# Staggered Tooth Side Milling Cutters

## High Speed Steel

**Side Milling Cutters** are designed for slotting and straddle milling in a wide variety of materials. **Staggered Tooth** cutters offer higher speeds and feeds, greater chip capacity and less chatter than straight tooth cutters. Recommended for deeper straddle milling and slotting applications.

**Fraise**

**Fresa de corte cortador para fresado**

**STANDARD PACKAGE** All sizes — 1 each

**List No. 1809**

| DIA. | WIDTH | ARBOR HOLE | NO. TEETH | EDP NO. |
|---|---|---|---|---|
| 2⅛ | 5/16 | ¾ | 14 | 40667 |
| 2½ | ¼ | ⅞ | 16 | 40061 |
| 2½ | ⅜ | ⅞ | 16 | 40670 |
| 2½ | ½ | ⅞ | 16 | 40671 |
| 2¾ | ¼ | 1 | 16 | 40672* |
| 2¾ | 5/16 | 1 | 16 | 40673 |
| 2¾ | ½ | 1 | 16 | 40676 |
| 3 | 3/16 | 1 | 18 | 40065 |
| 3 | 7/32 | 1 | 18 | 40677 |
| 3 | ¼ | 1 | 18 | 40066 |
| 3 | 9/32 | 1 | 18 | 40678* |
| 3 | 5/16 | 1 | 18 | 40067 |
| 3 | 11/32 | 1 | 18 | 40679* |
| 3 | ⅜ | 1 | 18 | 40068 |
| 3 | 13/32 | 1 | 18 | 40680* |
| 3 | 7/16 | 1 | 18 | 40681 |
| 3 | 9/16 | 1¼ | 18 | 40682* |
| 3 | 11/16 | 1¼ | 18 | 40683* |
| 3 | 13/16 | 1¼ | 18 | 40684* |
| 3 | ⅞ | 1¼ | 18 | 40685* |
| 4 | ¼ | 1 | 18 | 40689 |
| 4 | ¼ | 1¼ | 18 | 40072 |
| 4 | 9/32 | 1¼ | 18 | 40691* |
| 4 | 5/16 | 1¼ | 18 | 40073 |
| 4 | 11/32 | 1 | 18 | 40693* |
| 4 | 11/32 | 1¼ | 18 | 40694* |
| 4 | ⅜ | 1 | 18 | 40695 |
| 4 | ⅜ | 1¼ | 18 | 40074 |
| 4 | 13/32 | 1¼ | 18 | 40697* |
| 4 | 7/16 | 1¼ | 18 | 40075* |
| 4 | ½ | 1 | 18 | 40699 |
| 4 | ½ | 1¼ | 18 | 40076 |
| 4 | 9/16 | 1 | 18 | 40700* |
| 4 | 11/16 | 1¼ | 18 | 40704* |
| 4 | ¾ | 1¼ | 18 | 40078 |
| 4 | 13/16 | 1 | 18 | 40706* |
| 4 | 13/16 | 1¼ | 18 | 40707* |
| 4 | ⅞ | 1¼ | 18 | 40079 |
| 4 | 15/16 | 1 | 18 | 40709* |
| 4 | 1¼ | 1¼ | 18 | 40714 |
| 4 | 1⅜ | 1¼ | 18 | 40715* |
| 4 | 1½ | 1¼ | 18 | 40716* |
| 4½ | ¼ | 1 | 18 | 40717 |
| 4½ | 5/16 | 1 | 18 | 40719* |
| 4½ | 5/16 | 1¼ | 18 | 40720* |
| 4½ | ½ | 1 | 18 | 40723* |
| 4½ | ⅝ | 1 | 18 | 40725* |
| 4½ | ¾ | 1 | 18 | 40727* |
| 4½ | ¾ | 1¼ | 18 | 40728* |
| 4½ | 1 | 1 | 18 | 40729* |
| 4½ | 1 | 1¼ | 18 | 40730* |
| 5 | ¼ | 1¼ | 24 | 40732 |
| 5 | 9/32 | 1 | 24 | 40733* |
| 5 | 11/32 | 1 | 24 | 40736* |
| 5 | 11/32 | 1¼ | 24 | 40737* |
| 5 | ⅜ | 1 | 24 | 40738 |
| 5 | ⅜ | 1¼ | 24 | 40739 |
| 5 | 7/16 | 1 | 24 | 40742* |
| 5 | 7/16 | 1¼ | 24 | 40743* |
| 5 | 15/32 | 1 | 24 | 40744* |
| 5 | 15/32 | 1¼ | 24 | 40745* |
| 5 | ½ | 1¼ | 24 | 40080 |
| 5 | 9/16 | 1¼ | 24 | 40748* |
| 5 | 19/32 | 1¼ | 24 | 40749* |
| 5 | ⅝ | 1¼ | 24 | 40081 |
| 5 | 11/16 | 1¼ | 24 | 40750* |
| 5 | ¾ | 1¼ | 24 | 40082* |
| 5 | 13/16 | 1¼ | 24 | 40751* |
| 5 | ⅞ | 1¼ | 24 | 40752* |
| 5 | 15/16 | 1¼ | 24 | 40753* |
| 5 | 1 | 1¼ | 24 | 40754* |
| 6 | ¼ | 1 | 24 | 40755 |
| 6 | 9/32 | 1 | 24 | 40757* |
| 6 | ⅜ | 1¼ | 24 | 40083 |
| 6 | 13/32 | 1 | 24 | 40764* |
| 6 | ½ | 1 | 24 | 40770 |
| 6 | ½ | 1¼ | 24 | 40084 |
| 7 | ¼ | 1¼ | 24 | 40780 |
| 8 | ¼ | 1½ | 28 | 40794 |
| 8 | ½ | 1½ | 28 | 40090* |
| 8 | ¾ | 1½ | 28 | 40092* |

