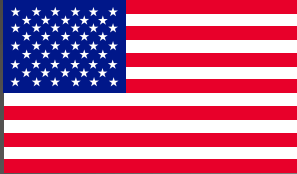


NTM *Inc.*

ONE STOP TOOLING AND MACHINE SHOP

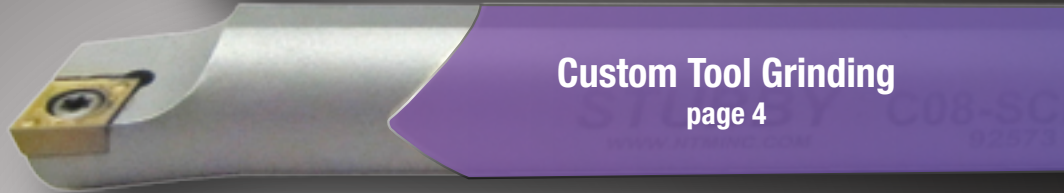
2022 Product & Services Catalog



Made in the USA



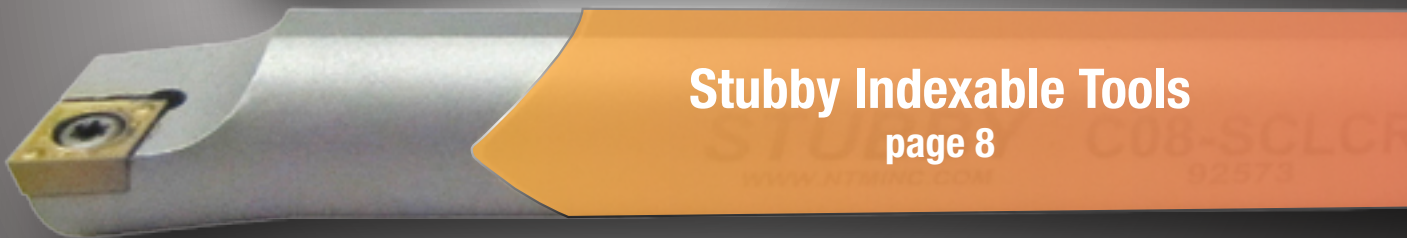
Precision Production Machining
page 2



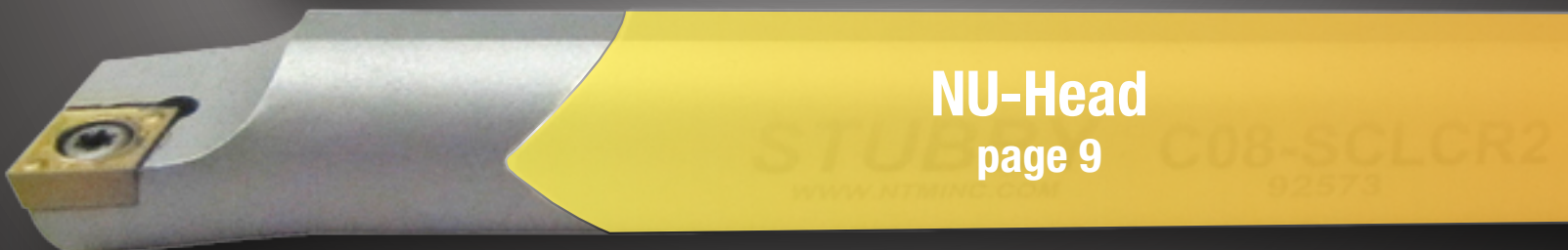
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page 8



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page 9

NTM, Inc.
151 Longfellow Street N.E.
Minneapolis, MN 55432
Phone: 763-780-1420 | 800-274-4686
Email: sales@ntminc.com
www.ntminc.com



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

- (2) CNC Mitsubishi Machining Centers
- (2) OKK VM7III
- DAEWOO DMV-500
- DAEWOO Mynx 540
- Doosan Puma 2100 Live Tooling Lathe sub spindle w/bar feeder
- Daewoo Puma 8S Lathe
- Mitsubishi MTC8A lathe
- (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.

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 defense for 40 years
- 2020 Gold Star Rating
 - ◆ Outstanding Quality
 - ◆ Outstanding On-Time Delivery



Made in USA



Products & Services

NTM Contacts

Main Number (763) 780-1420

Ryan Malik ryanm@ntminc.com # 210
Custom Tool Grinding, Sharpening

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Accounts Receivable, V-Blocks, Customer Service

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CNC Machining Department

Byron Grinager byrong@ntminc.com # 213
Shipping Department

Eddie Engesether eddiee@ntminc.com # 209
Quality Department

Vickie Parks vickiep@ntminc.com # 202
Business Development

Jerry Grell grellg@outlook.com 763-355-2109
Account Manager

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Boring Bars

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CUSTOM TOOL GRINDING CAPABILITIES STATEMENT

NTM Inc., One Stop Tooling and Machine Shop, for over 40 years NTM has served customers with custom tool grinding, from making tools of every shape and form to re-sharpening them back to new again. Serving OEM's with tooling from the grinding department, Stubby® indexable tooling, indexable NU tool, indexable tool repair and having a precision machining department we are still the One Stop Tooling and Machine Shop our customers count on for solutions. A certified WOSB and ISO 9001:2015 and ITAR registered we are here in the heart of friendly Fridley, Minnesota serving the manufacturing community locally and nationwide.

