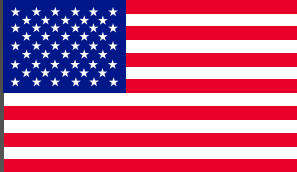


# **NTM** *Inc.*

ONE STOP TOOLING AND MACHINE SHOP

## **2025 Product & Services Catalog**



**Made in the USA**

**Magnetic V-Blocks**  
page 4

**Precision Production Machining**  
page 5

**Custom Tool Grinding & Sharpening**  
page 6

**STUBBY** Indexable Tools  
page 8

**NU-Head**  
page 11



ISO 9001:2015 Certified  
Quality Management System



**NTM, Inc.**  
**151 Longfellow Street N.E.**  
**Minneapolis, MN 55432**  
**Phone: 763-780-1420 | 800-274-4686**  
**Email: [sales@ntminc.com](mailto:sales@ntminc.com)**  
**[www.ntminc.com](http://www.ntminc.com)**



## Products & Services

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Magnetic V-Blocks page - 4  
Custom Tool Grinding page - 6  
Sharpening Capabilities page - 7  
Stubby® Advantage page - 8  
Stubby® Boring Bars Best Sellers page - 9  
NU-Heads page - 11  
Boring Bar Identification page - 12

#### Boring Bars

Carbide [MCLN-MWLN-MTLN](#) page - 13  
[SCLP-SCLC](#) page - 14  
[SDUP-SDUC](#) page - 15  
[STFC-STFP](#) page - 16  
[SWLP-SWLO](#) page - 17  
[SWLC-STJO](#) page - 18  
[STUP-STUC](#) page - 19  
[STUN-CTFP](#) page - 20  
[NELL-NKLC](#) page - 21  
[LSER-NER](#) page - 22

### RETURN POLICY

**NTM Inc.** will accept any catalog item for return in new unused condition within 30 days of shipment for account credit. After 30 days, a 20% restocking fee will apply. No returns will be accepted on catalog items after 90 days. **NTM Inc.** will not accept returns on non-catalog or special tooling.

**NTM Inc.** guarantees braze on all Stubby® Boring Bars and will replace or re-head any returned Boring Bars inspected by NTM and deemed a manufacturer defect. Credits will not be issued.

**NTM Inc.** guarantees all special tooling will be made according to customer specs. Please notify us within 30 days of receipt if any issues arise and we will remake tools to align with customer-approved print. Credits will not be issued for special tooling.

**\*\*Modification of any NTM Inc. product or special voids guarantee.**

# ULTRA PRECISION MAGNETIC V-BLOCKS



| Part Number | Holding Capacity   |
|-------------|--------------------|
| 41101-90    | .030" Ø - .625" Ø  |
| 41102-90    | .062" Ø - 1.250" Ø |

**IN STOCK**

Order online at  
**ntminc.com**

- Case hardened
- All surfaces ground parallel and perpendicular to one another within .0002" total tolerance
- Most accurate way to check small parts, frequently used in the medical industry
- Matched Sets are available upon request



# PRODUCTION MACHINING CAPABILITIES STATEMENT

*"NTM was started by my dad, Bob Thielen in 1976 to not only start his own business, but to become a niche machining company that supported national defense programs. He worked in the shop every day and grew the company to be a well-respected shop, now with our own product line of cutting tools. As a certified woman owned business, my goal continues to be the same. We continue to support DoD, holding an excellent supplier rating from our customers."*

*~ Barb Dorumsgaard, President*

## PRECISION MACHINING CORE COMPETENCIES

### • Production CNC Milling

- Up to 60" of "X" travel (left to right)
- Up to 29" of "Y" travel (front to back)
- Up to 25" of "Z" travel (up and down)

### • Production CNC Turning

- Live tooling lathe capability with sub spindle and bar feeder
  - ◆ Size of chuck (main spindle) 8"
  - ◆ Size of chuck (sub spindle) 6.5"
  - ◆ Max Bar stock dia. 2.6"
  - ◆ Max Bar length 36"
  - ◆ Max Turn length 20.47"

## EQUIPMENT LIST – 25,000 Square Feet of Production Area

- CNC Mitsubishi Machining Center
- YCM NXV1680B High Performance Vertical Machining Center
- OKK VM7III
- Daewoo DMV-500
- Doosan Puma 2100SY -  
Live Tooling Lathe sub spindle w/bar feeder
- Hyundai WIA SE 2200L Lathe
- DNM 6700 Vertical Machining Center
- (2) HAAS VF-1 Mills
- HAAS VF-2

**NTM line of OEM Stubby® Indexable cutting tools  
can be found on our website  
<https://www.ntminc.com>**

## OUR QUALITY POLICY

NTM is committed to comply with customer requirements and to provide on-time quality products through continuous improvement of our processes.

**Cage Code: 3W356**

**DUNS #071783401**

**NAICS Codes:**

332710 Machine Shops

332721 Precision Turned Product

333515 Cutting Tool & Machine Tool Mfg.

## CERTIFICATIONS

ISO 9001:2015

WOSB Cert. # WOSB181051

WBENC Cert. # WBE1801244

## PAST PERFORMANCE:

- Vendor for defense for 40 years
- BAE Gold Star Rating 2020
- BAE Gold Supplier of the Year Award 2021 & 2022
  - ◆ Outstanding Quality
  - ◆ Outstanding On-Time Delivery



**Made in USA**



## ***CUSTOM TOOL GRINDING CAPABILITIES STATEMENT***

**We specialize in tooling up to 10" overall length, Ø.125 to 2.00 in diameter.  
For larger sizes, contact us at [sales@ntminc.com](mailto:sales@ntminc.com).  
High Volume Loader work up to 5" OAL, Ø.750 and under.**

### **CORE COMPETENCIES:**

- Versatility and Innovation
- If you can dream up a tool we can make it!
  - Solid Carbide
  - Coolant Thru Carbide
  - Carbide Tipped
  - HSS
  - Special Coatings Available
- High Volume Lights out Manufacturing

### **GRINDING EQUIPMENT LIST:**

- (4) Walter Power 500 5 axis tool and cutter grinders
  - (3) with loaders
- (1) Helicheck PRO
- (1) ANCA RGX 5 axis grinder
- (1) TruTech Revolution CNC Centerless Grinder
- (1) TruTech T23X CNC OD Grinder 10" X 20" length
- (3) Okamoto 12"X24" Surface Grinders
- (6) Cincinnati Monoset Tool and Cutter Grinders
- (2) Cincinnati #2 Universal Grinders
- (2) Makino Universal Grinders
- (1) Hybco Cam Relief Grinder
- (2) Sheffield Microform Grinders

### **OUR QUALITY POLICY**

NTM is committed to comply with customer requirements and to provide on-time quality products through continuous improvement of our processes.

