EDI-Number	Dia.	Decimal Equiv.	OAL	Approx. Twist Length	List Price
24767	47/64	.7344	9 3/4	5 7/8	\$34.55
24768	3/4	.7500	9 3/4	5 7/8	32.90
24769	49/64	.7656	9 7/8	6	36.30
24770	25/32	.7812	9 7/8	6	36.30
24771	51/64	.7969	10	6 1/8	39.05
24772	13/16	.8125	10	6 1/8	38.45
24773	53/64	.8281	10	6 1/8	40.40
24774	27/32	.8438	10	6 1/8	40.40
24775	55/64	.8594	10	6 1/8	42.55
24776	7/8	.8750	10	6 1/8	41.95
24777	57/64	.8906	10	6 1/8	44.25
24778	29/32	.9062	10	6 1/8	44.25
24779	59/64	.9219	10 3/4	6 1/8	48.50
24780	15/16	.9375	10 3/4	6 1/8	56.00
24781	61/64	.9531	11	6 3/8	53.20
24782	31/32	.9688	11	6 3/8	53.20
24783	63/64	.9844	11	6 3/8	55.90
24784	1	1.0000	11	6 3/8	55.45
24785	1 1/64	1.0156	11 1/8	6 1/2	66.35
24786	1 1/32	1.0312	11 1/8	6 1/2	66.35
24787	1 3/64	1.0469	11 1/4	6 5/8	68.55
24788	1 1/16	1.0625	11 1/4	6 5/8	68.55
24789	1 5/64	1.0781	11 1/2	6 7/8	73.70
24790	1 3/32	1.0938	11 1/2	6 7/8	73.70
24791	1 7/64	1.1094	11 3/4	7 1/8	76.35
24792	1 1/8	1.1250	11 3/4	7 1/8	76.35
24793	1 9/64	1.1406	11 7/8	7 1/4	83.20
24794	1 5/32	1.1562	11 7/8	7 1/4	83.20
24795	1 11/64	1.1719	12	7 3/8	89.15
24796	1 3/16	1.1875	12	7 3/8	89.15
24797	1 13/64	1.2031	12 1/8	7 1/2	93.15
24798	1 7/32	1.2188	12 1/8	7 1/2	92.30
24799	1 15/64	1.2344	12 1/2	7 7/8	96.75
24800	1 1/4	1.2500	12 1/2	7 7/8	95.90
24801	1 9/32	1.2812	14 1/8	8 1/2	110.40
24802	1 5/16	1.3125	14 1/4	8 5/8	110.40
24803	1 11/32	1.3438	14 3/8	8 3/4	118.30
24804	1 3/8	1.3750	14 1/2	8 7/8	122.65
24805	1 13/32	1.4062	14 5/8	9	129.60
24806	1 7/16	1.4375	14 3/4	9 1/8	127.55
24807	1 15/32	1.4688	14 7/8	9 1/4	143.00
24808	1 1/2	1.5000	15	9 3/8	147.90
24809	1 9/16	1.5625	15 1/4	9 5/8	163.70
24810	1 5/8	1.6250	15 5/8	9 7/8	187.05
24811	1 3/4	1.7500	16 1/4	10 1/2	225.10

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details

SILVER & DEMING DRILLS



No. D256

HIGH SPEED STEEL ~ RIGHT HAND 6-INCH OVERALL LENGTH

Size of Shank, 1/2" Diameter and 2 1/4" Long

Catalog EDI-Number	Size	Decimal Equiv.	OAL	Approx. Twist Length	List Price
25141	1/4	.2500	6	2 7/8	\$12.95
25142	9/32	.2812	6	2 7/8	13.90
25143	5/16	.3125	6	2 7/8	15.10
25144	11/32	.3438	6	2 7/8	15.75
25145	3/8	.3750	6	3	16.95
25146	13/32	.4062	6	3	18.80
25147	7/16	.4375	6	3	20.40
25148	15/32	.4688	6	3	22.20
25149	1/2	.5000	6	3	22.65
25150	33/64	.5156	6	3	34.60
25151	17/32	.5312	6	3	34.60
25152	35/64	.5469	6	3	24.75
25153	9/16	.5625	6	3	24.75
25154	37/64	.5781	6	3	26.40
25155	19/32	.5938	6	3	26.40
25156	39/64	.6094	6	3	27.90
25157	5/8	.6250	6	3	27.90
25158	41/64	.6406	6	3	29.60
25159	21/32	.6562	6	3	29.60
25160	43/64	.6719	6	3	30.85
25161	11/16	.6875	6	3	30.85
25162	45/64	.7031	6	3	32.70
25163	23/32	.7188	6	3	32.70
25164	47/64	.7344	6	3	34.05
25165	3/4	.7500	6	3	34.05
25166	49/64	.7656	6	3	36.00
25167	25/32	.7812	6	3	36.00
25168	51/64	.7969	6	3	37.55
25169	13/16	.8125	6	3	37.55
25170	53/64	.8281	6	3	38.90
25171	27/32	.8438	6	3	38.90
25172	55/64	.8594	6	3	40.40
25173	7/8	.8750	6	3	40.40
25174	57/64	.8906	6	3	42.10
25175	29/32	.9062	6	3	42.10
25176	59/64	.9219	6	3	45.15
25177	15/16	.9375	6	3	45.15
25178	61/64	.9531	6	3	47.80
25179	31/32	.9688	6	3	47.80
25180	63/64	.9844	6	3	53.15
25181	1	1.0000	6	3	53.15
25182	1 1/32	1.0312	6	3	62.45
25183	1 1/16	1.0625	6	3	62.45
25184	1 1/8	1.1250	6	3	70.80
25185	1 3/16	1.1875	6	3	77.80
25186	1 1/4	1.2500	6	3	86.30



COBALT DRILLS ~ HEAVY DUTY

135° SPLIT POINT ~ JOBBERS LENGTH

More heavily constructed, size for size, than General Purpose designs for use in the harder, tougher alloy steels of the stainless and manganese types, castings, forgings, and chilled cast iron. These drills can be run approximately 25% faster than those of high speed steel, because of cobalt steel's ability to withstand high cutting temperatures. They should be used in a heavy duty setup with positive power feed, capable of producing heavy, uniform point pressure.