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
- Precision Manual Grinding
- Home of the Magnetic V-Block .0002 total tolerance, parallel and perpendicular
- Tool and Cutter Grinder Machinists with 50 years combined experience

GRINDING EQUIPMENT LIST:

- (3) Walter Power 500 5 axis tool and cutter grinders
 - (2) with loaders
- (1) ANCA TG7 5 axis grinder
- (1) ANCA RGX 5 axis grinder
- (1) TruTech Revolution CNC Centerless Grinder
- (1) TruTech T23X CNC OD Grinder 10" X 20" length
- (2) Okamoto 12"X24" Surface Grinders
- (6) Cincinnati Monoset Tool and Cutter Grinders
- (3) Cincinnati #2 Universal Grinders
- (3) Makino Universal Grinders
- (1) Hybco Cam Relief Grinder
- (2) Sheffield Microform Grinders
- (1) Colonial Broach Grinder

OUR QUALITY POLICY

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



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
- Outstanding On-Time Delivery



Made in USA



NTM SHARPENING CAPABILITIES

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



NTM also makes and sharpens all types of special tooling in Solid Carbide, Carbide Tipped and HSS.

ULTRA PRECISION MAGNETIC V-BLOCKS



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

- 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

STUBBY® BORING BARS



- Shorter Shanks
- Shorter Flute Lengths
- Greater Rigidity
- Longer Insert Life
- Higher Production Rates

Introducing **STUBBY® KITS**

Our Most Popular **STUBBY®** Catalog
Boring Bars with Inserts
in a Convenient Kit

One Bar + 5 Inserts - 40% Savings on Inserts

**Inserts listed are also available for purchase in 5pcs quantities at list price.



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 carried in stock



NU-Head™

Replacement Head System for Carbide Shank Boring Bars

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





WE OFFER SAME DAY SHIPPING!

Did you know NTM Inc. offers SAME DAY SHIPPING for all Carbide Boring Bars listed in our Catalog? Order a Standard STUBBY® carbide boring bar by 1PM* central time and we can ship it out the Same Day.

Notes

- Orders for bars with changes to bar length, number of flats, or any other dimension will not qualify for Same Day Shipping.
- Maximum order size \$1000 to be eligible for Same Day Shipping.
- Same Day shipping is limited to US addresses only.



*Ø5/8" and up need to be ordered by 10:30 AM central time for guaranteed Same Day shipping.

Bar Type	
A	Steel Bar w / Coolant
C	Solid Carbide Bar
D	Heavy Metal Bar
E	Carbide Bar w / Coolant
S	Steel Bar

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

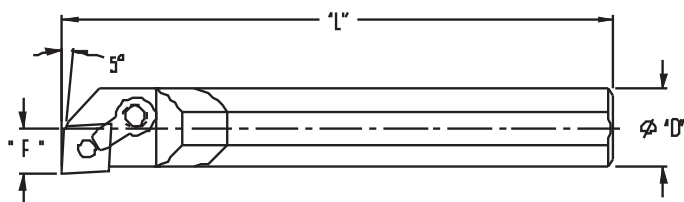
Insert Clearance Angle	
C	7°
N	0°
P	11°
O	Specific Description

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

MCLN

*Boring & Facing
*Uses CNMG insert



carbide shank

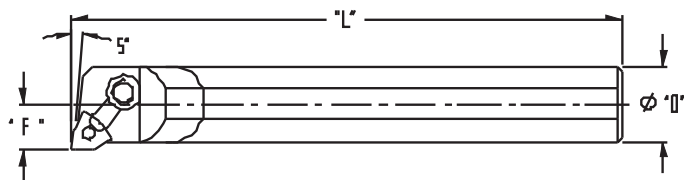
Catalog Number	Shank Dia.	L	F	Min. Bore	Clamp/Screw	Cam Screw	Insert
C16-MCLNR/L-4	1	7"	0.625	1.135	CK-20/STC-11	NL-44	CNMG-432

"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

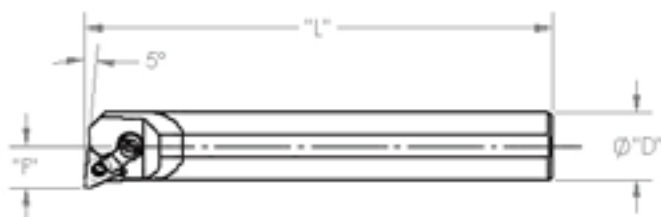
Catalog Number	Shank Dia.	L	F	Min. Bore	Clamp/Screw	Cam Screw	Insert
C10-MWLN-3	0.625	7"	0.44	0.76	CK-5/STC-5	NL-33	WNMG-322
C12-MWLN/L-3	0.75	7"	0.50	0.885	CK-6/STC-5	NL-33	WNMG-322
C12-MWLN-33	0.75	7"	0.50	0.885	CK-7/STC-9	NL-33L	WNMG-332
C16-MWLN/L-3	1	7"	0.625	1.135	CK-6/STC-5	NL-33	WNMG-322
C16-MWLN-4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

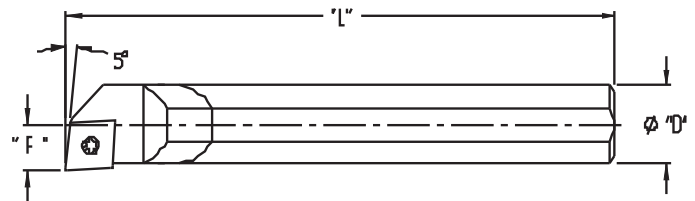
"C" for solid shank
"E" for coolant thru

