ULTRA-DEX USA

AMERICAN MADE QUALITY CUTTING TOOLS

500+ NEW ITEMS INSIDE
SAME LOW PRICES!

2013 / 2014

A. TURNING

B. BORING

C. MILLING

D. DRILLING

E. TOOL HOLDING

F. INSERTS
G. HARDWARE +

COMMITTED TO MICHIGAN MADE
1988 25 YEARS 2013
QUALITY CUTTING TOOLS

THE **ULTIMATE** METALWORKING SOURCE

Proudly Made in Flushing, MI USA

Ultra-Dex USA prides itself on delivering the highest quality and the best value products to our customers. Continuing to prove American manufacturers can compete with imported products, through experienced personnel, using the latest technology and machining processes. As many of our satisfied customers have come to know, our passion is providing excellent products proudly made in the USA, at a great price!

Nationally Recognized in the TOP

3000

Fastest Growing Private Companies!

Mark Birchmeier

Mark Birchmeier
President

- A DIVISION OF -

ULTRA-DEX TOOLING SYSTEMS

Celebrating 25+ Years in the Tooling Industry!

Bringing You High Quality, Low Cost, American Made Tooling since 1988

COMMITTED TO MICHIGAN MADE
1988 25 YEARS 2013
QUALITY CUTTING TOOLS

Mark Birchmeier
Head of Engineering & Manufacturing

Pat Mulcahy
Standard Product Tooling Manager

Gregg Bishop
Special Product Tooling Manager

Dane Carnell
Cutting Tool Repair Specialist

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A

TURNING

SQUARE SHANK
TURNING TOOLS

New!

.625” - 1.50” Shank Sizes

Insert Quick Pick	
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New!

Insert Holding	
M	Clamp and Lock Pin
N	Top Notch Clamp
S	Screw Lock Only
D	PULLBACK Clamp

Insert Shape	
C	80° Diamond
D	55° Diamond
T	60° Triangle
S	90° Square
V	35° Diamond
W	80° Trigon
R	Round

Hand of Tool	
L	Left
R	Right
N	Neutral

Insert Size	
3	3/8” IC
4	1/2” IC
5	5/8” IC
6	3/4” IC

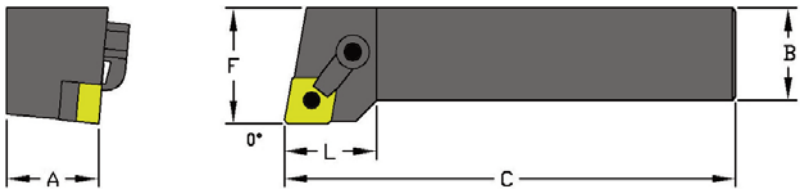
S C L C R 16 - 4 C

Lead Angle	
A	90°
F	90°
L	95°
S	45°
G	90°
M	50°
P	107.5°
V	72.5°
D	45°
J	93°
Y	85°
E	60°
K	75°
R	75°

Insert Clearance Angle	
B	5°
C	7°
D	15°
N	0°
P	11°

Shank Dimension	
10	.625”
12	.750”
16	1.000”
20	1.250”
24	1.500”

Qualified Surface & Length	
B	4.5”
C	5”
D	6”
E	7”
F	8”

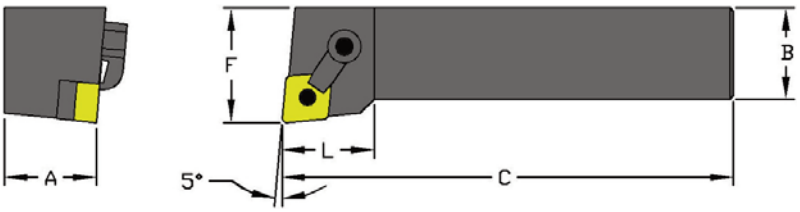


New!

Negative 80° Diamond (0° Lead)

No Coolant

Designation	A/B	C	L	F	Insert	Shim	Pin	Clamp	Screw	Price
MCGNR/L 12-4C	.750	5	1.120	1.000	CNMG 432	ICSN-433	NL-46	CL-20	XNS-48	**$56.00**
MCGNR/L 16-4D	1.000	6	1.120	1.250		ICSN-433	NL-46	CL-20	XNS-48	**$61.00**
MCGNR/L 20-4D	1.250	6	1.120	1.500		ICSN-433	NL-46	CL-20	XNS-48	**$67.00**
MCGNR/L 24-4D	1.500	6	1.250	2.000		ICSN-433	NL-46	CL-20	XNS-48	**$89.00**
MCGNR/L 16-5D	1.000	6	1.500	1.250	CNMG 543	ICSN-533	NL-58	CL-12	XNS-510	**$61.00**
MCGNR/L 20-5D	1.250	6	1.500	1.500		ICSN-533	NL-58	CL-12	XNS-510	**$67.00**
MCGNR/L 24-5D	1.500	6	1.500	2.000		ICSN-533	NL-58	CL-12	XNS-510	**$89.00**
MCGNR/L 20-6D	1.250	6	1.650	1.500	CNMG 643	ICSN-633	NL-68	CL-12	XNS-510	**$67.00**
MCGNR/L 24-6D	1.500	6	1.650	2.000		ICSN-633	NL-68	CL-12	XNS-510	**$89.00**

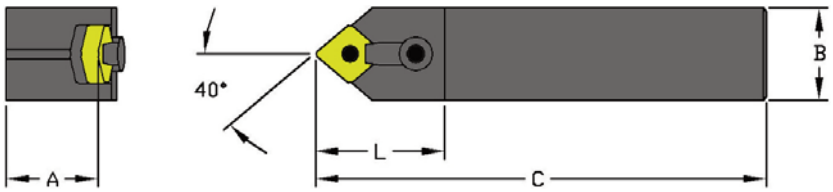


Negative 80° Diamond (-5° Lead)

No Coolant

Designation	A/B	C	L	F	Insert	Shim	Pin	Clamp	Screw	Price
MCLNR/L 12-4C	.750	5	1.250	1.000	CNMG 432	ICSN-433	NL-46	CL-20	XNS-48	**$56.00**
MCLNR/L 16-4D	1.000	6	1.250	1.250		ICSN-433	NL-46	CL-20	XNS-48	**$61.00**
MCLNR/L 20-4D	1.250	6	1.130	1.500		ICSN-433	NL-46	CL-20	XNS-48	**$67.00**
MCLNR/L 16-5D	1.000	6	1.500	1.250	CNMG 543	ICSN-533	NL-58	CL-12	XNS-510	**$61.00**
MCLNR/L 20-5E	1.250	7	1.500	1.570		ICSN-533	NL-58	CL-12	XNS-510	**$67.00**
MCLNR/L 24-5D	1.500	6	1.470	2.000		ICSN-533	NL-58	CL-12	XNS-510	**$89.00**
MCLNR/L 16-6D	1.000	6	1.510	1.250	CNMG 643	ICSN-633	NL-68	CL-12	XNS-510	**$61.00**
MCLNR/L 20-6E	1.250	7	1.770	1.570		ICSN-633	NL-68	CL-12	XNS-510	**$67.00**
MCLNR/L 24-6D	1.500	6	1.500	2.000		ICSN-633	NL-68	CL-12	XNS-510	**$89.00**
MCLNR/L 24-6F	1.500	8	1.770	2.000		ICSN-633	NL-68	CL-12	XNS-510	**$89.00**

Prices are subject to change without notice.

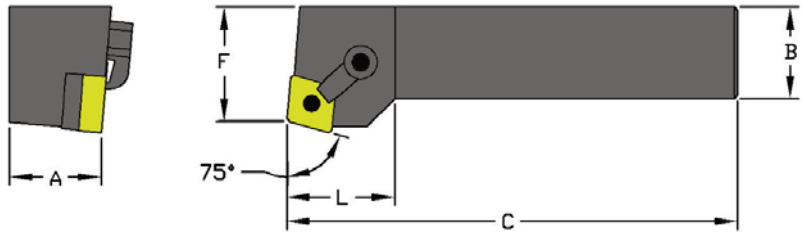


New!

Negative 80° Diamond (40° Lead)

No Coolant

Designation Neutral	A/B	C	L	Insert	Shim	Pin	Clamp	Screw	Price
MCMNN 12-4C	.750	5	1.280	CNMG 432	ICSN-433	NL-46	CL-20	XNS-48	**$56.00**
MCMNN 16-4D	1.000	6	1.280		ICSN-433	NL-46	CL-20	XNS-48	**$61.00**
MCMNN 20-4D	1.250	6	1.390		ICSN-433	NL-46	CL-20	XNS-48	**$67.00**
MCMNN 16-5D	1.000	5	1.610	CNMG 543	ICSN-533	NL-58	CL-12	XNS-510	**$61.00**
MCMNN 20-5D	1.250	6	1.610		ICSN-533	NL-58	CL-12	XNS-510	**$67.00**
MCMNN 24-5D	1.500	6	1.610		ICSN-533	NL-58	CL-12	XNS-510	**$89.00**
MCMNN 24-6D	1.500	6	1.670	CNMG 643	ICSN-633	NL-68	CL-12	XNS-510	**$89.00**
MCMNN 24-6E	1.500	7	2.000		ICSN-633	NL-68	CL-12	XNS-510	**$89.00**



Negative 80° Diamond (15° Lead)

No Coolant

Designation	A/B	C	L	F	Insert	Shim	Pin	Clamp	Screw	Price
MCRNR/L 12-4C	.750	5	1.250	.750	CNMG 432	ICSN-433	NL-46	CL-9	XNS-58	**$56.00**
MCRNR/L 16-4C	1.000	5	1.250	1.250		ICSN-433	NL-46	CL-9	XNS-58	**$61.00**
MCRNR/L 16-4D	1.000	6	1.250	1.250		ICSN-433	NL-46	CL-9	XNS-58	**$61.00**
MCRNR/L 20-4D	1.250	6	1.250	1.500		ICSN-433	NL-46	CL-9	XNS-58	**$67.00**
MCRNR/L 24-4E	1.500	7	1.250	2.000		ICSN-433	NL-46	CL-9	XNS-58	**$89.00**
MCRNR/L 16-5D	1.000	6	1.370	1.250	CNMG 543	ICSN-533	NL-58	CL-9	XNS-510	**$61.00**
MCRNR/L 20-5D	1.250	6	1.370	1.500		ICSN-533	NL-58	CL-9	XNS-510	**$67.00**
MCRNR/L 16-6D	1.000	6	1.500	1.250	CNMG 643	ICSN-633	NL-68	CL-12	XNS-510	**$61.00**
MCRNR/L 20-6D	1.250	6	1.500	1.500		ICSN-633	NL-68	CL-12	XNS-510	**$67.00**
MCRNR/L 24-6E	1.500	7	1.500	2.000		ICSN-633	NL-68	CL-12	XNS-510	**$89.00**

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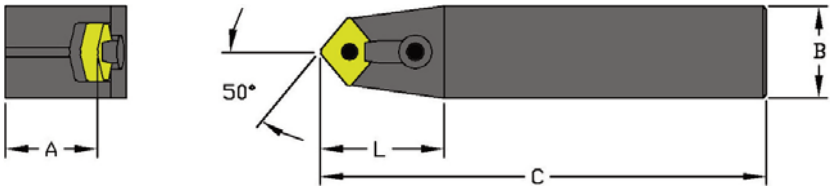
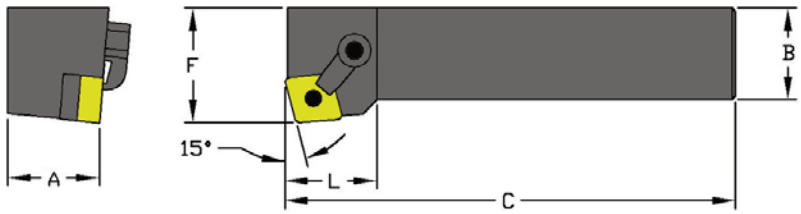


New!

Negative 80° Diamond (50° Lead)

No Coolant

Designation Neutral	A/B	C	L	Insert	Shim	Pin	Clamp	Screw	Price
MCYNN 12-4C	.750	5	1.370	CNMG 432	ICSN-433	NL-46	CL-20	XNS-48	**$56.00**
MCYNN 16-4D	1.000	6	1.370		ICSN-433	NL-46	CL-20	XNS-48	**$61.00**
MCYNN 20-4D	1.250	6	1.370		ICSN-433	NL-46	CL-20	XNS-48	**$67.00**
MCYNN 16-5D	1.000	6	1.620	CNMG 543	ICSN-533	NL-58	CL-12	XNS-510	**$61.00**
MCYNN 20-5D	1.250	6	1.620		ICSN-533	NL-58	CL-12	XNS-510	**$67.00**
MCYNN 16-6D	1.000	6	1.750	CNMG 643	ICSN-633	NL-68	CL-12	XNS-510	**$61.00**
MCYNN 20-6D	1.250	6	1.750		ICSN-633	NL-68	CL-12	XNS-510	**$67.00**
MCYNN 24-6E	1.500	7	1.750		ICSN-633	NL-68	CL-12	XNS-510	**$89.00**



Negative 80° Diamond (15° Lead)

No Coolant

Designation	A/B	C	L	F	Insert	Shim	Pin	Clamp	Screw	Price
MCKNR/L 12-4C	.750	5	1.200	1.000	CNMG 432	ICSN-433	NL-46	CL-20	XNS-48	**$56.00**
MCKNR/L 16-4D	1.000	6	1.200	1.250		ICSN-433	NL-46	CL-20	XNS-48	**$61.00**
MCKNR/L 20-4D	1.250	6	1.200	1.500		ICSN-433	NL-46	CL-20	XNS-48	**$67.00**
MCKNR/L 16-5D	1.000	6	1.350	1.250	CNMG 543	ICSN-533	NL-58	CL-12	XNS-510	**$61.00**
MCKNR/L 20-5D	1.250	6	1.350	1.500		ICSN-533	NL-58	CL-12	XNS-510	**$67.00**
MCKNR/L 16-6D	1.000	6	1.470	1.250	CNMG 643	ICSN-633	NL-68	CL-12	XNS-510	**$61.00**
MCKNR/L 20-6D	1.250	6	1.470	1.500		ICSN-633	NL-68	CL-12	XNS-510	**$67.00**
MCKNR/L 24-6D	1.500	6	1.470	2.000		ICSN-633	NL-68	CL-12	XNS-510	**$89.00**
MCKNR/L 24-6E	1.500	7	1.500	2.000		ICSN-633	NL-68	CL-12	XNS-510	**$89.00**

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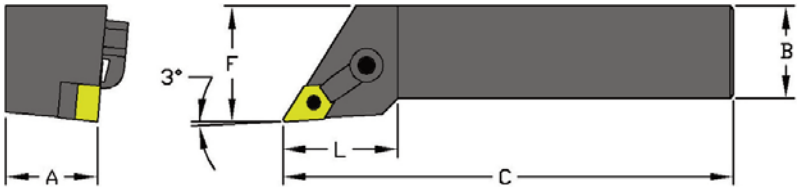
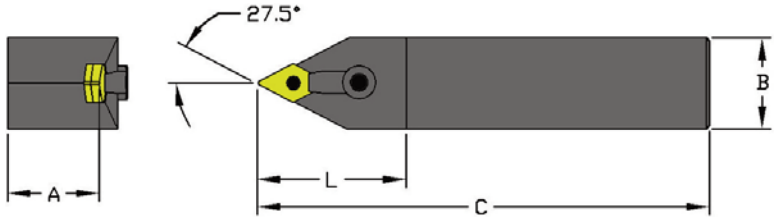


New!

Negative 55° Diamond (3° Lead)

No Coolant

Designation	A/B	C	L	F	Insert	Shim	Pin	Clamp	Screw	Price
MDJNR/L 12-4C	.750	5	1.000	1.000	DNMG 432	IDSN-433	NL-46	CL-20	XNS-48	**$80.00**
MDJNR/L 16-4D	1.000	6	1.250	1.250		IDSN-433	NL-46	CL-20	XNS-48	**$90.00**
MDJNR/L 20-4D	1.250	6	1.500	1.500		IDSN-433	NL-46	CL-20	XNS-48	**$103.00**
MDJNR/L 24-4D	1.500	6	2.000	2.000		IDSN-433	NL-46	CL-20	XNS-48	**$108.00**
MDJNR/L 16-5D	1.000	6	1.250	1.250	DNMG 543	IDSN-533	NL-58	CL-12	XNS-510	**$90.00**
MDJNR/L 20-5D	1.250	6	1.500	1.500		IDSN-533	NL-58	CL-12	XNS-510	**$103.00**
MDJNR/L 24-5D	1.500	6	2.000	2.000		IDSN-533	NL-58	CL-12	XNS-510	**$108.00**



Negative 55° Diamond (27.5° Lead)

No Coolant

Designation Neutral	A/B	C	L	Insert	Shim	Pin	Clamp	Screw	Price
MDPNN 12-4C	.750	5	1.620	DNMG 432	IDSN-433	NL-46	CL-20	XNS-48	**$87.00**
MDPNN 16-4D	1.000	6	1.620		IDSN-433	NL-46	CL-20	XNS-48	**$91.00**
MDPNN 20-4D	1.250	6	1.620		IDSN-433	NL-46	CL-20	XNS-48	**$101.00**
MDPNN 16-5D	1.000	6	1.880	DNMG 543	IDSN-533	NL-58	CL-12	XNS-510	**$91.00**
MDPNN 20-5D	1.250	6	1.880		IDSN-533	NL-58	CL-12	XNS-510	**$101.00**
MDPNN 24-5D	1.500	6	1.920		IDSN-533	NL-58	CL-12	XNS-510	**$108.00**
MDPNN 24-5E	1.500	7	1.880		IDSN-533	NL-58	CL-12	XNS-510	**$108.00**

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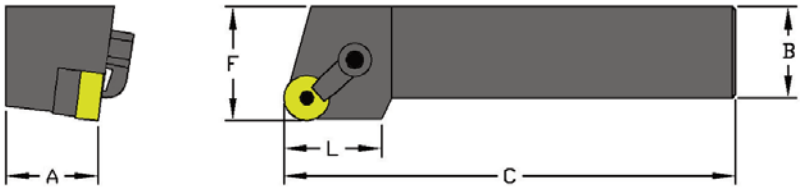
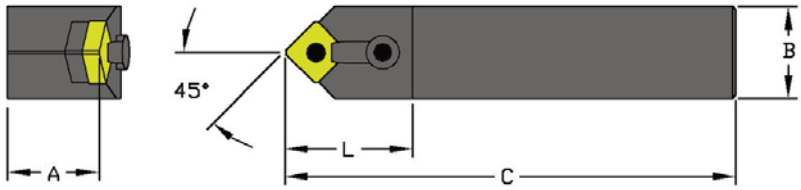


New!

Negative Round (0° Lead)

No Coolant

Designation	A/B	C	L	F	Insert	Shim	Pin	Clamp	Screw	Price
MRGNR/L 12-3C	.750	5	0.810	1.000	RNMG 32	--	NL-33	CL-6	XNS-36	**$56.00**
MRGNR/L 12-4C	.750	5	1.060	1.000	RNMG 43	IRSN-43	NL-46	CL-20	XNS-48	**$56.00**
MRGNR/L 16-4D	1.000	6	1.060	1.250		IRSN-43	NL-46	CL-20	XNS-48	**$61.00**
MRGNR/L 20-4D	1.250	6	1.060	1.500		IRSN-43	NL-46	CL-20	XNS-48	**$67.00**
MRGNR/L 16-5D	1.000	6	1.250	1.250	RNMG 54	IRSN-53	NL-58	CL-12	XNS-510	**$61.00**
MRGNR/L 20-5D	1.250	6	1.250	1.500		IRSN-53	NL-58	CL-12	XNS-510	**$67.00**
MRGNR/L 16-6D	1.000	6	1.380	1.250	RNMG 64	IRSN-63	NL-68	CL-12	XNS-510	**$61.00**
MRGNR/L 20-6D	1.250	6	1.380	1.500		IRSN-63	NL-68	CL-12	XNS-510	**$67.00**
MRGNR/L 24-6E	1.500	7	1.380	2.000		IRSN-63	NL-68	CL-12	XNS-510	**$89.00**

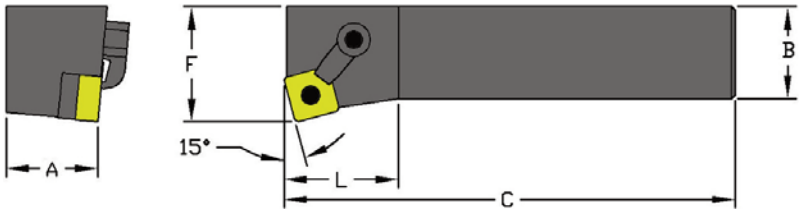


Negative Square (45° Lead)

No Coolant

Designation Neutral	A/B	C	L	Insert	Shim	Pin	Clamp	Screw	Price
MSDNN 12-4C	.750	5	1.300	SNMG 432	ISSN-433	NL-46	CL-20	XNS-48	**$56.00**
MSDNN 16-4D	1.000	6	1.300		ISSN-433	NL-46	CL-20	XNS-48	**$61.00**
MSDNN 16-5D	1.000	6	1.500	SNMG 543	ISSN-533	NL-58	CL-12	XNS-510	**$61.00**
MSDNN 20-5D	1.250	6	1.500		ISSN-533	NL-58	CL-12	XNS-510	**$67.00**
MSDNN 16-6D	1.000	6	1.730	SNMG 643	ISSN-633	NL-68	CL-12	XNS-510	**$61.00**
MSDNN 20-6D	1.250	6	1.750		ISSN-633	NL-68	CL-12	XNS-510	**$67.00**
MSDNN 24-6E	1.500	7	1.750		ISSN-633	NL-68	CL-12	XNS-510	**$89.00**

Prices are subject to change without notice.

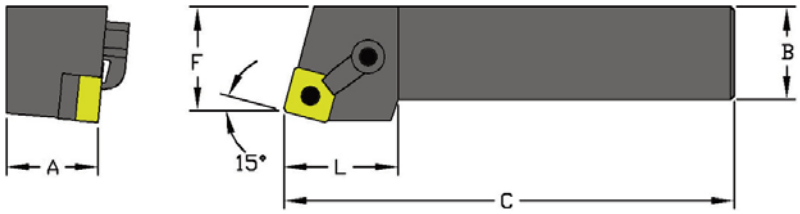


New!