Contact  
[sales@ntminc.com](mailto:sales@ntminc.com)  
763-780-1420  
[www.ntminc.com](http://www.ntminc.com)

**DUNS #071783401**

#### **NAICS Codes:**

332710 Machine Shops  
332721 Precision Turned Product  
333515 Cutting Tool & Machine Tool Mfg.

**ITAR Registrant**

### **CERTIFICATIONS**

ISO 9001:2015

WOSB Cert. # WOSB181051

WBENC Cert. # WBE1801244

### **PAST PERFORMANCE:**

- Vendor for Lake City Army Ammunition Plant over 30 years providing cutters and bunters
- Tooling Supplier for OEM's for over 40 years
- Outstanding Quality



**Made in USA**



# TOOL SHARPENING CAPABILITIES

Extend the life of your tooling investment with our regrinding and sharpening service. Many special coatings are available, just ask!

- Carbide and HSS End Mills
- Rougher End Mills
- Carbide, HSS and Powdered Metal Drills
- Countersinks
- Threadmills
- Engraving Tools
- Dead Centers
- Reamers
- Center Drills
- Keyway / Woodruff Cutters
- Spot Drills
- Corner Rounds
- Counterbores / Spotfacers
- Spade Drill Inserts
- Slitting Saws
- Shapers
- Milling Cutters

*Let us know if you need an  
NTM reusable tote  
to transport your tools.*



**\*Re-Sharpener Tool Disclaimer:** Upon occasion while re-sharpening used tooling, damage may occur beyond repair, in which case NTM will credit up to 30% of the replacement cost of the damaged tool.  
Contact [sales@ntminc.com](mailto:sales@ntminc.com) or call 763-780-1420

# THE **STUBBY**® ADVANTAGE

## Stubby® Boring Bars:

- Patented Chisel Cut: "V" adaptation for steel head to carbide shank fit
- "V" allows more surface to braze joint
- The flat surface of the "V" allows gases of the brazing application to escape making the steel to carbide braze a stronger bond
- Offered in solid and coolant through
- Over 150 styles and sizes of heads available
- ***Our Top Selling Bars are now online and in stock!***
- Shorter Shanks
- Shorter Flute Lengths
- Greater Rigidity
- Longer Insert Life
- Higher Production Rates



***Guaranteed  
Patented Braze***



# **STUBBY®** Carbide Boring Bars

## **Stubby® Top Sellers are In Stock!**

The 15 Boring Bars listed on this page and the next are the only bars you can order through the website “ecommerce” function.

All other bars can be ordered by emailing [sales@ntminc.com](mailto:sales@ntminc.com) or calling 763-780-1420.



**3/4 Ø STUBBY®**  
Carbide Boring Bar With Coolant  
E12-SCLCR-3



**5/8 Ø STUBBY®**  
Carbide Boring Bar With Coolant  
E10-SCLCR-3



**1/2 Ø STUBBY®**  
Carbide Boring Bar With Coolant  
E08-STUCR-2



**1/2 Ø STUBBY®**  
Carbide Boring Bar With Coolant  
E08-SCLPR-2



**1/2 Ø STUBBY®**  
Carbide Boring Bar With Coolant  
E08-SCLCR-3



**1/2 Ø STUBBY®**  
Carbide Boring Bar With Coolant  
E08-SCLCR-2

**ORDER ONLINE TODAY! at [ntminc.com](http://ntminc.com)**

Active Distributors: Please call or email for your code  
[sales@ntminc.com](mailto:sales@ntminc.com) | 763-780-1420



# STUBBY® Carbide Boring Bars



**3/8 Ø STUBBY®  
Carbide Boring Bar With Coolant  
E06-SCLPR-2**



**3/8 Ø STUBBY®  
Carbide Boring Bar With Coolant  
E06-SCLCR-2**



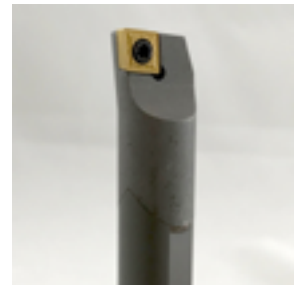
**5/16 Ø STUBBY®  
Carbide Boring Bar With Coolant  
E05-SCLCR-2**



**3/4 Ø STUBBY®  
Carbide Boring Bar  
C12-SCLCR-3**



**5/8 Ø STUBBY®  
Carbide Boring Bar  
C10-SCLCR-3**



**1/2 Ø STUBBY®  
Carbide Boring Bar  
C08-SCLCR-3**



**1/2 Ø STUBBY®  
Carbide Boring Bar  
C08-SCLCR-2**



**3/8 Ø STUBBY®  
Carbide Boring Bar  
C06-SCLCR-2**



**5/16 Ø STUBBY®  
Carbide Boring Bar  
C05-SCLCR-2**

**ORDER ONLINE TODAY! at [ntminc.com](http://ntminc.com)**

## NU-Head™

### Replacement Head System for Carbide Shank Boring Bars

- Damaged Carbide Indexable Boring Bars  
Repaired for Half the Price of New in one week!
- 5/16" and up
- 150 Different Sizes and Styles of Heads in Stock  
for you to choose from



| Bar Type                  |
|---------------------------|
| C Solid Carbide Bar       |
| D Heavy Metal Bar         |
| E Carbide Bar w / Coolant |

| Bar Ø & Length |         |          |
|----------------|---------|----------|
| 03             | 3/16" Ø | 4.50 OAL |
| 04             | 1/4" Ø  | 4.50 OAL |
| 05             | 5/16" Ø | 4.50 OAL |
| 06             | 3/8" Ø  | 4.75 OAL |
| 08             | 1/2" Ø  | 5.00 OAL |
| 10             | 5/8" Ø  | 7.00 OAL |
| 12             | 3/4" Ø  | 7.00 OAL |
| 16             | 1.0" Ø  | 7.00 OAL |

| Lead Angle |
|------------|
| F 0°       |
| L -5°      |
| U -3°      |
| J -2°      |