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

Carbide Boring Bars

SCLP

*Boring & Facing
*Uses CPMT insert



carbide shank

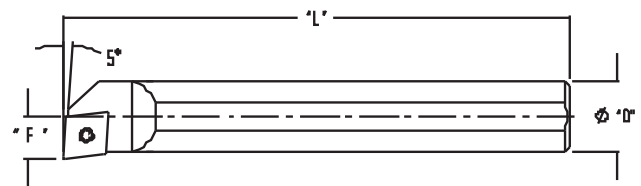
Catalog Number	Shank Dia.	L	F	Min. Bore	MS-1152	Insert
C05-SCLPR/L-1.8	0.312	4-1/2"	0.219	0.385	5513-020-03	CPMT-1.81.51
C05-SCLPR/L-2	0.312	4-1/2"	0.219	0.385	5513-020-03	CPMT-21.51
C06-SCLPR/L-2	0.375	4-3/4"	0.25	0.447	5513-020-03	CPMT-21.51
C08-SCLPR/L-2	0.5	5"	0.312	0.572	5513-020-03	CPMT-21.51
C08-SCLPR/L-3	0.5	5"	0.312	0.572	5513-020-09	CPMT-32.52
C10-SCLPR/L-2	0.625	7"	0.406	0.728	5513-020-03	CPMT-21.51
C10-SCLPR/L-3	0.625	7"	0.406	0.728	5513-020-09	CPMT-32.52
C12-SCLPR/L-3	0.75	7"	0.5	0.885	5513-020-09	CPMT-32.52
C16-SCLPR/L-3	1	7"	0.625	1.135	5513-020-09	CPMT-32.52
C16-SCLPR/L-4	1	7"	0.641	1.15	5513-020-17	CPMT-432

"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

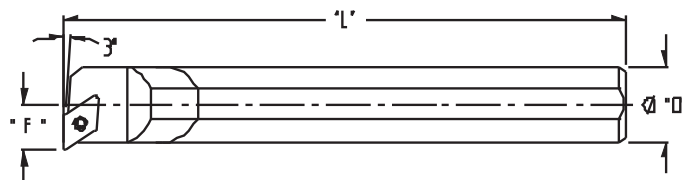


Made in USA



SDUP

*Boring & Facing
*Uses DPMT insert



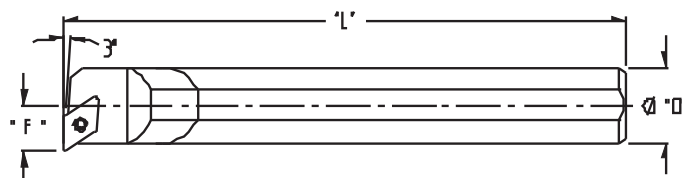
carbide shank

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

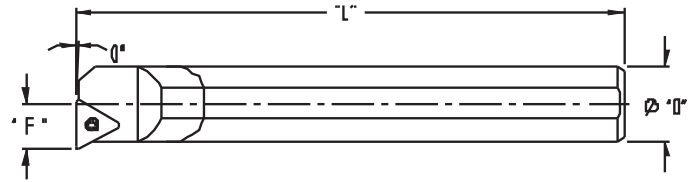
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"R" for right hand bar
"L" for left hand bar
"C" for solid shank
"E" for coolant thru

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

Carbide Boring Bars

STFC

*Boring & Facing
*Uses TCMT insert



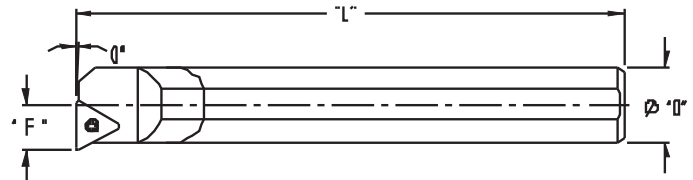
carbide shank

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

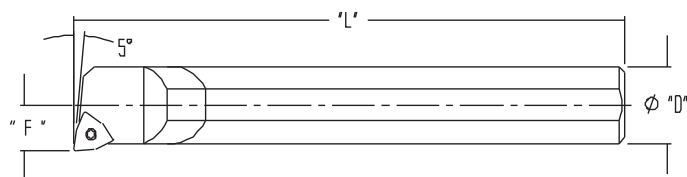


Made in USA



SWLP

*Boring & Facing
*Uses WPMT insert



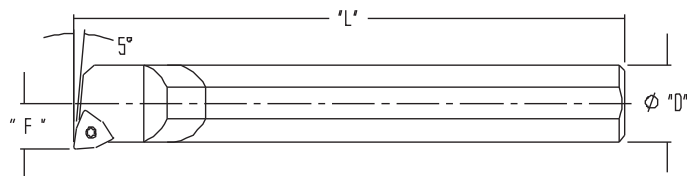
carbide shank

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

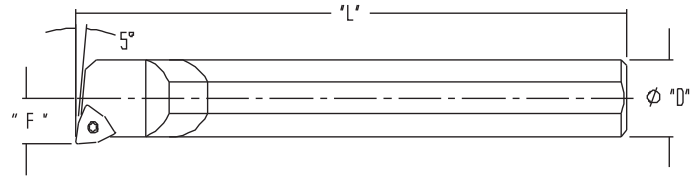
*Coolant thru not available

**Heavy Metal not available under 3/8"

Carbide Boring Bars

SWLC

*Boring & Facing
*Uses WCMT insert



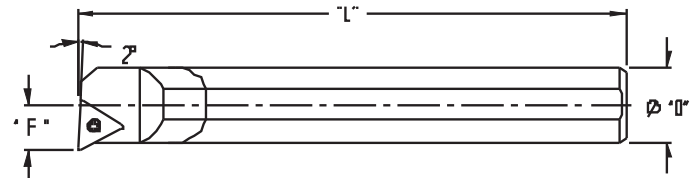
carbide shank

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"