Negative Square (15° Lead) End Cutting

No Coolant

Designation	A/B	C	L	F	Insert	Shim	Pin	Clamp	Screw	Price
MSKNR/L 12-4C	.750	5	1.220	1.000	SNMG 432	ISSN-433	NL-46	CL-20	XNS-48	**$56.00**
MSKNR/L 16-4D	1.000	6	1.220	1.250		ISSN-433	NL-46	CL-20	XNS-48	**$61.00**
MSKNR/L 16-5D	1.000	6	1.410	1.250	SNMG 543	ISSN-533	NL-58	CL-12	XNS-510	**$61.00**
MSKNR/L 20-5D	1.250	6	1.410	1.500		ISSN-533	NL-58	CL-12	XNS-510	**$67.00**
MSKNR/L 20-6D	1.250	6	1.500	1.500	SNMG 643	ISSN-633	NL-68	CL-12	XNS-510	**$67.00**
MSKNR/L 24-6E	1.500	7	1.500	2.000		ISSN-633	NL-68	CL-12	XNS-510	**$89.00**



Negative Square (15° Lead) Side Cutting

No Coolant

Designation	A/B	C	L	F	Insert	Shim	Pin	Clamp	Screw	Price
MSRNR/L 12-4B	.750	4.5	1.250	.880	SNMG 432	ISSN-433	NL-46	CL-9	XNS-59	**$56.00**
MSRNR/L 16-4D	1.000	6	1.250	1.130		ISSN-433	NL-46	CL-9	XNS-59	**$61.00**
MSRNR/L 20-4D	1.250	6	1.250	1.380		ISSN-433	NL-46	CL-9	XNS-59	**$67.00**
MSRNR/L 16-5D	1.000	6	1.370	1.103	SNMG 543	ISSN-533	NL-58	CL-12	XNS-510	**$61.00**
MSRNR/L 20-5D	1.250	6	1.370	1.353		ISSN-533	NL-58	CL-12	XNS-510	**$67.00**
MSRNR/L 16-6D	1.000	6	1.500	1.071	SNMG 643	ISSN-633	NL-68	CL-12	XNS-510	**$61.00**
MSRNR/L 20-6D	1.250	6	1.500	1.315		ISSN-633	NL-68	CL-12	XNS-510	**$67.00**
MSRNR/L 24-6E	1.500	7	1.500	1.821		ISSN-633	NL-68	CL-12	XNS-510	**$89.00**

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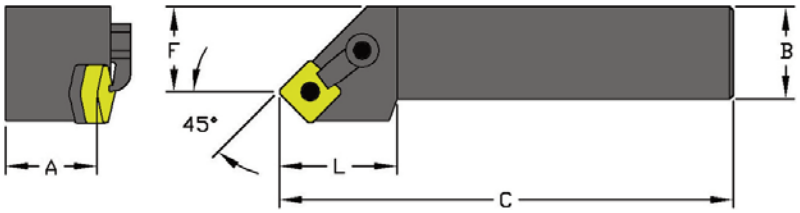
Inserts pg: 154

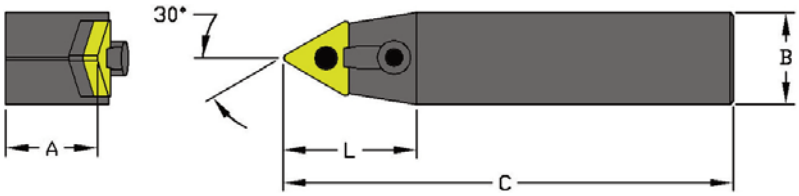


New!

Negative Square (45° Lead)

No Coolant

Designation	A/B	C	L	F	Insert	Shim	Pin	Clamp	Screw	Price
MSSNR/L 12-4C	.750	5	1.230	.675	SNMG 432	ISSN-433	NL-46	CL-20	XNS-48	**$56.00**
MSSNR/L 16-4D	1.000	6	1.230	.925		ISSN-433	NL-46	CL-20	XNS-48	**$61.00**
MSSNR/L 16-5D	1.000	6	1.380	.847	SNMG 543	ISSN-533	NL-58	CL-12	XNS-510	**$61.00**
MSSNR/L 20-5D	1.250	6	1.380	1.097		ISSN-533	NL-58	CL-12	XNS-510	**$67.00**
MSSNR/L 20-6D	1.250	6	1.470	1.011	SNMG 643	ISSN-633	NL-68	CL-12	XNS-510	**$67.00**
MSSNR/L 24-6E	1.500	7	1.470	1.511		ISSN-633	NL-68	CL-12	XNS-510	**$89.00**



Negative Triangle (30° Lead)

No Coolant

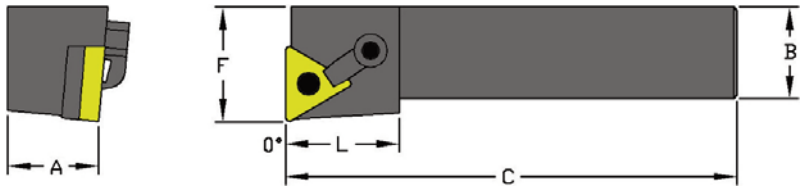
Designation Neutral	A/B	C	L	Insert	Shim	Pin	Clamp	Screw	Price
MTENN 10-3C	.625	5	1.120	TNMG 332	ITSN-322	NL-34L	CL-6	XNS-36	**$49.00**
MTENN 12-3C	.750	5	1.120		ITSN-322	NL-34L	CL-6	XNS-36	**$56.00**
MTENN 12-4C	.750	5	1.500	TNMG 432	ITSN-433	NL-46	CL-9	XNS-59	**$56.00**
MTENN 16-4D	1.000	6	1.500		ITSN-433	NL-46	CL-9	XNS-59	**$61.00**
MTENN 20-5D	1.250	6	1.730	TNMG 543	ITSN-533	NL-58	CL-9	XNS-510	**$67.00**
MTENN 24-5E	1.500	7	1.620		ITSN-533	NL-58	CL-9	XNS-510	**$89.00**

SAME DAY SHIPPING

On orders placed before 3:30pm EST

SEE PAGE 167 for more details

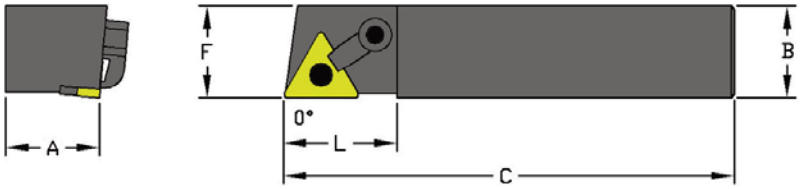
Prices are subject to change without notice.



New!

Negative Triangle (0° Lead) **End Cutting** No Coolant

Designation	A/B	C	L	F	Insert	Shim	Pin	Clamp	Screw	Price
MTFNR/L 12-3C	.750	5	1.000	1.000	TNMG 332	ITSN-322	NL-34L	CL-20	XNS-48	**$56.00**
MTFNR/L 16-3D	1.000	6	1.000	1.250		ITSN-322	NL-34L	CL-20	XNS-48	**$61.00**
MTFNR/L 16-4D	1.000	6	1.000	1.250	TNMG 432	ITSN-433	NL-46	CL-20	XNS-48	**$61.00**
MTFNR/L 20-4D	1.250	6	1.220	1.500		ITSN-433	NL-46	CL-20	XNS-48	**$67.00**
MTFNR/L 16-5D	1.000	6	1.440	1.250	TNMG 543	ITSN-533	NL-58	CL-12	XNS-510	**$61.00**
MTFNR/L 20-5D	1.250	6	1.440	1.500		ITSN-533	NL-58	CL-12	XNS-510	**$67.00**
MTFNR/L 24-5E	1.500	7	1.500	2.000		ITSN-533	NL-58	CL-12	XNS-510	**$89.00**
MTFNR/L 24-6E	1.500	7	1.500	2.000	TNMG 663	ITSN-636	NL-68L	CL-12	XNS-510	**$89.00**



Negative Triangle (0° Lead) **Side Cutting** No Coolant

Designation	A/B	C	L	F	Insert	Shim	Pin	Clamp	Screw	Price
MTANR/L 12-3C	.750	5	1.060	.750	TNMG 332	ITSN-322	NL-34L	CL-20	XNS-48	**$61.00**
MTANR/L 16-3D	1.000	6	1.060	1.000		ITSN-322	NL-34L	CL-20	XNS-48	**$63.00**
MTANR/L 16-4D	1.000	6	1.220	1.000	TNMG 432	ITSN-433	NL-46	CL-20	XNS-48	**$63.00**
MTANR/L 20-5D	1.250	6	1.430	1.250	TNMG 543	ITSN-533	NL-58	CL-12	XNS-510	**$69.00**
MTANR/L 24-5D	1.500	6	1.430	1.500		ITSN-533	NL-58	CL-12	XNS-510	**$90.00**
MTANR/L 24-6E	1.500	7	1.750	1.500	TNMG 663	ITSN-636	NL-68L	CL-12	XNS-510	**$90.00**

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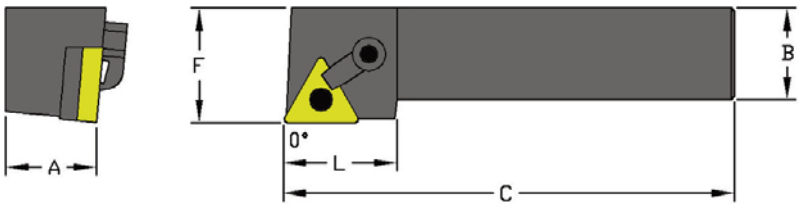
Inserts pg: 154

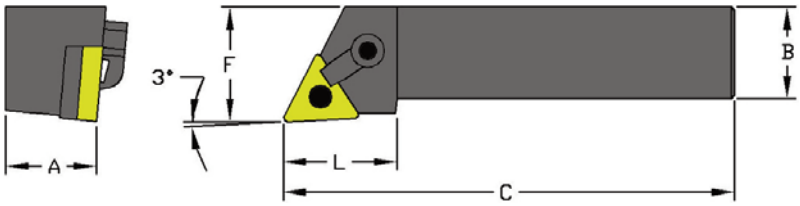


New!

Negative Triangle (0° Lead) Side Cutting TNMG

No Coolant

Designation	A/B	C	L	F	Insert	Shim	Pin	Clamp	Screw	Price
MTGNR/L 10-3C	.625	5	1.000	.875	TNMG 332	ITSN-322	NL-34L	CL-6	XNS-36	**$49.00**
MTGNR/L 12-3C	.750	5	1.000	1.000		ITSN-322	NL-34L	CL-6	XNS-36	**$56.00**
MTGNR/L 16-3D	1.000	6	1.000	1.250		ITSN-322	NL-34L	CL-6	XNS-36	**$61.00**
MTGNR/L 16-4D	1.000	6	1.370	1.250	TNMG 432	ITSN-433	NL-46	CL-9	XNS-510	**$61.00**
MTGNR/L 20-4D	1.250	6	1.370	1.500		ITSN-433	NL-46	CL-9	XNS-510	**$67.00**
MTGNR/L 24-4D	1.500	6	1.370	2.000		ITSN-433	NL-46	CL-9	XNS-510	**$81.00**
MTGNR/L 24-4E	1.500	7	1.370	2.000		ITSN-433	NL-46	CL-9	XNS-510	**$81.00**
MTGNR/L 16-5D	1.000	6	1.500	1.250	TNMG 543	ITSN-533	NL-58	CL-9	XNS-510	**$61.00**
MTGNR/L 20-5D	1.250	6	1.500	1.500		ITSN-533	NL-58	CL-9	XNS-510	**$67.00**
MTGNR/L 24-5E	1.500	7	1.500	2.000		ITSN-533	NL-58	CL-9	XNS-510	**$89.00**

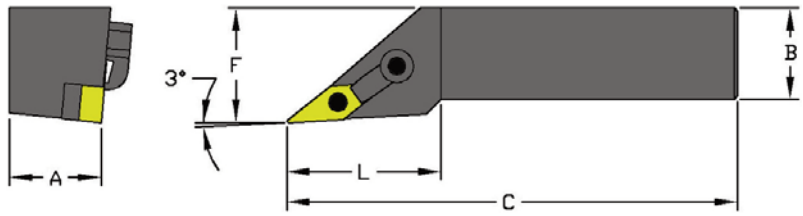


Negative Triangle (3° Lead)

No Coolant

Designation	A/B	C	L	F	Insert	Shim	Pin	Clamp	Screw	Price
MTJNR/L 12-3C	.750	5	1.030	1.000	TNMG 332	ITSN-322	NL-34L	CL-20	XNS-48	**$56.00**
MTJNR/L 16-3D	1.000	6	1.030	1.250		ITSN-322	NL-34L	CL-20	XNS-48	**$61.00**
MTJNR/L 16-4D	1.000	6	1.250	1.250	TNMG 432	ITSN-433	NL-46	CL-20	XNS-48	**$61.00**
MTJNR/L 20-4D	1.250	6	1.250	1.500		ITSN-433	NL-46	CL-20	XNS-48	**$67.00**
MTJNR/L 16-5D	1.000	6	1.500	1.250	TNMG 543	ITSN-533	NL-58	CL-9	XNS-510	**$61.00**
MTJNR/L 20-5D	1.250	6	1.440	1.500		ITSN-533	NL-58	CL-9	XNS-510	**$67.00**
MTJNR/L 24-5E	1.500	7	1.500	2.000		ITSN-533	NL-58	CL-12	XNS-510	**$89.00**
MTJNR/L 24-6E	1.500	7	1.620	2.000	TNMG 663	ITSN-636	NL-68L	CL-12	XNS-510	**$89.00**

Prices are subject to change without notice.

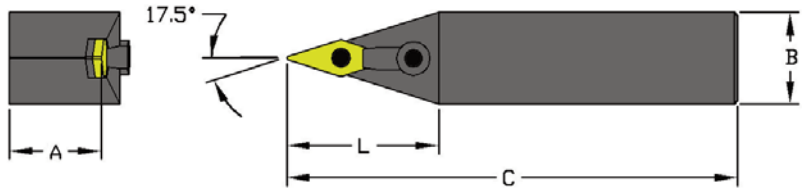


New!

Negative 35° Diamond (-3° Lead)

No Coolant

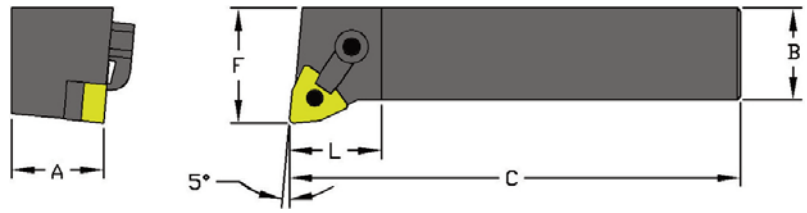
Designation	A/B	C	L	F	Insert	Shim	Pin	Clamp	Screw	Price
MVJNR/L 12-3C	.750	5	1.620	1.000	VNMG 332	IVSN-322	NL-34L	CL-20	XNS-48	**$92.00**
MVJNR/L 16-3D	1.000	6	1.680	1.250		IVSN-322	NL-34L	CL-20	XNS-48	**$96.00**
MVJNR/L 20-3E	1.250	7	1.620	1.500		IVSN-322	NL-34L	CL-20	XNS-48	**$102.00**
MVJNR/L 16-4D	1.000	6	1.880	1.250	VNMG 432	IVSN-432	NL-46	CL-30	XNS-510	**$96.00**
MVJNR/L 20-4D	1.250	6	1.880	1.500		IVSN-432	NL-46	CL-30	XNS-510	**$102.00**
MVJNR/L 24-4E	1.500	7	1.880	2.000		IVSN-432	NL-46	CL-30	XNS-510	**$114.00**



Negative 35° Diamond (17.5° Lead)

No Coolant

Designation Neutral	A/B	C	L	Insert	Shim	Pin	Clamp	Screw	Price
MVVNN 12-3C	.750	5	1.620	VNMG 332	IVSN-322	NL-34L	CL-30	XNS-58	**$92.00**
MVVNN 16-3D	1.000	6	1.620		IVSN-322	NL-34L	CL-30	XNS-58	**$96.00**
MVVNN 20-3D	1.250	6	1.620		IVSN-322	NL-34L	CL-30	XNS-510	**$102.00**
MVVNN 24-3E	1.500	7	1.620		IVSN-322	NL-34L	CL-30	XNS-510	**$114.00**
MVVNN 16-4D	1.000	6	2.060	VNMG 432	IVSN-433	NL-46	CL-30	XNS-510	**$96.00**
MVVNN 20-4D	1.250	6	2.060		IVSN-433	NL-46	CL-30	XNS-510	**$102.00**
MVVNN 24-4E	1.500	7	2.060		IVSN-433	NL-46	CL-30	XNS-510	**$114.00**



Negative Trigon (-5° Lead)

No Coolant

Designation	A/B	C	L	F	Insert	Shim	Pin	Clamp	Screw	Price
MWLNR/L 12-3C	.750	5	1.180	.750	WNMG 332	IWSN-322	NL-34L	CL-21	XNS-48	**$56.00**
MWLNR/L 12-4C	.750	5	1.070	1.000	WNMG 432	IWSN-433	NL-46	CL-20	XNS-48	**$56.00**
MWLNR/L 16-4D	1.000	6	1.070	1.250		IWSN-433	NL-46	CL-20	XNS-48	**$61.00**
MWLNR/L 20-4E	1.250	7	1.070	1.500		IWSN-433	NL-46	CL-20	XNS-48	**$67.00**
MWLNR/L 24-4E	1.500	7	1.070	2.000		IWSN-433	NL-46	CL-20	XNS-48	**$89.00**

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Inserts pg: 154

Boring Bar NOMENCLATURE

B

BORING

Bar Type	
A	Solid Steel Bar with Coolant
C	Carbide Bar
D	Chatter-Free with Coolant
E	Carbide Bar with Coolant
HM	Solid Heavy Metal with Coolant
J	Solid Heavy Metal
R	Carbide Reinforced Steel Bar
S	Solid Steel Bar

Bar Length	
F	3”
G	3.5”
H	4”
J	4.5”
K	5”
M	6”
Q	7”
R	8”
X	9”
S	10”
T	12”
U	14”
V	16”
W	20”

Insert Clearance Angle		
B	5˚	
C	7˚	
D	15˚	
N	0˚	
P	11˚	

Alternate F Dim.	
172	.172”
219	.219”
250	.250”
312	.312”

E 10 Q S C L C R 2 -250

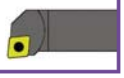
Bar Diameter	
02.5	.156” (5/32”)
03	.187” (3/16”)
03.5	.218” (7/32”)
04	.250” (1/4”)
05	.312” (5/16”)
06	.375” (3/8”)
08	.500” (1/2”)
10	.625” (5/8”)
12	.750” (3/4”)
16	1.000” (1”)
20	1.250” (1 1/4”)
24	1.500” (1 1/2”)
28	1.750” (1 3/4”)
32	2.000” (2”)

Insert Holding	
M	Clamp and Lock Pin
N	Top Notch Clamp
S	Screw Lock Only
D	PULLBACK Clamp

Insert Shape		
C	80° Diamond	
D	55° Diamond	
T	60° Triangle	
S	90° Square	
V	35° Diamond	
W	80° Trigon	
R	Round	

Lead Angle		
F	0˚	
J	-52˚	
K	15˚	
L	-5˚	
N	27.5˚	
Q	-17.5˚	
U	-3˚	
X	5˚	

Insert Size	
1.2	5/32” IC
1.5	3/16” IC
1.8	7/32” IC
2	1/4” IC
2.5	5/16” IC
3	3/8” IC
4	1/2” IC

Hand of Bar		
L	Left	
R	Right	

New!

Series
C
F
G
S
Q

Bar Length	
2.5	2.5”
3	3”
3.5	3.5”
4	4”
5	5”
6	6”
7	7”
8	8”
10	10”
12	12”

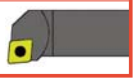
Lead Angle		
0	0°	
3	-3°	
5	-5°	
7	-7°	

C C UD - 187 - 4 - 5 L

Material	
C	Carbide
S	Steel

ULTRA-DEX

D Diameter	
187	.187”
250	.250”
312	.312”
375	.375”
500	.500”
625	.625”
750	.750”
1000	1.000”
1250	1.250”

Hand of Bar		
L	Left	
R	Right	

NEW *Series Style* Boring Bars

pgs **21, 23, 38, 39, 47, 48, 51, 59**

ULTRA-DEX USA

STEEL
BORING BARS

B

BORING

The **ECONOMICAL CHOICE** for general machining

4:1 Ratio

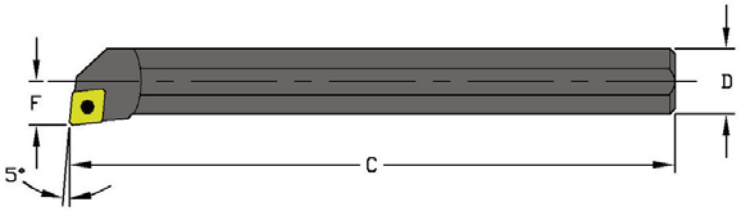
.156" - 2" Diameters

Other Pages of Interest

pg35 **Boring Kits**

pg36 **Reduced Neck**

pg40 **Pullback Clamp**



NEW F-DIMENSION SIZES!

4:1 Ratio

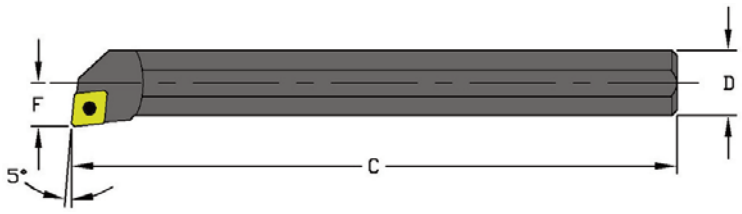
Positive 80° Diamond (-5° Lead)

No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
S02.5G SCLDR/L1.2*	.156	3.5	.090	.175	CDHB 1.20.60	MTS-182	T-6	**$44.00**
S03G SCLDR/L1.2*	.187	3.5	.102	.205		MTS-183	T-6	**$44.00**
S03.5G SCLDR/L1.5*	.218	3.5	.125	.245	CDGW 1.510	MTS-184	T-6	**$44.00**
S04G SCLDR/L1.5*	.250	3.5	.138	.275		MTS-184	T-6	**$44.00**
S04G SCLDR/L1.5-172*	.250	3.5	.172	.312		MTS-184	T-6	**$44.00**
S05G SCLPR/L1.8*	.312	3.5	.167	.340	CPMT 1.81.20.5	MTS-224	T-7	**$44.00**
S05G SCLPR/L1.8-219*	.312	3.5	.219	.395		MTS-224	T-7	**$44.00**
S06K SCLPR/L2	.375	5	.203	.410	CPMT 21.51	MTS-255	T-7	**$49.00**
S06K SCLPR/L2-250	.375	5	.250	.460		MTS-255	T-7	**$49.00**
S08M SCLPR/L2	.500	6	.281	.560		MTS-255	T-7	**$55.00**
S08M SCLPR/L2-312	.500	6	.312	.600		MTS-255	T-7	**$55.00**
S10Q SCLPR/L2	.625	7	.406	.760		MTS-255	T-7	**$68.00**
S08M SCLPR/L3	.500	6	.344	.625	CPMT 32.51	MTS-35	T-15	**$55.00**
S10Q SCLPR/L3	.625	7	.406	.760		MTS-35	T-15	**$68.00**
S12Q SCLPR/L3	.750	7	.500	.920		MTS-35	T-15	**$78.00**
S16R SCLPR/L3	1.000	8	.625	1.185		MTS-35	T-15	**$108.00**
S06K SCLCR/L2	.375	5	.203	.410	CCMT 21.51	MTS-255	T-7	**$49.00**
S06K SCLCR/L2-250	.375	5	.250	.460		MTS-255	T-7	**$49.00**
S08M SCLCR/L2	.500	6	.281	.560		MTS-255	T-7	**$55.00**
S08M SCLCR/L2-312	.500	6	.312	.600		MTS-255	T-7	**$55.00**
S10Q SCLCR/L2	.625	7	.406	.760		MTS-255	T-7	**$68.00**
S08M SCLCR/L3	.500	6	.344	.625	CCMT 32.51	MTS-35	T-15	**$55.00**
S10Q SCLCR/L3	.625	7	.406	.760		MTS-35	T-15	**$68.00**
S12Q SCLCR/L3	.750	7	.500	.920		MTS-35	T-15	**$78.00**
S12S SCLCR3	.750	10	.500	.920		MTS-35	T-15	**$84.00**
S16R SCLCR/L3	1.000	8	.625	1.185		MTS-35	T-15	**$108.00**
S16T SCLCR3	1.000	12	.625	1.185		MTS-35	T-15	**$122.00**
S20U SCLCR/L4	1.250	14	.765	1.465	CCMT 432	MTS-4	T-20	**$168.00**
S24U SCLCR/L4	1.500	14	.890	1.730		MTS-4	T-20	**$188.00**

Also available in: Hybrid pg: 43 | Carbide pg: 45 | Heavy Metal pg: 63 | Chatter-Free pg: 87,99

* bars .312 and smaller do not have flats



NEW F-DIMENSION SIZES!