**C 1 2 - S C L C R 3**

| Insert Clamping |
|-----------------|
| M MultiClamp    |
| N TopNotchClamp |
| S ScrewDown     |
| C TopClamp      |

| Insert         |
|----------------|
| C 80° Diamond  |
| D 55° Diamond  |
| T 60° Triangle |
| V 35° Diamond  |
| W 80° Trigon   |

| Insert Clearance Angle |
|------------------------|
| C 7°                   |
| N 0°                   |
| P 11°                  |
| O Specific Description |

| Bar Cut      |
|--------------|
| L Left Hand  |
| R Right Hand |

| Insert Size |
|-------------|
| 1.5 .187 IC |
| 1.8 .218 IC |
| 2 .250      |
| 3 .375 IC   |
| 4 .500 IC   |

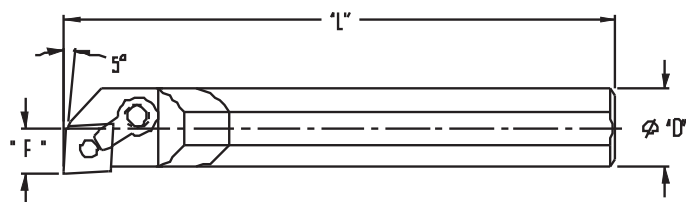




# Carbide Boring Bars

## MCLN

\*Boring & Facing  
\*Uses CNMG insert



carbide shank

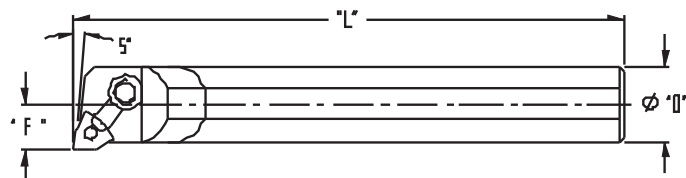
| Catalog Number | Shank Dia. | L  | F     | Min. Bore | Clamp/Screw  | Cam Screw | Insert   |
|----------------|------------|----|-------|-----------|--------------|-----------|----------|
| C16-MCLNR/L-4  | 1          | 7" | 0.625 | 1.135     | CK-20/STC-11 | NL-44     | CNMG-432 |

"R" for right hand bar  
"L" for left hand bar

"C" for solid shank  
"E" for coolant thru

## MWLN

\*Boring & Facing  
\*Uses WNMG insert



carbide shank

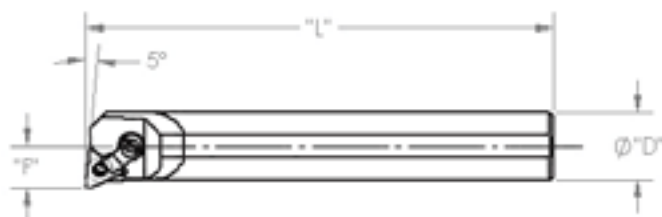
| Catalog Number | Shank Dia. | L  | F     | Min. Bore | Clamp/Screw  | Cam Screw | Insert   |
|----------------|------------|----|-------|-----------|--------------|-----------|----------|
| C10-MWLN-3     | 0.625      | 7" | 0.44  | 0.76      | CK-5/STC-5   | NL-33     | WNMG-322 |
| C12-MWLN/L-3   | 0.75       | 7" | 0.50  | 0.885     | CK-6/STC-5   | NL-33     | WNMG-322 |
| C12-MWLN-33    | 0.75       | 7" | 0.50  | 0.885     | CK-7/STC-9   | NL-33L    | WNMG-332 |
| C16-MWLN/L-3   | 1          | 7" | 0.625 | 1.135     | CK-6/STC-5   | NL-33     | WNMG-322 |
| C16-MWLN-4     | 1          | 7" | 0.625 | 1.135     | CK-20/STC-11 | NL-44     | WNMG-432 |

"R" for right hand bar  
"L" for left hand bar

"C" for solid shank  
"E" for coolant thru

## MTLN

\*Boring & Facing  
\*Uses TNGA insert



carbide shank

| Catalog Number | Shank Dia. | L  | F     | Min. Bore | Clamp/Screw | Cam Screw | Insert   |
|----------------|------------|----|-------|-----------|-------------|-----------|----------|
| C16-MTLNR-3    | 1          | 7" | 0.625 | 1.135     | CK-7/STC-9  | NL-33L    | TNGA-332 |