No. D321

Catalog EDI-Number	Fraction Size	Decimal Equiv.	OAL	Flute Length	List Price
24251	25/64	.3906	5 1/8	3 3/4	\$13.05
24252	13/32	.4062	5 1/4	3 7/8	13.75
24253	27/64	.4219	5 3/8	3 15/16	14.65
24254	7/16	.4375	5 1/2	4 1/16	15.10
24255	29/64	.4531	5 5/8	4 3/16	17.25
24256	15/32	.4687	5 3/4	4 5/16	17.95
24257	31/64	.4844	5 7/8	4 3/8	18.45
24258	1/2	.5000	6	4 1/2	18.65

Same as D321 with a 3/8" shank No. D320

Catalog EDI-Number	Fractional Size	Decimal Equiv.	OAL	Flute Length	List Price
24201	3/64	.0469	1 3/4	3/4	\$1.85
24202	1/16	.0625	1 7/8	7/8	1.75
24203	5/64	.0781	2	1	1.75
24204	3/32	.0937	2 1/4	1 1/4	1.75
24205	7/64	.1094	2 5/8	1 1/2	1.80
24206	1/8	.1250	2 3/4	1 5/8	2.40
24207	9/64	.1406	2 7/8	1 3/4	2.45
24208	5/32	.1562	3 1/8	2	2.60
24209	11/64	.1719	3 1/4	2 1/8	2.70
24210	3/16	.1875	3 1/2	2 5/16	3.10
24211	13/64	.2031	3 5/8	2 7/16	3.65
24212	7/32	.2187	3 3/4	2 1/2	3.90
24213	15/64	.2344	3 7/8	2 5/8	4.25
24214	1/4	.2500	4	2 3/4	4.60
24215	17/64	.2656	4 1/8	2 7/8	5.20
24216	9/32	.2812	4 1/4	2 15/16	5.45
24217	19/64	.2969	4 3/8	3 1/16	6.55
24218	5/16	.3125	4 1/2	3 3/16	7.00
24219	21/64	.3281	4 5/8	3 5/16	7.20
24220	11/32	.3437	4 3/4	3 7/16	8.20
24221	23/64	.3594	4 7/8	3 1/2	10.00
24222	3/8	.3750	5	3 5/8	10.15
24223	25/64	.3906	5 1/8	3 3/4	11.20
24224	13/32	.4062	5 1/4	3 7/8	11.75
24225	27/64	.4219	5 3/8	3 15/16	12.75
24226	7/16	.4375	5 1/2	4 1/16	13.00
24227	29/64	.4531	5 5/8	4 3/16	15.45
24228	15/32	.4687	5 3/4	4 5/16	15.90
24229	31/64	.4844	5 7/8	4 3/8	16.40
24230	1/2	.5000	6	4 1/2	16.55

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details

TAPER SHANK TWIST DRILLS



No. D209

**WITH REGULAR SHANKS
HIGH SPEED STEEL**

Catalog EDI-Number	Dia.	Taper Shank No.	OAL	Approx. Twist Length	List Price
24401	1/8	1	5 1/8	1 7/8	\$6.95
24402	9/64	1	5 3/8	2 1/8	8.10
24403	5/32	1	5 3/8	2 1/8	7.50
24404	11/64	1	5 3/4	2 1/2	9.00
24405	3/16	1	5 3/4	2 1/2	7.30
24406	13/64	1	6	2 3/4	8.10
24407	7/32	1	6	2 3/4	8.10
24408	15/64	1	6 1/8	2 7/8	9.50
24409	1/4	1	6 1/8	2 7/8	8.50
24410	17/64	1	6 1/4	3	9.00
24411	9/32	1	6 1/4	3	9.00
24412	19/64	1	6 3/8	3 1/8	11.50
24413	5/16	1	6 3/8	3 1/8	9.30
24414	21/64	1	6 1/2	3 1/4	12.20
24415	11/32	1	6 1/2	3 1/4	13.25
24416	23/64	1	6 3/4	3 1/2	14.60
24417	3/8	1	6 3/4	3 1/2	14.60
24418	25/64	1	7	3 5/8	15.10
24419	13/32	1	7	3 5/8	14.60
24420	27/64	1	7 1/4	3 7/8	15.70
24421	7/16	1	7 1/4	3 7/8	15.95
24422	29/64	1	7 1/2	4 1/8	17.35
24423	15/32	1	7 1/2	4 1/8	18.15
24424	31/64	2	8 1/4	4 3/8	20.60
24425	1/2	2	8 1/4	4 3/8	19.70
24426	33/64	2	8 1/2	4 5/8	22.50
24427	17/32	2	8 1/2	4 5/8	22.90
24428	35/64	2	8 3/4	4 7/8	24.45
24429	9/16	2	8 3/4	4 7/8	23.90
24430	37/64	2	8 3/4	4 7/8	26.00
24431	19/32	2	8 3/4	4 7/8	25.60
24432	39/64	2	8 3/4	4 7/8	27.15
24433	5/8	2	8 3/4	4 7/8	26.30
24434	41/64	2	9	5 1/8	29.95
24435	21/32	2	9	5 1/8	29.05
24436	43/64	2	9 1/4	5 3/8	32.15
24437	11/16	2	9 1/4	5 3/8	30.45
24438	45/64	2	9 1/2	5 5/8	33.55
24439	23/32	2	9 1/2	5 5/8	32.35
24440	47/64	2	9 3/4	5 7/8	35.50
24441	3/4	2	9 3/4	5 7/8	35.50

Catalog EDI-Number	Dia.	Taper Shank No.	OAL	Approx. Twist Length	List Price
24442	49/64	2	9 7/8	6	\$42.15
24443	25/32	2	9 7/8	6	41.90
24444	51/64	3	10 3/4	6 1/8	46.05
24445	13/16	3	10 3/4	6 1/8	43.35
24446	53/64	3	10 3/4	6 1/8	48.10
24447	27/32	3	10 3/4	6 1/8	46.70
24448	55/64	3	10 3/4	6 1/8	49.85
24449	7/8	3	10 3/4	6 1/8	48.10
24450	57/64	3	10 3/4	6 1/8	50.85
24451	29/32	3	10 3/4	6 1/8	50.85
24452	59/64	3	10 3/4	6 1/8	51.50
24453	15/16	3	10 3/4	6 1/8	48.30
24454	61/64	3	11	6 3/8	52.95
24455	31/32	3	11	6 3/8	52.70
24456	63/64	3	11	6 3/8	56.20
24457	1	3	11	6 3/8	54.05
24458	1 1/64	3	11 1/8	6 1/2	62.20
24459	1 1/32	3	11 1/8	6 1/2	59.85
24460	1 3/64	3	11 1/4	6 5/8	65.35
24461	1 1/16	3	11 1/4	6 5/8	62.20
24462	1 5/64	4	12 1/2	6 7/8	75.30
24463	1 3/32	4	12 1/2	6 7/8	72.55
24464	1 7/64	4	12 3/4	7 1/8	78.40
24465	1 1/8	4	12 3/4	7 1/8	76.25
24466	1 9/64	4	12 7/8	7 1/4	83.05
24467	1 5/32	4	12 7/8	7 1/4	79.05
24468	1 11/64	4	13	7 3/8	83.95
24469	1 3/16	4	13	7 3/8	83.05
24470	1 13/64	4	13 1/8	7 1/2	89.85
24471	1 7/32	4	13 1/8	7 1/2	88.55
24472	1 15/64	4	13 1/2	7 7/8	98.00
24473	1 1/4	4	13 1/2	7 7/8	93.50
24474	1 17/64	4	14 1/8	8 1/2	113.00
24475	1 9/32	4	14 1/8	8 1/2	111.95
24476	1 19/64	4	14 1/4	8 5/8	124.30
24477	1 5/16	4	14 1/4	8 5/8	113.90
24478	1 21/64	4	14 3/8	8 3/4	124.35
24479	1 11/32	4	14 3/8	8 3/4	120.30
24480	1 23/64	4	14 1/2	8 7/8	127.10
24481	1 3/8	4	14 1/2	8 7/8	122.05
24482	1 25/64	4	14 5/8	9	130.70

