

# 1/2" Reduced Shank Silver & Deming Drills

## 118° Point - High Speed Steel

Expand the size range capacity of 1/2" drill chucks. Recommended for drilling a wide range of materials of low to medium tensile strength.

Foret à tige réduite



List No. 1424R  
Round Shank

List No. 1424  
3-Flat Shank for positive hold

Broca de zanco reducido



List No. 1424S  
3-Flat Shank for positive hold.

118° Self-Centering Split Point reduces "wandering" and thrust.

Black & Gold "MorseKut" Finish enhances performance and abrasion resistance.

STANDARD PACKAGE All sizes — 1 each

SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	LIST 1424R EDP NO.	LIST 1424 EDP NO.	LIST 1424S EDP NO.
33/64	.5156	3 1/8	6	17031	—	19031
17/32	.5312	3 1/8	6	17032	—	19032
35/64	.5469	3 1/8	6	17033	—	19033
9/16	.5625	3 1/8	6	17034	—	19034
37/64	.5781	3 1/8	6	17035	—	19035
19/32	.5938	3 1/8	6	17036	—	19036
39/64	.6094	3 1/8	6	17037	15077*	19037
5/8	.6250	3 1/8	6	17038	—	19038
41/64	.6406	3 1/8	6	17039	—	19039
21/32	.6562	3 1/8	6	17040	—	19040
43/64	.6719	3 1/8	6	17041	15079*	19041
11/16	.6875	3 1/8	6	17042	—	19042
45/64	.7031	3 1/8	6	17043	—	19043
23/32	.7188	3 1/8	6	17044	—	19044
47/64	.7344	3 1/8	6	17045	—	19045
3/4	.7500	3 1/8	6	17046	—	19046
49/64	.7656	3 1/8	6	17047	—	19047
25/32	.7812	3 1/8	6	17048	—	19048
51/64	.7969	3 1/8	6	17049	—	19049
13/16	.8125	3 1/8	6	17050	—	19050
53/64	.8281	3 1/8	6	17051	15084*	19051
27/32	.8438	3 1/8	6	17052	—	19052
55/64	.8594	3 1/8	6	17053	—	19053
7/8	.8750	3 1/8	6	17054	—	19054
57/64	.8902	3 1/8	6	17055	—	19055
29/32	.9062	3 1/8	6	17056	15066*	19056
59/64	.9219	3 1/8	6	17057	—	19057
15/16	.9375	3 1/8	6	17058	15067*	19058
61/64	.9531	3 1/8	6	17059	15088*	19059
31/32	.9688	3 1/8	6	17060	—	19060
63/64	.9844	3 1/8	6	17061	—	19061
1	1.0000	3 1/8	6	17062	—	19062
1 1/64	1.0156	3 1/8	6	17063	—	19063
1 1/32	1.0312	3 1/8	6	17064	15095*	19064
1 3/64	1.0469	3 1/8	6	17065	—	—
1 1/16	1.0625	3 1/8	6	17066	15070*	19065
1 5/64	1.0781	3 1/8	6	17067	—	—
1 3/32	1.0937	3 1/8	6	17068	—	19066
1 7/64	1.1094	3 1/8	6	17069	—	—
1 1/8	1.1250	3 1/8	6	17070	—	19067
1 9/64	1.1406	3 1/8	6	17071	—	—
1 5/32	1.1562	3 1/8	6	17072	15097*	19068
1 11/64	1.1719	3 1/8	6	17073	—	—
1 3/16	1.1875	3 1/8	6	17074	15072*	19069
1 13/64	1.2031	3 1/8	6	17075	—	—
1 7/32	1.2188	3 1/8	6	17076	15098*	19070
1 15/64	1.2344	3 1/8	6	17077	—	—
1 1/4	1.2500	3 1/8	6	17078	—	19071
1 9/32	1.2812	3 1/8	6	17080	—	—
1 5/16	1.3125	3 1/8	6	17082	—	19072

\*Available While Supplies Last

(continued)

# 1/2" Reduced Shank Silver & Deming Drills (continued)

List No. 1424, 1424R, 1424S

Foret à tige réduite

Broca de zanco reducido

SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	LIST 1424R EDP NO.	LIST 1424 EDP NO.	LIST 1424S EDP NO.
1 11/32	1.3438	3 1/8	6	17084	—	—
1 3/8	1.3750	3 1/8	6	17086	15091*	19073
1 25/64	1.3906	3 1/8	6	17087*	—	—
1 13/32	1.4062	3 1/8	6	17088	—	—
1 7/16	1.4375	3 1/8	6	17090	15092*	19074
1 15/32	1.4687	3 1/8	6	17092	—	—
1 1/2	1.5000	3 1/8	6	17094	—	19075