*** Available While Supplies Last**

# Straight Tooth Side Milling Cutters

## High Speed Steel

**Side Milling Cutters** are designed for slotting and straddle milling in a wide variety of materials. **Straight Tooth** cutters are recommended for shallower straddle milling and slotting applications.

**Fraise**

**Fresa de corte cortador para fresado**

**List No. 1833**

| DIA. | WIDTH | ARBOR HOLE | NO. TEETH | EDP NO. |
|---|---|---|---|---|
| 2 | 3/16 | 5/8 | 14 | 40201 |
| 2 | 1/4 | 5/8 | 14 | 40202 |
| 2 | 3/8 | 5/8 | 14 | 40203 |
| 2 1/2 | 5/16 | 7/8 | 18 | 40885* |
| 3 | 1/4 | 1 | 20 | 40208 |
| 3 | 5/16 | 1 | 20 | 40209 |
| 3 | 11/32 | 1 | 20 | 40887* |
| 3 | 3/8 | 1 | 20 | 40210 |
| 3 | 13/32 | 1 | 20 | 40888* |
| 3 | 1/2 | 1 | 20 | 40212 |
| 3 | 9/16 | 1 | 20 | 40889* |
| 3 | 5/8 | 1 | 20 | 40890 |
| 3 | 11/16 | 1 | 20 | 40891* |
| 3 | 15/16 | 1 | 20 | 40895* |
| 3 | 1 | 1 | 20 | 40896 |
| 4 | 1/4 | 1 | 24 | 40213 |
| 4 | 9/32 | 1 1/4 | 24 | 40899* |
| 4 | 5/16 | 1 | 24 | 40900 |
| 4 | 5/16 | 1 1/4 | 24 | 40901 |
| 4 | 11/32 | 1 1/4 | 24 | 40903* |
| 4 | 3/8 | 1 | 24 | 40214 |
| 4 | 1/2 | 1 | 24 | 40215 |
| 4 | 1/2 | 1 1/4 | 24 | 40216 |
| 4 | 9/16 | 1 1/4 | 24 | 40910* |
| 4 | 5/8 | 1 | 24 | 40217 |
| 4 | 5/8 | 1 1/4 | 24 | 40218* |
| 4 | 3/4 | 1 | 24 | 40219 |
| 4 | 3/4 | 1 1/4 | 24 | 40220* |
| 4 | 13/16 | 1 | 24 | 40913 |
| 4 | 7/8 | 1 1/4 | 24 | 40222* |
| 5 | 1/4 | 1 | 24 | 40919 |
| 5 | 13/32 | 1 | 24 | 40929 |
| 5 | 1/2 | 1 1/4 | 24 | 40224 |
| 5 | 5/8 | 1 | 24 | 40225 |
| 5 | 3/4 | 1 | 24 | 40227* |
| 5 | 1 | 1 1/4 | 24 | 40229* |
| 6 | 1/4 | 1 | 28 | 40944 |
| 6 | 1/4 | 1 1/4 | 28 | 40945 |
| 6 | 5/16 | 1 | 28 | 40947* |
| 6 | 5/16 | 1 1/4 | 28 | 40948 |
| 6 | 3/8 | 1 | 28 | 40950 |
| 6 | 7/16 | 1 1/4 | 28 | 40953 |
| 6 | 1/2 | 1 | 28 | 40230 |
| 6 | 1/2 | 1 1/4 | 28 | 40231 |
| 6 | 9/16 | 1 1/4 | 28 | 40954* |
| 6 | 3/4 | 1 | 28 | 40233* |
| 8 | 3/4 | 1 1/4 | 34 | 40237* |

*Available While Supplies Last

# Convex and Concave Milling Cutters

## High Speed Steel

**Fraise**

**Fresa de corte cortador para fresado**

### List No. 1865 – Convex

**Convex** milling cutters are designed for cutting female half circles in a wide variety of materials.

### List No. 1866 – Concave

**Concave** milling cutters are designed for cutting male half circles in a wide variety of materials.

| CIRCLE DIA. | CUTTER DIA. | ARBOR HOLE | NO. TEETH | 1865 EDP NO. | 1866 EDP NO. |
|---|---|---|---|---|---|
| 1/8 | 2 1/4 | 1 | 16 | 40451* | 40476* |
| 3/16 | 2 1/4 | 1 | 16 | — | 40477* |
| 1/4 | 2 1/2 | 1 | 14 | 40453* | — |
| 7/16 | 3 | 1 | 12 | 40456* | 40481* |
| 3/4 | 3 3/4 | 1 1/4 | 12 | — | 40484* |
| 7/8 | 4 | 1 1/4 | 12 | — | 40485* |
| 1 | 4 1/4 | 1 1/4 | 10 | 40461* | — |