4:1 Ratio

Positive 80° Diamond (-5° Lead)

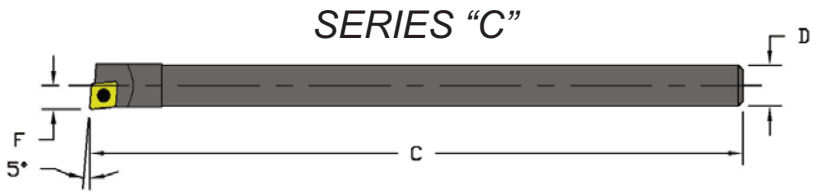
Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
A04G SCLDR/L1.5*	.250	3.5	.138	.275	CDGW 1.510	MTS-184	T-6	**$60.00**
A04G SCLDR/L1.5-172*	.250	3.5	.172	.312		MTS-184	T-6	**$60.00**
A05G SCLPR/L1.8*	.312	3.5	.167	.340	CPMT 1.81.20.5	MTS-224	T-7	**$60.00**
A05G SCLPR/L1.8-219*	.312	3.5	.219	.395		MTS-224	T-7	**$60.00**
A06K SCLPR/L2	.375	5	.203	.410	CPMT 21.51	MTS-255	T-7	**$65.00**
A06K SCLPR/L2-250	.375	5	.250	.460		MTS-255	T-7	**$65.00**
A08M SCLPR/L2	.500	6	.281	.560		MTS-255	T-7	**$71.00**
A08M SCLPR/L2-312	.500	6	.312	.600		MTS-255	T-7	**$71.00**
A10Q SCLPR/L2	.625	7	.406	.760		MTS-255	T-7	**$87.00**
A08M SCLPR/L3	.500	6	.344	.625	CPMT 32.51	MTS-35	T-15	**$71.00**
A10Q SCLPR/L3	.625	7	.406	.760		MTS-35	T-15	**$87.00**
A12Q SCLPR/L3	.750	7	.500	.920		MTS-35	T-15	**$102.00**
A16R SCLPR/L3	1.000	8	.625	1.185		MTS-35	T-15	**$135.00**
A06K SCLCR/L2	.375	5	.203	.410	CCMT 21.51	MTS-255	T-7	**$65.00**
A06K SCLCR/L2-250	.375	5	.250	.460		MTS-255	T-7	**$65.00**
A08M SCLCR/L2	.500	6	.281	.560		MTS-255	T-7	**$71.00**
A08M SCLCR/L2-312	.500	6	.312	.600		MTS-255	T-7	**$71.00**
A10Q SCLCR/L2	.625	7	.406	.760		MTS-255	T-7	**$87.00**
A08M SCLCR/L3	.500	6	.344	.625	CCMT 32.51	MTS-35	T-15	**$71.00**
A10Q SCLCR/L3	.625	7	.406	.760		MTS-35	T-15	**$87.00**
A12Q SCLCR/L3	.750	7	.500	.920		MTS-35	T-15	**$102.00**
A16R SCLCR/L3	1.000	8	.625	1.185		MTS-35	T-15	**$135.00**
A20U SCLCR/L4	1.250	14	.765	1.465	CCMT 432	MTS-4	T-20	**$211.00**
A24U SCLCR/L4	1.500	14	.890	1.730		MTS-4	T-20	**$239.00**

Also available in: Carbide pg: 46,47 | Heavy Metal pg: 63 | Modular pg: 69 | Chatter-Free pg: 87,99

*bars .312 and smaller do not have flats

Prices are subject to change without notice.



New!

4:1 Ratio

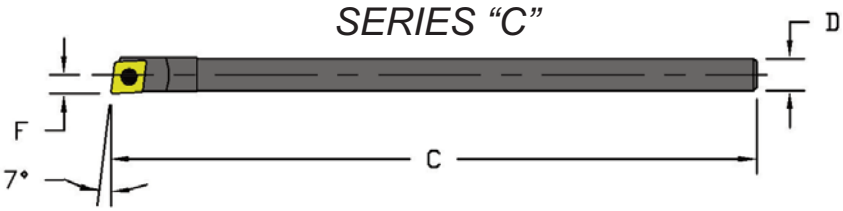
Positive 80° Diamond (-5° Lead)

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
CSUD-180/187-2 1/2-5R*	.187	2.5	.104	.208	CDHB 1.20.60	MTS-183	T-6	**$69.00**
CSUD-187-2 1/2-5R*	.187	2.5	.116	.230		MTS-183	T-6	**$69.00**
CSUD-250-3-5R*	.250	3	.145	.285		MTS-184	T-6	**$69.00**

Also available in: Carbide pg: 48

*bars do not have flats



New!

4:1 Ratio

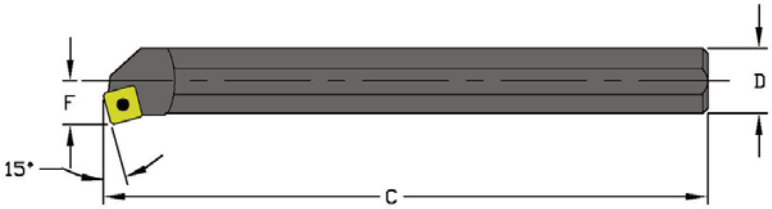
Positive 80° Diamond (-7° Lead)

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
CSUD-165/187-1/2-7R*	.187	2.5	.095	.180	CDHB 1.20.60	MTS-183	T-6	**$69.00**

Also available in: Carbide pg: 47

*bars do not have flats



4:1 Ratio

Positive Square (15° Lead)

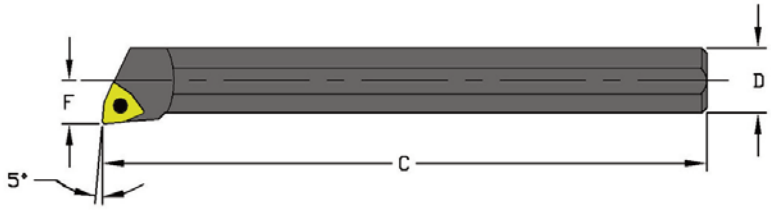
No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
S06K SSKCR2	.375	5	.250	.460	SCMT 21.51	MTS-255	T-7	**$54.00**
S08M SSKCR3	.500	6	.344	.625	SCMT 32.51	MTS-35	T-15	**$61.00**
S10Q SSKCR3	.625	7	.406	.760		MTS-35	T-15	**$76.00**
S12Q SSKCR3	.750	7	.500	.920		MTS-35	T-15	**$87.00**
S16R SSKCR4	1.000	8	.625	1.185	SCMT 432	MTS-4	T-20	**$120.00**

Also available in: Carbide pg: 48 | Modular pg: 70

Steel Boring Bars (Positive)

MADE IN USA



4:1 Ratio

Positive Trigon (-5° Lead) — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
S03G SWLCR1.2*	.187	3.5	.102	.205	WCMT 1.210.5	MTS-183	T-6	**$49.00**
S04G SWLCR1.2*	.250	3.5	.138	.275		MTS-184	T-6	**$49.00**
S05G SWLCR1.5*	.312	3.5	.167	.342	WCMT 1.51.50.5	MTS-2	T-6	**$49.00**
S06K SWLCR/L2	.375	5	.203	.410	WCMT 21.51	MTS-255	T-7	**$49.00**
S08M SWLCR/L2	.500	6	.281	.560		MTS-255	T-7	**$55.00**
S10Q SWLCR/L2	.625	7	.406	.760		MTS-255	T-7	**$68.00**
S10Q SWLCR/L3	.625	7	.406	.760	WCMT 32.51	MTS-35	T-15	**$68.00**
S12Q SWLCR/L3	.750	7	.500	.920		MTS-35	T-15	**$78.00**
S16R SWLCR/L3	1.000	8	.625	1.185		MTS-35	T-15	**$108.00**

Also available in: Carbide pg: 49 | Heavy Metal pg: 64

Positive Trigon (-5° Lead) — Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
A06K SWLCR/L2	.375	5	.203	.410	WCMT 21.51	MTS-255	T-7	**$65.00**
A08M SWLCR/L2	.500	6	.281	.560		MTS-255	T-7	**$71.00**
A10Q SWLCR/L2	.625	7	.406	.760		MTS-255	T-7	**$87.00**
A10Q SWLCR/L3	.625	7	.406	.760	WCMT 32.51	MTS-35	T-15	**$87.00**
A12Q SWLCR/L3	.750	7	.500	.920		MTS-35	T-15	**$102.00**
A16R SWLCR/L3	1.000	8	.625	1.185		MTS-35	T-15	**$135.00**

Also available in: Carbide pg: 49 | Heavy Metal pg: 64 | Modular pg: 70

* bars .312 and smaller do not have flats

2xD 2.5xD 4xD

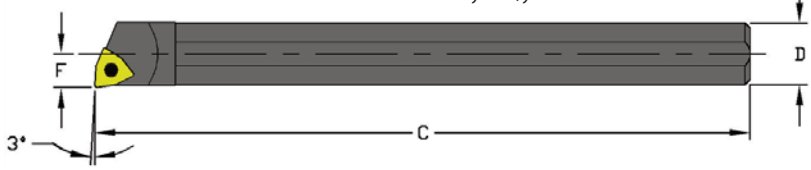
INDEXABLE DRILLS

BEST Value in the Industry!

SEE Page 116

Prices are subject to change without notice.

SERIES "G, Q, S"



New!

4:1 Ratio

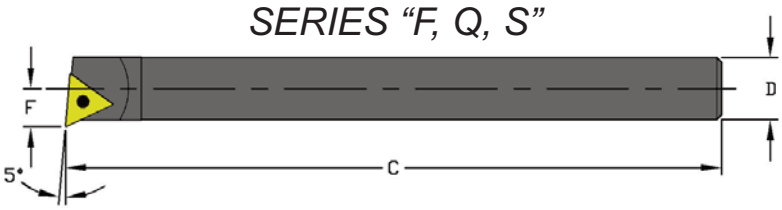
Positive Trigon (-3° Lead)

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
GSUDW-187-4-3R/L	.187	4	.126	.260	WPGT 1.510	MTS-184	T-6	$64.00
GSUDW-250-4-3R/L	.250	4	.143	.285		MTS-184	T-6	$64.00
GSUDW-312-4-3R/L	.312	4	.174	.347		MTS-184	T-6	$64.00
QSUDW-375-5-3R/L	.375	5	.211	.415	WPGT 21.50	MTS-255	T-7	$69.00
QSUDW-500-6-3R/L	.500	6	.273	.540		MTS-255	T-7	$75.00
SSUDW-625-7-3R/L	.625	7	.345	.675	WPMT 32.51	MTS-35	T-15	$75.00
SSUDW-750-8-3R/L	.750	8	.407	.800		MTS-35	T-15	$81.00

Also available in: Carbide pg: 48

SERIES "F, Q, S"



New!

4:1 Ratio

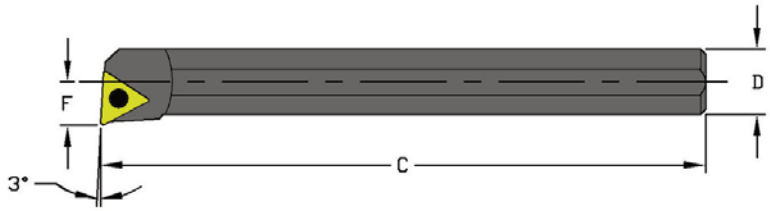
Positive Triangle (-5° Lead)

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
FSUD-187-3 1/2-5R*	.187	3.5	.123	.275	TDAB 505	MTS-224	T-7	$64.00
FSUD-250-4-5R*	.250	4	.156	.300		MTS-224	T-7	$64.00
FSUD-312-4-5R*	.312	4	.187	.60		MTS-224	T-7	$64.00
QSUD-375-5-5R/L*	.375	5	.221	.438	TPCG 2205	ETS 4-40	T-10	$69.00
QSUD-500-6-5R*	.500	6	.296	.563		ETS 4-40	T-10	$75.00
SSUD-500-6-5R*	.500	6	.339	.668	TD 6P 05	ETS 4-40	T-10	$69.00
SSUD-625-4-5R*	.625	4	.393	.731		ETS 4-40	T-10	$69.00
SSUD-625-7-5R*	.625	7	.393	.731		ETS 4-40	T-10	$75.00
SSUD-750-4-5R*	.750	4	.460	.855		ETS 4-40	T-10	$75.00
SSUD-750-8-5R*	.750	8	.460	.855		ETS 4-40	T-10	$81.00
SSUD-1000-10-5R*	1.000	10	.585	1.105		ETS 4-40	T-10	$116.00

Also available in: Carbide pg: 51

*bars do not have flats



NEW F-DIMENSION SIZES!

4:1 Ratio

Positive Triangle (-3° Lead)

No Coolant

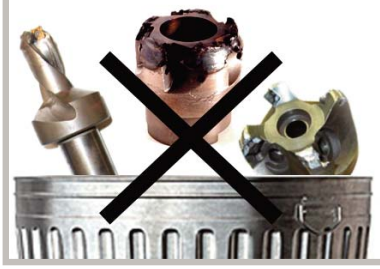
Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
S04G STUCR/L1.2*	.250	3.5	.138	.275	TCMT 1.21.20.5	MTS-184	T-6	$44.00
S04G STUCR/L1.2-172*	.250	3.5	.172	.312		MTS-184	T-6	$44.00
S05G STUCR/L1.2*	.312	3.5	.167	.340		MTS-184	T-6	$44.00
S05G STUCR/L1.2-219*	.312	3.5	.219	.395		MTS-184	T-6	$44.00
S06K STUCR/L1.2	.375	5	.203	.410		MTS-184	T-6	$49.00
S06K STUCR/L2	.375	5	.203	.410	TCMT 21.51	MTS-255	T-7	$49.00
S06K STUCR/L2-250	.375	5	.250	.460		MTS-255	T-7	$49.00
S08M STUCR/L2	.500	6	.281	.560		MTS-255	T-7	$55.00
S08M STUCR/L2-312	.500	6	.312	.600		MTS-255	T-7	$55.00
S10Q STUCR/L2	.625	7	.406	.760		MTS-255	T-7	$68.00
S12Q STUCR/L3	.750	7	.500	.920	TCMT 32.51	MTS-35	T-15	$78.00
S16R STUCR/L3	1.00	8	.625	1.185		MTS-35	T-15	$108.00
S06K STUPR/L2	.375	5	.203	.410	TPMT 21.51	MTS-255	T-7	$49.00
S06K STUPR/L2-250	.375	5	.250	.460		MTS-255	T-7	$49.00
S08M STUPR/L2	.500	6	.281	.560		MTS-255	T-7	$55.00
S08M STUPR/L2-312	.500	6	.312	.600		MTS-255	T-7	$55.00
S10Q STUPR/L2	.625	7	.406	.760		MTS-255	T-7	$68.00
S12Q STUPR/L3	.750	7	.500	.920	TPMT 32.51	MTS-35	T-15	$78.00
S16R STUPR/L3	1.000	8	.625	1.185		MTS-35	T-15	$108.00

Also available in: Carbide pg: 50 | Heavy Metal pg: 65

* bars .312 and smaller do not have flats

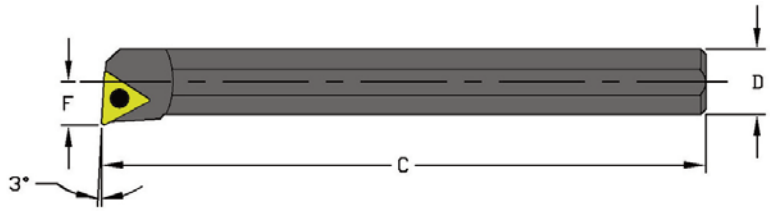
DON'T THROW IT AWAY!

Send Us Your Damaged Tooling for Repair



See pg. 166 For More Details

Prices are subject to change without notice.



NEW F-DIMENSION SIZES!

4:1 Ratio

Positive Triangle (-3° Lead)

Coolant Thru

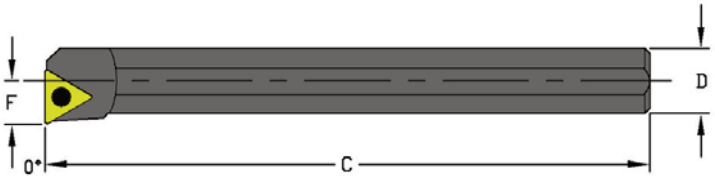
Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
A04G STUCR/L1.2*	.250	3.5	.138	.275	TCMT 1.21.20.5	MTS-184	T-6	**$60.00**
A04G STUCR/L1.2-172*	.250	3.5	.172	.312		MTS-184	T-6	**$60.00**
A05G STUCR/L1.2*	.312	3.5	.167	.340		MTS-184	T-6	**$60.00**
A05G STUCR/L1.2-219*	.312	3.5	.219	.395		MTS-184	T-6	**$60.00**
A06K STUCR/L1.2	.375	5	.203	.410		MTS-184	T-6	**$65.00**
A06K STUCR/L2	.375	5	.203	.410	TCMT 21.51	MTS-255	T-7	**$65.00**
A06K STUCR/L2-250	.375	5	.250	.460		MTS-255	T-7	**$65.00**
A08M STUCR/L2	.500	6	.281	.560		MTS-255	T-7	**$71.00**
A08M STUCR/L2-312	.500	6	.312	.600		MTS-255	T-7	**$71.00**
A10Q STUCR/L2	.625	7	.406	.760		MTS-255	T-7	**$87.00**
A12Q STUCR/L3	.750	7	.500	.920	TCMT 32.51	MTS-35	T-15	**$102.00**
A16R STUCR/L3	1.000	8	.625	1.185		MTS-35	T-15	**$135.00**
A06K STUPR/L2	.375	5	.203	.410	TPMT 21.51	MTS-255	T-7	**$65.00**
A06K STUPR/L2-250	.375	5	.250	.460		MTS-255	T-7	**$65.00**
A08M STUPR/L2	.500	6	.281	.560		MTS-255	T-7	**$71.00**
A08M STUPR/L2-312	.500	6	.312	.600		MTS-255	T-7	**$71.00**
A10Q STUPR/L2	.625	7	.406	.760		MTS-255	T-7	**$87.00**
A12Q STUPR/L3	.750	7	.500	.920	TPMT 32.51	MTS-35	T-15	**$102.00**
A16R STUPR/L3	1.000	8	.625	1.185		MTS-35	T-15	**$135.00**

Also available in: Carbide pg: 52 | Heavy Metal pg: 65 | Modular pg: 70 | Chatter-Free pg: 88

* bars .312 and smaller do not have flats

MADE IN USA

Steel Boring Bars (Positive)



MADE IN USA

4:1 Ratio

Positive Triangle (0° Lead) — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
S04G STFCR/L1.2*	.250	3.5	.138	.275	TCMT 1.21.20.5	MTS-184	T-6	**$44.00**
S05G STFCR/L1.2*	.312	3.5	.167	.340		MTS-184	T-6	**$44.00**
S06K STFCR/L1.2	.375	5	.203	.410		MTS-184	T-6	**$49.00**
S06K STFCR2	.375	5	.203	.410	TCMT 21.51	MTS-255	T-7	**$49.00**
S08M STFCR2	.500	6	.281	.560		MTS-255	T-7	**$55.00**
S10Q STFCR2	.625	7	.406	.760		MTS-255	T-7	**$68.00**
S12Q STFCR3	.750	7	.500	.920	TCMT 32.51	MTS-35	T-15	**$78.00**
S16R STFCR3	1.000	8	.625	1.185		MTS-35	T-15	**$108.00**
S06K STFPR2	.375	5	.203	.410	TPMT 21.51	MTS-255	T-7	**$49.00**
S08M STFPR2	.500	6	.281	.560		MTS-255	T-7	**$55.00**
S10Q STFPR2	.625	7	.406	.760		MTS-255	T-7	**$68.00**
S12Q STFPR3	.750	7	.500	.920	TPMT 32.51	MTS-35	T-15	**$78.00**
S16R STFPR3	1.000	8	.625	1.185		MTS-35	T-15	**$108.00**

Also available in: Carbide pg: 53

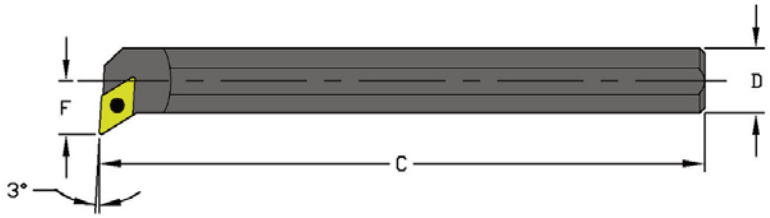
Positive Triangle (0° Lead) — Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
A06K STFCR2	.375	5	.203	.410	TCMT 21.51	MTS-255	T-7	**$65.00**
A08M STFCR2	.500	6	.281	.560		MTS-255	T-7	**$71.00**
A10Q STFCR2	.625	7	.406	.760		MTS-255	T-7	**$87.00**
A12Q STFCR3	.750	7	.500	.920	TCMT 32.51	MTS-35	T-15	**$102.00**
A16R STFCR3	1.000	8	.625	1.185		MTS-35	T-15	**$135.00**
A06K STFPR2	.375	5	.203	.410	TPMT 21.51	MTS-255	T-7	**$65.00**
A08M STFPR2	.500	6	.281	.560		MTS-255	T-7	**$71.00**
A10Q STFPR2	.625	7	.406	.760		MTS-255	T-7	**$87.00**
A12Q STFPR3	.750	7	.500	.920	TPMT 32.51	MTS-35	T-15	**$102.00**
A16R STFPR3	1.000	8	.625	1.185		MTS-35	T-15	**$135.00**

Also available in: Carbide pg: 53 | Chatter-Free pg: 99

* bars .312 and smaller do not have flats

Prices are subject to change without notice.



