

**SHEARMILL™****M42 8% Cobalt  
3-Flute 60° High Helix  
Single End Mills****Center Cutting****High Spiral Design Cuts****Cleanly & Efficiently****Tool Coatings  
Also Available**

**M42 8% Cobalt** offers increased wear and heat resistance for abrasive and difficult materials, higher speeds and feeds and long life in production applications.

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	EDP NO.
1/4	.2500	3/8	5/8	27/16	<b>42938</b>
5/16	.3125	3/8	3/4	2 1/2	<b>42939</b>
3/8	.3750	3/8	3/4	2 1/2	<b>42918</b>
3/8	.3750	3/8	1 1/2	3 1/4	<b>42919</b>
1/2	.5000	1/2	1 1/4	3 1/4	<b>42920</b>
1/2	.5000	1/2	2	4	<b>42921</b>
1/2	.5000	1/2	3	5	<b>42922</b>
5/8	.6250	5/8	1 5/8	3 3/4	<b>42928</b>
5/8	.6250	5/8	2 1/2	4 5/8	<b>42929</b>
3/4	.7500	3/4	1 5/8	3 7/8	<b>42936</b>
3/4	.7500	3/4	3	5 1/4	<b>42937</b>

\*Available While Supplies Last

**3-Flute High Helix  
Coarse Pitch  
Roughing End Mills****High Speed Steel - Center Cutting**

Designed for higher speeds and feeds when milling **Aluminum**, aluminum alloys, magnesium, zinc alloys and other soft non-ferrous materials. **Deep Flutes** and **38° High Helix** angle provide positive shearing action and fast chip evacuation. **Center Cutting** end allows for plunge cutting like a drill into solid material.

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	UNCOATED	TIN COATED	TICN COATED
					EDP NO.	EDP NO.	EDP NO.
7/8	.8750	3/4	1 7/8	4 1/8	—	<b>44766*</b>	—
1 1/4	1.2500	1 1/4	2	4 1/2	<b>44754*</b>	<b>44768*</b>	<b>44782*</b>
1 1/2	1.5000	1 1/4	2	4 1/2	<b>44755*</b>	<b>44769*</b>	<b>44783*</b>
2	2.0000	2	2	5 3/4	<b>44757*</b>	<b>44771*</b>	<b>44785*</b>
2	2.0000	2	3	6 3/4	<b>44758*</b>	<b>44772*</b>	<b>44786*</b>
2	2.0000	2	4	7 3/4	—	<b>44773*</b>	<b>44787*</b>
2	2.0000	2	6	9 3/4	—	<b>44774*</b>	<b>44788*</b>
2	2.0000	2	8	11 3/4	<b>44761*</b>	<b>44775*</b>	<b>44789*</b>
1 1/4	1.2500	1 1/4	3	5 1/2	<b>44795*</b>	<b>44804*</b>	<b>44813*</b>
1 1/4	1.2500	1 1/4	4	6 1/2	<b>44796*</b>	<b>44805*</b>	<b>44814*</b>
1 1/2	1.5000	1 1/4	3	5 1/2	<b>44797*</b>	<b>44806*</b>	<b>44815*</b>
1 1/2	1.5000	1 1/4	4	6 1/2	—	—	<b>44816*</b>

\* Available while supplies last

Fraise à queue à rainurer à haut rendement

cortador vertical de alto rendimiento



List No. 4686

**60° High Helix** angle keeps the cutting edges constantly engaged in the workpiece reducing cutting load variations. The result is a clean efficient cutting action with decreased cutting resistance, enhanced chip control, excellent surface finish and long tool life.

**Recommended** for tough milling jobs including stainless steel, titanium, inconel, mold and die steels and other abrasive and difficult materials. **Center Cutting** end allows for plunge cutting like a drill into solid material.

**STANDARD PACKAGE** All sizes — 1 each

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	EDP NO.
7/8	.8750	3/4	1 7/8	4 1/8	<b>42944*</b>
7/8	.8750	3/4	3 1/2	5 3/4	<b>42945*</b>
1	1.0000	1	2	4 1/2	<b>42953</b>
1	1.0000	1	4	6 1/2	<b>42954</b>
1 1/4	1.2500	1	2	4 1/2	<b>42970*</b>
1 1/4	1.2500	1 1/4	2	4 1/2	<b>42971*</b>
1 1/4	1.2500	1 1/4	4	6 1/2	<b>42972*</b>
1 1/2	1.5000	1 1/4	2	4 1/2	<b>42980*</b>
1 3/4	1.7500	1 1/4	2	4 1/2	<b>42989*</b>
2	2.0000	1 1/4	2	4 1/2	<b>42995*</b>
2	2.0000	2	2	5 3/4	<b>43000*</b>