* Available While Supplies Last

# Shell End Mills

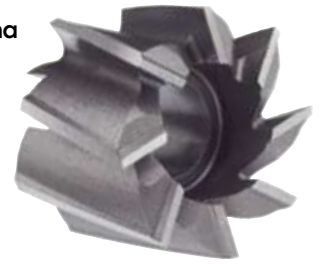
Fraise à surfacer en bout

Fresa de concha

## High Speed Steel

**Shell End Mills** are designed for end milling and face milling in a wide variety of materials.

**List No. 1803 — Right Hand Cut**
**List No. 1803L — Left Hand Cut**



| DIA. | WIDTH | ARBOR HOLE | NO. TEETH | EDP NO. R HAND | EDP NO. L HAND |
|---|---|---|---|---|---|
| 1¼ | 1 | ½ | 8 | 42901* | 42955* |
| 1½ | 1⅛ | ½ | 8 | 42902* | 42956* |
| 1¾ | 1¼ | ¾ | 8 | 42903* | 42957* |
| 2 | 1⅜ | ¾ | 10 | 42904* | 42958* |
| 2¾ | 1⅝ | 1 | 10 | 42907* | — |
| 3 | 1¾ | 1¼ | 12 | 42908* | — |
| 3½ | 1⅞ | 1¼ | 12 | — | 42963* |
| 4 | 2¼ | 1½ | 14 | 42910* | 42964* |
| 4½ | 2¼ | 1½ | 14 | 42911* | 42965* |
| 5 | 2¼ | 1½ | 16 | 42912* | — |
| 6 | 2¼ | 2 | 16 | 42913* | 42967* |

* Available While Supplies Last

# Shell End Mills For Aluminum

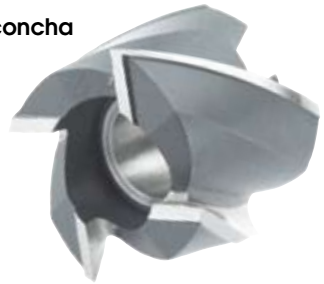
Fraise à surfacer en bout

Fresa de concha

## High Speed Steel

**Shell End Mills for Aluminum** feature fewer flutes, deep gullet space and high rake angles for end milling and face milling in aluminum and other soft non-ferrous materials.

**List No. 1803A**



| DIA. | WIDTH | ARBOR HOLE | NO. TEETH | EDP NO. |
|---|---|---|---|---|
| 2½ | 1⅝ | 1 | 4 | 42917* |
| 4 | 2¼ | 1½ | 6 | 42924* |
| 5 | 2¼ | 1½ | 8 | 42925* |
| 6 | 2¼ | 2 | 8 | 42926* |

* Available While Supplies Last

# T-Slot Milling Cutters

Fraise

Fresa de corte cortador para fresado

## High Speed Steel

**T-Slot** milling cutters are designed for cutting t-slots in machine tool tables and other work holding fixtures.

**List No. 1929**

| BOLT SIZE | CUTTER DIA. | WIDTH | SHANK DIA. | NECK DIA. | OAL | EDP NO. |
|---|---|---|---|---|---|---|
| ¼ | 9/16 | 15/64 | ½ | 17/64 | 2 19/32 | 40576 |
| 5/16 | 21/32 | 17/64 | ½ | 21/64 | 2 11/16 | 40577 |
| ⅜ | 25/32 | 21/64 | ¾ | 13/32 | 3¼ | 40578 |
| ½ | 31/32 | 25/64 | ¾ | 17/32 | 3 7/16 | 40579 |
| ⅝ | 1¼ | 31/64 | 1 | 21/32 | 3 15/16 | 40580 |
| ¾ | 1 15/32 | ⅝ | 1 | 25/32 | 4 7/16 | 40581 |
| 1 | 1 27/32 | 53/64 | 1¼ | 1 1/32 | 4 13/16 | 40582 |

# Dovetail Milling Cutters

Fraise

Fresa de corte cortador para fresado

## High Speed Steel — 45° & 60° Angle

**Dovetail** milling cutters are designed for cutting dovetails in a wide variety of materials.

**List No. 1849**

| DIA. | CUTTER WIDTH 45° | CUTTER WIDTH 60° | SHANK DIA. | OAL | EDP NO. 45° | EDP NO. 60° |
|---|---|---|---|---|---|---|
| ¾ | 3/16 | 5/16 | ⅜ | 2⅛ | 40411 | 40401 |
| 1⅜ | ⅜ | 9/16 | ⅝ | 2⅞ | 40412 | — |
| 1⅞ | ½ | 13/16 | ⅞ | 3¼ | 40413 | 40403 |
| 2¼ | 11/16 | 1 1/16 | 1 | 3¾ | 40414 | 40404 |