"R" for right hand bar  
"L" for left hand bar

"C" for solid shank  
"E" for coolant thru

\*Heavy metal shanks available, please call for quote\*  
1-800-274-4686



Made in USA

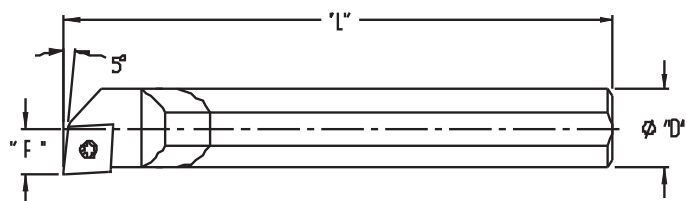




# Carbide Boring Bars

## SCLP

\*Boring & Facing  
\*Uses CPMT insert



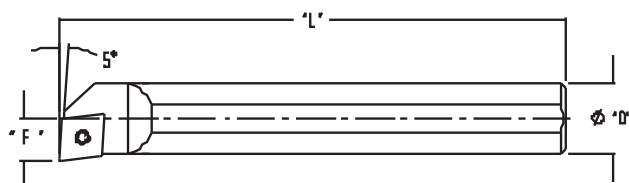
carbide shank

| Catalog Number  | Shank Dia. | L      | F     | Min. Bore | Insert Screw | Insert       |
|-----------------|------------|--------|-------|-----------|--------------|--------------|
| C05-SCLPR/L-1.8 | 0.312      | 4-1/2" | 0.219 | 0.385     | MS-1152      | CPMT-1.81.51 |
| C05-SCLPR/L-2   | 0.312      | 4-1/2" | 0.219 | 0.385     | MS-1153      | CPMT-21.51   |
| C06-SCLPR/L-2   | 0.375      | 4-3/4" | 0.25  | 0.447     | MS-1153      | CPMT-21.51   |
| C08-SCLPR/L-2   | 0.5        | 5"     | 0.312 | 0.572     | MS-1153      | CPMT-21.51   |
| C08-SCLPR/L-3   | 0.5        | 5"     | 0.312 | 0.572     | MS-1155      | CPMT-32.52   |
| C10-SCLPR/L-2   | 0.625      | 7"     | 0.406 | 0.728     | MS-1153      | CPMT-21.51   |
| C10-SCLPR/L-3   | 0.625      | 7"     | 0.406 | 0.728     | MS-1155      | CPMT-32.52   |
| C12-SCLPR/L-3   | 0.75       | 7"     | 0.5   | 0.885     | MS-1155      | CPMT-32.52   |
| C16-SCLPR/L-3   | 1          | 7"     | 0.625 | 1.135     | MS-1155      | CPMT-32.52   |

↑  
"C" for solid shank  
"E" for coolant thru  
↑  
"R" for right hand bar  
"L" for left hand bar

## SCLC

\*Boring & Facing  
\*Uses CCMT insert



carbide shank

| Catalog Number | Shank Dia. | L      | F     | Min. Bore | Insert Screw | Insert     |
|----------------|------------|--------|-------|-----------|--------------|------------|
| C05-SCLCR/L-2  | 0.312      | 4-1/2" | 0.219 | 0.385     | 5513-020-03  | CCMT-21.51 |
| C06-SCLCR/L-2  | 0.375      | 4-3/4" | 0.25  | 0.447     | 5513-020-03  | CCMT-21.51 |
| C08-SCLCR/L-2  | 0.5        | 5"     | 0.312 | 0.572     | 5513-020-03  | CCMT-21.51 |
| C08-SCLCR/L-3  | 0.5        | 5"     | 0.312 | 0.572     | 5513-020-09  | CCMT-32.52 |
| C10-SCLCR/L-2  | 0.625      | 7"     | 0.406 | 0.728     | 5513-020-03  | CCMT-21.51 |
| C10-SCLCR/L-3  | 0.625      | 7"     | 0.406 | 0.728     | 5513-020-09  | CCMT-32.52 |
| C12-SCLCR/L-3  | 0.75       | 7"     | 0.5   | 0.885     | 5513-020-09  | CCMT-32.52 |
| C16-SCLCR/L-3  | 1          | 7"     | 0.625 | 1.135     | 5513-020-09  | CCMT-32.52 |
| C16-SCLCR/L-4  | 1          | 7"     | 0.641 | 1.15      | 5513-020-17  | CCMT-432   |

↑  
"C" for solid shank  
"E" for coolant thru  
↑  
"R" for right hand bar  
"L" for left hand bar

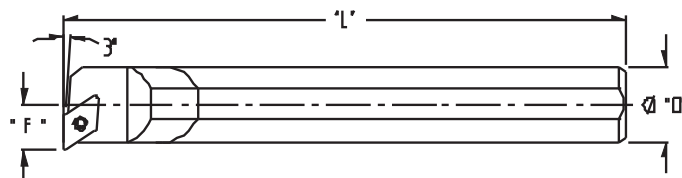
\*Heavy metal shanks available, please call for quote\*  
1-800-274-4686



# Carbide Boring Bars

## SDUP

\*Boring & Facing  
\*Uses DPMT insert



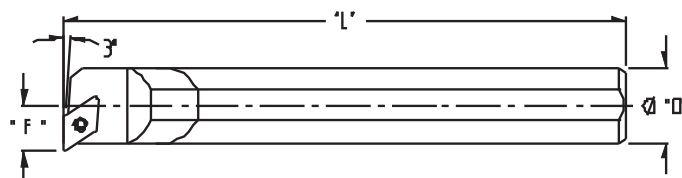
carbide shank

| Catalog Number | Shank Dia. | L      | F     | Min. Bore | Insert Screw | Insert     |
|----------------|------------|--------|-------|-----------|--------------|------------|
| C06-SDUPR/L-2  | 0.375      | 4-3/4" | 0.375 | 0.572     | MS-1153      | DPMT-21.51 |
| C08-SDUPR/L-2  | 0.5        | 5"     | 0.437 | 0.697     | MS-1153      | DPMT-21.51 |
| C10-SDUPR/L-2  | 0.625      | 7"     | 0.5   | 0.822     | MS-1153      | DPMT-21.51 |
| C12-SDUPR/L-3  | 0.75       | 7"     | 0.562 | 0.947     | MS-1155      | DPMT-32.52 |

↑  
↑  
"R" for right hand bar  
"L" for left hand bar  
"C" for solid shank  
"E" for coolant thru

## SDUC

\*Boring & Facing  
\*Uses DCMT insert



carbide shank

| Catalog Number | Shank Dia. | L      | F     | Min. Bore | Insert Screw | Insert     |
|----------------|------------|--------|-------|-----------|--------------|------------|
| C06-SDUCR/L-2  | 0.375      | 4-3/4" | 0.375 | 0.572     | 5513-020-03  | DCMT-21.51 |
| C08-SDUCR/L-2  | 0.5        | 5"     | 0.437 | 0.697     | 5513-020-03  | DCMT-21.51 |
| C10-SDUCR/L-2  | 0.625      | 7"     | 0.5   | 0.822     | 5513-020-03  | DCMT-21.51 |
| C12-SDUCR/L-3  | 0.75       | 7"     | 0.625 | 1.01      | 5513-020-09  | DCMT-32.52 |