4:1 Ratio

Positive 55° Diamond (-3° Lead) Profiling — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
S06K SDUCR/L2	.375	5	.375	.585	DCMT 21.51	MTS-255	T-7	$60.00
S08M SDUCR/L2	.500	6	.437	.720		MTS-255	T-7	$68.00
S10Q SDUCR/L2	.625	7	.500	.850		MTS-255	T-7	$83.00
S12Q SDUCR/L3	.750	7	.625	1.050	DCMT 32.51	MTS-35	T-15	$94.00
S16R SDUCR/L3	1.000	8	.750	1.310		MTS-35	T-15	$127.00
S12Q SDUPR/L3	.750	7	.625	1.050	DPMT 32.51	MTS-35	T-15	$94.00
S16R SDUPR/L3	1.000	8	.750	1.310		MTS-35	T-15	$127.00

Also available in: Carbide pg: 54

Positive 55° Diamond (-3° Lead) Profiling — Coolant Thru

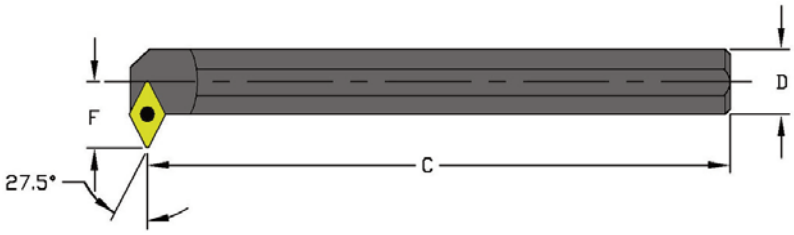
Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
A06K SDUCR/L2	.375	5	.375	.585	DCMT 21.51	MTS-255	T-7	$71.00
A08M SDUCR/L2	.500	6	.437	.720		MTS-255	T-7	$77.00
A10Q SDUCR/L2	.625	7	.500	.850		MTS-255	T-7	$94.00
A12Q SDUCR/L3	.750	7	.625	1.050	DCMT 32.51	MTS-35	T-15	$109.00
A16R SDUCR/L3	1.000	8	.750	1.310		MTS-35	T-15	$142.00
A12Q SDUPR/L3	.750	7	.625	1.050	DPMT 32.51	MTS-35	T-15	$109.00
A16R SDUPR/L3	1.000	8	.750	1.310		MTS-35	T-15	$142.00

Also available in: Carbide pg: 54 | Modular pg: 71 | Chatter-Free pg: 89,100

SAME DAY SHIPPING

On orders placed before 3:30pm EST

SEE PAGE 167 for more details



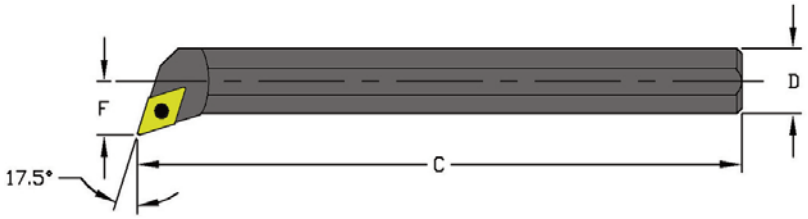
4:1 Ratio

Positive 55° Diamond (27.5° Lead) Profiling

No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
S10Q SDNCR2	.625	6.86	.562	.920	DCMT 21.51	MTS-255	T-7	**$83.00**
S12Q SDNCR3	.750	6.80	.765	1.190	DCMT 32.51	MTS-35	T-15	**$94.00**
S16R SDNCR3	1.00	7.80	.890	1.450		MTS-35	T-15	**$127.00**

Also available in: Carbide pg: 55 | Modular pg: 71 | Chatter-Free pg: 100



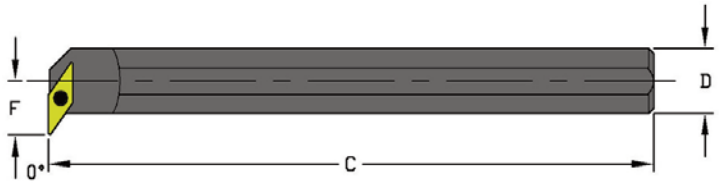
4:1 Ratio

Positive 55° Diamond (-17.5° Lead) Profiling

No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
S06K SDQCR2	.375	5	.281	.490	DCMT 21.51	MTS-255	T-7	**$60.00**
S08M SDQCR2	.500	6	.341	.620		MTS-255	T-7	**$68.00**
S10Q SDQCR2	.625	7	.406	.760		MTS-255	T-7	**$83.00**

Also available in: Carbide pg: 55 | Modular pg: 71

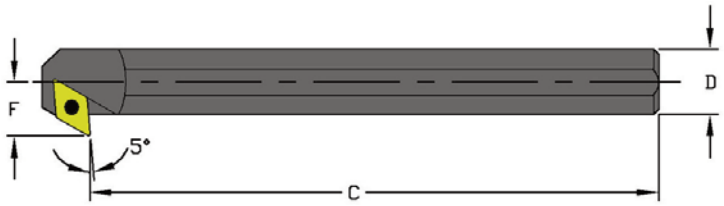


4:1 Ratio

Positive 35° Diamond (0° Lead) Profiling

No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
S10Q SVFBR2	.625	7	.500	.850	VBMT 21.51	MTS-2.5L	T-7	**$83.00**
S12Q SVFBR2	.750	7	.625	1.050		MTS-2.5L	T-7	**$94.00**
S16X SVFBR3	1.000	9	.750	1.310	VBMT 331	MTS-3.5L	T-15	**$127.00**



MADE IN USA

4:1 Ratio

Positive 55° Diamond (5° Lead) Back Facing — No Coolant

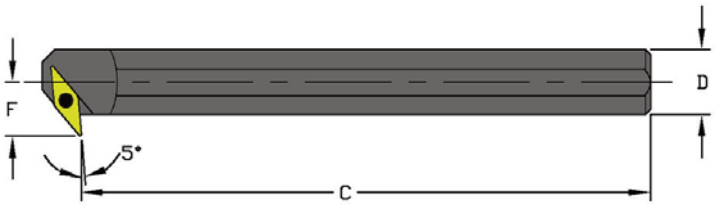
Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
S06J SDXCR/L2	.375	4.5	.375	.585	DCMT 21.51	MTS-255	T-7	**$60.00**
S08M SDXCR/L2	.500	6	.437	.720		MTS-255	T-7	**$68.00**
S10M SDXCR/L2	.625	6	.500	.850		MTS-255	T-7	**$83.00**
S12Q SDXCR/L3	.750	7	.625	1.050	DCMT 32.51	MTS-35	T-15	**$94.00**
S16X SDXCR/L3	1.000	9	.750	1.310		MTS-35	T-15	**$127.00**

Also available in: Carbide pg: 56

Positive 55° Diamond (5° Lead) Back Facing — Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
A06J SDXCR/L2	.375	4.5	.375	.585	DCMT 21.51	MTS-255	T-7	**$71.00**
A08M SDXCR/L2	.500	6	.437	.720		MTS-255	T-7	**$77.00**
A10M SDXCR/L2	.625	6	.500	.850		MTS-255	T-7	**$94.00**
A12Q SDXCR/L3	.750	7	.625	1.050	DCMT 32.51	MTS-35	T-15	**$109.00**
A16X SDXCR/L3	1.000	9	.750	1.310		MTS-35	T-15	**$142.00**

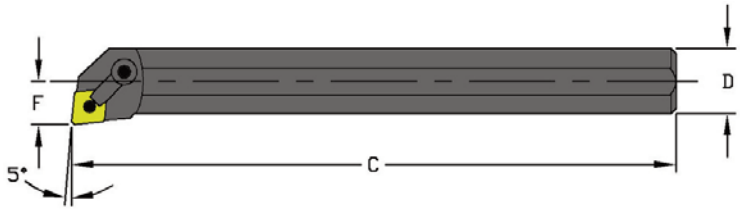
Also available in: Carbide pg: 56 | Modular pg: 72 | Chatter-Free pg: 101



4:1 Ratio

Positive 35° Diamond (5° Lead) Back Facing — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
S12Q SVXBR2	.750	6.6	.625	1.050	VBMT 21.51	MTS-2.5L	T-7	**$94.00**
S16X SVXBR3	1.000	9	.875	1.435	VBMT 331	MTS-3.5L	T-15	**$127.00**



4:1 Ratio

Negative 80° Diamond (-5° Lead) — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim Seat	Clamp	Clamp Screw	Lock Pin	Price
S12R MCLNR/L3	.750	8	.500	.920	CNMG 322	--	CL-7	XNS-36	NL-33	**$98.00**
S16S MCLNR/L3	1.000	10	.640	1.200		--	CL-7	XNS-36	NL-33	**$128.00**
S16S MCLNR/L4	1.000	10	.640	1.200	CNMG 432	--	CL-20	XNS-47	NL-44	**$128.00**
S20S MCLNR/L4	1.250	10	.765	1.470		ICSN-433	CL-20	XNS-47	NL-46	**$148.00**
S20U MCLNR/L4	1.250	14	.765	1.470		ICSN-433	CL-20	XNS-47	NL-46	**$190.00**
S24U MCLNR/L4	1.500	14	.890	1.730		ICSN-433	CL-20	XNS-47	NL-46	**$215.00**
S32V MCLNR/L4	2.000	16	1.281	2.400		ICSN-433	CL-20	XNS-47	NL-46	**$243.00**

Also available in: Hybrid pg: 43

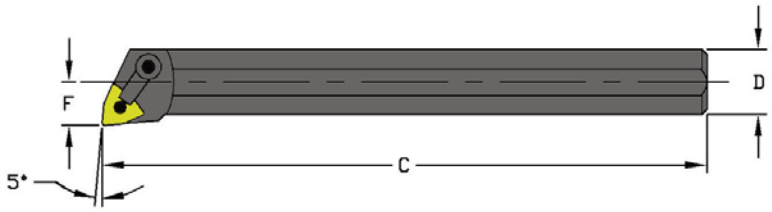
Negative 80° Diamond (-5° Lead) — Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim Seat	Clamp	Clamp Screw	Lock Pin	Price
A12R MCLNR/L3	.750	8	.500	.920	CNMG 322	--	CL-7	XNS-36	NL-33	**$127.00**
A16S MCLNR/L3	1.000	10	.640	1.200		--	CL-7	XNS-36	NL-33	**$161.00**
A16S MCLNR/L4	1.000	10	.640	1.200	CNMG 432	--	CL-20	XNS-47	NL-44	**$161.00**
A20S MCLNR/L4	1.250	10	.765	1.470		ICSN-433	CL-20	XNS-47	NL-46	**$181.00**
A20U MCLNR/L4	1.250	14	.765	1.470		ICSN-433	CL-20	XNS-47	NL-46	**$236.00**
A24U MCLNR/L4	1.500	14	.890	1.730		ICSN-433	CL-20	XNS-47	NL-46	**$268.00**
A32V MCLNR/L4	2.000	16	1.281	2.400		ICSN-433	CL-20	XNS-47	NL-46	**$299.00**

Also available in: Carbide pg: 57 | Modular pg: 73 | Chatter-Free pg: 90

MADE IN USA

Prices are subject to change without notice.



4:1 Ratio

Negative Trigon (-5° Lead) — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim Seat	Clamp	Clamp Screw	Lock Pin	Price
S12R MWLNR/L3	.750	8	.500	.920	WNMG 332	--	CL-7	XNS-36	NL-33L	**$98.00**
S16S MWLNR/L3	1.000	10	.640	1.200		--	CL-7	XNS-36	NL-33L	**$128.00**
S16S MWLNR/L4	1.000	10	.640	1.200	WNMG 432	--	CL-20	XNS-47	NL-44	**$128.00**
S20S MWLNR/L4	1.250	10	.765	1.470		IWSN-433	CL-20	XNS-47	NL-46	**$148.00**
S20U MWLNR/L4	1.250	14	.765	1.470		IWSN-433	CL-20	XNS-47	NL-46	**$180.00**
S24U MWLNR/L4	1.500	14	.890	1.730		IWSN-433	CL-20	XNS-47	NL-46	**$215.00**
S32V MWLNR/L4	2.000	16	1.281	2.400		IWSN-433	CL-20	XNS-47	NL-46	**$243.00**

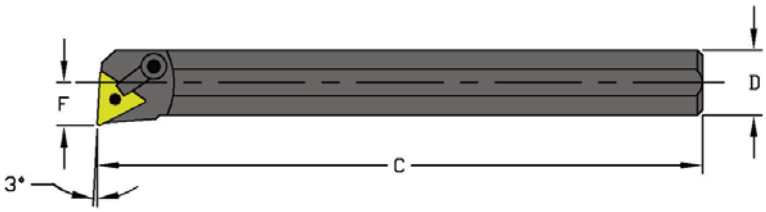
Also available in: Hybrid pg: 43

Negative Trigon (-5° Lead) — Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim Seat	Clamp	Clamp Screw	Lock Pin	Price
A12R MWLNR/L3	.750	8	.500	.920	WNMG 332	--	CL-7	XNS-36	NL-33L	**$127.00**
A16S MWLNR/L3	1.000	10	.640	1.200		--	CL-7	XNS-36	NL-33L	**$161.00**
A16S MWLNR/L4	1.000	10	.640	1.200	WNMG 432	--	CL-20	XNS-47	NL-44	**$161.00**
A20S MWLNR/L4	1.250	10	.765	1.470		IWSN-433	CL-20	XNS-47	NL-46	**$181.00**
A20U MWLNR/L4	1.250	14	.765	1.470		IWSN-433	CL-20	XNS-47	NL-46	**$236.00**
A24U MWLNR/L4	1.500	14	.890	1.730		IWSN-433	CL-20	XNS-47	NL-46	**$268.00**
A32V MWLNR/L4	2.000	16	1.281	2.400		IWSN-433	CL-20	XNS-47	NL-46	**$299.00**

Also available in: Carbide pg: 57 | Modular pg: 74 | Chatter Free pg: 92

Proudly made in this 36,000 sq. ft. facility located in Flushing, Michigan



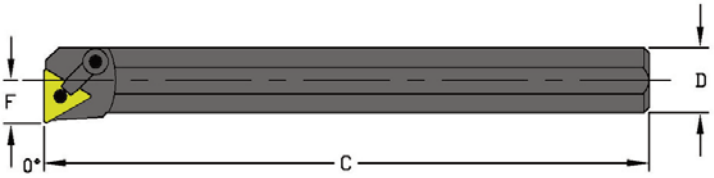
4:1 Ratio

Negative Triangle (-3° Lead)

No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim Seat	Clamp	Clamp Screw	Lock Pin	Price
S16S MTUNR3	1.000	10	.640	1.200	TNMG 332	--	CL-7	XNS-36	NL-33L	**$128.00**
S20S MTUNR3	1.250	10	.765	1.470		ITSN-323	CL-7	XNS-36	NL-34L	**$148.00**
S20U MTUNR3	1.250	14	.765	1.470		ITSN-323	CL-7	XNS-36	NL-34L	**$190.00**
S24U MTUNR4	1.500	14	.890	1.730	TNMG 432	ITSN-433	CL-20	XNS-47	NL-46	**$215.00**

Also available in: Modular pg: 75 | Chatter-Free pg: 92



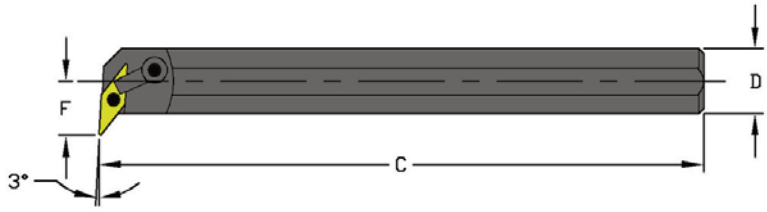
4:1 Ratio

Negative Triangle (0° Lead)

No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim Seat	Clamp	Clamp Screw	Lock Pin	Price
S16S MTFNR3	1.000	10	.640	1.200	TNMG 332	--	CL-7	XNS-36	NL-33L	**$128.00**
S20S MTFNR3	1.250	10	.765	1.470		ITSN-323	CL-7	XNS-36	NL-34L	**$148.00**
S20U MTFNR3	1.250	14	.765	1.470		ITSN-323	CL-7	XNS-36	NL-34L	**$190.00**
S24U MTFNR4	1.500	14	.890	1.730	TNMG 432	ITSN-433	CL-20	XNS-47	NL-46	**$215.00**

Also available in: Modular pg:75



4:1 Ratio

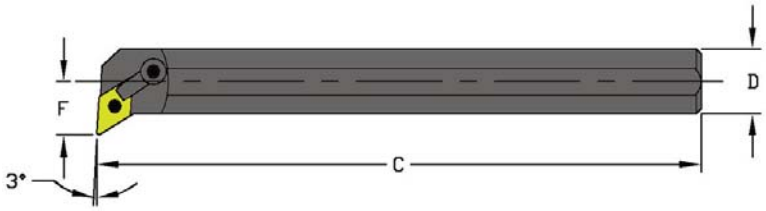
Negative 35° Diamond (-3° Lead) **Profiling**

No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim Seat	Clamp	Clamp Screw	Lock Pin	Price
S16S MVUNR3	1.000	10	.875	1.435	VNMG 332	IVSN-322	CL-20	XNS-47	NL-34L	**$171.00**
S20T MVUNR3	1.250	12	1.000	1.705		IVSN-322	CL-20	XNS-47	NL-34L	**$216.00**
S24U MVUNR3	1.500	14	1.120	1.960		IVSN-322	CL-20	XNS-47	NL-34L	**$248.00**

Also available in: Modular pg: 77 | Chatter-Free pg: 94

Prices are subject to change without notice.



4:1 Ratio

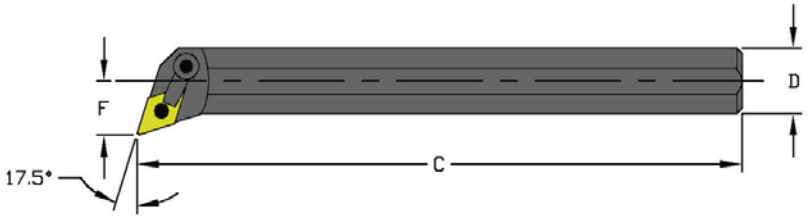
Negative 55° Diamond (-3° Lead) Profiling — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim Seat	Clamp	Clamp Screw	Lock Pin	Price
S12R MDUNR/L3	.750	8	.625	1.050	DNMG 332	--	CL-7	XNS-36	NL-33L	$118.00
S16S MDUNR/L3	1.000	10	.750	1.310		--	CL-7	XNS-36	NL-33L	$151.00
S20T MDUNR/L3	1.250	12	1.000	1.700		IDSN-322	CL-7	XNS-36	NL-34L	$216.00
S20T MDUNR/L4	1.250	12	1.000	1.700	DNMG 432	IDSN-433	CL-22	XNS-48	NL-46	$216.00
S24U MDUNR/L4	1.500	14	1.125	1.960		IDSN-433	CL-22	XNS-48	NL-46	$248.00

Negative 55° Diamond (-3° Lead) Profiling — Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim Seat	Clamp	Clamp Screw	Lock Pin	Price
A12R MDUNR/L3	.750	8	.625	1.050	DNMG 332	--	CL-7	XNS-36	NL-33L	$136.00
A16S MDUNR/L3	1.000	10	.750	1.310		--	CL-7	XNS-36	NL-33L	$170.00
A20T MDUNR/L3	1.250	12	1.000	1.700		IDSN-322	CL-7	XNS-36	NL-34L	$241.00
A20T MDUNR/L4	1.250	12	1.000	1.700	DNMG 432	IDSN-433	CL-22	XNS-48	NL-46	$241.00
A24U MDUNR/L4	1.500	14	1.125	1.960		IDSN-433	CL-22	XNS-48	NL-46	$277.00

Also available in: Modular pg: 76 | Chatter-Free pg: 93



4:1 Ratio

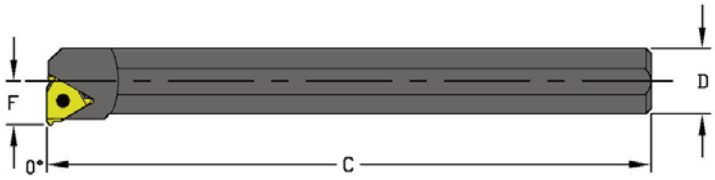
Negative 55° Diamond (-17.5° Lead) Profiling — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim Seat	Clamp	Clamp Screw	Lock Pin	Price
S20T MDQNR/L4	1.250	12	1.000	1.700	DNMG 432	IDSN-433	CL-22	XNS-48	NL-46	$216.00
S24U MDQNR/L4	1.500	14	1.125	1.960		IDSN-433	CL-22	XNS-48	NL-46	$248.00

Negative 55° Diamond (-17.5° Lead) Profiling — Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim Seat	Clamp	Clamp Screw	Lock Pin	Price
A20T MDQNR/L4	1.250	12	1.000	1.700	DNMG 432	IDSN-433	CL-22	XNS-48	NL-46	$241.00
A24U MDQNR/L4	1.500	14	1.125	1.960		IDSN-433	CL-22	XNS-48	NL-46	$277.00

Also available in: Modular pg: 76



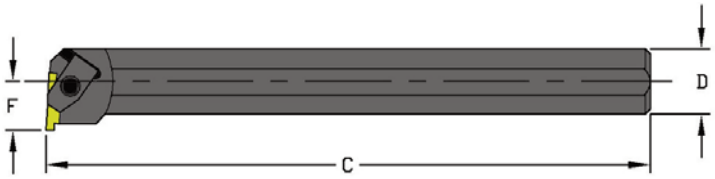
4:1 Ratio

Threading/Grooving Laydown

Coolant Thru

Designation	D Dia.	C OAL	F	L	Min Bore	Insert	Insert Screw	Anvil Screw	Anvil Right	Anvil Left	Price
A08M LSER2-N	.500	6	.210	2.000	.490	2IR	SR34505	--	--	--	**$87.00**
A08M LSER2	.500	6	.293	--	.570	2IR	SR34505	--	--	--	**$77.00**
A10Q LSER2	.625	7	.356	--	.706		SR34505	--	--	--	**$94.00**
A12Q LSER/L3	.750	7	.510	--	.935	3IR/3IL	MTS-35	--	--	--	**$109.00**
A16R LSER/L3	1.000	8	.650	--	1.210		SA3T	SY3T	YI3	YE3	**$150.00**

Also available in: Carbide pg: 58 | Modular pg: 78 | Chatter-Free pg: 96



4:1 Ratio

Threading/Grooving Top Notch

No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	RH Clamp	LH Clamp	Clamp Screw	Price
S08M NER/L2	.500	6	.437	.730		CM-147	CM-146	6-32	**$129.00**
S10Q NER/L2	.625	7	.500	1.000	NG 2L/2R	CM-75	CM-74	6-32	**$121.00**
S12Q NER/L2	.750	7	.562	1.120		CM-75	CM-74	6-32	**$124.00**
S16R NER/L3	1.000	8	.688	1.180	NG 3L/3R	CM-73	CM-72	10-32	**$165.00**

Also available in: Carbide pg: 58 | Modular pg: 78 | Chatter-Free pg: 97

See pg 163 **for our *NEW***

Top Notch Grooving Inserts

MADE IN USA

Prices are subject to change without notice.