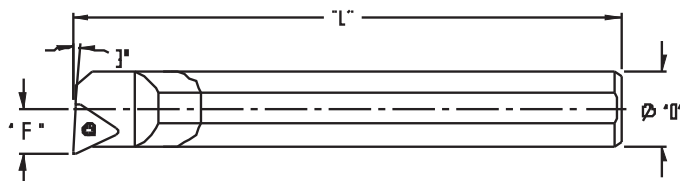


Made in USA



STUP

*Boring & Facing
*Uses TPMT insert



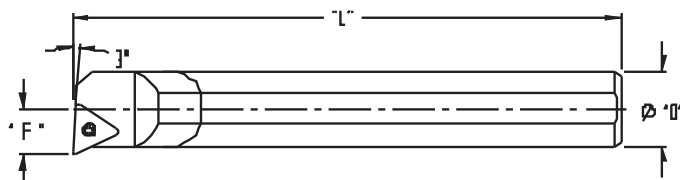
carbide shank

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

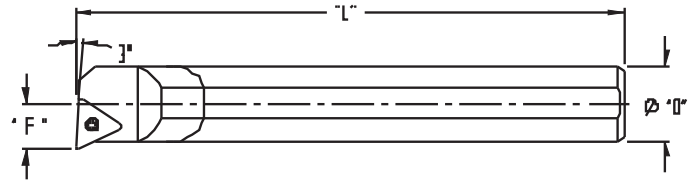
↑ "R" for right hand bar
↑ "L" for left hand bar
↑ "C" for solid shank
↑ "E" for coolant thru

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

Carbide Boring Bars

STUN

*Boring & Facing
*Uses T insert



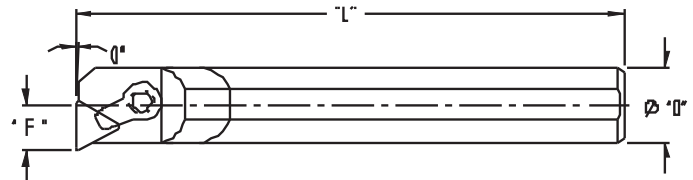
carbide shank

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



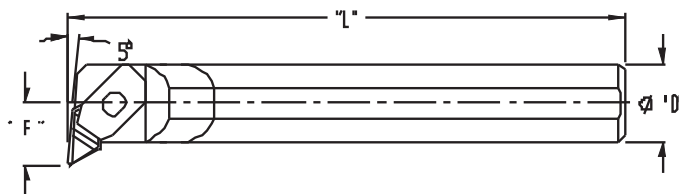
Made in USA



NELR/NELL

*PROFILE

*Uses NPGR insert



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

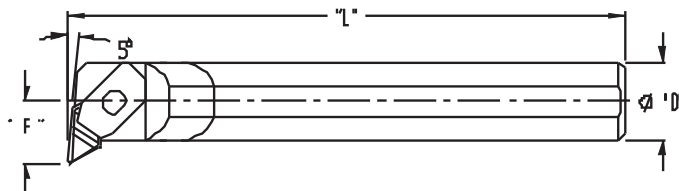
↑
↑
"R" for right hand bar
"L" for left hand bar
"C" for solid shank
"E" for coolant thru

*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

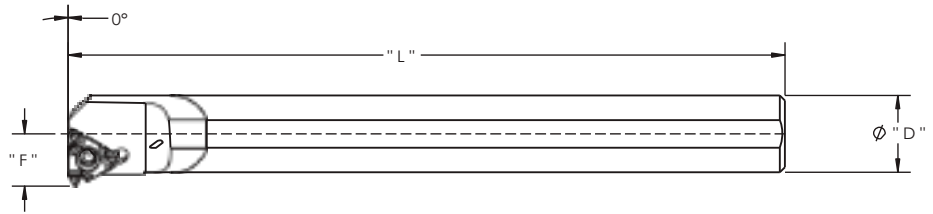
Catalog Number	Shank Dia.	L	F	Min. Bore	Clamp/Screw	Insert
C08-NKLCL05	0.5	5"	0.375	0.67	CM-105 / S-518	NPGR-51R
C08-NKLCR05	0.5	5"	0.375	0.67	CM-106 / S-518	NPGR-51L
C10-NKLCL05	0.625	7"	0.5	0.87	CM-71 / S-524	NPGR-51R
C10-NKLCR05	0.625	7"	0.5	0.87	CM-79 / S-524	NPGR-51L
C12-NKLCL05	0.75	7"	0.562	1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

Carbide Thread Bars



LSER

Laydown Thread
*Uses LT16 insert

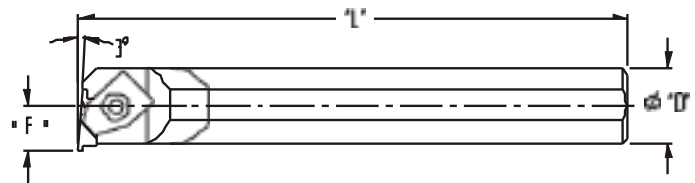
carbide shank

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

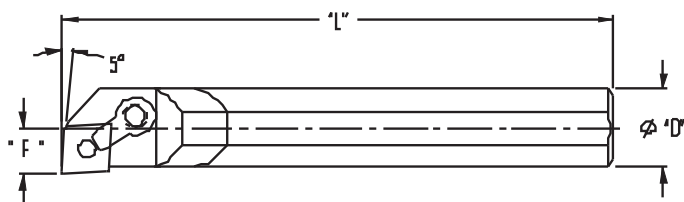


Made in USA



MCLN

*Boring & Facing
*Uses CNMG insert



steel shank

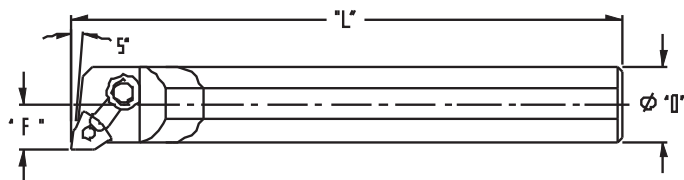
Catalog Number	Shank Dia.	L	F	Min. Bore	Clamp/Screw	Cam Screw	Insert
S16-MCLNR/L-4	1	7"	0.625	1.135	CK-20/STC-11	NL-44	CNMG-432