↑  
↑  
"R" for right hand bar  
"L" for left hand bar  
"C" for solid shank  
"E" for coolant thru

\*Heavy metal shanks available, please call for quote\*  
1-800-274-4686



Made in USA

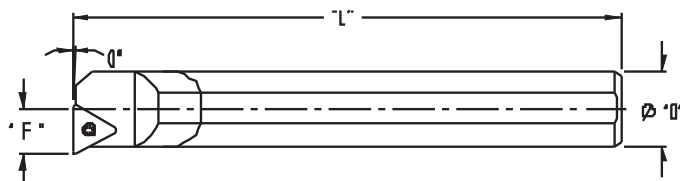




# Carbide Boring Bars

## STFC

\*Boring & Facing  
\*Uses TCMT insert



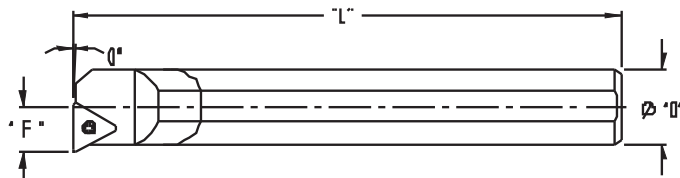
carbide shank

| Catalog Number | Shank Dia. | L      | F     | Min. Bore | Insert Screw | Insert     |
|----------------|------------|--------|-------|-----------|--------------|------------|
| C06-STFCR/L-2  | 0.375      | 4-3/4" | 0.25  | 0.447     | 5513-020-03  | TCMT-21.51 |
| C08-STFCR/L-2  | 0.5        | 5"     | 0.312 | 0.572     | 5513-020-03  | TCMT-21.51 |
| C10-STFCR/L-2  | 0.625      | 7"     | 0.406 | 0.728     | 5513-020-03  | TCMT-21.51 |
| C12-STFCR/L-2  | 0.75       | 7"     | 0.5   | 0.885     | 5513-020-03  | TCMT-21.51 |
| C12-STFCR/L-3  | 0.75       | 7"     | 0.5   | 0.885     | 5513-020-09  | TCMT-32.52 |

↑ "R" for right hand bar  
↑ "L" for left hand bar  
↑ "C" for solid shank  
↑ "E" for coolant thru

## STFP

\*Boring & Facing  
\*Uses TPMT insert



carbide shank

| Catalog Number | Shank Dia. | L      | F     | Min. Bore | Insert Screw | Insert     |
|----------------|------------|--------|-------|-----------|--------------|------------|
| C06-STFPR/L-2  | 0.375      | 4-3/4" | 0.25  | 0.447     | MS-1153      | TPMT-21.51 |
| C08-STFPR/L-2  | 0.5        | 5"     | 0.312 | 0.572     | MS-1153      | TPMT-21.51 |
| C10-STFPR/L-2  | 0.625      | 7"     | 0.406 | 0.728     | MS-1153      | TPMT-21.51 |
| C12-STFPR/L-3  | 0.75       | 7"     | 0.5   | 0.885     | MS-1155      | TPMT-32.52 |

↑ "R" for right hand bar  
↑ "L" for left hand bar  
↑ "C" for solid shank  
↑ "E" for coolant thru

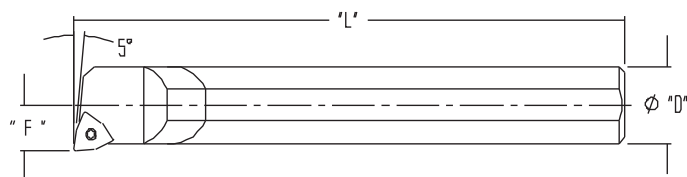
\*Heavy metal shanks available, please call for quote\*  
1-800-274-4686



# Carbide Boring Bars

## SWLP

\*Boring & Facing  
\*Uses WPMT insert



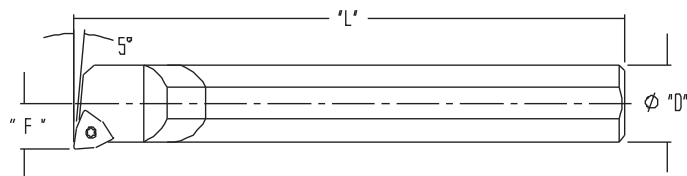
carbide shank

| Catalog Number   | Shank Dia. | L      | F     | Min. Bore | Insert Screw | Insert       |
|------------------|------------|--------|-------|-----------|--------------|--------------|
| C03-SWLPR/L-1.5* | 0.187      | 4-1/2" | 0.126 | 0.229     | MS-1438      | WPMT-1.51.21 |
| C04-SWLPR/L-1.5  | 0.25       | 4-1/2" | 0.156 | 0.291     | MS-1438      | WPMT-1.51.21 |
| C05-SWLPR/L-1.5  | 0.312      | 4-1/2" | 0.219 | 0.385     | MS-1438      | WPMT-1.51.21 |
| C06-SWLPR/L-2    | 0.375      | 4-3/4" | 0.25  | 0.447     | MS-1153      | WPMT-21.51   |
| C08-SWLPR-2      | 0.5        | 5"     | 0.312 | 0.572     | MS-1153      | WPMT-21.51   |
| C10-SWLPR-3      | 0.625      | 7"     | 0.406 | 0.728     | MS-1155      | WPMT-32.52   |
| C12-SWLPR-3      | 0.75       | 7"     | 0.5   | 0.885     | MS-1155      | WPMT-32.52   |

↑  
↑  
"R" for right hand bar  
"L" for left hand bar  
"C" for solid shank  
"E" for coolant thru