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details

TAPER SHANK TWIST DRILLS CONTINUED



No. D209

Catalog EDI-Number	Taper Shank Dia.	Taper Shank No.	Approx. Twist Length OAL	List Price
24483	1 13/32	4	14 5/8 9	\$130.70
24484	1 27/64	4	14 3/4 9 1/8	135.10
24485	1 7/16	4	14 3/4 9 1/8	132.05
24486	1 29/64	4	14 7/8 9 1/4	142.15
24487	1 15/32	4	14 7/8 9 1/4	140.70
24488	1 31/64	4	15 9 3/8	145.15
24489	1 1/2	4	15 9 3/8	141.65
24490	1 33/64	5	16 3/8 9 3/8	163.80
24491	1 17/32	5	16 3/8 9 3/8	171.35
24492	1 35/64	5	16 5/8 9 5/8	185.45
24493	1 9/16	5	16 5/8 9 5/8	189.40
24494	1 37/64	5	16 7/8 9 7/8	199.25
24495	1 19/32	5	16 7/8 9 7/8	204.25
24496	1 39/64	5	17 10	214.40
24497	1 5/8	5	17 10	218.65
24498	1 41/64	5	17 1/8 10 1/8	227.25
24499	1 21/32	5	17 1/8 10 1/8	233.10
24500	1 43/64	5	17 1/8 10 1/8	243.40
24501	1 11/16	5	17 1/8 10 1/8	243.95
24502	1 45/64	5	17 1/8 10 1/8	254.60
24503	1 23/32	5	17 1/8 10 1/8	214.40
24504	1 47/64	5	17 1/8 10 1/8	219.75
24505	1 3/4	5	17 1/8 10 1/8	218.65
24506	1 25/32	5	17 1/8 10 1/8	227.25
24507	1 13/16	5	17 1/8 10 1/8	233.10
24508	1 27/32	5	17 1/8 10 1/8	243.40
24509	1 7/8	5	17 3/8 10 1/4	243.95
24510	1 29/32	5	17 3/8 10 1/4	254.55
24511	1 15/16	5	17 3/8 10 1/4	262.40

Catalog EDI-Number	Taper Shank Dia.	Taper Shank No.	Approx. Twist Length OAL	List Price
24512	1 31/32	5	17 3/8 10 1/4	\$267.20
24513	2	5	17 3/8 10 1/4	270.40
24514	2 1/32	5	17 3/8 10 1/4	286.25
24515	2 1/16	5	17 3/8 10 1/4	288.45
24516	2 3/32	5	17 3/8 10 1/4	305.15
24517	2 1/8	5	17 3/8 10 1/4	305.15
24518	2 5/32	5	17 3/8 10 1/4	325.40
24519	2 3/16	5	17 3/8 10 1/4	331.15
24520	2 7/32	5	17 3/8 10 5/8	343.20
24521	2 1/4	5	17 3/8 10 5/8	345.80
24522	2 5/16	5	17 3/8 10 5/8	369.10
24523	2 3/8	5	17 3/8 10 5/8	383.65
24524	2 7/16	5	18 3/4 11 1/4	484.45
24525	2 1/2	5	18 3/4 11 1/4	500.05
24526	2 9/16	5	19 1/2 11 7/8	546.10
24527	2 5/8	5	19 1/2 11 7/8	585.75
24528	2 11/16	5	20 3/8 12 3/4	629.70
24529	2 3/4	5	20 3/8 12 3/4	651.90
24530	2 13/16	5	21 1/8 13 3/8	825.00
24531	2 7/8	5	21 1/8 13 3/8	748.65
24532	2 15/16	5	21 3/4 14	788.30
24533	3	5	21 3/4 14	823.60
24534	3 1/16	6	24 1/2 14 5/8	883.15
24535	3 1/8	6	24 1/2 14 5/8	938.10
24536	3 3/16	6	24 1/2 14 5/8	1,013.25
24537	3 1/4	6	25 1/2 15 1/2	1,070.15
24538	3 5/16	6	25 1/2 15 1/2	1,237.15
24539	3 3/8	6	25 1/2 15 1/2	1,458.05
24540	3 7/16	6	25 1/2 15 1/2	1,537.95
24541	3 1/2	6	26 1/2 16 3/8	1,718.60

TAPER SHANK TWIST DRILLS SHANKS LARGER THAN REGULAR HIGH SPEED STEEL



No. L209

Catalog EDI-Number	Taper Shank Dia.	Taper Shank No.	Approx. Twist Length OAL	List Price
24601	3/8	2	7 3/8 3 1/2	\$16.60
24602	25/64	2	7 1/2 3 5/8	17.30
24603	13/32	2	7 1/2 3 5/8	17.65
24604	27/64	2	7 3/4 3 7/8	17.30
24605	7/16	2	7 3/4 3 7/8	18.20
24606	29/64	2	8 4 1/8	18.70
24607	15/32	2	8 4 1/8	19.70
24608	41/64	3	9 3/4 5 1/8	32.95
24609	21/32	3	9 3/4 5 1/8	33.35
24610	43/64	3	10 5 3/8	35.40

Catalog EDI-Number	Taper Shank Dia.	Taper Shank No.	Approx. Twist Length OAL	List Price
24611	11/16	3	10 5 3/8	\$36.60
24612	45/64	3	10 1/4 5 5/8	38.30
24613	23/32	3	10 1/4 5 5/8	39.25
24614	47/64	3	10 1/2 5 7/8	41.45
24615	3/4	3	10 1/2 5 7/8	41.90
24616	49/64	3	10 5/8 6	46.00
24617	25/32	3	10 5/8 6	46.00
24618	1	4	12 6 3/8	65.85
24619	1 1/32	4	12 1/8 6 1/2	72.20
24620	1 1/16	4	12 1/4 6 5/8	77.50