\*Available While Supplies Last

## Cobalt 1/2" Reduced Shank Silver & Deming Drills

130° Helical Point

Heavy duty construction. Cobalt steel offers increased hardness, toughness, wear resistance and heat resistance. Recommended for drilling tough, high tensile strength materials and materials that generate higher cutting temperatures including high alloy steels, ferrous castings, titanium, Inconel, stainless steels and other difficult-to-drill materials.

**STANDARD PACKAGE** All sizes — 1 each

Foret au cobalt

Broca de cobalto



List No. 2424

SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
25/32	.7812	3 1/8	6	15273*
27/32	.8437	3 1/8	6	15275*
7/8	.8750	3 1/8	6	15276*
15/16	.9375	3 1/8	6	15278*
1 1/16	1.1875	3 1/8	6	15283*

\*Available While Supplies Last

## Ambore™ Mighty Bite™ Hole Enlarger

4 Flute

Specifically designed to enlarge holes, preventing hogging usually experienced when using S&D drills. The four flute design offers a good surface finish, improved hole accuracy and allows for increased metal removal rates.

Manufactured with premium tool steel, unique gold and black finish, close tolerance, and 3-flat reduced shanks.

Foret aléteur

Broca sacanúcleos



List No. 1458

**Will not drill solid material.**

**STANDARD PACKAGE** All sizes — 1 each

SIZE	MIN. STARTING HOLE SIZE	DEC. EQUIV.	SHANK DIA.	FLUTE LENGTH	OAL	EDP NO.
3/8	1/4	.3750	3/8	1 7/8	4 5/16	16170
1/2	5/16	.5000	1/2	1 7/8	4 5/16	16171
9/16	3/8	.5625	1/2	1 7/8	4 5/16	16172
5/8	25/64	.6250	1/2	1 7/8	4 5/16	16173
1 1/16	7/16	.6875	1/2	1 7/8	4 5/16	16174
3/4	15/32	.7500	1/2	1 7/8	4 5/16	16175

## 1/4" Reduced Shank Metalworking Drills

### 118° Notched Point — High Speed Steel

Regularly furnished with 118° notched points for use in sheet metal, metal or wood, with portable drills having 1/4" chucks.

Screw machine length for enhanced rigidity, self-centering.

**STANDARD PACKAGE** 1/4" thru 3/8" — 12 each  
13/32" thru 1/2" — 6 each

Foret à tige réduite

Broca de zanco reducido



#### List No. 1414

SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
1/4	.2500	1 3/8	2 1/2	15021*
9/32	.2812	1 1/4	2 11/16	15022*
11/32	.3438	1 9/16	3	15024*
13/32	.4062	1 7/8	3 5/16	15026*
15/32	.4688	2 1/8	3 3/8	15028*
1/2	.5000	2 1/4	3 3/4	15029*

\* Available While Supplies Last

## 3/8" Reduced Shank Jobber Length Drills

### 118° Point — High Speed Steel Treated (Black Oxide)

For 3/8" chuck power drills in portable applications.

Foret à tige réduite

Broca de zanco reducido



#### List No. 1422

**STANDARD PACKAGE** All sizes — 6 each

SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
25/64	.3906	3 3/4	5 1/8	15001
13/32	.4062	3 7/8	5 1/4	15002
27/64	.4219	3 15/16	5 3/8	15003
7/16	.4375	4 1/16	5 1/2	15004

SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
29/64	.4531	4 3/16	5 5/8	15005
15/32	.4687	4 5/16	5 3/4	15006
31/64	.4844	4 3/8	5 7/8	15007
1/2	.5000	4 1/2	6	15008

## With MORSE® Modifications Why Start From Scratch?

When standard cutting tools aren't quite right for your application, let **Morse® Modifications** make them perfect for the task. Morse®-modified off-the-shelf standard cutting tools let you start with a standard tool at a standard price. Add a little for modifications, and save by not having to go with expensive custom-designed special cutting tools.

## With MORSE® Specials Fast Delivery on Custom Tools.

When your application requires special custom designed cutting tools, **Morse® Specials** offers complete tool design and manufacturing services. Fast quotes, quick delivery, specifically designed for your machining application. Engineered cutting tools optimized for lower overall machining costs.