## SWLO

\*Boring & Facing  
\*Uses WCMT insert



carbide shank

| Catalog Number | Shank Dia. | L      | F     | Min. Bore | Insert Screw | Insert      |
|----------------|------------|--------|-------|-----------|--------------|-------------|
| CSWLOR 055*    | 0.187      | 4-1/2" | 0.114 | 0.217     | TS-21        | WCMT 1.21   |
| CSWLOR 065     | 0.25       | 4-1/2" | 0.156 | 0.291     | TS-2         | WCMT 1.21   |
| CSWLOR 066     | 0.312      | 4-1/2" | 0.188 | 0.354     | TS-2         | WCMT 1.51.5 |
| CSWLO504R      | 0.312      | 4-1/2" | 0.203 | 0.369     | TS-25        | WCMT 21.51  |
| CSWLOR 070     | 0.375      | 4-3/4" | 0.218 | 0.416     | TS-25        | WCMT 21.51  |
| CSWLOR 062     | 0.375      | 4-3/4" | 0.25  | 0.447     | TS-25        | WCMT 21.51  |
| CSWLOR 082     | 0.5        | 5"     | 0.312 | 0.572     | TS-25        | WCMT 21.51  |
| CSWLOR 102     | 0.625      | 7"     | 0.375 | 0.697     | TS-25        | WCMT 21.51  |
| CSWLOR 103     | 0.625      | 7"     | 0.375 | 0.697     | TS-4         | WCMT 32.52  |
| CSWLOR 123     | 0.75       | 7"     | 0.5   | 0.885     | TS-4         | WCMT 32.52  |

↑  
"C" for solid shank  
For coolant thru add  
"C" to the end of the  
part number i.e.  
CSWLOR 123C

\*Heavy metal shanks available, please call for quote\*  
1-800-274-4686

\*Coolant thru not available

\*\*Heavy Metal not available under 3/8"



Made in USA



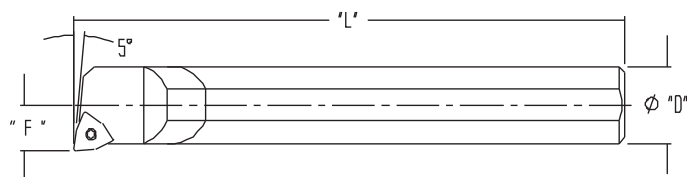




# Carbide Boring Bars

## SWLC

\*Boring & Facing  
\*Uses WCMT insert



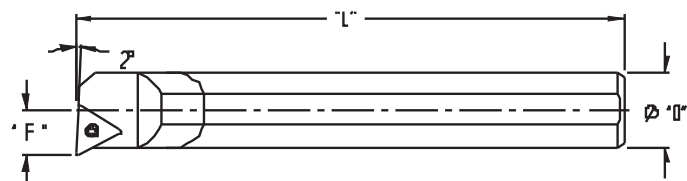
carbide shank

| Catalog Number  | Shank Dia. | L      | F     | Min. Bore | Insert Screw | Insert      |
|-----------------|------------|--------|-------|-----------|--------------|-------------|
| C03-SWLCR-1.2*  | 0.187      | 4-1/2" | 0.114 | 0.217     | TS-21        | WCMT 1.21   |
| C04-SWLCR-1.2   | 0.25       | 4-1/2" | 0.156 | 0.291     | TS-2         | WCMT 1.21   |
| C05-SWLCR-1.5   | 0.312      | 4-1/2" | 0.188 | 0.354     | TS-2         | WCMT 1.51.5 |
| C05-SWLCR-2     | 0.312      | 4-1/2" | 0.203 | 0.369     | TS-25        | WCMT 21.51  |
| C06-SWLCR-2-218 | 0.375      | 4-3/4" | 0.218 | 0.416     | TS-25        | WCMT 21.51  |
| C06-SWLCR-2     | 0.375      | 4-3/4" | 0.25  | 0.447     | TS-25        | WCMT 21.51  |
| C08-SWLCR-2     | 0.5        | 5"     | 0.312 | 0.572     | TS-25        | WCMT 21.51  |
| C10-SWLCR-2     | 0.625      | 7"     | 0.375 | 0.697     | TS-25        | WCMT 21.51  |
| C10-SWLCR-3     | 0.625      | 7"     | 0.375 | 0.697     | TS-4         | WCMT 32.52  |
| C12-SWLCR-3     | 0.75       | 7"     | 0.5   | 0.885     | TS-4         | WCMT 32.52  |

↑  
↑  
"R" for right hand bar  
"L" for left hand bar  
"C" for solid shank  
"E" for coolant thru

## STJO

\*Boring & Facing  
\*Uses TPGP insert



carbide shank

| Catalog Number | Shank Dia. | L      | F     | Min. Bore | Insert Screw | Insert   |
|----------------|------------|--------|-------|-----------|--------------|----------|
| CSTJOR/L 062   | 0.375      | 4-3/4" | 0.25  | 0.447     | BHF0306R     | TPGP-221 |
| CSTJOR/L 082   | 0.5        | 5"     | 0.312 | 0.572     | BHF0308R     | TPGP-221 |
| CSTJOR/L 102   | 0.625      | 7"     | 0.375 | 0.697     | BHF0308R     | TPGP-221 |
| CSTJOR/L 123   | 0.75       | 7"     | 0.5   | 0.885     | BFTX0410A    | TPGP-332 |

↑  
↑  
"R" for right hand bar  
"L" for left hand bar  
"C" for solid shank  
For coolant thru add  
"C" to the end of the  
part number i.e.  
CSTJOR 123C

\*Heavy metal shanks available, please call for quote\*  
1-800-274-4686

\*Coolant thru not available

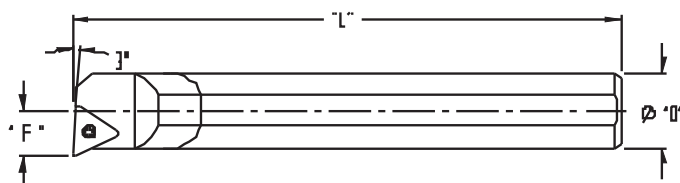
\*\*Heavy Metal not available under 3/8"



