Solid Carbide Medium Pitch Roughing End Mills

Micrograin Carbide – Center Cutting 37° Helix Angle – Weldon Flats

Roughing end mills feature a chp breaker type cutting edge for heavier cuts and higher speeds and feeds. Medium Pitch Roughing End Mills are recommended for low to medium hardness materials under 40Rc hardness. 37° Helix Angle for rapid chip evacuation and higher feed rates. Recommended for Carbon Steels, Tools Steels, Free Machining Stainless Steels and other materials.

Solid Carbide offers excellent rigidity, hardness, wear resistance and heat resistance for higher cutting speeds and longer tool life.

ALTIN - Aluminum Titanium Nitride Coating increases surface hardness, wear resistance, heat resistance, chip flow and resists chip welding.



List No. 5977 — Bright Finish



List No. 5977T — ALTIN Coated

Weldon Flat on Shank

TOLERANCES

Dia. +.000 - .003 Shank Dia. +.000 - .0004

STANDARD PACKAGE

All sizes - 1 each

| DIA | SHANK | 100 | OAL | CORNER | NO. OF | LIST 5977 UNCOATED | LIST 5977T ALTIN COATED EDP NO. |
|------|-----------------------------------|---|---|---|---|--|--|
| | | | | | | | |
| 3/16 | 3/16 | 5/8 | 2 | .020 | 3 | 56573 | 90684 |
| 1/4 | 1/4 | 3/4 | 2-1/2 | .020 | 4 | 56574 | 90685 |
| 5/16 | 5/16 | 3/4 | 2-1/2 | .020 | 4 | 56575 | 90686 |
| 3/8 | 3/8 | 7/8 | 2-1/2 | .020 | 4 | 56576 | 90687 |
| 7/16 | 7/16 | 1 | 2-3/4 | .025 | 4 | 56577 | 90688 |
| 1/2 | 1/2 | 1-1/4 | 3 | .025 | 4 | 56578 | 90689 |
| 5/8 | 5/8 | 1-5/8 | 3-1/2 | .025 | 4 | 56579 | 90690 |
| 3/4 | 3/4 | 1-5/8 | 4 | .025 | 4 | 56580 | 90691 |
| 1 | 1 | 1-3/4 | 4 | .025 | 5 | 56581 | 90692 |
| | 5/16 3/8 7/16 1/2 5/8 | DIA. DIA. 3/16 3/16 1/4 1/4 5/16 5/16 3/8 3/8 7/16 7/16 1/2 1/2 5/8 5/8 | DIA. DIA. LOC 3/16 3/16 5/8 1/4 1/4 3/4 5/16 5/16 3/4 3/8 3/8 7/8 7/16 7/16 1 1/2 1/2 1-1/4 5/8 5/8 1-5/8 3/4 3/4 1-5/8 | DIA. DIA. LOC OAL 3/16 3/16 5/8 2 1/4 1/4 3/4 2-1/2 5/16 5/16 3/4 2-1/2 3/8 3/8 7/8 2-1/2 7/16 7/16 1 2-3/4 1/2 1/2 1-1/4 3 5/8 5/8 1-5/8 3-1/2 3/4 3/4 1-5/8 4 | DIA. DIA. LOC OAL CHAMFER 3/16 3/16 5/8 2 .020 1/4 1/4 3/4 2-1/2 .020 5/16 5/16 3/4 2-1/2 .020 3/8 3/8 7/8 2-1/2 .020 7/16 7/16 1 2-3/4 .025 1/2 1/2 1-1/4 3 .025 5/8 5/8 1-5/8 3-1/2 .025 3/4 3/4 1-5/8 4 .025 | DIA. DIA. LOC OAL CHAMFER FLUTES 3/16 3/16 5/8 2 .020 3 1/4 1/4 3/4 2-1/2 .020 4 5/16 5/16 3/4 2-1/2 .020 4 3/8 3/8 7/8 2-1/2 .020 4 7/16 7/16 1 2-3/4 .025 4 1/2 1/2 1-1/4 3 .025 4 5/8 5/8 1-5/8 3-1/2 .025 4 3/4 3/4 1-5/8 4 .025 4 | DIA. SHANK DIA. LOC OAL CORNER CHAMFER NO. OF FLUTES UNCOATED EDP NO 3/16 3/16 5/8 2 .020 3 56573 1/4 1/4 3/4 2-1/2 .020 4 56574 5/16 5/16 3/4 2-1/2 .020 4 56575 3/8 3/8 7/8 2-1/2 .020 4 56576 7/16 7/16 1 2-3/4 .025 4 56577 1/2 1/2 1-1/4 3 .025 4 56578 5/8 5/8 1-5/8 3-1/2 .025 4 56579 3/4 3/4 1-5/8 4 .025 4 56580 |

Pocket Chart List No. 1005

NEW LOOK! LARGER SIZE! Decimal Equivalents. Tap Drill Sizes for inch, metric and pipe threads. Size: 3\%" × 7", Printed on plastic

Pack of 50 EDP No. 20412

Pack of 100 EDP No. 20413





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