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details

TAPER SHANK TWIST DRILLS SHANKS SMALLER THAN REGULAR

HIGH SPEED STEEL

Catalog EDI-Number	Dia.	Taper Shank No.	OAL	Approx. Twist Length	List Price
24651	31/64	1	7 3/4	4 3/8	\$19.70
24652	1/2	1	7 3/4	4 3/8	18.70
24653	33/64	1	8	4 5/8	21.65
24654	17/32	1	8	4 5/8	21.65
24655	35/64	1	8 1/4	4 7/8	23.10
24656	9/16	1	8 1/4	4 7/8	23.70
24657	51/64	2	10	6 1/8	42.45
24658	13/16	2	10	6 1/8	42.15
24659	53/64	2	10	6 1/8	45.05
24660	27/32	2	10	6 1/8	45.05
24661	55/64	2	10	6 1/8	47.10
24662	7/8	2	10	6 1/8	46.45
24663	57/64	2	10	6 1/8	48.50
24664	29/32	2	10	6 1/8	48.50
24665	1 5/64	3	11 1/2	6 7/8	75.05
24666	1 3/32	3	11 1/2	6 7/8	71.50
24667	1 7/64	3	11 3/4	7 1/8	76.15
24668	1 1/8	3	11 3/4	7 1/8	74.35
24669	1 9/64	3	11 7/8	7 1/4	81.00
24670	1 5/32	3	11 7/8	7 1/4	81.00
24671	1 11/64	3	12	7 3/8	81.80
24672	1 3/16	3	12	7 3/8	80.85
24673	1 13/64	3	12 1/8	7 1/2	87.80
24674	1 7/32	3	12 1/8	7 1/2	86.80
24675	1 15/64	3	12 1/2	7 7/8	95.70
24676	1 1/4	3	12 1/2	7 7/8	95.30



No. S209

Catalog EDI-Number	Dia.	Taper Shank No.	OAL	Approx. Twist Length	List Price
24677	1 33/64	4	15	9 3/8	\$155.50
24678	1 17/32	4	15	9 3/8	153.70
24679	1 35/64	4	15 1/4	9 5/8	164.60
24680	1 9/16	4	15 1/4	9 5/8	164.60
24681	1 37/64	4	15 1/2	9 7/8	175.85
24682	1 19/32	4	15 1/2	9 7/8	175.85
24683	1 39/64	4	15 5/8	10	182.60
24684	1 5/8	4	15 5/8	10	179.90
24685	1 41/64	4	15 3/4	10 1/8	197.00
24686	1 21/32	4	15 3/4	10 1/8	195.95
24687	1 43/64	4	15 3/4	10 1/8	204.40
24688	1 11/16	4	15 3/4	10 1/8	201.70
24689	1 45/64	4	15 3/4	10 1/8	210.50
24690	1 23/32	4	15 3/4	10 1/8	200.60
24691	1 47/64	4	16 1/4	10 3/8	208.80
24692	1 3/4	4	16 1/4	10 3/8	203.40
24693	1 25/32	4	16 1/4	10 3/8	215.55
24694	1 13/16	4	16 1/4	10 3/8	215.90
24695	1 27/32	4	16 1/4	10 3/8	223.80
24696	1 7/8	4	16 1/2	10 1/2	232.95
24697	1 29/32	4	16 1/2	10 1/2	240.50
24698	1 15/16	4	16 5/8	10 5/8	243.95
24699	1 31/32	4	16 5/8	10 5/8	251.40
24700	2	4	16 5/8	10 5/8	254.60
24701	3 1/8	5	22	14 1/4	940.25
24702	3 1/4	5	23	15 1/4	1,070.20
24703	3 1/2	5	24	16 1/4	1,409.40

MASONRY DRILLS FAST SPIRAL ~ STANDARD LENGTH

CARBIDE TIPPED

For drilling brick, concrete, plaster, etc

Catalog EDI-Number	Dia. Inches	Shank OAL	Shank Dia.	List Price
25211	1/8	3	1/8	\$6.85
25212	11/64	3	11/64	6.85
25213	3/16	3	3/16	6.70
25214	15/64	4	15/64	6.85
25215	1/4	4	1/4	6.70
25216	1/4	6	1/4	7.45
25217	9/32	4	1/4	7.45
25218	9/32	6	1/4	8.05
25219	5/16	4	1/4	7.45
25220	5/16	6	1/4	8.30
25221	3/8	4	1/4	8.30



No. D88

Catalog EDI-Number	Dia. Inches	Shank OAL	Shank Dia.	List Price
25222	3/8	6	1/4	\$8.30
25223	7/16	4	1/4	8.95
25224	7/16	6	1/4	9.30
25225	1/2	4	1/4	9.30
25226	1/2	6	3/8	10.10
25227	9/16	6	1/2	13.10
25228	5/8	6	1/2	14.45
25229	11/16	6	1/2	15.75
25230	3/4	6	1/2	17.90
25231	7/8	6	1/2	22.10
25232	1	6	1/2	27.45

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details

TAPER SHANK CORE DRILLS HIGH SPEED STEEL

Used to enlarge cored, drilled, or punched holes. They will not drill solid metal.



THREE FLUTE ~ No. D211

Catalog EDI-Number	Size	Morse Taper Shank	Flute Length	OAL	List Price
24831	1/4	1	2 7/8	6 1/8	\$20.90
24832	9/32	1	3	6 1/4	21.05
24833	5/16	1	3 1/8	6 3/8	22.35
24834	11/32	1	3 1/4	6 1/2	27.05
24835	3/8	1	3 1/2	6 3/4	27.05
24836	13/32	1	3 5/8	7	25.90
24837	7/16	1	3 7/8	7 1/4	27.05
24838	15/32	1	4 1/8	7 1/2	28.80
24839	1/2	2	4 3/8	8 1/4	30.50
24840	17/32	2	4 5/8	8 1/2	32.75
24841	9/16	2	4 7/8	8 3/4	35.50
24842	19/32	2	4 7/8	8 3/4	37.20
24843	5/8	2	4 7/8	8 3/4	39.85
24844	21/32	2	5 1/8	9	42.75
24845	11/16	2	5 3/8	9 1/4	46.45
24846	23/32	2	5 5/8	9 1/2	49.30

Catalog EDI-Number	Size	Morse Taper Shank	Flute Length	OAL	List Price
24847	3/4	2	5 7/8	9 3/4	\$52.55
24848	25/32	2	6	9 7/8	56.40
24849	13/16	3	6 1/8	10 3/4	64.30
24850	27/32	3	6 1/8	10 3/4	64.05
24851	7/8	3	6 1/8	10 3/4	69.20
24852	29/32	3	6 1/8	10 3/4	72.00
24853	15/16	3	6 1/8	10 3/4	74.90
24854	31/32	3	6 3/8	11	91.40
24855	1	3	6 3/8	11	87.00
24856	1 1/32	3	6 1/2	11 1/8	93.10
24857	1 1/16	3	6 1/2	11 1/8	98.20
24858	1 3/32	4	6 7/8	12 1/2	109.00
24859	1 1/8	4	7 1/8	12 3/4	115.55
24860	1 5/32	4	7 1/4	12 7/8	122.10
24861	1 3/16	4	7 3/8	13	129.30
24862	1 7/32	4	7 1/2	13 1/8	171.70
24863	1 1/4	4	7 7/8	13 1/2	148.70