# Carbide Boring Bars

## STUP

\*Boring & Facing  
\*Uses TPMT insert



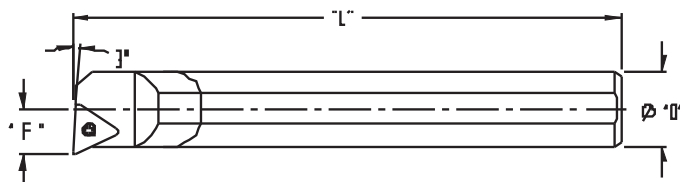
carbide shank

| Catalog Number | Shank Dia. | L      | F     | Min. Bore | Insert Screw | Insert     |
|----------------|------------|--------|-------|-----------|--------------|------------|
| C06-STUPR/L-2  | 0.375      | 4-3/4" | 0.25  | 0.447     | MS-1153      | TPMT-21.51 |
| C08-STUPR/L-2  | 0.5        | 5"     | 0.312 | 0.572     | MS-1153      | TPMT-21.51 |
| C10-STUPR/L-2  | 0.625      | 7"     | 0.406 | 0.728     | MS-1153      | TPMT-21.51 |
| C12-STUPR/L-3  | 0.75       | 7"     | 0.5   | 0.885     | MS-1155      | TPMT-32.51 |
| C16-STUPR-3    | 1          | 7"     | 0.625 | 1.135     | MS-1155      | TPMT-32.52 |

↑  
↑  
"R" for right hand bar  
"L" for left hand bar  
"C" for solid shank  
"E" for coolant thru

## STUC

\*Boring & Facing  
\*Uses TCMT insert



carbide shank

| Catalog Number | Shank Dia. | L      | F     | Min. Bore | Insert Screw | Insert     |
|----------------|------------|--------|-------|-----------|--------------|------------|
| C06-STUCR/L-2  | 0.375      | 4-3/4" | 0.25  | 0.447     | 5513-020-03  | TCMT-21.51 |
| C08-STUCR/L-2  | 0.5        | 5"     | 0.312 | 0.572     | 5513-020-03  | TCMT-21.51 |
| C10-STUCR/L-2  | 0.625      | 7"     | 0.406 | 0.728     | 5513-020-03  | TCMT-21.51 |
| C10-STUCR/L-3  | 0.625      | 7"     | 0.406 | 0.728     | 5513-020-09  | TCMT-32.51 |
| C12-STUCR/L-2  | 0.75       | 7"     | 0.5   | 0.885     | 5513-020-03  | TCMT-21.51 |
| C12-STUCR/L-3  | 0.75       | 7"     | 0.5   | 0.885     | 5513-020-09  | TCMT-32.52 |
| C16-STUCR-3    | 1          | 7"     | 0.625 | 1.135     | 5513-020-09  | TCMT 32.52 |

↑  
↑  
"R" for right hand bar  
"L" for left hand bar  
"C" for solid shank  
"E" for coolant thru

\*Heavy metal shanks available, please call for quote\*  
1-800-274-4686



Made in USA

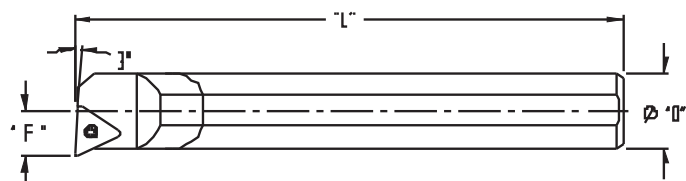




# Carbide Boring Bars

## STUN

\*Boring & Facing  
\*Uses T insert



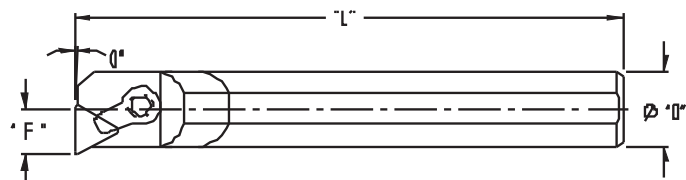
carbide shank

| Catalog Number | Shank Dia. | L      | F     | Min. Bore | Insert Screw | Insert |
|----------------|------------|--------|-------|-----------|--------------|--------|
| C06-STUNR/L-2  | 0.375      | 4-3/4" | 0.25  | 0.447     | S-930        | T-221P |
| C08-STUNR/L-2  | 0.5        | 5"     | 0.312 | 0.572     | S-930        | T-221P |
| C10-STUNR/L-2  | 0.625      | 7"     | 0.406 | 0.728     | S-930        | T-221P |
| C12-STUNR/L-3  | 0.75       | 7"     | 0.5   | 0.885     | S-944        | T-321P |
| C16-STUNR/L-3  | 1          | 7"     | 0.625 | 1.135     | S-944        | T-321P |

↑ "R" for right hand bar  
↑ "L" for left hand bar  
↑ "C" for solid shank  
↑ "E" for coolant thru

## CTFP

\*Boring & Facing  
\*Uses TPG insert



carbide shank

| Catalog Number | Shank Dia. | L  | F     | Min. Bore | Clamp/Screw    | Insert  |
|----------------|------------|----|-------|-----------|----------------|---------|
| C08-CTFPR/L-2  | 0.5        | 5" | 0.312 | 0.572     | CK-27 / STC-27 | TPG-221 |
| C10-CTFPR/L-2  | 0.625      | 7" | 0.406 | 0.728     | CK-19 / STC-9  | TPG-221 |
| C12-CTFPR/L-3  | 0.75       | 7" | 0.5   | 0.885     | CK-7 / STC-9   | TPG-322 |
| C16-CTFPR/L-3  | 1          | 7" | 0.625 | 1.135     | CK-20 / STC-11 | TPG-322 |

↑ "R" for right hand bar  
↑ "L" for left hand bar  
↑ "C" for solid shank  
↑ "E" for coolant thru