Steel Boring Bar Kits — Coolant Thru

Order No.: PDBK-356

(1) A06K SCLCR2 (3/8" Bar)
(1) A08M SCLCR2 (1/2" Bar)
(1) A10Q SCLCR2 (5/8" Bar)
(5) CCMT 21.51 UD51

$204.40

Order No.: PDBK-671

(1) A10Q SCLCR3 (5/8" Bar)
(1) A12Q SCLCR3 (3/4" Bar)
(1) A16R SCLCR3 (1" Bar)
(5) CCMT 32.51 UD51

$267.40

Mini-Steel Boring Bar Kits — No Coolant

Order No.: PDBK-MINI

(1) S03G SCLDR1.2
(1) S03.5G SCLDR1.5
(1) S04G SCLDR1.5
(1) S05G SCLPR1.8

(2) CDHB 1.20.60 UD51
(2) CDGW 1.510 UD51
(2) CPMT 1.81.20.5 UD51

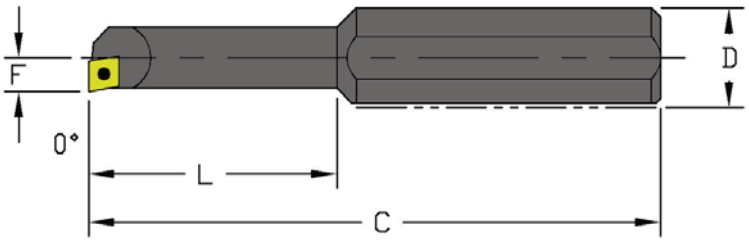
Right Hand Bar	D Dia.	C OAL	F	Min. Bore
S03G SCLDR1.2*	.187	3.5	.102	.205
S03.5G SCLDR1.5*	.218	3.5	.125	.245
S04G SCLDR1.5*	.250	3.5	.138	.275
S05G SCLPR1.8*	.312	3.5	.167	.340

* bars .312 and smaller do not have flats

Hardware pg: 164
Inserts pg: 154

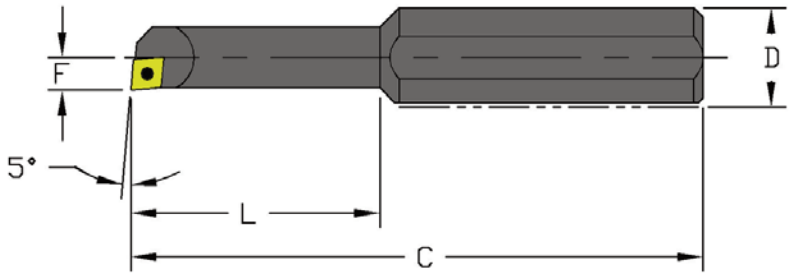
ULTRA-DEX USA

REDUCED NECK
BORING BARS



Positive 80° Diamond (0° Lead) Reduced Neck — No Coolant

Designation	D Dia.	C OAL	L Neck Length	F	Min Bore	Insert	Insert Screw	Key	Price
SCFDR2-5	.625	4	.500	.138	.276	CDGW 1.510	MTS-184	T-6	**$76.00**
SCFDR2-15	.625	4	1.000	.138	.276		MTS-184	T-6	**$76.00**
SCFDR2-25	.625	4	.750	.167	.334		MTS-184	T-6	**$76.00**
SCFDR2-35	.625	4	1.250	.167	.334		MTS-184	T-6	**$76.00**
SCFDR2-45	.625	4	1.000	.203	.450		MTS-184	T-6	**$76.00**
SCFDR2-55	.625	4	1.500	.203	.450		MTS-184	T-6	**$76.00**

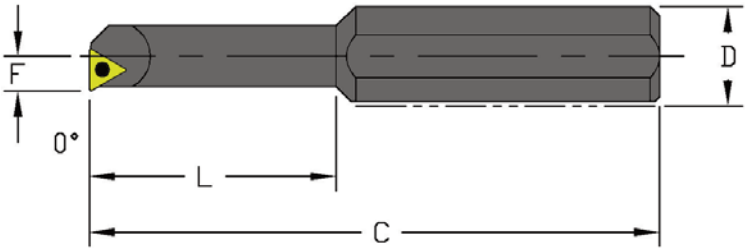


Positive 80° Diamond (-5° Lead) Reduced Neck — No Coolant

Designation	D Dia.	C OAL	L Neck Length	F	Min Bore	Insert	Insert Screw	Key	Price
SCLDR2-5	.625	4	.500	.138	.276	CDGW 1.510	MTS-184	T-6	**$76.00**
SCLDR2-15	.625	4	1.000	.138	.276		MTS-184	T-6	**$76.00**
SCLDR2-25	.625	4	.750	.167	.334		MTS-184	T-6	**$76.00**
SCLDR2-35	.625	4	1.250	.167	.334		MTS-184	T-6	**$76.00**
SCLDR2-45	.625	4	1.000	.203	.450		MTS-184	T-6	**$76.00**
SCLDR2-55	.625	4	1.500	.203	.450		MTS-184	T-6	**$76.00**

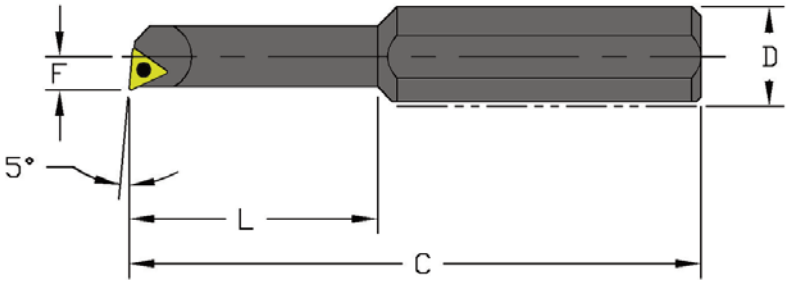
Prices are subject to change without notice.

MICHIGAN MANUFACTURED



Positive Triangle (0° Lead) Reduced Neck — No Coolant

Designation	D Dia.	C OAL	L Neck Length	F	Min Bore	Insert	Insert Screw	Key	Price
STFCR2-5	.625	4	.500	.138	.276	TCMT 1.21.20.5	MTS-184	T-6	**$76.00**
STFCR2-15	.625	4	1.000	.138	.276		MTS-184	T-6	**$76.00**
STFCR2-25	.625	4	.750	.167	.334		MTS-184	T-6	**$76.00**
STFCR2-35	.625	4	1.250	.167	.334		MTS-184	T-6	**$76.00**
STFCR2-45	.625	4	1.000	.203	.450		MTS-184	T-6	**$76.00**
STFCR2-55	.625	4	1.500	.203	.450		MTS-184	T-6	**$76.00**

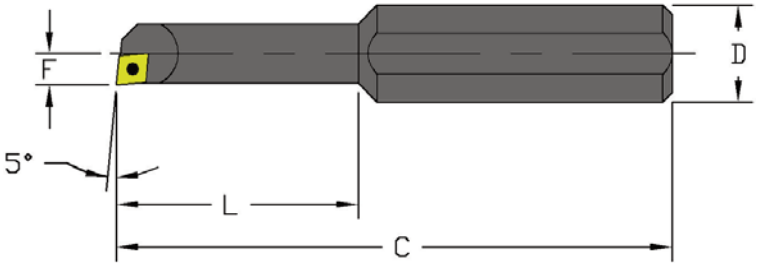


Positive Triangle (-5° Lead) Reduced Neck — No Coolant

Designation	D Dia.	C OAL	L Neck Length	F	Min Bore	Insert	Insert Screw	Key	Price
STLCR2-5	.625	4	.500	.138	.276	TCMT 1.21.20.5	MTS-184	T-6	**$76.00**
STLCR2-15	.625	4	1.000	.138	.276		MTS-184	T-6	**$76.00**
STLCR2-25	.625	4	.750	.167	.334		MTS-184	T-6	**$76.00**
STLCR2-35	.625	4	1.250	.167	.334		MTS-184	T-6	**$76.00**
STLCR2-45	.625	4	1.000	.203	.450		MTS-184	T-6	**$76.00**
STLCR2-55	.625	4	1.500	.203	.450		MTS-184	T-6	**$76.00**

Hardware pg: 164
Inserts pg: 154

SERIES "C"



New!

Positive 80° Diamond (-5° Lead) Reduced Neck — Coolant Thru

Designation	D Dia.	Head Dia.	C OAL	L Neck Length	F	Min Bore	Insert	Insert Screw	Key	Price
CSUD-180/375-1/2-5R	.375	.180	2.5	.500	.104	.208	CDHB 1.20.60	MTS-183	T-6	**$104.00**
CSUD-180/375-1-5R	.375	.180	2.5	1.000	.104	.208		MTS-183	T-6	**$104.00**
CSUD-203/375-1/2-5R	.375	.203	2.5	.500	.116	.230		MTS-183	T-6	**$104.00**
CSUD-203/375-1-5R	.375	.203	2.5	1.000	.116	.230		MTS-183	T-6	**$104.00**
CSUD-250/375-1 1/4-5R	.375	.250	2.5	1.250	.145	.285		MTS-183	T-6	**$101.00**
CSUD-180/500-1/2-5R	.500	.180	2.75	.500	.104	.208		MTS-183	T-6	**$108.00**
CSUD-180/500-1-5R	.500	.180	2.75	1.000	.104	.208		MTS-183	T-6	**$108.00**
CSUD-203/500-1/2-5R	.500	.203	2.75	.500	.116	.230		MTS-183	T-6	**$113.00**
CSUD-203/500-1-5R	.500	.203	2.75	1.000	.116	.230		MTS-183	T-6	**$108.00**
CSUD-250/500-3/4-5R	.500	.250	2.75	.750	.145	.285		MTS-184	T-6	**$108.00**
CSUD-250/500-1 1/4-5R	.500	.250	2.75	1.250	.145	.285		MTS-184	T-6	**$108.00**

Also available in: Carbide pg: 59

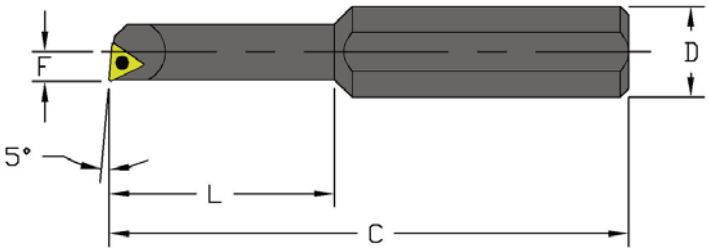
MADE IN USA

More! **NEW** *Series Style* Boring Bars

...pgs **21, 23, 39, 47, 48, 51, 59**

Prices are subject to change without notice.

SERIES "F, Q"



New!

Positive Triangle (-5° Lead) Reduced Neck — Coolant Thru

Designation	D Dia.	Head Dia.	C OAL	L Neck Length	F	Min Bore	Insert	Insert Screw	Key	Price
FSUD-203/500-1/2-5R	.500	.203	3	.500	.126	.275	TDAB 505	MTS-224	T-7	$99.00
FSUD-203/500-1-5R	.500	.203	3	1.000	.126	.275		MTS-224	T-7	$107.00
FSUD-250/500-3/4-5R	.500	.259	3	.750	.156	.300		MTS-224	T-7	$104.00
FSUD-312/500-1-5R	.500	.321	3	1.000	.187	.360		MTS-224	T-7	$99.00
FSUD-312/500-1 1/2-5R	.500	.321	3	1.500	.187	.360		MTS-224	T-7	$107.00
FSUD-203/625-1/2-5R	.625	.203	4	.500	.126	.275		MTS-224	T-7	$114.00
FSUD-250/625-3/4-5R	.625	.259	4	.750	.156	.300		MTS-224	T-7	$104.00
FSUD-250/625-1 1/4-5R	.625	.259	4	1.250	.156	.300		MTS-224	T-7	$104.00
FSUD-312/625-1-5R	.625	.321	4	1.000	.187	.360		MTS-224	T-7	$104.00
QSUD-375/500-1 1/8-5R	.500	.390	3.75	1.125	.221	.438	TPCG 220.5	ETS 4-40	T-10	$99.00
QSUD-375/500-1 7/8-5R	.500	.390	3.75	1.875	.221	.438		ETS 4-40	T-10	$99.00
QSUD-375/625-1 1/8-5R	.625	.390	4.25	1.125	.221	.438		ETS 4-40	T-10	$108.00
QSUD-375/625-1 7/8-5R	.625	.390	4.25	1.875	.221	.438		ETS 4-40	T-10	$108.00
QSUD-375/750-1 1/2-5R	.750	.390	4	1.500	.221	.438		ETS 4-40	T-10	$116.00
QSUD-625/750-2 1/2-5R	.750	.635	4.5	2.500	.353	.688		ETS 4-40	T-10	$127.00

Also available in: Carbide pg: 59

Several HSK machine connection sizes available!

Starting on **pg 136**

HSK 40, 50, 63, 80, 100, 125

+ We do CUSTOM builds

for any other size and style

Hardware pg: 164
Inserts pg: 154

ULTRA-DEX USA

PULLBACK CLAMP
BORING BARS

B

BORING

- Increased Rigidity in Clamping
- Faster Insert Indexing

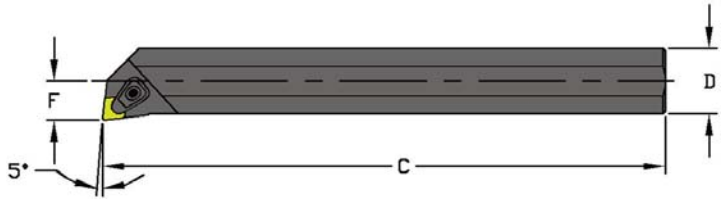
Unlike conventional "CL" Barrel clamp systems, which requires a lockpin and clamp for proper clamping; our new system only requires the PULLBACK clamp. This clamp is an all-in-one solution that naturally draws the insert back into the center of the pocket creating maximum rigidity and allowing faster indexing.

MICHIGAN MADE

Clamp Designations...

PB4 (4 I.C. Insert Clamp)

PB3 (3 I.C. Insert Clamp)



4:1 Ratio

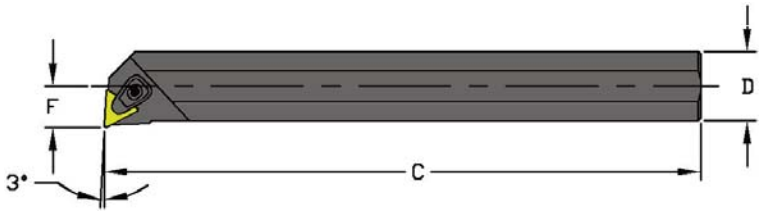
Steel Negative 80° Diamond (-5° Lead) — Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Shim Screw	Clamp Assy.	Price
A16S DCLNR4	1.000	10	.640	1.200	CNMG 432	--	--	PB4-CA	$239.00
A20U DCLNR4	1.250	14	.765	1.470		ICSN 433	PB4-SS	PB4-CA	$259.00
A24U DCLNR4	1.500	14	.890	1.730		ICSN 433	PB4-SS	PB4-CA	$339.00

Carbide Shank — Coolant Thru 8:1 Ratio

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Shim Screw	Clamp Assy.	Price
E16T DCLNR4	1.000	12	.640	1.200	CNMG 432	--	--	PB4-CA	$660.00
E20U DCLNR4	1.250	14	.765	1.470		ICSN 433	PB4-SS	PB4-CA	$1,207.00

Also available in: Modular pg: 79 Chatter-Free pg: 102

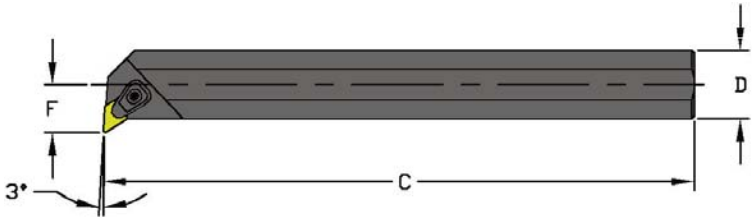


4:1 Ratio

Steel Negative Triangle (-3° Lead) — Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Shim Screw	Clamp Assy.	Price
A16S DTUNR4	1.000	10	.640	1.200	TNMG 432	--	--	PB4-CA	$239.00
A20U DTUNR4	1.250	14	.765	1.470		ITSN-433	PB4-SS	PB4-CA	$259.00
A24U DTUNR4	1.500	14	.890	1.730		ITSN-433	PB4-SS	PB4-CA	$339.00

Also available in: Modular pg: 79 Chatter-Free pg: 103



4:1 Ratio

Steel Negative 55° Diamond (-3° Lead) — Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Shim Screw	Clamp Assy.	Price
A20T DDUNR4	1.250	12	1.000	1.700	DNMG 432	IDSN 433	PB4-SS	PB4-CA	$279.00
A24U DDUNR4	1.500	14	1.125	1.965		IDSN 433	PB4-SS	PB4-CA	$359.00

Carbide Shank — Coolant Thru 8:1 Ratio

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Shim Screw	Clamp Assy.	Price
E20U DDUNR4	1.250	14	1.000	1.700	DNMG 432	IDSN 433	PB4-SS	PB4-CA	$1,207.00

Also available in: Modular pg: 79 Chatter-Free pg: 102

Hardware pg: 164
Inserts pg: 154

ULTRA-DEX USA

HYBRID
BORING BARS

B

BORING

Steel Reinforced with Carbide

30% More Rigid than Steel Bars

up to **35%** Less Cost than our Carbide Bars

5:1 Ratio

.625" - 1.5" Diameters

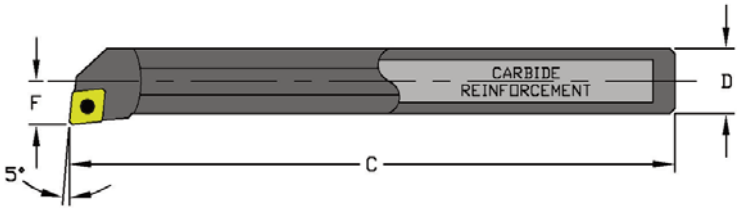
MADE IN MICHIGAN

THE BEST OF BOTH WORLDS

ECONOMICAL COST OF STEEL

+

HIGH RIGIDITY OF CARBIDE



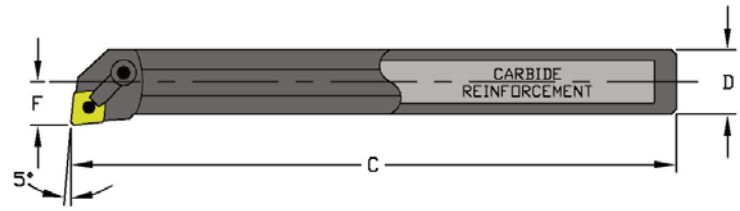
5:1 Ratio

Positive 80° Diamond (-5° Lead) Carbide Reinforced — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
R10Q SCLCR3	.625	7	.406	.770	CCMT 32.51	MTS-35	T-15	$195.00
R12S SCLCR3	.750	10	.500	.930		MTS-35	T-15	$239.00
R16T SCLCR3	1.000	12	.625	1.200		MTS-35	T-15	$352.00
R20U SCLCR4	1.250	14	.765	1.470	CCMT 432	MTS-4	T-20	$609.00
R24U SCLCR4	1.500	14	.890	1.760		MTS-4	T-20	$760.00

Steel pg: 19 | Carbide pg: 45 | Heavy Metal pg: 63 | Modular pg: 69 | Chatter-Free pg: 87,99

Please allow one week for processing and delivery.



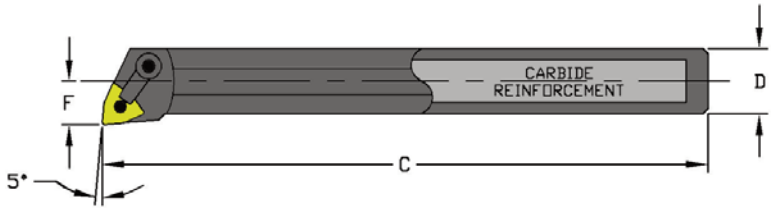
5:1 Ratio

Negative 80° Diamond (-5° Lead) Carbide Reinforced — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim Seat	Clamp	Clamp Screw	Lock Pin	Price
R12S MCLNR3	.750	10	.500	.963	CNMG 322	--	CL-7	XNS-36	NL-33	$265.00
R16T MCLNR3	1.000	12	.640	1.240		--	CL-7	XNS-36	NL-33	$369.00
R16T MCLNR4	1.000	12	.640	1.240	CNMG 432	--	CL-20	XNS-47	NL-44	$369.00
R20U MCLNR4	1.250	14	.765	1.470		ICSN-433	CL-20	XNS-47	NL-46	$616.00
R24U MCLNR4	1.500	14	.890	1.760		ICSN-433	CL-20	XNS-47	NL-46	$777.00

Also available in: Steel pg: 30 | Carbide pg: 57 | Modular pg: 73 | Chatter-Free pg: 90

Please allow one week for processing and delivery.



5:1 Ratio

Negative Trigon (-5° Lead) Carbide Reinforced — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim Seat	Clamp	Clamp Screw	Lock Pin	Price
R12S MWLNR3	.750	10	.500	.963	WNMG 332	--	CL-7	XNS-36	NL-33L	$265.00
R16T MWLNR3	1.000	12	.640	1.240		--	CL-7	XNS-36	NL-33L	$369.00
R16T MWLNR4	1.000	12	.640	1.240	WNMG 432	--	CL-20	XNS-47	NL-44	$369.00
R20U MWLNR4	1.250	14	.765	1.470		IWSN-433	CL-20	XNS-47	NL-46	$616.00
R24U MWLNR4	1.500	14	.890	1.760		IWSN-433	CL-20	XNS-47	NL-46	$777.00

Also available in: Steel pg: 31 | Carbide pg: 57 | Modular pg: 74 | Chatter-Free pg: 92

Please allow one week for processing and delivery.