FOUR FLUTE ~ No. D212

Catalog EDI-Number	Size	Morse Taper Shank	Flute Length	OAL	List Price
24881	1/2	2	4 3/8	8 1/4	\$31.15
24882	17/32	2	4 5/8	8 1/2	31.95
24883	9/16	2	4 7/8	8 3/4	34.25
24884	19/32	2	4 7/8	8 3/4	37.70
24885	5/8	2	4 7/8	8 3/4	39.90
24886	21/32	2	5 1/8	9	49.75
24887	11/16	2	5 3/8	9 1/4	45.55
24888	23/32	2	5 5/8	9 1/2	49.30
24889	3/4	2	5 7/8	9 3/4	52.55
24890	25/32	2	6	9 7/8	56.40
24891	13/16	3	6 1/8	10 3/4	74.85
24892	27/32	3	6 1/8	10 3/4	67.20
24893	7/8	3	6 1/8	10 3/4	70.10
24894	29/32	3	6 1/8	10 3/4	73.40
24895	15/16	3	6 1/8	10 3/4	75.90
24896	31/32	3	6 3/8	11	84.95
24897	1	3	6 3/8	11	86.80
24898	1 1/32	3	6 1/2	11 1/8	95.60
24899	1 1/16	3	6 1/2	11 1/8	99.55
24900	1 3/32	4	6 7/8	12 1/2	111.55
24901	1 1/8	4	7 1/8	12 3/4	118.35
24902	1 5/32	4	7 1/4	12 7/8	125.15
24903	1 3/16	4	7 3/8	13	130.85
24904	1 7/32	4	7 1/2	13 1/8	138.95
24905	1 1/4	4	7 7/8	13 1/2	148.35
24906	1 9/32	4	8	14 1/8	175.30
24907	1 5/16	4	8 5/8	14 1/4	181.95
24908	1 11/32	4	8 3/4	14 3/8	188.85
24909	1 3/8	4	8 7/8	14 1/2	192.95
24910	1 13/32	4	9	14 5/8	202.30
24911	1 7/16	4	9 1/8	14 3/4	212.50
24912	1 15/32	4	9 1/4	14 7/8	222.65
24913	1 1/2	4	9 3/8	15	229.40

Catalog EDI-Number	Size	Morse Taper Shank	Flute Length	OAL	List Price
24914	1 17/32	5	9 3/8	16 3/8	\$257.80
24915	1 9/16	5	9 5/8	16 5/8	275.35
24916	1 19/32	5	9 7/8	16 7/8	277.85
24917	1 5/8	5	10	17	297.95
24918	1 21/32	5	10 1/8	17 1/8	309.55
24919	1 11/16	5	10 1/8	17 1/8	321.05
24920	1 23/32	5	10 1/8	17 1/8	332.25
24921	1 3/4	5	10 1/8	17 1/8	341.20
24922	1 25/32	5	10 1/8	17 1/8	355.95
24923	1 13/16	5	10 1/8	17 1/8	366.10
24924	1 27/32	5	10 1/8	17 1/8	375.70
24925	1 7/8	5	10 3/8	17 3/8	397.95
24926	1 29/32	5	10 3/8	17 3/8	416.30
24927	1 15/16	5	10 3/8	17 3/8	424.00
24928	1 31/32	5	10 3/8	17 3/8	435.10
24929	2	5	10 3/8	17 3/8	450.05
24930	2 1/32	5	10 3/8	17 3/8	492.60
24931	2 1/16	5	10 1/4	17 3/8	496.85
24932	2 1/8	5	10 1/4	17 3/8	510.85
24933	2 3/16	5	10 1/4	17 3/8	535.45
24934	2 1/4	5	10 1/8	17 3/8	545.70
24935	2 5/16	5	10 1/8	17 3/8	596.70
24936	2 3/8	5	10 1/8	17 3/8	613.35
24937	2 7/16	5	11 1/4	18 3/4	746.65
24938	2 1/2	5	11 1/4	18 3/4	756.75
24939	2 9/16	5	11 7/8	19 1/2	875.85
24940	2 5/8	5	11 7/8	19 1/2	929.45
24941	2 11/16	5	12 3/4	20 3/8	1,021.20
24942	2 3/4	5	12 3/4	20 3/8	1,078.60
24943	2 13/16	5	13 3/8	21 1/8	1,174.25
24944	2 7/8	5	13 3/8	21 1/8	1,286.75
24945	2 15/16	5	14	21 3/4	1,300.40
24946	3	5	14	21 3/4	1,392.80

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details



STRAIGHT SHANK CORE DRILLS HIGH SPEED STEEL

Used to enlarge a hole previously drilled, cored, or punched. Will not drill solid metal.



D254 FOUR FLUTE

D253 THREE FLUTE

Catalog EDI-Number	Size	Decimal Equiv.	Flute Length	OAL	List Price
24971	1/4	.2500	3 3/4	6 1/8	\$22.20
24972	9/32	.2812	3 7/8	6 1/4	22.45
24973	5/16	.3125	4	6 3/8	23.80
24974	11/32	.3438	4 1/8	6 1/2	24.25
24975	3/8	.3750	4 1/4	6 3/4	26.20
24976	13/32	.4062	4 3/8	7	27.50
24977	7/16	.4375	4 5/8	7 1/4	28.80
24978	15/32	.4688	4 3/4	7 1/2	30.70
24979	1/2	.5000	4 3/4	7 3/4	34.10
24980	17/32	.5312	4 3/4	8	36.50
24981	9/16	.5625	4 7/8	8 1/4	39.75
24982	19/32	.5938	4 7/8	8 3/4	41.45
24983	5/8	.6250	4 7/8	8 3/4	44.50
24984	21/32	.6562	5 1/8	9	47.50
24985	11/16	.6875	5 3/8	9 1/4	51.90
24986	23/32	.7188	5 5/8	9 1/2	55.35
24987	3/4	.7500	5 7/8	9 3/4	58.75
24988	25/32	.7812	6	9 7/8	*
24989	13/16	.8125	6 1/8	10	*
24990	27/32	.8438	6 1/8	10	*
24991	7/8	.8750	6 1/8	10	*
24992	29/32	.9062	6 1/8	10	*
24993	15/16	.9375	6 1/8	10 3/4	*
24994	31/32	.9688	6 3/8	11	*
24995	1	1.0000	6 3/8	11	*
24996	1 1/32	1.0312	6 1/2	11 1/8	*
24997	1 1/16	1.0625	6 5/8	11 1/4	*
24998	1 3/32	1.0938	6 7/8	11 1/2	*
24999	1 1/8	1.1250	7 1/8	11 3/4	*
25000	1 1/4	1.2500	7 7/8	12 1/2	*