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

"S" for solid shank
"A" for coolant thru

MWLN

*Boring & Facing
*Uses WNMG insert



steel shank

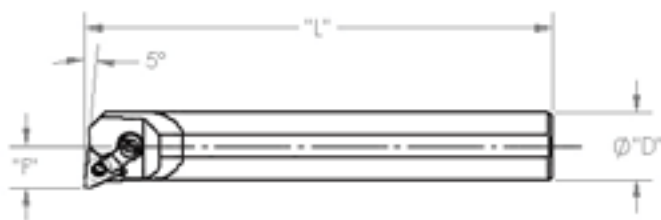
Catalog Number	Shank Dia.	L	F	Min. Bore	Clamp/Screw	Cam Screw	Insert
S10-MWLN-3	0.625	7"	0.44	0.76	CK-7/STC-9	NL-33	WNMG-322
S12-MWLN/L-3	0.75	7"	0.50	0.885	CK-7/STC-9	NL-33	WNMG-322
S12-MWLN-33	0.75	7"	0.50	0.885	CK-7/STC-9	NL-33	WNMG-332
S16-MWLN/L-3	1	7"	0.625	1.135	CK-7/STC-9	NL-33	WNMG-322
S16-MWLN-4	1	7"	0.625	1.135	CK-20/STC-11	NL-44	WNMG-432

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

"S" for solid shank
"A" for coolant thru

MTLN

*Boring & Facing
*Uses TNGA insert



steel shank

Catalog Number	Shank Dia.	L	F	Min. Bore	Clamp/Screw	Cam Screw	Insert
S16-MTLNR-3	1	7"	0.625	1.135	CK-7/STC-9	NL-33	TNGA-332

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

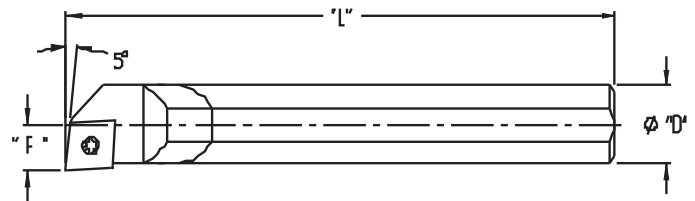
"S" for solid shank
"A" for coolant thru

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

Steel Boring Bars

SCLP

*Boring & Facing
*Uses CPMT insert



steel shank

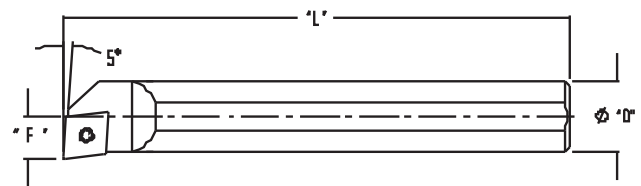
Catalog Number	Shank Dia.	L	F	Min. Bore	Insert Screw	Insert
S05-SCLPR/L-1.8	0.312	4-1/2"	0.219	0.385	MS-1152	CPMT-1.81.51
S05-SCLP/LR-2	0.312	4-1/2"	0.219	0.385	MS-1153	CPMT-21.51
S06-SCLPR/L-2	0.375	4-3/4"	0.25	0.447	MS-1153	CPMT-21.51
S08-SCLPR/L-2	0.5	5"	0.312	0.572	MS-1153	CPMT-21.51
S08-SCLPR/L-3	0.5	5"	0.312	0.572	MS-1155	CPMT-32.52
S10-SCLPR/L-2	0.625	7"	0.406	0.728	MS-1153	CPMT-21.51
S10-SCLPR/L-3	0.625	7"	0.406	0.728	MS-1155	CPMT-32.52
S12-SCLPR/L-3	0.75	7"	0.5	0.885	MS-1155	CPMT-32.52

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

"S" for solid shank
"A" for coolant thru

SCLC

*Boring & Facing
*Uses CCMT insert



steel shank

Catalog Number	Shank Dia.	L	F	Min. Bore	Insert Screw	Insert
S05-SCLCR/L-2	0.312	4-1/2"	0.219	0.385	5513-020-03	CCMT-21.51
S06-SCLCR/L-2	0.375	4-3/4"	0.25	0.447	5513-020-03	CCMT-21.51
S08-SCLCR/L-2	0.5	5"	0.312	0.572	5513-020-03	CCMT-21.51
S08-SCLCR/L-3	0.5	5"	0.312	0.572	5513-020-09	CCMT-32.52
S10-SCLCR/L-2	0.625	7"	0.406	0.728	5513-020-03	CCMT-21.51
S10-SCLCR/L-3	0.625	7"	0.406	0.728	5513-020-09	CCMT-32.52
S12-SCLCR/L-3	0.75	7"	0.5	0.885	5513-020-09	CCMT-32.52
S16-SCLCR/L-3	1	7"	0.625	1.15	5513-020-09	CCMT-32.52
S16-SCLCR/L-4	1	7"	0.625	1.15	5513-020-17	CCMT-432