Hardware pg: 164
Inserts pg: 154

! USE THE RIGHT SET SCREW
FLAT POINT, NOT CUP POINT !

ULTRA-DEX USA

CARBIDE
BORING BARS

B

BORING

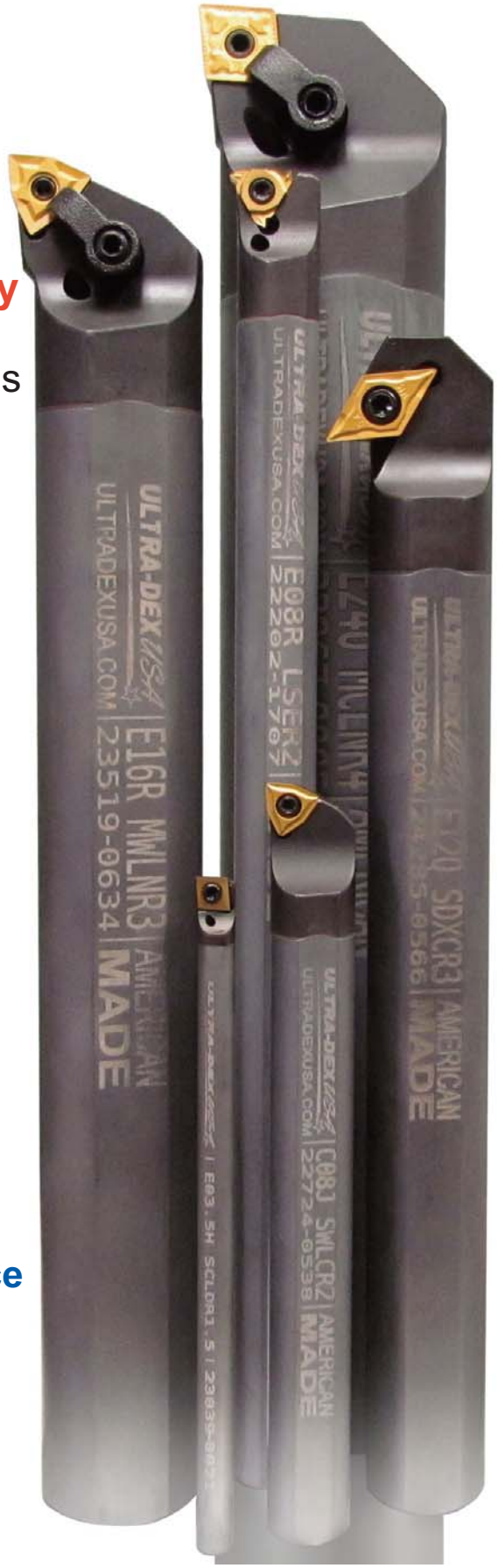
MAXIMUM Rigidity / Efficiency

For use in **TOUGHER** applications

MICHIGAN MADE

8:1 Ratio

.156" - 1.5" Diameters



Other Pages of Interest

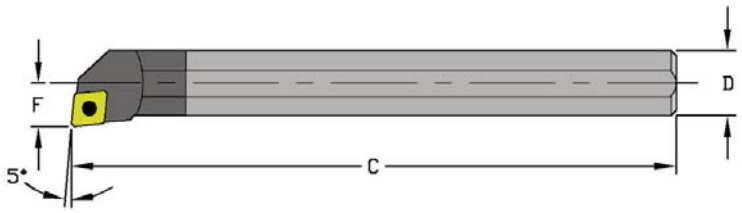
pg59 **Reduced Neck**

pg60 **Solid Small Boring**

pg61 **Cut-off / Extra Flat Service**

pg61 **Steel Coolant Adapter**

Carbide Boring Bars (Positive)



NEW F-DIMENSION SIZES!

8:1 Ratio

Positive 80° Diamond (-5° Lead)

No Coolant

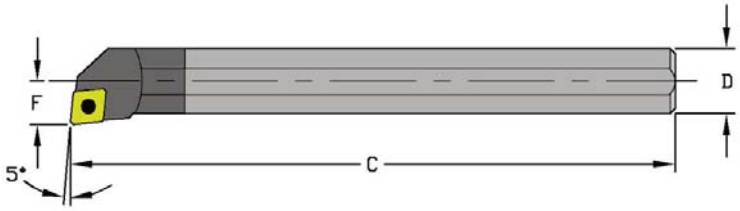
Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
C02.5G SCLDR/L1.2*	.156	3.5	.090	.175	CDHB 1.20.60	MTS-182	T-6	**$130.00**
C03H SCLDR/L1.2*	.187	4	.102	.205		MTS-183	T-6	**$130.00**
C03.5H SCLDR/L1.5*	.218	4	.125	.245	CDGW 1.510	MTS-184	T-6	**$130.00**
C04H SCLDR/L1.5*	.250	4	.138	.275		MTS-184	T-6	**$130.00**
C04H SCLDR/L1.5-172*	.250	4	.172	.312		MTS-184	T-6	**$130.00**
C05K SCLPR/L1.8*	.312	5	.167	.340	CPMT 1.81.20.5	MTS-224	T-7	**$130.00**
C05K SCLPR/L1.8-219*	.312	5	.219	.395		MTS-224	T-7	**$130.00**
C06M SCLPR/L2	.375	6	.203	.410	CPMT 21.51	MTS-255	T-7	**$149.00**
C06M SCLPR/L2-250	.375	6	.250	.460		MTS-255	T-7	**$149.00**
C08J SCLPR/L2	.500	4.5	.281	.560		MTS-255	T-7	**$168.00**
C08J SCLPR/L2-312	.500	4.5	.312	.600		MTS-255	T-7	**$168.00**
C08R SCLPR/L2	.500	8	.281	.560		MTS-255	T-7	**$193.00**
C08R SCLPR/L2-312	.500	8	.312	.600		MTS-255	T-7	**$193.00**
C08J SCLPR/L3	.500	4.5	.344	.625	CPMT 32.51	MTS-35	T-15	**$168.00**
C08R SCLPR/L3	.500	8	.344	.625		MTS-35	T-15	**$193.00**
C06M SCLCR/L2	.375	6	.203	.410	CCMT 21.51	MTS-255	T-7	**$149.00**
C06M SCLCR/L2-250	.375	6	.250	.460		MTS-255	T-7	**$149.00**
C08J SCLCR/L2	.500	4.5	.281	.560		MTS-255	T-7	**$168.00**
C08J SCLCR/L2-312	.500	4.5	.312	.600		MTS-255	T-7	**$168.00**
C08R SCLCR/L2	.500	8	.281	.560		MTS-255	T-7	**$193.00**
C08R SCLCR/L2-312	.500	8	.312	.600		MTS-255	T-7	**$193.00**
C08J SCLCR/L3	.500	4.5	.344	.625	CCMT 32.51	MTS-35	T-15	**$168.00**
C08R SCLCR/L3	.500	8	.344	.625		MTS-35	T-15	**$193.00**

Also available in: Steel pg: 19 | Hybrid pg: 43 | Heavy Metal pg: 63

*bars .312 and smaller do not have flats

! USE THE RIGHT SET SCREW FLAT POINT, NOT CUP POINT !

MADE IN USA



NEW F-DIMENSION SIZES!

8:1 Ratio

B

BORING

Positive 80° Diamond (-5° Lead)

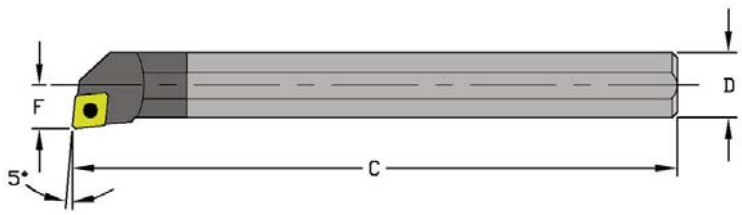
Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
E02.5G SCLDR/L1.2*	.156	3.5	.090	.175	CDHB 1.20.60	MTS-182	T-6	**$146.00**
E03H SCLDR/L1.2*	.187	4	.102	.205		MTS-183	T-6	**$146.00**
E03.5H SCLDR/L1.5*	.218	4	.125	.245	CDGW 1.510	MTS-184	T-6	**$146.00**
E04H SCLDR/L1.5*	.250	4	.138	.270		MTS-184	T-6	**$146.00**
E04H SCLDR/L1.5-172*	.250	4	.172	.312		MTS-184	T-6	**$146.00**
E05K SCLPR/L1.8*	.312	5	.167	.340	CPMT 1.81.20.5	MTS 224	T-7	**$146.00**
E05K SCLPR/L1.8-219*	.312	5	.219	.395		MTS 224	T-7	**$146.00**
E06M SCLPR/L2	.375	6	.203	.410	CPMT 21.51	MTS-255	T-7	**$164.00**
E06M SCLPR/L2-250	.375	6	.250	.460		MTS-255	T-7	**$164.00**
E08J SCLPR/L2	.500	4.5	.281	.560		MTS-255	T-7	**$184.00**
E08J SCLPR/L2-312	.500	4.5	.312	.600		MTS-255	T-7	**$184.00**
E08R SCLPR/L2	.500	8	.281	.560		MTS-255	T-7	**$208.00**
E08R SCLPR/L2-312	.500	8	.312	.600		MTS-255	T-7	**$208.00**
E10Q SCLPR/L2	.625	7	.406	.770		MTS-255	T-7	**$259.00**
E10S SCLPR/L2	.625	10	.406	.770		MTS-255	T-7	**$315.00**
E08J SCLPR/L3	.500	4.5	.344	.560	CPMT 32.51	MTS-35	T-15	**$184.00**
E08R SCLPR/L3	.500	8	.344	.560		MTS-35	T-15	**$208.00**
E10Q SCLPR/L3	.625	7	.406	.760		MTS-35	T-15	**$259.00**
E10S SCLPR/L3	.625	10	.406	.760		MTS-35	T-15	**$315.00**
E12Q SCLPR/L3	.750	7	.500	.920		MTS-35	T-15	**$325.00**
E12S SCLPR/L3	.750	10	.500	.920		MTS-35	T-15	**$376.00**
E16R SCLPR/L3	1.000	8	.625	1.185		MTS-35	T-15	**$481.00**
E16T SCLPR/L3	1.000	12	.625	1.185		MTS-35	T-15	**$612.00**

* bars .312 and smaller do not have flats

Prices are subject to change without notice.

Carbide Boring Bars (Positive)



NEW F-DIMENSION SIZES!

8:1 Ratio

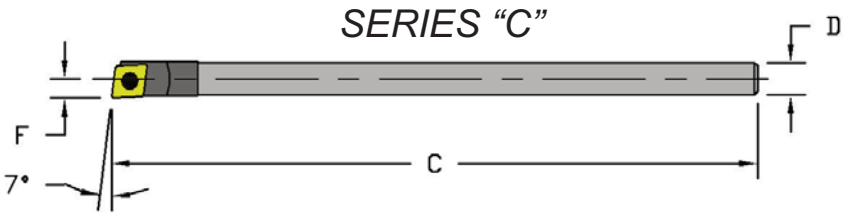
Positive 80° Diamond (-5° Lead)

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
E06M SCLCR/L2	.375	6	.203	.410	CCMT 21.51	MTS-255	T-7	**$164.00**
E06M SCLCR/L2-250	.375	6	.250	.460		MTS-255	T-7	**$164.00**
E08J SCLCR/L2	.500	4.5	.281	.560		MTS-255	T-7	**$184.00**
E08J SCLCR/L2-312	.500	4.5	.312	.600		MTS-255	T-7	**$184.00**
E08R SCLCR/L2	.500	8	.281	.560		MTS-255	T-7	**$208.00**
E08R SCLCR/L2-312	.500	8	.312	.600		MTS-255	T-7	**$208.00**
E10Q SCLCR/L2	.625	7	.406	.760		MTS-255	T-7	**$259.00**
E10S SCLCR/L2	.625	10	.406	.760		MTS-255	T-7	**$315.00**
E08J SCLCR/L3	.500	4.5	.344	.625	CCMT 32.51	MTS-35	T-15	**$184.00**
E08R SCLCR/L3	.500	8	.344	.625		MTS-35	T-15	**$208.00**
E10Q SCLCR/L3	.625	7	.406	.760		MTS-35	T-15	**$259.00**
E10S SCLCR/L3	.625	10	.406	.760		MTS-35	T-15	**$315.00**
E12Q SCLCR/L3	.750	7	.500	.920		MTS-35	T-15	**$325.00**
E12S SCLCR/L3	.750	10	.500	.920		MTS-35	T-15	**$376.00**
E16R SCLCR/L3	1.000	8	.625	1.185		MTS-35	T-15	**$481.00**
E16T SCLCR/L3	1.000	12	.625	1.185		MTS-35	T-15	**$612.00**
E20U SCLCR/L4	1.250	14	.765	1.465	CCMT 432	MTS-4	T-20	**$1,143.00**
E24U SCLCR/L4	1.500	14	.890	1.730		MTS-4	T-20	**$1,380.00**

Also available in: Steel pg: 20 | Heavy Metal pg: 63 | Modular pg: 69 | Chatter-Free pg: 87,99

SERIES "C"



New!

8:1 Ratio

Positive 80° Diamond (-7° Lead)

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
CCUD-165/156-6-7R*	.156	6	.095	.180	CDHB 1.20.60	MTS-183	T-6	**$185.00**

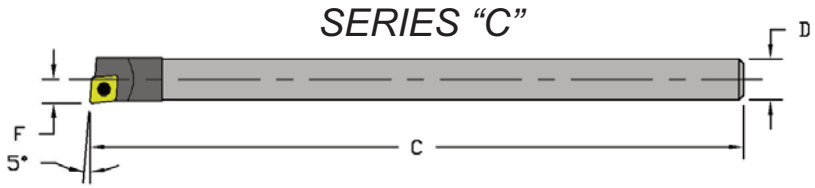
Also available in: Steel pg: 21

*bars do not have flats

Hardware pg: 164
Inserts pg: 154

! USE THE RIGHT SET SCREW FLAT POINT, NOT CUP POINT !

SERIES "C"



New!

8:1 Ratio

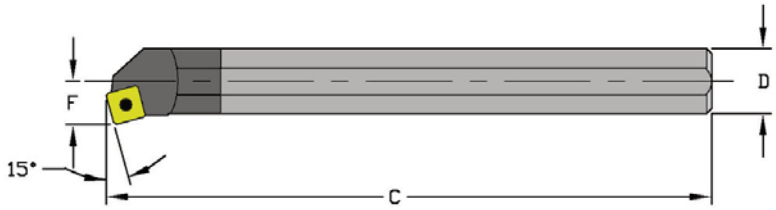
Positive 80° Diamond (-5° Lead)

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
CCUD-180/187-4-5R*	.187	4	.104	.208	CDHB 1.20.60	MTS-183	T-6	$174.00
CCUD-180/187-6-5R*	.187	6	.104	.208		MTS-183	T-6	$185.00
CCUD-187-4-5R*	.187	4	.111	.222		MTS-183	T-6	$174.00
CCUD-187-6-5R*	.187	6	.111	.222		MTS-183	T-6	$185.00
CCUD-250-4-5R*	.250	4	.145	.285		MTS-184	T-6	$174.00
CCUD-250-6-5R*	.250	6	.145	.285		MTS-184	T-6	$185.00

Also available in: Steel pg: 21

*bars do not have flats



8:1 Ratio

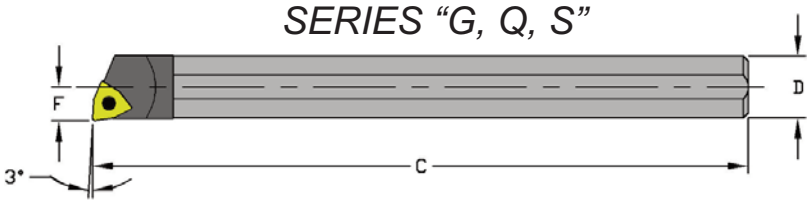
Positive Square (15° Lead)

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
E08R SSKCR3	.500	8	.344	.625	SCMT 32.51	MTS-35	T-15	$208.00
E10S SSKCR3	.625	10	.406	.760		MTS-35	T-15	$315.00

Also available in: Steel pg: 21 | Modular pg: 70

SERIES "G, Q, S"



New!

8:1 Ratio

Positive Trigon (-3° Lead)

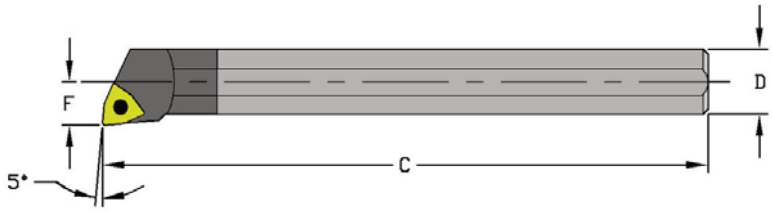
Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
GCUDW-187-4-3R/L	.187	6	.126	.260	WPGT 61	MTS-184	T-6	$174.00
GCUDW-250-4-3R/L	.250	6	.143	.285		MTS-184	T-6	$174.00
GCUDW-312-4-3R/L	.312	6	.174	.374		MTS-184	T-6	$174.00
QCUDW-375-6-3R/L	.375	6	.211	.415	WPGT 220.2	MTS-255	T-7	$197.00
QCUDW-500-8-3R/L	.500	8	.273	.540		MTS-255	T-7	$254.00
SCUDW-625-10-3R	.625	10	.345	.675	WPMT 32.51	MTS-35	T-15	$441.00
SCUDW-750-10-3R	.750	10	.407	.800		MTS-35	T-15	$480.00

Also available in: Steel pg: 23

Prices are subject to change without notice.

Carbide Boring Bars (Positive)



8:1 Ratio

Positive Trigon (-5° Lead) — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
C03H SWLCR1.2*	.187	4	.102	.205	WCMT 1.210.5	MTS-183	T-6	$142.00
C04H SWLCR1.2*	.250	4	.138	.275		MTS-184	T-6	$142.00
C05K SWLCR1.5*	.312	5	.167	.345	WCMT 1.51.50.5	MTS-2	T-6	$142.00
C06M SWLCR/L2	.375	6	.203	.400	WCMT 21.51	MTS-255	T-7	$149.00
C08J SWLCR/L2	.500	4.5	.281	.560		MTS-255	T-7	$168.00
C08R SWLCR/L2	.500	8	.281	.560		MTS-255	T-7	$193.00

Also available in: Steel pg: 8 | Heavy Metal pg: 38

Positive Trigon (-5° Lead) — Coolant Thru

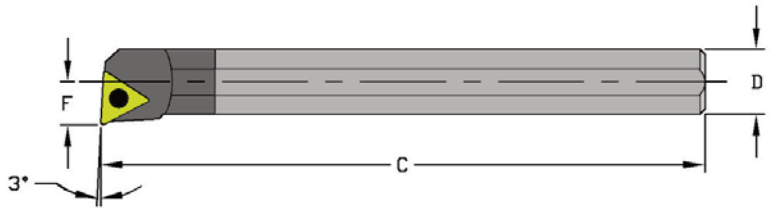
Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
E03H SWLCR1.2*	.187	4	.102	.205	WCMT 1.210.5	MTS-183	T-6	$156.00
E04H SWLCR1.2*	.250	4	.138	.275		MTS-184	T-6	$156.00
E05K SWLCR1.5*	.312	5	.167	.345	WCMT 1.51.50.5	MTS-2	T-6	$156.00
E06M SWLCR/L2	.375	6	.203	.410	WCMT 21.51	MTS-255	T-7	$164.00
E08J SWLCR/L2	.500	4.5	.281	.560		MTS-255	T-7	$184.00
E08R SWLCR/L2	.500	8	.281	.560		MTS-255	T-7	$208.00
E10Q SWLCR/L2	.625	7	.406	.760		MTS-255	T-7	$259.00
E10S SWLCR/L2	.625	10	.406	.760		MTS-255	T-7	$315.00
E10Q SWLCR/L3	.625	7	.406	.760	WCMT 32.51	MTS-35	T-15	$259.00
E10S SWLCR/L3	.625	10	.406	.760		MTS-35	T-15	$315.00
E12Q SWLCR/L3	.750	7	.500	.920		MTS-35	T-15	$325.00
E12S SWLCR/L3	.750	10	.500	.920		MTS-35	T-15	$376.00
E16R SWLCR/L3	1.000	8	.625	1.185		MTS-35	T-15	$481.00
E16T SWLCR/L3	1.000	12	.625	1.185		MTS-35	T-15	$612.00

Also available in: Steel pg: 22 | Heavy Metal pg: 64 | Modular pg: 70

* bars .312 and smaller do not have flats

Carbide Boring Bars (Positive)

! USE THE RIGHT SET SCREW FLAT POINT, NOT CUP POINT !



NEW F-DIMENSION SIZES!

8:1 Ratio

Positive Triangle (-3° Lead)

No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
C04H STUCR/L1.2*	.250	4	.138	.275	TCMT 1.21.20.5	MTS-184	T-6	**$130.00**
C04H STUCR/L1.2-172*	.250	4	.172	.312		MTS-184	T-6	**$130.00**
C05K STUCR/L1.2*	.312	5	.167	.340		MTS-184	T-6	**$130.00**
C05K STUCR/L1.2-219*	.312	5	.219	.395		MTS-184	T-6	**$130.00**
C06M STUCR/L1.2	.375	6	.203	.410		MTS-184	T-6	**$155.00**
C06M STUCR/L2	.375	6	.203	.410	TCMT 21.51	MTS-255	T-7	**$155.00**
C06M STUCR/L2-250	.375	6	.250	.460		MTS-255	T-7	**$155.00**
C08J STUCR/L2	.500	4.5	.281	.560		MTS-255	T-7	**$168.00**
C08J STUCR/L2-312	.500	4.5	.312	.600		MTS-255	T-7	**$168.00**
C08R STUCR/L2	.500	8	.281	.570		MTS-255	T-7	**$193.00**
C08R STUCR/L2-312	.500	8	.312	.600		MTS-255	T-7	**$193.00**
C06M STUPR/L2	.375	6	.203	.410	TPMT 21.51	MTS-255	T-7	**$155.00**
C06M STUPR/L2-250	.375	6	.250	.460		MTS-255	T-7	**$155.00**
C08J STUPR/L2	.500	4.5	.281	.560		MTS-255	T-7	**$168.00**
C08J STUPR/L2-312	.500	4.5	.312	.600		MTS-255	T-7	**$168.00**
C08R STUPR/L2	.500	8	.281	.560		MTS-255	T-7	**$193.00**
C08R STUPR/L2-312	.500	8	.312	.600		MTS-255	T-7	**$193.00**

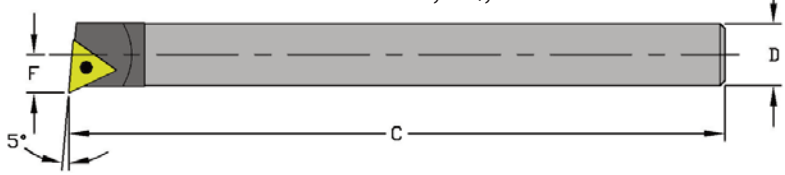
Also available in: Steel pg: 24 | Heavy Metal pg: 65

*bars .312 and smaller do not have flats

MADE IN USA

Prices are subject to change without notice.

