

Milling  
Technical Data

Milling Inserts

Milling  
Toolholder (Inch)

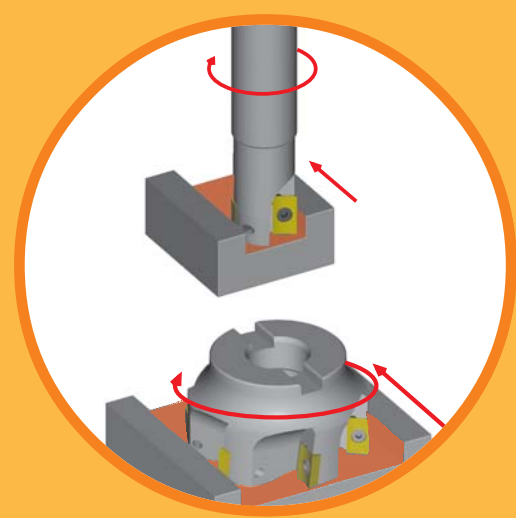
Milling  
Toolholder (Metric)

Milling  
Spare Parts

## HIGH POSITIVE 90° MILLING CUTTER

Cutting Rake - 20°

for 11° positive 85° parallelogram AP\_\_ inserts



| Operation                 | Tool Rotation | Direction of Cut  |
|---------------------------|---------------|-------------------|
| 90° End Mill<br>Slot Mill | Right Hand    | Horizontal / Ramp |

## Milling Application

| Finishing | Medium | Roughing |
|-----------|--------|----------|
| Best      | Good   | Good     |

## Insert Type

| Steel     | Stainless Steel | Cast Iron | Aluminum  | High Temper Alloy |
|-----------|-----------------|-----------|-----------|-------------------|
| APKT-PDER | APKT-PDER       | APHW-PDER | APHX-PDFR | APHX-PDFR         |

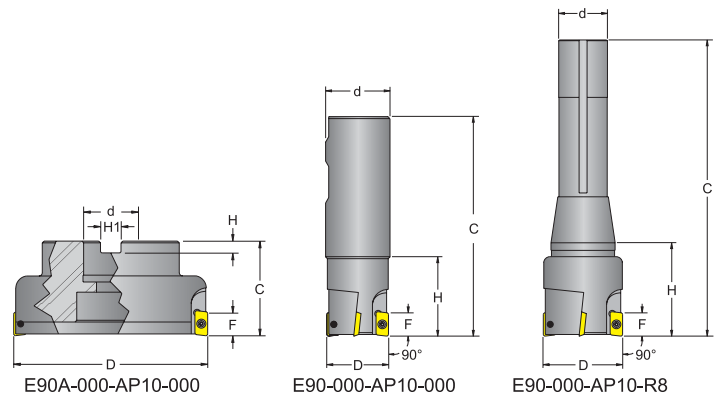
For insert information see pages E-42 to E-43.

### TOOL ANGLES:

- Cutting Rake +20°
- Axial Rake 6°
- Radial Rake -6°

### FEATURES:

- Available in 1/2", 5/8", 3/4", & 1.0" Weldon, R8, & arbor shank sizes
- Positive parallelogram Inserts, 11° clearance
- 3/8" cutting edge
- Smoother cutting
- Torx screw locking system
- Two cutting edges

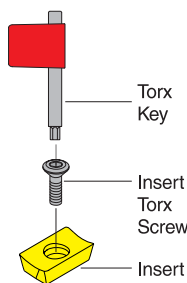


## End Mill

| Description      | Part No. 733101- | C     | D     | d     | F    | H     | No. Inserts | APKT Gage Insert | Insert Torx Screw | Torx Key |
|------------------|------------------|-------|-------|-------|------|-------|-------------|------------------|-------------------|----------|
| E90-038-AP10-050 | 65600            | 3.000 | 0.375 | 0.500 | .390 | 1.000 | 1           |                  |                   |          |
| E90-044-AP10-062 | 65601            | 3.250 | 0.437 | 0.625 | .390 | 1.062 | 1           | 1003             | TS-25.45-4M1      | T-7      |
| E90-050-AP10-062 | 65602            | 3.250 | 0.500 | 0.625 | .390 | 1.062 | 1           |                  |                   |          |
| E90-062-AP10-062 | 65604            | 3.250 | 0.625 | 0.625 | .390 | 1.062 | 2           |                  |                   |          |
| E90-075-AP10-075 | 65606            | 3.375 | 0.750 | 0.750 | .390 | 1.125 | 2           |                  |                   |          |
| E90-087-AP10-075 | 65608            | 3.375 | 0.875 | 0.750 | .390 | 1.125 | 3           |                  |                   |          |
| E90-100-AP10-075 | 65610            | 3.500 | 1.000 | 0.750 | .390 | 1.125 | 4           |                  |                   |          |
| E90-100-AP10-100 | 65612            | 4.000 | 1.000 | 1.000 | .390 | 1.250 | 4           | 1003             | TS-25.45-6M1      | T-7      |
| E90-125-AP10-100 | 65614            | 4.000 | 1.250 | 1.000 | .390 | 1.250 | 4           |                  |                   |          |
| E90-150-AP10-100 | 65616            | 4.000 | 1.500 | 1.000 | .390 | 1.250 | 5           |                  |                   |          |
| E90-200-AP10-100 | 65618            | 4.000 | 2.000 | 1.000 | .390 | 1.250 | 6           |                  |                   |          |
| E90-200-AP10-R8  | 65619            | 5.625 | 2.000 | R8    | .390 | 1.640 | 6           |                  |                   |          |

## Face Mill

| Description       | Part No. 733101- | C    | D   | d    | F    | H    | H1   | No. Inserts | APKT Gage Insert | Insert Torx Screw | Torx Key |
|-------------------|------------------|------|-----|------|------|------|------|-------------|------------------|-------------------|----------|
| E90A-150-AP10-075 | 65630            | 1.57 | 1.5 | 0.75 | .390 | .187 | .312 | 5           |                  |                   |          |
| E90A-200-AP10-075 | 65632            | 1.57 | 2.0 | 0.75 | .390 | .187 | .312 | 6           | 1003             | TS-25.45-6M1      | T-7      |
| E90A-250-AP10-100 | 65634            | 1.75 | 2.5 | 1.00 | .390 | .219 | .375 | 8           |                  |                   |          |
| E90A-300-AP10-100 | 65636            | 1.75 | 3.0 | 1.00 | .390 | .219 | .375 | 10          |                  |                   |          |



For spare part information see page E-177.