

PREMIUM (10% COBALT) MICROGRAIN CARBIDE

**SOLID CARBIDE (MINI-DECIMAL SIZE) END MILLS**

ICS USA

SPECIAL PURPOSE

CENTER CUTTING

Micro-Grain Solid Carbide End Mills were developed for machining tough work hardening metals, stainless steel, titanium, monel, inconel, and super alloys. It is extremely shock resistant.

**2 FLUTE - SINGLE END**



**4 FLUTE - SINGLE END**



| SIZE<br>(Dec.) | SHANK<br>DIA. | FLUTE<br>LENGTH | OVERALL<br>LENGTH | PRICE EACH       |               |
|----------------|---------------|-----------------|-------------------|------------------|---------------|
|                |               |                 |                   | SOLID<br>CARBIDE | TIN<br>COATED |
|                |               |                 |                   | SCDSEM-2R        | SCDSEM-2T     |
| .010           | 1/8           | .030            | 1-1/2             | \$21.02          | \$23.26       |
| .015           | 1/8           | .045            | 1-1/2             | 21.02            | 23.26         |
| .020           | 1/8           | .060            | 1-1/2             | 21.02            | 23.26         |
| .025           | 1/8           | .075            | 1-1/2             | 21.02            | 23.26         |
| .030           | 1/8           | .090            | 1-1/2             | 21.02            | 23.26         |
| .035           | 1/8           | .105            | 1-1/2             | 21.02            | 23.26         |
| .040           | 1/8           | .120            | 1-1/2             | 21.02            | 23.26         |
| .045           | 1/8           | .135            | 1-1/2             | 15.98            | 18.22         |
| .050           | 1/8           | .150            | 1-1/2             | 15.98            | 18.22         |
| .055           | 1/8           | .165            | 1-1/2             | 15.98            | 18.22         |
| .060           | 1/8           | .180            | 1-1/2             | 15.98            | 18.22         |
| .065           | 1/8           | .195            | 1-1/2             | 15.98            | 18.22         |
| .070           | 1/8           | .210            | 1-1/2             | 15.98            | 18.22         |
| .075           | 1/8           | .225            | 1-1/2             | 15.98            | 18.22         |
| .080           | 1/8           | .240            | 1-1/2             | 15.98            | 18.22         |
| .085           | 1/8           | .255            | 1-1/2             | 15.98            | 18.22         |
| .090           | 1/8           | .270            | 1-1/2             | 15.98            | 18.22         |
| .095           | 1/8           | .285            | 1-1/2             | 15.98            | 18.22         |
| .100           | 1/8           | .300            | 1-1/2             | 15.98            | 18.22         |
| .105           | 1/8           | .315            | 1-1/2             | 15.98            | 18.22         |
| .110           | 1/8           | .330            | 1-1/2             | 15.98            | 18.22         |
| .115           | 1/8           | .345            | 1-1/2             | 15.98            | 18.22         |
| .120           | 1/8           | .360            | 1-1/2             | 15.98            | 18.22         |

| SIZE<br>(Dec.) | SHANK<br>DIA. | FLUTE<br>LENGTH | OVERALL<br>LENGTH | PRICE EACH       |               |
|----------------|---------------|-----------------|-------------------|------------------|---------------|
|                |               |                 |                   | SOLID<br>CARBIDE | TIN<br>COATED |
|                |               |                 |                   | SCDSEM-4R        | SCDSEM-4T     |
| .010           | 1/8           | .030            | 1-1/2             | \$21.02          | \$23.26       |
| .015           | 1/8           | .045            | 1-1/2             | 21.02            | 23.26         |
| .020           | 1/8           | .060            | 1-1/2             | 21.02            | 23.26         |
| .025           | 1/8           | .075            | 1-1/2             | 21.02            | 23.26         |
| .030           | 1/8           | .090            | 1-1/2             | 21.02            | 23.26         |
| .035           | 1/8           | .105            | 1-1/2             | 21.02            | 23.26         |
| .040           | 1/8           | .120            | 1-1/2             | 21.02            | 23.26         |
| .045           | 1/8           | .135            | 1-1/2             | 15.98            | 18.22         |
| .050           | 1/8           | .150            | 1-1/2             | 15.98            | 18.22         |
| .055           | 1/8           | .165            | 1-1/2             | 15.98            | 18.22         |
| .060           | 1/8           | .180            | 1-1/2             | 15.98            | 18.22         |
| .065           | 1/8           | .195            | 1-1/2             | 15.98            | 18.22         |
| .070           | 1/8           | .210            | 1-1/2             | 15.98            | 18.22         |
| .075           | 1/8           | .225            | 1-1/2             | 15.98            | 18.22         |
| .080           | 1/8           | .240            | 1-1/2             | 15.98            | 18.22         |
| .085           | 1/8           | .255            | 1-1/2             | 15.98            | 18.22         |
| .090           | 1/8           | .270            | 1-1/2             | 15.98            | 18.22         |
| .095           | 1/8           | .285            | 1-1/2             | 15.98            | 18.22         |
| .100           | 1/8           | .300            | 1-1/2             | 15.98            | 18.22         |
| .105           | 1/8           | .315            | 1-1/2             | 15.98            | 18.22         |
| .110           | 1/8           | .330            | 1-1/2             | 15.98            | 18.22         |
| .115           | 1/8           | .345            | 1-1/2             | 15.98            | 18.22         |
| .120           | 1/8           | .360            | 1-1/2             | 15.98            | 18.22         |