Fraise à queue à rainurer de dégrossissage

cortador vertical para desbaste



List No. 4605 — Regular Length

List No. 4606 — Medium &amp; Long Length

**STANDARD PACKAGE** All sizes — 1 each

# 3-Flute Single End Mills

## High Speed Steel Center Cutting

**3-Flute** end mills provide a compromise between the chip capacity of 2-flute end mills and the improved surface finish, greater core strength and higher feed rate of multi-flute end mills. They are recommended for general milling and for milling slots, keyways and pockets. **Center Cutting** end allows for plunge cutting like a drill into solid material.

### List No. 1880 Regular Length

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	EDP NO.
1/8	.1250	3/8	3/8	2 5/16	42050
3/16	.1875	3/8	1/2	2 3/8	42051
1/4	.2500	3/8	5/8	2 7/16	42052
5/16	.3125	3/8	3/4	2 1/2	42053
3/8	.3750	3/8	3/4	2 1/2	42054
7/16	.4375	3/8	1	2 11/16	42055
1/2	.5000	3/8	1	2 11/16	42056
1/2	.5000	1/2	1 1/4	3 1/4	42057
9/16	.5625	1/2	1 3/8	3 3/8	42058
5/8	.6250	1/2	1 3/8	3 3/8	42059
5/8	.6250	5/8	1 5/8	3 3/4	42060

### List No. 1881 Long Length

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	EDP NO.
1/4	.2500	3/8	1 1/4	3 1/16	42080
5/16	.3125	3/8	1 3/8	3 1/8	42081
3/8	.3750	3/8	1 1/2	3 1/4	42082
7/16	.4375	1/2	1 3/4	3 3/4	42083
1/2	.5000	1/2	2	4	42084
5/8	.6250	5/8	2 1/2	4 5/8	42085

Fraise à queue à rainurer simple

cortador vertical sencillao



List No. 1880 - Regular Length



List No. 1881 - Long Length

STANDARD PACKAGE All sizes — 1 each

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	EDP NO.
3/4	.7500	3/4	1 5/8	3 7/8	42061
7/8	.8750	3/4	1 7/8	4 1/8	42062
7/8	.8750	7/8	1 7/8	4 1/8	42063
1	1.0000	3/4	1 7/8	4 1/8	42064
1	1.0000	1	2	4 1/2	42065
1 1/8	1.1250	1	2	4 1/2	42066
1 1/2	1.5000	1 1/4	2	4 1/2	42069
1 3/4	1.7500	1 1/4	2	4 1/2	42070*
2	2.0000	2	3	6 3/4	42071

\* Available While Supplies Last

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	EDP NO.
3/4	.7500	3/4	3	5 1/4	42086
7/8	.8750	7/8	3 1/2	5 3/4	42087*
1	1.0000	1	4	6 1/2	42088
1 1/4	1.2500	1 1/4	4	6 1/2	42089
2	2.0000	1 1/4	4	6 1/2	42092*

\* Available While Supplies Last

# 3-Flute Double End Mills

## High Speed Steel Center Cutting

**3-Flute** end mills provide a compromise between the chip capacity of 2-flute end mills and the improved surface finish, greater core strength and higher feed rate of multi-flute end mills. They are recommended for general milling and for milling slots, keyways and pockets. **Center Cutting** end allows for plunge cutting like a drill into solid material.

Fraise à queue à rainurer double

cortador vertical doble



List No. 1882

STANDARD PACKAGE All sizes — 1 each

Tool Coatings  
Also Available

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	EDP NO.
1/8	.1250	3/8	3/8	3 1/16	42100
3/16	.1875	3/8	1/2	3 1/4	42101
1/4	.2500	3/8	5/8	3 3/8	42102
5/16	.3125	3/8	3/4	3 1/2	42103
3/8	.3750	3/8	3/4	3 1/2	42104
7/16	.4375	1/2	1	4 1/8	42105

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	EDP NO.
1/2	.5000	1/2	1	4 1/8	42106
9/16	.5625	5/8	1 3/8	5	42107
5/8	.6250	5/8	1 3/8	5	42108
3/4	.7500	3/4	1 3/8	5 5/8	42109
7/8	.8750	7/8	1 7/8	6 1/8	42110
1	1.0000	1	1 7/8	6 3/8	42111