\*Uses Separate Chip Breakers\*

\*Heavy metal shanks available, please call for quote\*  
1-800-274-4686

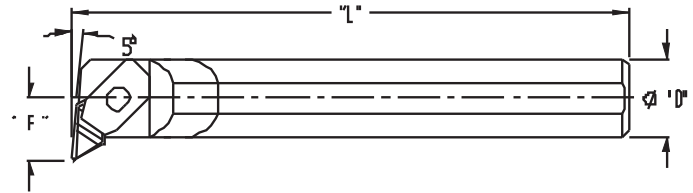


## NELR/NELL

\*PROFILE

\*Uses NPGR insert

# Carbide Boring Bars



carbide shank

| Catalog Number | Shank Dia. | L  | F     | Min. Bore | Clamp/Screw    | Insert   |
|----------------|------------|----|-------|-----------|----------------|----------|
| C08-NELL05     | 0.5        | 5" | 0.375 | 0.67      | CM-105 / S-518 | NPGR-51R |
| C08-NELR05     | 0.5        | 5" | 0.375 | 0.67      | CM-106 / S-518 | NPGR-51L |
| C10-NELL05     | 0.625      | 7" | 0.5   | 0.87      | CM-71 / S-524  | NPGR-51R |
| C10-NELR05     | 0.625      | 7" | 0.5   | 0.87      | CM-79 / S-524  | NPGR-51L |
| C12-NELL05     | 0.75       | 7" | 0.562 | 1         | CM-68 / S-524  | NPGR-51R |
| C12-NELR05     | 0.75       | 7" | 0.562 | 1         | CM-68 / S-524  | NPGR-51L |

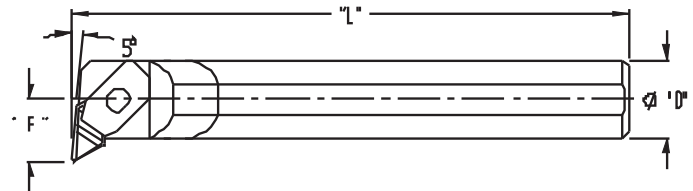
"R" for right hand bar  
 "L" for left hand bar  
 "C" for solid shank  
 "E" for coolant thru

\*Left Hand Bars use SM-285 Shim/S-959 Screw  
 \*Right Hand Bars use SM-286 Shim/S-959 Screw

## NKLC

\*PROFIL

\*Uses NPGR insert



carbide shank

| Catalog Number | Shank Dia. | L  | F     | Min. Bore | Clamp/Screw    | Insert   |
|----------------|------------|----|-------|-----------|----------------|----------|
| C08-NKLCL05    | 0.5        | 5" | 0.375 | 0.67      | CM-105 / S-518 | NPGR-51R |
| C08-NKLCR05    | 0.5        | 5" | 0.375 | 0.67      | CM-106 / S-518 | NPGR-51L |
| C10-NKLCL05    | 0.625      | 7" | 0.5   | 0.87      | CM-71 / S-524  | NPGR-51R |
| C10-NKLCR05    | 0.625      | 7" | 0.5   | 0.87      | CM-79 / S-524  | NPGR-51L |
| C12-NKLCL05    | 0.75       | 7" | 0.562 | 1         | CM-68 / S-524  | NPGR-51R |
| C12-NKLCR05    | 0.75       | 7" | 0.562 | 1         | CM-68 / S-524  | NPGR-51L |

"R" for right hand bar  
 "L" for left hand bar  
 "C" for solid shank  
 "E" for coolant thru

\*Left Hand Bars use SM-285 Shim/S-959 Screw  
 \*Right Hand Bars use SM-286 Shim/S-959 Screw

\*Heavy metal shanks available, please call for quote\*  
 1-800-274-4686

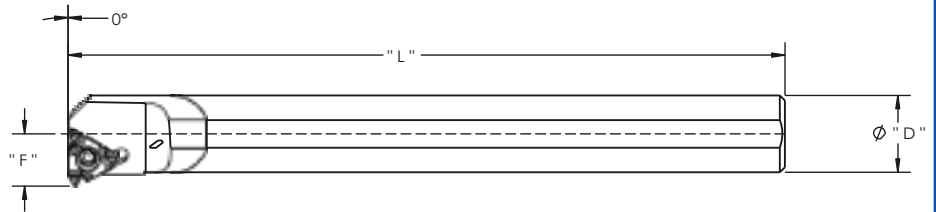


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# Carbide Thread Bars



## LSER

Laydown Thread  
\*Uses LT16 insert

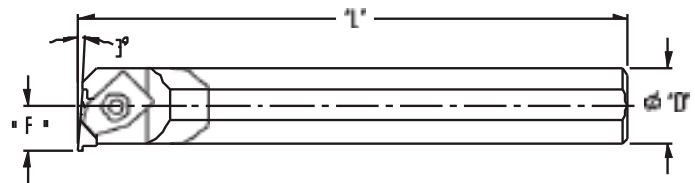
carbide shank

| Catalog Number | Shank Dia. | L  | F     | Min. Bore | Insert Screw | Insert |
|----------------|------------|----|-------|-----------|--------------|--------|
| C08-LSER-3     | 0.5        | 5" | 0.39  | 0.65      | MS-1155      | LT16   |
| C10-LSER-3     | 0.625      | 7" | 0.439 | 0.761     | MS-1155      | LT16   |
| C12-LSER-3     | 0.75       | 7" | 0.51  | 0.895     | MS-1155      | LT16   |

"C" for solid shank  
"E" for coolant thru

## NER/NEL

\*Thread & Groove  
\*Uses NG insert



carbide shank

| Catalog Number | Shank Dia. | L  | F     | Min. Bore | Clamp/Screw  | Insert |
|----------------|------------|----|-------|-----------|--------------|--------|
| C08-NEL2       | 0.5        | 5" | 0.437 | 0.697     | CM146/SC-110 | NG-2R  |
| C08-NER2       | 0.5        | 5" | 0.437 | 0.697     | CM147/SC-110 | NG-2L  |
| C10-NEL2       | 0.625      | 7" | 0.5   | 0.822     | CM-74/S-310  | NG-2R  |
| C10-NER2       | 0.625      | 7" | 0.5   | 0.822     | CM-75/S-310  | NG-2L  |
| C12-NEL2       | 0.75       | 7" | 0.562 | 0.947     | CM-74/S-310  | NG-2R  |
| C12-NER2       | 0.75       | 7" | 0.562 | 0.947     | CM-75/S-310  | NG-2L  |

"R" for right hand bar  
"L" for left hand bar

"C" for solid shank  
"E" for coolant thru

\*Heavy metal shanks available, please call for quote\*  
1-800-274-4686



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- LOYALTY
- POSITIVITY
- INTEGRITY



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