PREMIUM (10% COBALT) MICROGRAIN CARBIDE

**SOLID CARBIDE (MINI-STUB LENGTH) END MILLS**

ICS USA

SPECIAL PURPOSE

CENTER CUTTING

Micro-Grain Solid Carbide End Mills were developed for machining tough work hardening metals, stainless steel, titanium, monel, inconel, and super alloys. It is extremely shock resistant.

**2 FLUTE - DOUBLE END (STUB)**

**4 FLUTE - DOUBLE END (STUB)**



| SIZE  | SHANK<br>DIA. | FLUTE<br>LENGTH | OVERALL<br>LENGTH | PRICE EACH       |               |
|-------|---------------|-----------------|-------------------|------------------|---------------|
|       |               |                 |                   | SOLID<br>CARBIDE | TIN<br>COATED |
|       |               |                 |                   | SCMDEM-2S        | SCMDEM-2ST    |
| 1/32  | 1/8           | 3/64            | 1-1/2             |                  |               |
| 3/64  | 1/8           | 1/16            | 1-1/2             |                  |               |
| 1/16  | 1/8           | 1/8             | 1-1/2             |                  |               |
| 5/64  | 1/8           | 1/8             | 1-1/2             |                  |               |
| 3/32  | 1/8           | 3/16            | 1-1/2             | CALL             | CALL          |
| 7/64  | 1/8           | 11/64           | 1-1/2             | FOR              | FOR           |
| 1/8   | 1/8           | 1/4             | 1-1/2             | PRICE            | PRICE         |
| 9/64  | 3/16          | 7/32            | 2                 |                  |               |
| 5/32  | 3/16          | 5/16            | 2                 |                  |               |
| 11/64 | 3/16          | 17/64           | 2                 |                  |               |
| 3/16  | 3/16          | 3/8             | 2                 |                  |               |

| SIZE  | SHANK<br>DIA. | FLUTE<br>LENGTH | OVERALL<br>LENGTH | PRICE EACH       |               |
|-------|---------------|-----------------|-------------------|------------------|---------------|
|       |               |                 |                   | SOLID<br>CARBIDE | TIN<br>COATED |
|       |               |                 |                   | SCMDEM-4S        | SCMDEM-4ST    |
| 1/32  | 1/8           | 3/64            | 1-1/2             |                  |               |
| 3/64  | 1/8           | 1/16            | 1-1/2             |                  |               |
| 1/16  | 1/8           | 1/8             | 1-1/2             |                  |               |
| 5/64  | 1/8           | 1/8             | 1-1/2             |                  |               |
| 3/32  | 1/8           | 3/16            | 1-1/2             | CALL             | CALL          |
| 7/64  | 1/8           | 11/64           | 1-1/2             | FOR              | FOR           |
| 1/8   | 1/8           | 1/4             | 1-1/2             | PRICE            | PRICE         |
| 9/64  | 3/16          | 7/32            | 2                 |                  |               |
| 5/32  | 3/16          | 5/16            | 2                 |                  |               |
| 11/64 | 3/16          | 17/64           | 2                 |                  |               |
| 3/16  | 3/16          | 3/8             | 2                 |                  |               |

TOLERANCES

Flute Dia.: + .000 - .002"  
Shank Dia.: - .0001 - .0004"