Catalog EDI-Number	Size	Decimal Equiv.	Flute Length	OAL	List Price
25083	1/4	.2500	3 3/4	6 1/8	*
25084	9/32	.2812	3 7/8	6 1/4	*
25085	5/16	.3125	4	6 3/8	*
25086	11/32	.3438	4 1/8	6 1/2	*
25087	3/8	.3750	4 1/4	6 3/4	*
25088	13/32	.4062	4 3/8	7	*
25089	7/16	.4375	4 5/8	7 1/4	*
25090	15/32	.4688	4 3/4	7 1/2	*
25091	1/2	.5000	4 3/4	7 3/4	\$33.70
25092	17/32	.5312	4 3/4	8	35.00
25093	9/16	.5625	4 7/8	8 1/4	37.55
25094	19/32	.5938	4 7/8	8 3/4	41.30
25095	5/8	.6250	4 7/8	8 3/4	43.65
25096	21/32	.6562	5 1/8	9	46.80
25097	11/16	.6875	5 3/8	9 1/4	49.85
25098	23/32	.7188	5 5/8	9 1/2	53.15
25099	3/4	.7500	5 7/8	9 3/4	57.60
25100	25/32	.7812	6	9 7/8	61.70
25101	13/16	.8125	6 1/8	10	70.45
25102	27/32	.8438	6 1/8	10	73.60
25103	7/8	.8750	6 1/8	10	76.75
25104	29/32	.9062	6 1/8	10	80.40
25105	15/16	.9375	6 1/8	10 3/4	83.15
25106	31/32	.9688	6 3/8	11	93.05
25107	1	1.0000	6 3/8	11	97.35
25108	1 1/32	1.0312	6 1/2	11 1/8	109.45
25109	1 1/16	1.0625	6 5/8	11 1/4	112.85
25110	1 3/32	1.0938	6 7/8	11 1/2	126.50
25111	1 1/8	1.1250	7 1/8	11 3/4	135.25
25112	1 1/4	1.2500	7 7/8	12 1/2	173.70

*Prices on application



INDEXABLE COOLANT FED DRILLS

Catalog EDI-Number	Drill Dia.	Max. Depth	OAL	Proj.	Shank Length	Shank Dia	List Price
36010	5/8	1 1/4	5 5/8	2 5/8	3	1	\$249.60
36012	5/8	1 7/8	6 1/4	3 1/4	3	1	271.60
36014	5/8	2 1/2	6 7/8	3 7/8	3	1	289.00
36016	3/4	1 1/2	5 7/8	2 7/8	3	1	264.85
36018	3/4	2 1/4	6 5/8	3 5/8	3	1	278.45
36020	3/4	3	7 3/8	4 3/8	3	1	298.60
36022	1	2	6 3/8	3 3/8	3	1 1/4	291.40
36024	1	3	7 3/8	4 3/8	3	1 1/4	311.50
36026	1	4	8 3/8	5 3/8	3	1 1/4	322.60
36028	1 1/4	2 1/2	6 7/8	3 7/8	3	1 1/2	319.10
36030	1 1/4	3 3/4	8.128	5.128	3	1 1/2	336.00
36032	1 1/4	5	9 3/8	6 3/8	3	1 1/2	336.45
36034	1 3/8	2 3/4	7 1/8	4 1/8	3	1 1/2	341.40
36036	1 3/8	4 1/8	8 1/4	5 1/2	3	1 1/2	370.40
36038	1 3/8	5 1/2	9 7/8	6 7/8	3	1 1/2	396.85

Catalog EDI-Number	Drill Dia.	Max. Depth	OAL	Proj.	Shank Length	Shank Dia	List Price
36040	1 1/2	3	7 3/8	4 3/8	3	1 1/2	\$357.80
36042	1 1/2	4 1/2	8 7/8	5 7/8	3	1 1/2	382.80
36044	1 1/2	6	10 3/8	7 3/8	3	1 1/2	414.40
36046	1 3/4	3 1/2	7 7/8	4 7/8	3	1 1/2	368.30
36048	1 3/4	5 1/4	9 5/8	6 5/8	3	1 1/2	390.25
36050	1 3/4	7	11 3/8	8 3/8	3	1 1/2	416.10
36052	2	4	8 3/8	5 3/8	3	1 1/2	379.00
36054	2	6	10 3/8	7 3/8	3	1 1/2	398.20
36056	2	8	12 3/8	9 3/8	3	1 1/2	597.85
36058	2 1/4	4 1/2	8 7/8	5 7/8	3	1 1/2	439.90
36060	2 1/4	6 3/4	11 1/8	8 1/8	3	1 1/2	474.60
36062	2 1/4	9	13 3/8	10 3/8	3	1 1/2	658.90
36064	2 3/8	4 3/8	9 1/8	6 1/8	3	1 1/2	344.60
36066	2 3/8	7 1/8	11 1/2	8 1/2	3	1 1/2	476.85
36068	2 3/8	9 1/2	13 7/8	10 7/8	3	1 1/2	673.00

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details



DRILL SETS ~ In Indexed Cases

JOBBER'S LENGTH GENERAL PURPOSE DRILLS
Straight Shank ~ High Speed Steel

Catalog EDI-Number	Size Range	Set No.	List Price
25251	1/16 to 1/2 by 64THS	29J	\$126.20
25252	1/16 to 1/2 by 32NDS	15J	68.80
25253	Nos. 1 to 60	60J	98.00
25254	A to Z	26J	128.50
25255	1/16 to 1/4 by 64THS	13J	25.20
25256	Nos. 61 to 80	20J	34.95



DRILL BLANK SETS ~ In Indexed Cases

JOBBER'S LENGTH ~ High Speed Steel

Catalog EDI-Number	Size Range	Set No.	List Price
25281	1/16 to 1/2 by 64THS	29B	\$174.05
25282	Nos. 1 to 60	15B	144.55
25283	A to Z	26B	154.00
25284	1/16 to 1/4 by 64THS	13B	39.30
25285	Nos. 61 to 80	20B	39.70



D263

DRILL BLANKS LETTER SIZES

High Speed Steel

Tolerances: Under 1/4 +.0000-.0005
1/4 and larger +.0000-.0010

Catalog EDI-Number	Letter Size	Decimal Equiv.	OAL	List Price
26021	A	.2340	3 7/8	\$3.70
26022	B	.2380	4	3.70
26023	C	.2420	4	3.70
26024	D	.2460	4	4.15
26025	E	.2500	4	4.15
26026	F	.2570	4 1/8	4.35
26027	G	.2610	4 1/8	4.35
26028	H	.2660	4 1/8	4.35
26029	I	.2720	4 1/8	4.70
26030	J	.2770	4 1/8	4.70
26031	K	.2810	4 1/4	4.70
26032	L	.2900	4 1/4	4.70
26033	M	.2950	4 3/8	5.10
26034	N	.3020	4 3/8	5.10
26035	O	.3160	4 1/2	5.30
26036	P	.3230	4 5/8	5.90
26037	Q	.3320	4 3/4	5.90
26038	R	.3390	4 3/4	6.30
26039	S	.3480	4 7/8	7.10
26040	T	.3580	4 7/8	7.10
26041	U	.3680	5	7.75
26042	V	.3770	5	7.75
26043	W	.3860	5 1/8	8.10
26044	X	.3970	5 1/8	8.10
26045	Y	.4040	5 1/4	8.90
26046	Z	.4130	5 1/4	8.90