SERIES "F, Q, S"



New!

8:1 Ratio

Positive Triangle (-5° Lead)

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
FCUD-187-4-5R*	.187	4	.126	.275	TDAB 505	MTS-224	T-7	**$162.00**
FCUD-187-6-5R*	.187	6	.126	.275		MTS-224	T-7	**$189.00**
FCUD-250-4-5R*	.250	4	.156	.300		MTS-224	T-7	**$162.00**
FCUD-250-6-5R*	.250	6	.156	.300		MTS-224	T-7	**$174.00**
FCUD-312-4-5R*	.312	4	.187	.360		MTS-224	T-7	**$162.00**
FCUD-312-6-5R*	.312	6	.187	.360		MTS-224	T-7	**$174.00**
QCUD-375-6-5R	.375	6	.228	.438	TPCG 2205	ETS 4-40	T-10	**$197.00**
QCUD-375-10-5R	.375	10	.228	.438		ETS 4-40	T-10	**$216.00**
QCUD-500-8-5R	.500	8	.296	.563		ETS 4-40	T-10	**$254.00**
SCUD-625-6-5R	.625	6	.393	.731	TD 6P 05	ETS 4-40	T-10	**$254.00**
SCUD-625-10-5R	.625	10	.393	.731		ETS 4-40	T-10	**$441.00**
SCUD-750-10-5R	.750	10	.460	.855		ETS 4-40	T-10	**$383.00**
SCUD-1000-12-5R	1.000	12	.585	1.105		ETS 4-40	T-10	**$540.00**

Also available in: Steel pg: 23

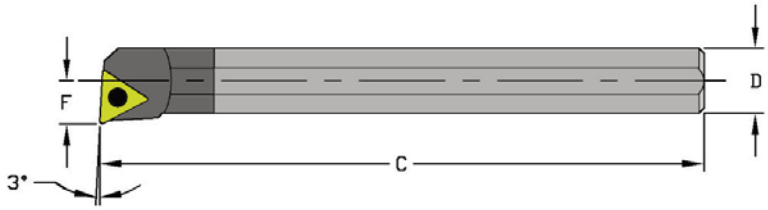
* bars .312 and smaller do not have flats

Need even MORE reach? With NO chatter?

Try our **CHATTER-FREE Boring Bars** with internal dampening technology, tuneable with the adjust of a dial.

Available in
Standard + Serrated
Connections
SEE PAGE
 # 80

! USE THE RIGHT SET SCREW FLAT POINT, NOT CUP POINT !



NEW F-DIMENSION SIZES!

8:1 Ratio

Positive Triangle (-3° Lead)

Coolant Thru

B

BORING

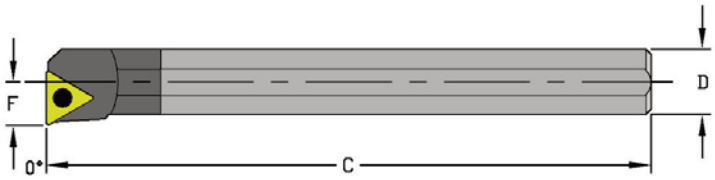
Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
E04H STUCR/L1.2*	.250	4	.138	.275	TCMT 1.21.20.5	MTS-184	T-6	$146.00
E04H STUCR/L1.2-172*	.250	4	.172	.312		MTS-184	T-6	$146.00
E05K STUCR/L1.2*	.312	5	.167	.340		MTS-184	T-6	$146.00
E05K STUCR/L1.2-219*	.312	5	.219	.395		MTS-184	T-6	$146.00
E06M STUCR/L1.2	.375	6	.203	.410		MTS-184	T-6	$164.00
E06M STUCR/L2	.375	6	.203	.410	TCMT 21.51	MTS-255	T-7	$164.00
E06M STUCR/L2-250	.375	6	.250	.460		MTS-255	T-7	$164.00
E08J STUCR/L2	.500	4.5	.281	.560		MTS-255	T-7	$184.00
E08J STUCR/L2-312	.500	4.5	.312	.600		MTS-255	T-7	$184.00
E08R STUCR/L2	.500	8	.281	.560		MTS-255	T-7	$208.00
E08R STUCR/L2-312	.500	8	.312	.600		MTS-255	T-7	$208.00
E10Q STUCR/L2	.625	7	.406	.760		MTS-255	T-7	$259.00
E10S STUCR/L2	.625	10	.406	.760		MTS-255	T-7	$315.00
E12Q STUCR/L3	.750	7	.500	.920	TCMT 32.51	MTS-35	T-15	$325.00
E12S STUCR/L3	.750	10	.500	.920		MTS-35	T-15	$376.00
E16R STUCR/L3	1.000	8	.625	1.185		MTS-35	T-15	$481.00
E16T STUCR/L3	1.000	12	.625	1.185		MTS-35	T-15	$612.00
E06M STUPR/L2	.375	6	.203	.410	TPMT 21.51	MTS-255	T-7	$164.00
E06M STUPR/L2-250	.375	6	.250	.460		MTS-255	T-7	$164.00
E08J STUPR/L2	.500	4.5	.281	.560		MTS-255	T-7	$184.00
E08J STUPR/L2-312	.500	4.5	.312	.600		MTS-255	T-7	$184.00
E08R STUPR/L2	.500	8	.281	.560		MTS-255	T-7	$208.00
E08R STUPR/L2-312	.500	8	.312	.600		MTS-255	T-7	$208.00
E10Q STUPR/L2	.625	7	.406	.760		MTS-255	T-7	$259.00
E10S STUPR/L2	.625	10	.406	.760		MTS-255	T-7	$315.00
E12Q STUPR/L3	.750	7	.500	.920	TPMT 32.51	MTS-35	T-15	$325.00
E12S STUPR/L3	.750	10	.500	.920		MTS-35	T-15	$376.00
E16R STUPR/L3	1.000	8	.625	1.185		MTS-35	T-15	$481.00
E16T STUPR/L3	1.000	12	.625	1.185		MTS-35	T-15	$612.00

Also available in: Steel pg: 25 | Heavy Metal pg: 65 | Modular pg: 70 | Chatter-Free pg: 88

* bars .312 and smaller do not have flats

Prices are subject to change without notice.

Carbide Boring Bars (Positive)



MADE IN USA

8:1 Ratio

Positive Triangle (0° Lead) — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
C06M STFPR2	.375	6	.203	.410	TPMT 21.51	MTS-255	T-7	**$149.00**
C08J STFPR2	.500	4.5	.281	.560		MTS-255	T-7	**$168.00**
C08R STFPR2	.500	8	.281	.560		MTS-255	T-7	**$193.00**
C06M STFCR2	.375	6	.203	.410	TCMT 21.51	MTS-255	T-7	**$149.00**
C08J STFCR2	.500	4.5	.281	.560		MTS-255	T-7	**$168.00**
C08R STFCR2	.500	8	.281	.560		MTS-255	T-7	**$193.00**

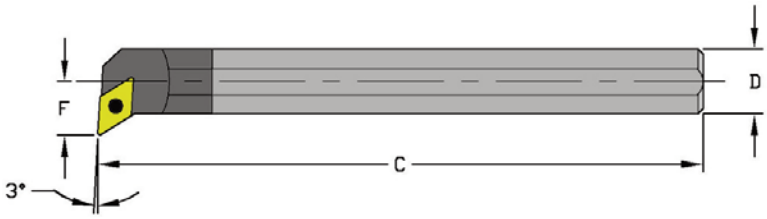
Also available in: Steel pg: 26

Positive Triangle (0° Lead) — Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
E06M STFPR2	.375	6	.203	.410	TPMT 21.51	MTS-255	T-7	**$164.00**
E08J STFPR2	.500	4.5	.281	.560		MTS-255	T-7	**$184.00**
E08R STFPR2	.500	8	.281	.560		MTS-255	T-7	**$208.00**
E10Q STFPR2	.625	7	.406	.760		MTS-255	T-7	**$259.00**
E10S STFPR2	.625	10	.406	.760		MTS-255	T-7	**$315.00**
E12Q STFPR3	.750	7	.500	.920	TPMT 32.51	MTS-35	T-15	**$325.00**
E12S STFPR3	.750	10	.500	.920		MTS-35	T-15	**$376.00**
E16R STFPR3	1.000	8	.625	1.185		MTS-35	T-15	**$481.00**
E16T STFPR3	1.000	12	.625	1.185		MTS-35	T-15	**$612.00**
E06M STFCR2	.375	6	.203	.410	TCMT 21.51	MTS-255	T-7	**$164.00**
E08J STFCR2	.500	4.5	.281	.560		MTS-255	T-7	**$184.00**
E08R STFCR2	.500	8	.281	.560		MTS-255	T-7	**$208.00**
E10Q STFCR2	.625	7	.406	.760		MTS-255	T-7	**$259.00**
E10S STFCR2	.625	10	.406	.760		MTS-255	T-7	**$315.00**
E12Q STFCR3	.750	7	.500	.920	TCMT 32.51	MTS-35	T-15	**$325.00**
E12S STFCR3	.750	10	.500	.920		MTS-35	T-15	**$376.00**
E16R STFCR3	1.000	8	.625	1.185		MTS-35	T-15	**$481.00**
E16T STFCR3	1.000	12	.625	1.185		MTS-35	T-15	**$612.00**

Also available in: Steel pg: 26

! USE THE RIGHT SET SCREW FLAT POINT, NOT CUP POINT !



8:1 Ratio

Positive 55° Diamond (-3° Lead) Profiling — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
C06M SDUCR/L2	.375	6	.375	.585	DCMT 21.51	MTS-255	T-7	$156.00
C08J SDUCR/L2	.500	4.5	.437	.720		MTS-255	T-7	$182.00
C08R SDUCR/L2	.500	8	.437	.720		MTS-255	T-7	$207.00

Also available in: Steel pg: 27

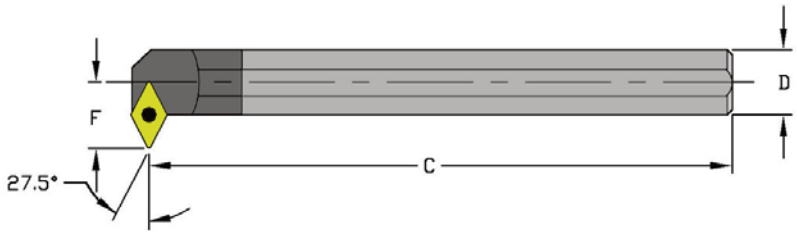
Positive 55° Diamond (-3° Lead) Profiling — Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
E06M SDUCR/L2	.375	6	.375	.585	DCMT 21.51	MTS-255	T-7	$172.00
E08J SDUCR/L2	.500	4.5	.437	.720		MTS-255	T-7	$190.00
E08R SDUCR/L2	.500	8	.437	.720		MTS-255	T-7	$217.00
E10Q SDUCR/L2	.625	7	.500	.850		MTS-255	T-7	$267.00
E10S SDUCR/L2	.625	10	.500	.850		MTS-255	T-7	$324.00
E12Q SDUCR/L3	.750	7	.625	1.050	DCMT 32.51	MTS-35	T-15	$333.00
E12S SDUCR/L3	.750	10	.625	1.050		MTS-35	T-15	$385.00
E16R SDUCR/L3	1.000	8	.750	1.310		MTS-35	T-15	$494.00
E16T SDUCR/L3	1.000	12	.750	1.310		MTS-35	T-15	$628.00
E12Q SDUPR/L3	.750	7	.625	1.050	DPMT 32.51	MTS-35	T-15	$333.00
E12S SDUPR/L3	.750	10	.625	1.050		MTS-35	T-15	$385.00
E16R SDUPR/L3	1.000	8	.750	1.310		MTS-35	T-15	$494.00
E16T SDUPR/L3	1.000	12	.750	1.310		MTS-35	T-15	$628.00

Also available in: Steel pg: 27 | Modular pg: 71 | Chatter-Free pg: 89,100

MADE IN USA

Prices are subject to change without notice.



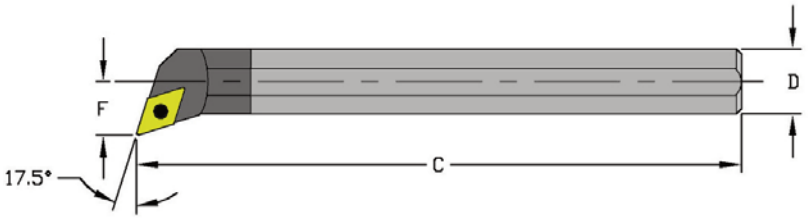
8:1 Ratio

Positive 55° Diamond (27.5° Lead) Profiling

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
E10Q SDNCR2	.625	6.86	.562	.920	DCMT 21.51	MTS-255	T-7	**$267.00**
E12S SDNCR3	.750	9.80	.765	1.190	DCMT 32.51	MTS-35	T-15	**$385.00**

Also available in: Steel pg: 28 | Modular pg: 71 | Chatter-Free pg: 100



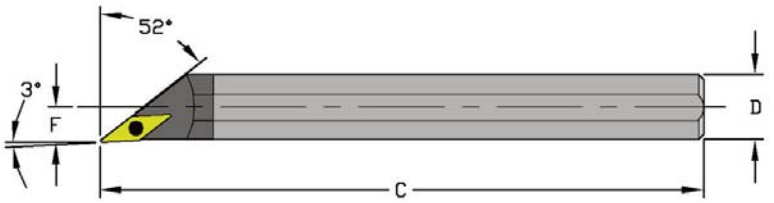
8:1 Ratio

Positive 55° Diamond (-17.5° Lead) Profiling

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
E06M SDQCR2	.375	6	.281	.490	DCMT 21.51	MTS-255	T-7	**$172.00**
E08R SDQCR2	.500	8	.341	.620		MTS-255	T-7	**$217.00**
E10S SDQCR2	.625	10	.406	.760		MTS-255	T-7	**$324.00**

Also available in: Steel pg: 28 | Modular pg: 71



NEW SIZES!

8:1 Ratio

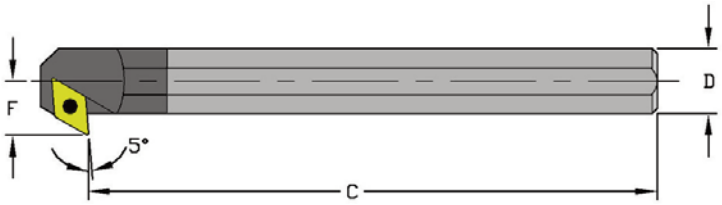
Positive 35° Diamond (-52° Lead) Profiling

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
E06M SVJBR2	.375	6	.223	.445	VBMT 21.51	MTS-2.5L	T-7	**$172.00**
E08R SVJBR2	.500	8	.285	.570		MTS-2.5L	T-7	**$217.00**
E10S SVJBR2	.625	10	.348	.700		MTS-2.5L	T-7	**$324.00**
E12S SVJBR3	.750	10	.421	.840	VBMT 331	MTS-3.5L	T-15	**$385.00**

Also available in: Modular pg: 72

! USE THE RIGHT SET SCREW FLAT POINT, NOT CUP POINT !



8:1 Ratio

Positive 55° Diamond (5° Lead) Back Facing — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
C06M SDXCR/L2	.375	6	.375	.585	DCMT 21.51	MTS-255	T-7	$156.00
C08J SDXCR/L2	.500	4.5	.437	.720		MTS-255	T-7	$182.00
C08R SDXCR/L2	.500	8	.437	.720		MTS-255	T-7	$207.00

Also available in: Steel pg: 29

Positive 55° Diamond (5° Lead) Back Facing — Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
E06M SDXCR/L2	.375	6	.375	.585	DCMT 21.51	MTS-255	T-7	$172.00
E08J SDXCR/L2	.500	4.5	.437	.720		MTS-255	T-7	$190.00
E08R SDXCR/L2	.500	8	.437	.720		MTS-255	T-7	$217.00
E10Q SDXCR/L2	.625	7	.500	.850		MTS-255	T-7	$267.00
E10S SDXCR/L2	.625	10	.500	.850		MTS-255	T-7	$324.00
E12Q SDXCR/L3	.750	7	.625	1.050	DCMT 32.51	MTS-35	T-15	$333.00
E12S SDXCR/L3	.750	10	.625	1.050		MTS-35	T-15	$385.00
E16R SDXCR/L3	1.000	8	.750	1.310		MTS-35	T-15	$494.00
E16T SDXCR/L3	1.000	12	.750	1.310		MTS-35	T-15	$628.00

Also available in: Steel pg: 29 | Modular pg: 72 | Chatter-Free pg: 101

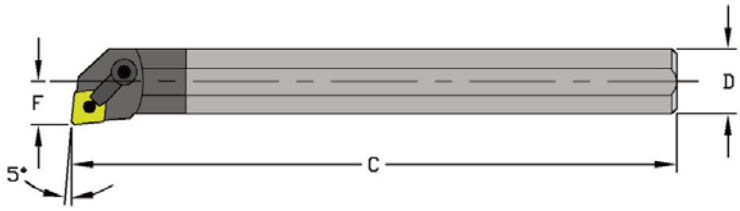
Braze Joints GUARANTEED

Against Failure

*If the bar has been altered by anyone other than Ultra-Dex the warranty will be void.

Prices are subject to change without notice.

MADE IN USA



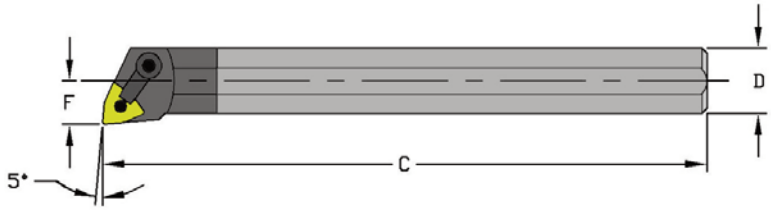
8:1 Ratio

Negative 80° Diamond (-5° Lead)

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim Seat	Clamp	Clamp Screw	Lock Pin	Price
E12Q MCLNR/L3	.750	7	.500	.920	CNMG 322	--	CL-7	XNS-36	NL-33	$353.00
E12S MCLNR/L3	.750	10	.500	.920		--	CL-7	XNS-36	NL-33	$407.00
E16R MCLNR/L3	1.000	8	.640	1.200		--	CL-7	XNS-36	NL-33	$510.00
E16T MCLNR/L3	1.000	12	.640	1.200		--	CL-7	XNS-36	NL-33	$640.00
E16R MCLNR/L4	1.000	8	.640	1.200	CNMG 432	--	CL-20	XNS-47	NL-44	$510.00
E16T MCLNR/L4	1.000	12	.640	1.200		--	CL-20	XNS-47	NL-44	$640.00
E20U MCLNR/L4	1.250	14	.765	1.470		ICSN-433	CL-20	XNS-47	NL-46	$1,185.00
E24U MCLNR/L4	1.500	14	.890	1.730		ICSN-433	CL-20	XNS-47	NL-46	$1,412.00

Also available in: Steel pg: 30 | Hybrid pg: 43 | Modular pg: 73 | Chatter-Free pg: 90



8:1 Ratio

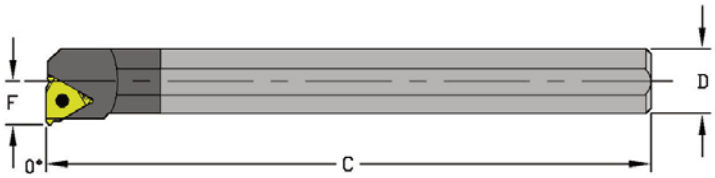
Negative Trigon (-5° Lead)

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim Seat	Clamp	Clamp Screw	Lock Pin	Price
E12Q MWLNR/L3	.750	7	.500	.920	WNMG 332	--	CL-7	XNS-36	NL-33L	$353.00
E12S MWLNR/L3	.750	10	.500	.920		--	CL-7	XNS-36	NL-33L	$407.00
E16R MWLNR/L3	1.000	8	.640	1.200		--	CL-7	XNS-36	NL-33L	$510.00
E16T MWLNR/L3	1.000	12	.640	1.200		--	CL-7	XNS-36	NL-33L	$640.00
E16R MWLNR/L4	1.000	8	.640	1.200	WNMG 432	--	CL-20	XNS-47	NL-44	$510.00
E16T MWLNR/L4	1.000	12	.640	1.200		--	CL-20	XNS-47	NL-44	$640.00
E20U MWLNR/L4	1.250	14	.765	1.470		IWSN-433	CL-20	XNS-47	NL-46	$1,185.00
E24U MWLNR/L4	1.500	14	.890	1.730		IWSN-433	CL-20	XNS-47	NL-46	$1,412.00

Also available in: Steel pg: 31 | Hybrid pg: 43 | Modular pg: 74 | Chatter-Free pg: 92

! USE THE RIGHT SET SCREW FLAT POINT, NOT CUP POINT !



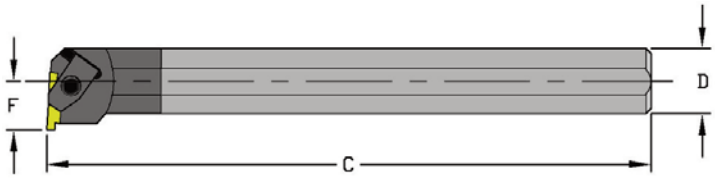
8:1 Ratio

Threading/Grooving Laydown

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Anvil Screw	Anvil Right	Anvil Left	Price
E08R LSER/L2	.500	8	.293	.570	2IR/2IL	SR34505L	--	--	--	**$217.00**
E10Q LSER/L2	.625	7	.356	.706		SR34505L	--	--	--	**$268.00**
E12Q LSER/L3	.750	7	.510	.935	3IR/3IL	MTS-35	--	--	--	**$353.00**
E12S LSER/L3	.750	10	.510	.935		MTS-35	--	--	--	**$407.00**
E16R LSER/L3	1.000	8	.650	1.210		SA3T	SY3T	YI3	YE3	**$510.00**
E16T LSER/L3	1.000	12	.650	1.210		SA3T	SY3T	YI3	YE3	**$640.00**

Also available in: Steel pg: 34 | Modular pg: 78 | Chatter-Free pg: 96



8:1 Ratio

Threading/Grooving Top Notch

Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	RH Clamp	LH Clamp	Clamp Screw	Price
E08R NER/L2	.500	8	.437	.730	NG 2L/2R	CM-147	CM-146	6-32	**$296.00**
E10S NER/L2	.625	10	.500	1.000		CM-75	CM-74	6-32	**$406.00**
E12S NER/L2	.750	10	.562	1.120		CM-75	CM-74	6-32	**$473.00**

: Also available in Steel pg: 34 | Modular pg: 78 | Chatter-Free pg: 97

See pg 163 for our *NEW*

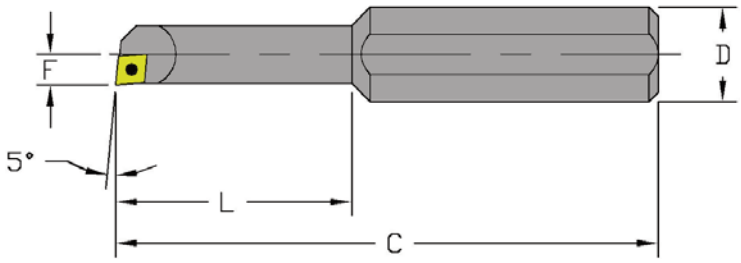
Top Notch Grooving Inserts

MADE IN USA

Prices are subject to change without notice.