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

"S" for solid shank
"A" for coolant thru

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

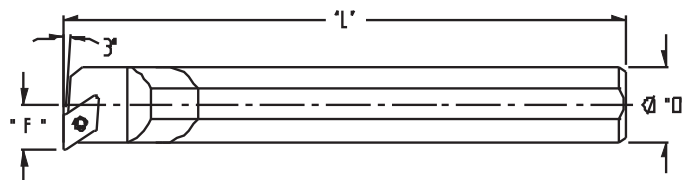


Made in USA



SDUP

*Boring & Facing
*Uses DPMT insert



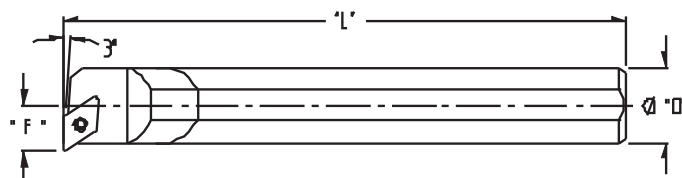
steel shank

Catalog Number	Shank Dia.	L	F	Min. Bore	Insert Screw	Insert
S06-SDUPR/L-2	0.375	4-3/4"	0.375	0.572	MS-1153	DPMT-21.51
S08-SDUPR/L-2	0.5	5"	0.437	0.697	MS-1153	DPMT-21.51
S10-SDUPR/L-2	0.625	7"	0.5	0.822	MS-1153	DPMT-21.51
S12-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
"S" for solid shank
"A" for coolant thru

SDUC

*Boring & Facing
*Uses DCMT insert



steel shank

Catalog Number	Shank Dia.	L	F	Min. Bore	Insert Screw	Insert
S06-SDUCR/L-2	0.375	4-3/4"	0.375	0.572	5513-020-03	DCMT-21.51
S08-SDUCR/L-2	0.5	5"	0.437	0.697	5513-020-03	DCMT-21.51
S10-SDUCR/L-2	0.625	7"	0.5	0.822	5513-020-03	DCMT-21.51
S12-SDUCR/L-3	0.75	7"	0.625	1.01	5513-020-09	DCMT-32.52

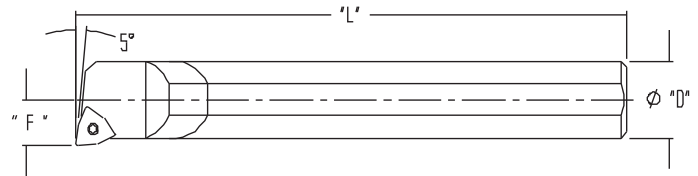
↑
↑
"R" for right hand bar
"L" for left hand bar
"S" for solid shank
"A" for coolant thru

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

Steel Boring Bars

SWLP

*Boring & Facing
*Uses WPMT insert



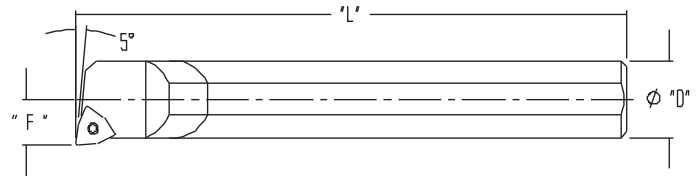
steel shank

Catalog Number	Shank Dia.	L	F	Min. Bore	Insert Screw	Insert
S06-SWLPR/L-2	0.375	4-3/4"	0.25	0.447	MS-1153	WPMT-21.51
S08-SWLPR/L-2	0.5	5"	0.312	0.572	MS-1153	WPMT-21.51
S10-SWLPR/L-3	0.625	7"	0.406	0.728	MS-1155	WPMT-32.52
S12-SWLPR/L-3	0.75	7"	0.5	0.885	MS-1155	WPMT-32.52

↑
↑
"R" for right hand bar
"L" for left hand bar
"S" for solid shank
"A" for coolant thru

SWLO

*Boring & Facing
*Uses WCMT insert



steel shank

Catalog Number	Shank Dia.	L	F	Min. Bore	Insert Screw	Insert
S-SWLOR 070	0.375	4-3/4"	0.218	0.416	TS-25	WCMT 21.51
S-SWLOR 062	0.375	4-3/4"	0.25	0.447	TS-25	WCMT 21.51
S-SWLOR 082	0.5	5"	0.312	0.572	TS-25	WCMT 21.51
S-SWLOR 102	0.625	7"	0.375	0.697	TS-25	WCMT 21.51
S-SWLOR 103	0.625	7"	0.375	0.697	TS-4	WCMT 32.52
S-SWLOR 123	0.75	7"	0.5	0.885	TS-4	WCMT 32.52

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

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

*Coolant thru not available

**Heavy Metal not available under 3/8"

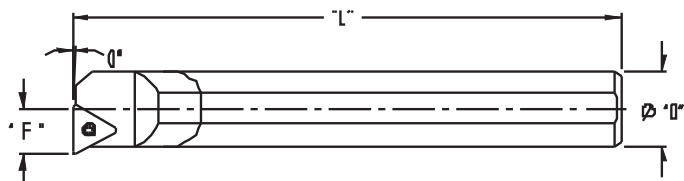


Made in USA



STFC

*Boring & Facing
*Uses TCMT insert



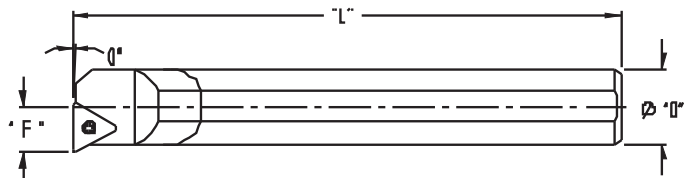
steel shank

Catalog Number	Shank Dia.	L	F	Min. Bore	Insert Screw	Insert
S06-STFCR/L-2	0.375	4-3/4"	0.25	0.447	5513-020-03	TCMT-21.51
S08-STFCR/L-2	0.5	5"	0.312	0.572	5513-020-03	TCMT-21.51
S10-STFCR/L-2	0.625	7"	0.406	0.728	5513-020-03	TCMT-21.51
S12-STFCR/L-2	0.75	7"	0.5	0.885	5513-020-03	TCMT-21.51
S12-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
"S" for solid shank
"A" for coolant thru