D260

DRILL BLANKS FRACTIONAL SIZES

Hardened and Ground - Manufactured without backtaper. ~ High Speed Steel

Catalog EDI-Number	Fraction Size	Decimal Equiv.	OAL	List Price
25691	1/64	.0156	3/4	\$1.85
25692	1/32	.0312	1 3/8	1.85
25693	3/64	.0469	1 3/4	2.15
25694	1/16	.0625	1 7/8	2.15
25695	5/64	.0781	2	2.20
25696	3/32	.0937	2 1/4	2.20
25697	7/64	.1094	2 5/8	2.20
25698	1/8	.1250	2 3/4	2.20
25699	9/64	.1406	2 7/8	2.20
25700	5/32	.1562	3 1/8	2.50
25701	11/64	.1719	3 1/4	2.50
25702	3/16	.1875	3 1/2	2.80
25703	13/64	.2031	3 5/8	3.15
25704	7/32	.2187	3 3/4	3.50
25705	15/64	.2344	3 7/8	3.50
25706	1/4	.2500	4	4.15
25707	17/64	.2656	4 1/8	4.35
25708	9/32	.2812	4 1/4	4.70
25709	19/64	.2969	4 3/8	5.10
25710	5/16	.3125	4 1/2	5.30
25711	21/64	.3281	4 5/8	5.90
25712	11/32	.3437	4 3/4	6.30
25713	23/64	.3594	4 7/8	7.10
25714	3/8	.3750	5	7.80
25715	25/64	.3906	5 1/8	8.80
25716	13/32	.4062	5 1/4	17.40
25717	27/64	.4219	5 3/8	10.60
25718	7/16	.4375	5 1/2	11.95
25719	29/64	.4531	5 5/8	12.20
25720	15/32	.4687	5 3/4	12.55
25721	31/64	.4844	5 7/8	14.30
25722	1/2	.5000	6	15.05

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details



DRILL BLANKS WIRE GAGE SIZES HIGH SPEED STEEL

D262

Catalog EDI-Number	Wire		OAL	List Price
	Gage Size	Decimal Equiv.		
25741	1	.2280	3 7/8	\$3.80
25742	2	.2210	3 7/8	3.80
25743	3	.2130	3 3/4	3.80
25744	4	.2090	3 3/4	3.80
25745	5	.2055	3 3/4	3.80
25746	6	.2040	3 3/4	3.45
25747	7	.2010	3 5/8	3.45
25748	8	.1990	3 5/8	3.45
25749	9	.1960	3 5/8	3.45
25750	10	.1935	3 5/8	3.45
25751	11	.1910	3 1/2	2.80
25752	12	.1890	3 1/2	2.80
25753	13	.1850	3 1/2	2.80
25754	14	.1820	3 3/8	2.80
25755	15	.1800	3 3/8	2.80
25756	16	.1770	3 3/8	2.50
25757	17	.1730	3 3/8	2.50
25758	18	.1695	3 1/4	2.50
25759	19	.1660	3 1/4	2.50
25760	20	.1610	3 1/4	2.50
25761	21	.1590	3 1/4	2.50
25762	22	.1570	3 1/8	2.50
25763	23	.1540	3 1/8	2.50
25764	24	.1520	3 1/8	2.50
25765	25	.1495	3	2.50
25766	26	.1470	3	2.20
25767	27	.1440	3	2.20
25768	28	.1405	2 7/8	2.20
25769	29	.1360	2 7/8	2.20
25770	30	.1285	2 3/4	2.20
25771	31	.1200	2 3/4	2.20
25772	32	.1160	2 3/4	2.20
25773	33	.1130	2 5/8	2.20
25774	34	.1110	2 5/8	2.20
25775	35	.1100	2 5/8	2.20
25776	36	.1065	2 1/2	2.20
25777	37	.1040	2 1/2	2.20
25778	38	.1015	2 1/2	2.20
25779	39	.0995	2 3/8	2.20
25780	40	.0980	2 3/8	2.15

Catalog EDI-Number	Wire		OAL	List Price
	Gage Size	Decimal Equiv.		
25781	41	.0960	2 3/8	\$2.15
25782	42	.0935	2 1/4	2.15
25783	43	.0890	2 1/4	2.15
25784	44	.0860	2 1/8	2.15
25785	45	.0820	2 1/8	2.15
25786	46	.0810	2 1/8	2.15
25787	47	.0785	2	2.15
25788	48	.0760	2	2.15
25789	49	.0730	2	2.15
25790	50	.0700	2	2.15
25791	51	.0670	2	2.15
25792	52	.0635	1 7/8	2.15
25793	53	.0595	1 7/8	2.15
25794	54	.0550	1 7/8	2.15
25795	55	.0520	1 7/8	2.15
25796	56	.0465	1 3/4	2.15
25797	57	.0430	1 3/4	2.15
25798	58	.0420	1 5/8	2.15
25799	59	.0410	1 5/8	2.15
25800	60	.0400	1 5/8	2.15
25801	61	.0390	1 5/8	1.85
25802	62	.0380	1 1/2	1.85
25803	63	.0370	1 1/2	1.85
25804	64	.0360	1 1/2	1.85
25805	65	.0350	1 1/2	1.85
25806	66	.0330	1 3/8	1.85
25807	67	.0320	1 3/8	1.85
25808	68	.0310	1 3/8	1.85
25809	69	.0292	1 3/8	1.85
25810	70	.0280	1 1/4	1.85
25811	71	.0260	1 1/4	1.85
25812	72	.0250	1 1/8	1.85
25813	73	.0240	1 1/8	1.85
25814	74	.0225	1	1.85
25815	75	.0210	1	1.85
25816	76	.0200	7/8	1.85
25817	77	.0180	7/8	1.85
25818	78	.0160	7/8	1.85
25819	79	.0145	3/4	1.85
25820	80	.0135	3/4	1.85

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details



REAMER BLANKS LETTER SIZES

Tolerances:

All sizes +.0002-.0000

D266

Catalog EDI-Number	Letter Size	Decimal Equiv.	OAL	List Price
26071	A	.2340	3 7/8	\$4.00
26072	B	.2380	4	4.00
26073	C	.2420	4	4.00
26074	D	.2460	4	4.50
26075	E	.2500	4	4.50
26076	F	.2570	4 1/8	4.75
26077	G	.2610	4 1/8	4.75
26078	H	.2660	4 1/8	4.75
26079	I	.2720	4 1/8	5.10
26080	J	.2770	4 1/8	5.10
26081	K	.2810	4 1/4	5.10
26082	L	.2900	4 1/4	5.10
26083	M	.2950	4 3/8	5.55