STFP

*Boring & Facing
*Uses TPMT insert



steel shank

Catalog Number	Shank Dia.	L	F	Min. Bore	Insert Screw	Insert
S06-STFPR/L-2	0.375	4-3/4"	0.25	0.447	MS-1153	TPMT-21.51
S08-STFPR/L-2	0.5	5"	0.312	0.572	MS-1153	TPMT-21.51
S10-STFPR/L-2	0.625	7"	0.406	0.728	MS-1153	TPMT-21.51
S12-STFPR/L-3	0.75	7"	0.5	0.885	MS-1155	TPMT-32.52

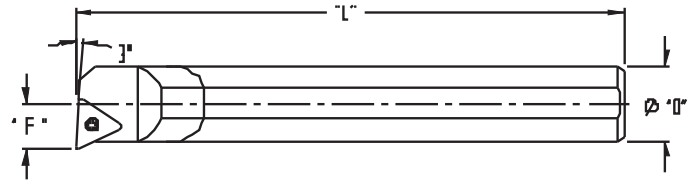
↑
↑
"R" for right hand bar
"L" for left hand bar
"S" for solid shank
"A" for coolant thru

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

Steel Boring Bars

STUP

*Boring & Facing
*Uses TPMT insert



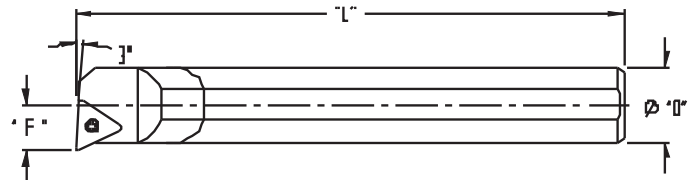
steel shank

Catalog Number	Shank Dia.	L	F	Min. Bore	Insert Screw	Insert
S06-STUPR/L-2	0.375	4-3/4"	0.25	0.447	MS-1153	TPMT-21.51
S08-STUPR/L-2	0.5	5"	0.312	0.572	MS-1153	TPMT-21.51
S10-STUPR/L-2	0.625	7"	0.406	0.728	MS-1153	TPMT-21.51
S12-STUPR/L-3	0.75	7"	0.5	0.885	MS-1155	TPMT-32.52
S16-STUPR/L-3	1	7"	0.625	1.135	MS-1155	TPMT-32.52

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"R" for right hand bar
"L" for left hand bar
"S" for solid shank
"A" for coolant thru

STUC

*Boring & Facing
*Uses TCMT insert



steel shank

Catalog Number	Shank Dia.	L	F	Min. Bore	Insert Screw	Insert
S06-STUCR/L-2	0.375	4-3/4"	0.25	0.447	5513-020-03	TCMT-21.51
S08-STUCR/L-2	0.5	5"	0.312	0.572	5513-020-03	TCMT-21.51
S10-STUCR/L-2	0.625	7"	0.406	0.728	5513-020-03	TCMT-21.51
S12-STUCR/L-2	0.75	7"	0.5	0.885	5513-020-03	TCMT-21.51
S12-STUCR/L-3	0.75	7"	0.5	0.885	5513-020-09	TCMT-32.52
S16-STUCR-3	1	7"	0.625	1.135	5513-020-09	TCMT-32.52
S10-STUCR/L-3	0.625	7"	0.406	0.728	5513-020-09	TCMT-32.52

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"R" for right hand bar
"L" for left hand bar
"S" for solid shank
"A" for coolant thru

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1-800-274-4686

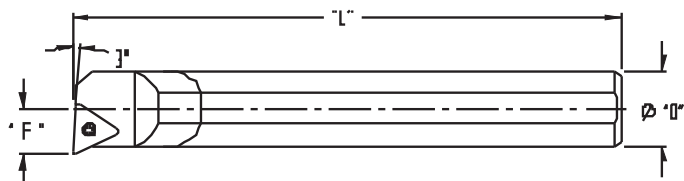


Made in USA



STUN

*Boring & Facing
*Uses T insert



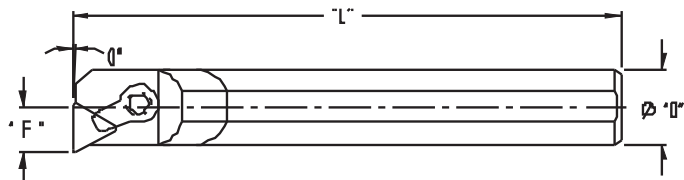
steel shank

Catalog Number	Shank Dia.	L	F	Min. Bore	Insert Screw	Insert
S06-STUNR/L-2	0.375	4-3/4"	0.25	0.447	S-930	T-221P
S08-STUNR/L-2	0.5	5"	0.312	0.572	S-930	T-221P
S10-STUNR/L-2	0.625	7"	0.406	0.728	S-930	T-221P
S12-STUNR/L-3	0.75	7"	0.5	0.885	S-944	T-321P
S16-STUNR/L-3	1	7"	0.625	1.135	S-944	T-321P

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"R" for right hand bar
"L" for left hand bar
"S" for solid shank
"A" for coolant thru

CTFP

*Boring & Facing
*Uses TPG insert



steel shank

Catalog Number	Shank Dia.	L	F	Min. Bore	Clamp/Screw	Insert
S08-CTFPR/L-2	0.5	5"	0.312	0.572	CK-27 / STC-27	TPG-221
S10-CTFPR/L-2	0.625	7"	0.406	0.728	CK-19 / STC-9	TPG-221
S12-CTFPR/L-3	0.75	7"	0.5	0.885	CK-7 / STC-9	TPG-322
S16-CTFPR/L-3	1	7"	0.625	1.135	CK-20 / STC-11	TPG-322

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"R" for right hand bar
"L" for left hand bar
"S" for solid shank
"A" for coolant thru

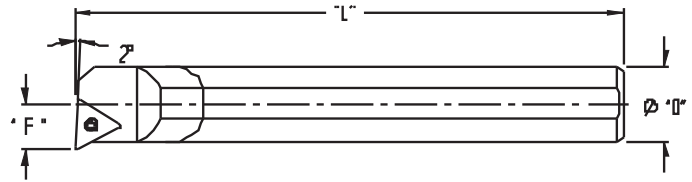
Uses Separate Chip Breaker

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

Steel Boring Bars

STJO

*Boring & Facing
*Uses TPGP insert



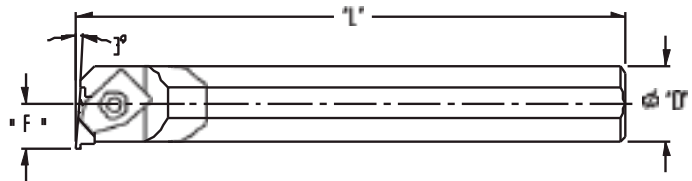
steel shank

Catalog Number	Shank Dia.	L	F	Min. Bore	Insert Screw	Insert
S-STJOR/L 062	0.375	4-3/4"	0.25	0.447	BHF0306R	TPGP-220
S-STJOR/L 082	0.5	5"	0.312	0.572	BHF0308R	TPGP-220
S-STJOR/L 102	0.625	7"	0.375	0.697	BHF0308R	TPGP-220
S-STJOR/L 123	0.75	7"	0.5	0.885	BFTX0410A	TPGP-330

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

NER/NEL

*Thread & Groove
*Uses NG insert



steel shank

Catalog Number	Shank Dia.	L	F	Min. Bore	Clamp/Screw	Insert
S08-NEL2	0.5	5"	0.437	0.697	CM-146/SC-110	NG-2R
S10-NEL2	0.625	7"	0.5	0.822	CM-146/S-310	NG-2R
S12-NEL2	0.75	7"	0.562	0.947	CM-146/S-310	NG-2R
S08-NER2	0.5	5"	0.437	0.697	CM-147/S-310	NG-2L
S10-NER2	0.625	7"	0.5	0.822	CM-147/S-310	NG-2L
S12-NER2	0.75	7"	0.562	0.947	CM-147/S-310	NG-2L

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↑
"R" for right hand bar
"L" for left hand bar
"S" for solid shank
"A" for coolant thru

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

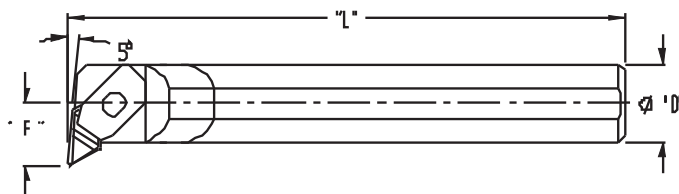


Made in USA



NELL

*PROFILE
*Uses NPGR insert



steel shank

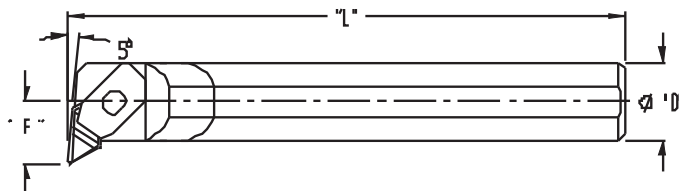
Catalog Number	Shank Dia.	L	F	Min. Bore	Clamp/Screw	Insert
S08-NELL05	0.5	5"	0.375	0.67	CM-105 / S-518	NPGR-51R
S10-NELL05	0.625	7"	0.5	0.87	CM-71 / S-524	NPGR-51R
S12-NELL05	0.75	7"	0.562	1	CM-68 / S-524	NPGR-51R
S08-NELR05	0.5	5"	0.375	0.67	CM-106 / S-518	NPGR-51L
S10-NELR05	0.625	7"	0.5	0.87	CM-79 / S-524	NPGR-51L
S12-NELR05	0.75	7"	0.562	1	CM-68 / S-524	NPGR-51L

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↑
"R" for right hand bar
"L" for left hand bar
"S" for solid shank
"A" 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



steel shank

Catalog Number	Shank Dia.	L	F	Min. Bore	Clamp/Screw	Insert
S08-NKLCL05	0.5	5"	0.375	0.67	CM-105 / S-518	NPGR-51R
S10-NKLCL05	0.625	7"	0.5	0.87	CM-71 / S-524	NPGR-51R
S12-NKLCL05	0.75	7"	0.562	1	CM-68 / S-524	NPGR-51R
S08-NKLCLR05	0.5	5"	0.375	0.67	CM-106 / S-518	NPGR-51L
S10-NKLCLR05	0.625	7"	0.5	0.87	CM-79 / S-524	NPGR-51L
S12-NKLCLR05	0.75	7"	0.562	1	CM-68 / S-524	NPGR-51L

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↑
"R" for right hand bar
"L" for left hand bar
"S" for solid shank
"A" for coolant thru

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

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*Cindy Blue and Barb Dorumsgaard
Operators and Owners*

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has been proudly supplying quality products and services
made in the USA for over 40 years.*

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HELPING MANUFACTURERS SUCCEED

Mission Statement

**NTM PROVIDES THE FINEST CUTTING TOOLS, SERVICES
AND MACHINED PRODUCTS FOR OUR CUSTOMERS**

Core Values

- DEDICATION
- INNOVATION
- LOYALTY
- POSITIVITY
- INTEGRITY



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