Catalog EDI-Number	Letter Size	Decimal Equiv.	OAL	List Price
26084	N	.3020	4 3/8	\$5.55
26085	O	.3160	4 1/2	5.75
26086	P	.3230	4 5/8	6.40
26087	Q	.3320	4 3/4	6.40
26088	R	.3390	4 3/4	6.80
26089	S	.3480	4 7/8	7.75
26090	T	.3580	4 7/8	7.75
26091	U	.3680	5	8.40
26092	V	.3770	5	8.40
26093	W	.3860	5 1/8	8.80
26094	X	.3970	5 1/8	8.80
26095	Y	.4040	5 1/4	9.65
26096	Z	.4130	5 1/4	9.65



REAMER BLANKS FRACTIONAL SIZES

Tolerances:

All sizes +.0002-.0000

D264

Catalog EDI-Number	Fraction Size	Decimal Equiv.	OAL	List Price
25841	1/64	.0156	3/4	\$1.85
25842	1/32	.0312	1 3/8	1.85
25843	3/64	.0469	1 3/4	2.15
25844	1/16	.0625	1 7/8	2.15
25845	5/64	.0781	2	2.20
25846	3/32	.0937	2 1/4	2.20
25847	7/64	.1094	2 5/8	2.20
25848	1/8	.1250	2 3/4	2.20
25849	9/64	.1406	2 7/8	2.20
25850	5/32	.1562	3 1/8	2.50
25851	11/64	.1719	3 1/4	2.50
25852	3/16	.1875	3 1/2	2.80
25853	13/64	.2031	3 5/8	3.15
25854	7/32	.2187	3 3/4	3.50
25855	15/64	.2344	3 7/8	3.50
25856	1/4	.2500	4	4.15

Catalog EDI-Number	Fraction Size	Decimal Equiv.	OAL	List Price
25857	17/64	.2656	4 1/8	\$4.35
25858	9/32	.2812	4 1/4	4.70
25859	19/64	.2969	4 3/8	5.10
25860	5/16	.3125	4 1/2	5.30
25861	21/64	.3281	4 5/8	5.90
25862	11/32	.3437	4 3/4	6.30
25863	23/64	.3594	4 7/8	7.10
25864	3/8	.3750	5	7.80
25865	25/64	.3906	5 1/8	8.80
25866	13/32	.4062	5 1/4	17.40
25867	27/64	.4219	5 3/8	10.60
25868	7/16	.4375	5 1/2	11.95
25869	29/64	.4531	5 5/8	12.20
25870	15/32	.4687	5 3/4	12.55
25871	31/64	.4844	5 7/8	14.30
25872	1/2	.5000	6	15.05

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details



REAMER BLANKS WIRE GAGE SIZES HIGH SPEED STEEL

D265

Catalog EDI-Number	Letter Size	Decimal Equiv.	OAL	List Price
25891	1	.2280	3 7/8	\$3.80
25892	2	.2210	3 7/8	3.80
25893	3	.2130	3 3/4	3.80
25894	4	.2090	3 3/4	3.80
25895	5	.2055	3 3/4	3.80
25896	6	.2040	3 3/4	3.45
25897	7	.2010	3 5/8	3.45
25898	8	.1990	3 5/8	3.45
25899	9	.1960	3 5/8	3.45
25900	10	.1935	3 5/8	3.45
25901	11	.1910	3 1/2	2.80
25902	12	.1890	3 1/2	2.80
25903	13	.1850	3 1/2	2.80
25904	14	.1820	3 3/8	2.80
25905	15	.1800	3 3/8	2.80
25906	16	.1770	3 3/8	2.50
25907	17	.1730	3 3/8	2.50
25908	18	.1695	3 1/4	2.50
25909	19	.1660	3 1/4	2.50
25910	20	.1610	3 1/4	2.50
25911	21	.1590	3 1/4	2.50
25912	22	.1570	3 1/8	2.50
25913	23	.1540	3 1/8	2.50
25914	24	.1520	3 1/8	2.50
25915	25	.1495	3	2.50
25916	26	.1470	3	2.20
25917	27	.1440	3	2.20
25918	28	.1405	2 7/8	2.20
25919	29	.1360	2 7/8	2.20
25920	30	.1285	2 3/4	2.20
25921	31	.1200	2 3/4	2.20
25922	32	.1160	2 3/4	2.20
25923	33	.1130	2 5/8	2.20
25924	34	.1110	2 5/8	2.20
25925	35	.1100	2 5/8	2.20
25926	36	.1065	2 1/2	2.20
25927	37	.1040	2 1/2	2.20
25928	38	.1015	2 1/2	2.20
25929	39	.0995	2 3/8	2.20
25930	40	.0980	2 3/8	2.15

Catalog EDI-Number	Letter Size	Decimal Equiv.	OAL	List Price
25931	41	.0960	2 3/8	\$2.15
25932	42	.0935	2 1/4	2.15
25933	43	.0890	2 1/4	2.15
25934	44	.0860	2 1/8	2.15
25935	45	.0820	2 1/8	2.15
25936	46	.0810	2 1/8	2.15
25937	47	.0785	2	2.15
25938	48	.0760	2	2.15
25939	49	.0730	2	2.15
25940	50	.0700	2	2.15
25941	51	.0670	2	2.15
25942	52	.0635	1 7/8	2.15
25943	53	.0595	1 7/8	2.15
25944	54	.0550	1 7/8	2.15
25945	55	.0520	1 7/8	2.15
25946	56	.0465	1 3/4	2.15
25947	57	.0430	1 3/4	2.15
25948	58	.0420	1 5/8	2.15
25949	59	.0410	1 5/8	2.15
25950	60	.0400	1 5/8	2.15
25951	61	.0390	1 5/8	1.85
25952	62	.0380	1 1/2	1.85
25953	63	.0370	1 1/2	1.85
25954	64	.0360	1 1/2	1.85
25955	65	.0350	1 1/2	1.85
25956	66	.0330	1 3/8	1.85
25957	67	.0320	1 3/8	1.85
25958	68	.0310	1 3/8	1.85
25959	69	.0292	1 3/8	1.85
25960	70	.0280	1 1/4	1.85
25961	71	.0260	1 1/4	1.85
25962	72	.0250	1 1/8	1.85
25963	73	.0240	1 1/8	1.85
25964	74	.0225	1	1.85
25965	75	.0210	1	1.85
25966	76	.0200	7/8	1.85
25967	77	.0180	7/8	1.85
25968	78	.0160	7/8	1.85
25969	79	.0145	3/4	1.85
25970	80	.0135	3/4	1.85

COATINGS AVAILABLE ON EVERY TOOL ** See Page 161 for details