Carbide Boring Bars (Reduced Neck)

SERIES "C"



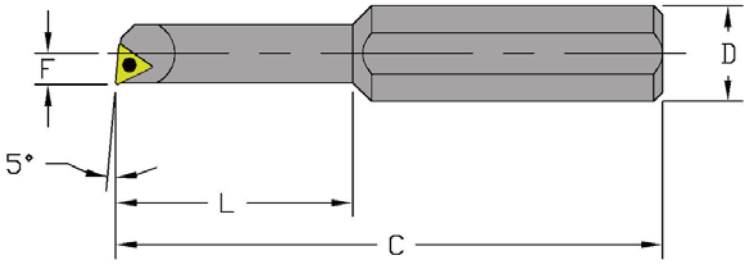
New!

Positive 80° Diamond (-5° Lead) Reduced Neck — Coolant Thru

Designation	D Dia.	Head Dia.	C OAL	L Neck Length	F	Min Bore	Insert	Insert Screw	Key	Price
CCUD-180/500-7/8-5R	.500	.189	2.38	.875	.104	.208	CDHB 1.20.60	MTS-183	T-6	$233.00
CCUD-203/500-1-5R	.500	.210	2.5	1.000	.119	.230		MTS-183	T-6	$233.00
CCUD-180/625-7/8-5R	.625	.189	3	.875	.104	.208		MTS-183	T-6	$258.00
CCUD-203/625-1-5R	.625	.210	3.5	1.000	.119	.230		MTS-183	T-6	$233.00
CCUD-250/625-1 1/4-5R	.625	.260	3	1.250	.145	.285		MTS-184	T-6	$249.00

Also available in: Steel pg: 38

SERIES "F"



Positive Triangle (-5° Lead) Reduced Neck — Coolant Thru

Designation	D Dia.	Head Dia.	C OAL	L Neck Length	F	Min Bore	Insert	Insert Screw	Key	Price
FCUD-250/500-1 1/4-5R	.500	.260	2.75	1.250	.156	.300	TDAB 505	MTS-224	T-7	$221.00
FCUD-312/500-3 1/8-5R	.500	.322	4.63	3.125	.187	.360		MTS-224	T-7	$226.00
FCUD-250/625-1 1/4-5R	.625	.260	4	1.250	.156	.300		MTS-224	T-7	$233.00
FCUD-312/625-1 1/2-5R	.625	.322	4	1.500	.187	.360		MTS-224	T-7	$233.00

Also available in: Steel pg: 39

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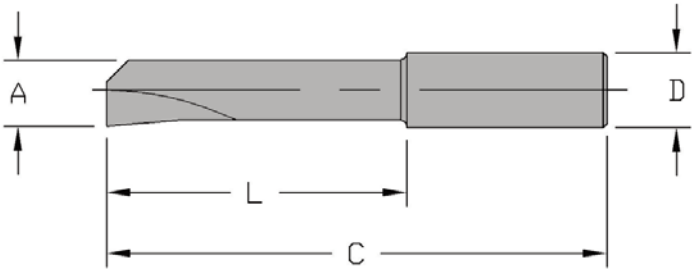
Be the first to know when our NEWEST products are released!

CHECK FOR MONTHLY SPECIALS!

! USE THE RIGHT SET SCREW
FLAT POINT, NOT CUP POINT !

SOLID CARBIDE
SMALL BORING BARS



COATED & UNCOATED

8:1 Ratio

Positive 80° Diamond (-5° Lead)

No Coolant

Designation	A Min Hole Dia.	L Max Depth	D Shank Dia.	C OAL	Price by Grade		
					UD5	UD51	UD52
UD125-060-188R	.060	.188	.125	1.500	$20.00	$22.50	$23.00
UD125-080-375R	.080	.375	.125		$20.00	$22.50	$23.00
UD125-090-500R	.090	.500	.125		$20.00	$22.50	$23.00
UD125-120-625R	.120	.625	.125		$20.00	$22.50	$23.00
UD188-150-750R	.150	.750	.188	2.000	$24.00	$27.00	$27.50
UD188-180-1.00R	.180	1.000	.188		$24.00	$27.00	$27.50
UD250-210-1.25R	.210	1.250	.250	2.500	$31.00	$37.50	$39.00
UD250-240-1.25R	.240	1.250	.250		$32.00	$38.50	$40.00
UD312-270-1.25R	.270	1.250	.312		$39.00	$45.50	$47.00
UD312-300-1.25R	.300	1.250	.312		$39.00	$45.50	$47.00
UD375-330-1.50R	.330	1.500	.375		$54.00	$60.50	$62.00
UD375-360-1.50R	.360	1.500	.375		$54.00	$60.50	$62.00

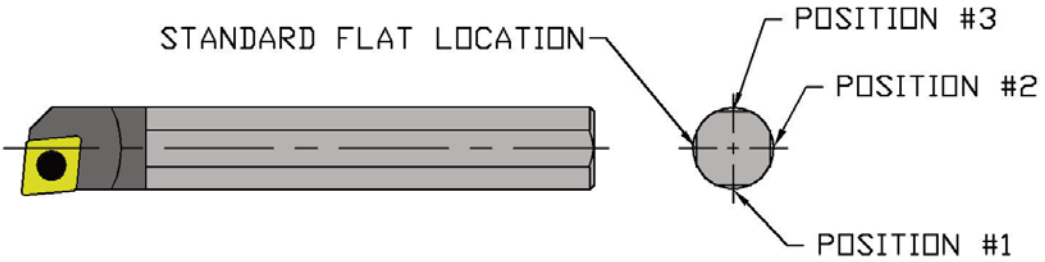
UD5	Uncoated – Used for machining carbon alloy steels, this grade of insert provides excellent toughness and wear resistance.
UD51	General purpose Tin (CVD) coated steel grade - used for roughing and semi-finishing of carbon alloy and stainless steel.
UD52	Tough general purpose steel grade with multi-layer titanium aluminum nitride coating for alloy steel, aluminum alloys, austenitic stainless and carbon steels, copper alloys and exotic alloys.

Prices are subject to change without notice.

Carbide Boring Bar SERVICES

The following services are for Carbide bars only:

Cut-Off Service		Extra-Flat Service	
up to 3/8” diameter:	$15	up to 5/16” diameter:	$15
1/2” diameter:	$20	3/8” - 1/2” diameter:	$20
5/8” diameter:	$25	5/8” - 3/4” diameter:	$25
3/4” diameter:	$30	1” - 2” diameter:	$45
1” diameter:	$45		
1 1/4” diameter:	$55		
1 1/2” diameter:	$70		
1 3/4” diameter:	$80		
2” diameter:	$95		



Ordering is easy, Use part # “Cut-Off” and specify the length in the item description
Use part # “Extra-Flat” and specify the location in the item description

Have us braze on a steel coolant adapter to any Carbide Boring Bar 1/2” or larger!

Comes with 1/16-27 NPT (or) 1/8-27 NPT
Plastic loc-line NOT included

ONLY $29.95

Item Designations:
Coolant Adapter - 1/16
Coolant Adapter - 1/8

Designation Depends on the Diamater of the Bar:
Coolant Adapter-1/16 for 1/2” Diameter Bars
Coolant Adapter-1/8 for 5/8” Diameter Bars and Larger

ULTRA-DEX USA

HEAVY METAL
BORING BARS

B

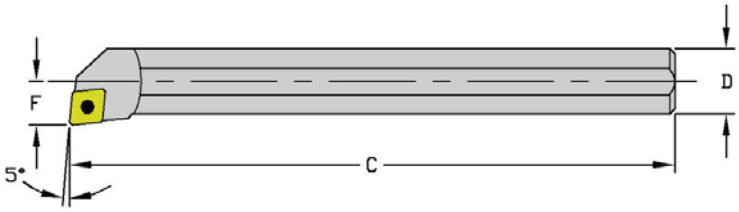
BORING

Vibration DAMPENING
Help Reduce Chatter in your Application

2x HEAVIER than Steel
- Machine Deeper Bores
- Achieve Better Precision and Finish

6:1 Ratio

.187” - .750” Diameters



6:1 Ratio

Positive 80° Diamond (-5° Lead) — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
J03F SCLDR/L1.2*	.187	3	.102	.205	CDHB 1.20.60	MTS-182	T-6	**$99.00**
J04F SCLDR/L1.5*	.250	3	.138	.275	CDGW 1.510	MTS-184	T-6	**$109.00**
J05H SCLPR/L1.8*	.312	4	.167	.340	CPMT 1.81.20.5	MTS-224	T-7	**$133.00**

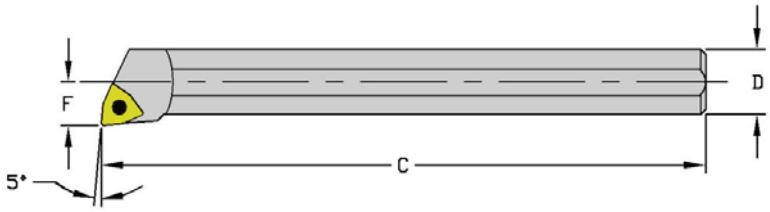
Also available in: Steel pg: 19 | Hybrid pg: 43 | Carbide pg: 45

Positive 80° Diamond (-5° Lead) — Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
HM06J SCLPR/L2	.375	4.5	.203	.410	CPMT 21.51	MTS-255	T-7	**$131.00**
HM06Q SCLPR/L2	.375	7	.203	.410		MTS-255	T-7	**$172.00**
HM08J SCLPR/L2	.500	4.5	.281	.560		MTS-255	T-7	**$169.00**
HM08Q SCLPR/L2	.500	7	.281	.560		MTS-255	T-7	**$234.00**
HM10J SCLPR/L2	.625	4.5	.406	.760		MTS-255	T-7	**$219.00**
HM10Q SCLPR/L2	.625	7	.406	.760		MTS-255	T-7	**$292.00**
HM10J SCLPR/L3	.625	4.5	.406	.760	CPMT 32.51	MTS-35	T-15	**$219.00**
HM10Q SCLPR/L3	.625	7	.406	.760		MTS-35	T-15	**$292.00**
HM12J SCLPR/L3	.750	4.5	.500	.920		MTS-35	T-15	**$312.00**
HM12Q SCLPR/L3	.750	7	.500	.920		MTS-35	T-15	**$433.00**
HM06J SCLCR/L2	.375	4.5	.203	.410	CCMT 21.51	MTS-255	T-7	**$131.00**
HM06Q SCLCR/L2	.375	7	.203	.410		MTS-255	T-7	**$172.00**
HM08J SCLCR/L2	.500	4.5	.281	.560		MTS-255	T-7	**$169.00**
HM08Q SCLCR/L2	.500	7	.281	.560		MTS-255	T-7	**$234.00**
HM10J SCLCR/L2	.625	4.5	.406	.760		MTS-255	T-7	**$219.00**
HM10Q SCLCR/L2	.625	7	.406	.760		MTS-255	T-7	**$292.00**
HM10J SCLCR/L3	.625	4.5	.406	.760	CCMT 32.51	MTS-35	T-15	**$219.00**
HM10Q SCLCR/L3	.625	7	.406	.760		MTS-35	T-15	**$292.00**
HM12J SCLCR/L3	.750	4.5	.500	.920		MTS-35	T-15	**$312.00**
HM12Q SCLCR/L3	.750	7	.500	.920		MTS-35	T-15	**$433.00**

Also available in: Steel pg: 20 | Carbide pg: 46,47 | Modular pg: 69 | Chatter-Free pg: 87,99

* bars .312 and smaller do not have flats



6:1 Ratio

Positive Trigon (-5° Lead) — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
J03F SWLCR1.2*	.187	3	.102	.205	WCMT 1.210.5	MTS-183	T-6	**$99.00**
J04F SWLCR1.2*	.250	3	.138	.275		MTS-184	T-6	**$109.00**
J05H SWLCR1.5*	.312	4	.167	.342	WCMT 1.51.50.5	MTS-2	T-6	**$133.00**

Also available in: Steel pg: 22 | Carbide pg: 49

Positive Trigon (-5° Lead) — Coolant Thru

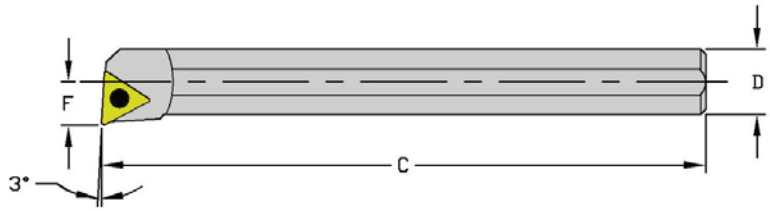
Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
HM06J SWLCR/L2	.375	4.5	.203	.410	WCMT 21.51	MTS-255	T-7	**$131.00**
HM06Q SWLCR/L2	.375	7	.203	.410		MTS-255	T-7	**$172.00**
HM08J SWLCR/L2	.500	4.5	.281	.560		MTS-255	T-7	**$169.00**
HM08Q SWLCR/L2	.500	7	.281	.560		MTS-255	T-7	**$234.00**
HM10J SWLCR/L2	.625	4.5	.406	.760		MTS-255	T-7	**$219.00**
HM10Q SWLCR/L2	.625	7	.406	.760		MTS-255	T-7	**$292.00**
HM10J SWLCR/L3	.625	4.5	.406	.760	WCMT 32.51	MTS-35	T-15	**$219.00**
HM10Q SWLCR/L3	.625	7	.406	.760		MTS-35	T-15	**$292.00**
HM12J SWLCR/L3	.750	4.5	.500	.920		MTS-35	T-15	**$312.00**
HM12Q SWLCR/L3	.750	7	.500	.920		MTS-35	T-15	**$433.00**

Also available in: Steel pg: 22 | Carbide pg: 49 | Modular pg: 70

* bars .312 and smaller do not have flats

ANYTHING you can imagine... CAN BE DONE!

SEE PAGE 166 for info on our **CUSTOM DESIGN & BUILDS**



MADE IN USA

6:1 Ratio

Positive Triangle (-3° Lead) — No Coolant

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
J04F STUCR/L1.2*	.250	3	.138	.275	TCMT 1.21.20.5	MTS-184	T-6	**$109.00**
J05H STUCR/L1.2*	.312	4	.167	.340		MTS-184	T-6	**$133.00**

Also available in: Steel pg: 24 | Carbide pg: 50

Positive Triangle (-3° Lead) — Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
HM06J STUCR/L1.2	.375	4.5	.203	.410	TCMT 1.21.20.5	MTS-184	T-6	**$131.00**
HM06Q STUCR/L1.2	.375	7	.203	.410		MTS-184	T-6	**$172.00**
HM06J STUPR/L2	.375	4.5	.203	.410	TPMT 21.51	MTS-255	T-7	**$131.00**
HM06Q STUPR/L2	.375	7	.203	.410		MTS-255	T-7	**$172.00**
HM08J STUPR/L2	.500	4.5	.281	.560		MTS-255	T-7	**$169.00**
HM08Q STUPR/L2	.500	7	.281	.560		MTS-255	T-7	**$234.00**
HM10J STUPR/L2	.625	4.5	.406	.760		MTS-255	T-7	**$219.00**
HM10Q STUPR/L2	.625	7	.406	.760		MTS-255	T-7	**$292.00**
HM12J STUPR/L3	.750	4.5	.500	.920	TPMT 32.51	MTS-35	T-15	**$312.00**
HM12Q STUPR/L3	.750	7	.500	.920		MTS-35	T-15	**$482.00**
HM06J STUCR/L2	.375	4.5	.203	.410	TCMT 21.51	MTS-255	T-7	**$131.00**
HM06Q STUCR/L2	.375	7	.203	.410		MTS-255	T-7	**$172.00**
HM08J STUCR/L2	.500	4.5	.281	.560		MTS-255	T-7	**$169.00**
HM08Q STUCR/L2	.500	7	.281	.560		MTS-255	T-7	**$234.00**
HM10J STUCR/L2	.625	4.5	.406	.760		MTS-255	T-7	**$219.00**
HM10Q STUCR/L2	.625	7	.406	.760		MTS-255	T-7	**$292.00**
HM12J STUCR/L3	.750	4.5	.500	.920	TCMT 32.51	MTS-35	T-15	**$312.00**
HM12Q STUCR/L3	.750	7	.500	.920		MTS-35	T-15	**$433.00**

Also available in: Steel pg: 25 | Carbide pg: 52 | Modular pg: 70 | Chatter-Free pg: 88

* bars .312 and smaller do not have flats

ULTRA-DEX USA

MADE IN MICHIGAN

MODULAR
BORING BARS

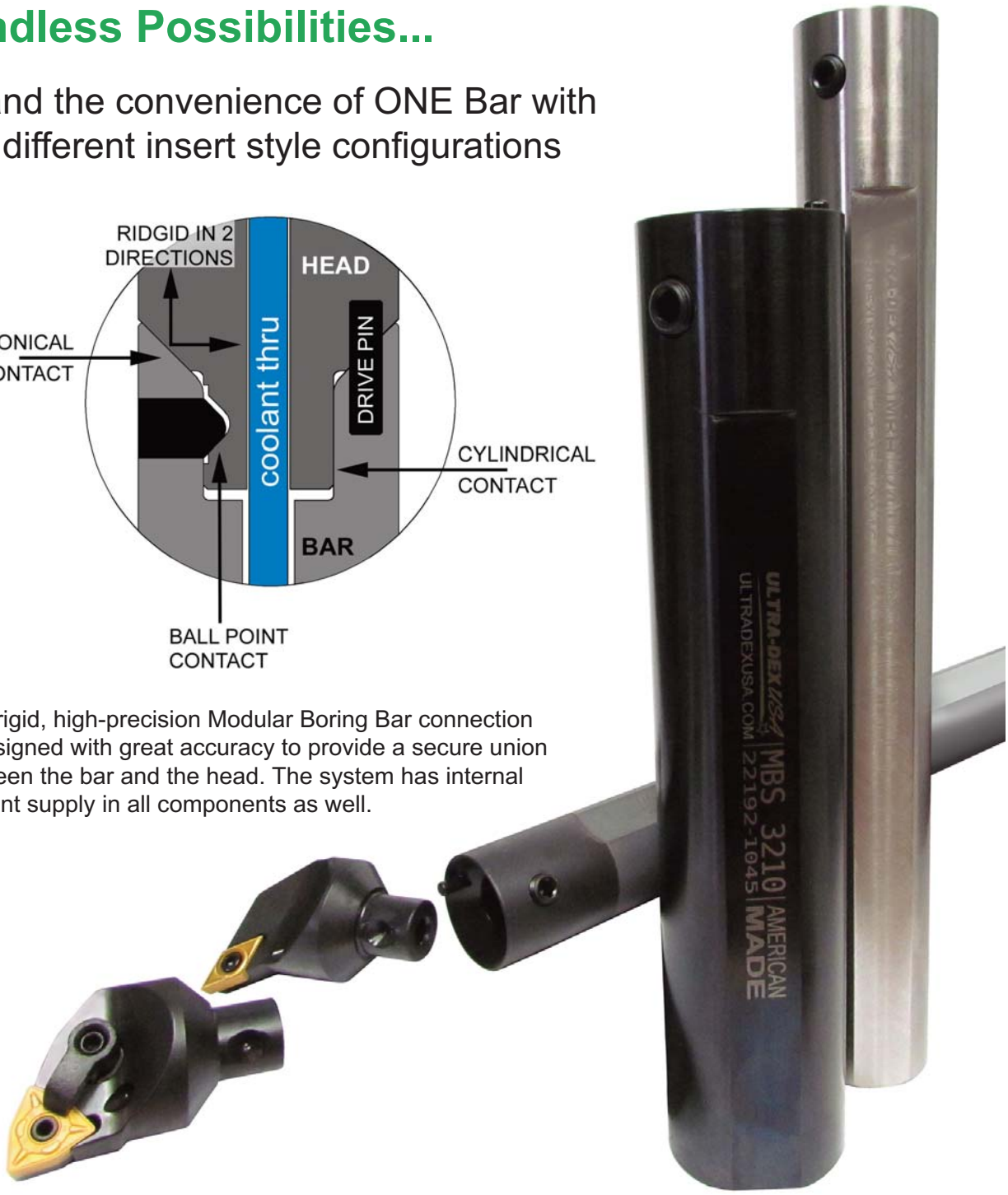
B

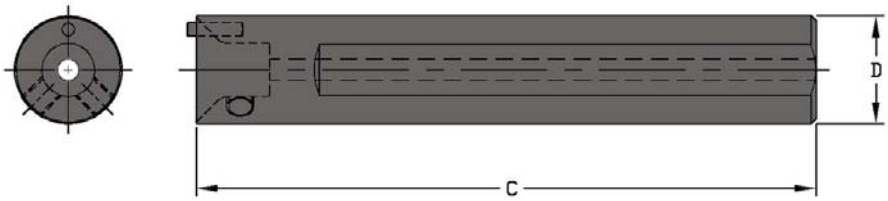
BORING

Endless Possibilities...

...and the convenience of ONE Bar with 26 different insert style configurations

This rigid, high-precision Modular Boring Bar connection is designed with great accuracy to provide a secure union between the bar and the head. The system has internal coolant supply in all components as well.



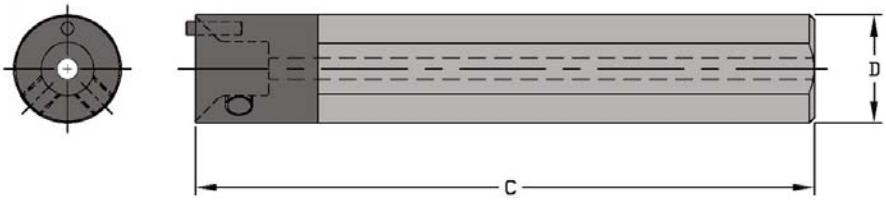


Steel Shank — Coolant Thru

4:1 Ratio

Designation	D Dia.	C OAL	Min Bore	Set Screw	Price
MBS 1295	.750	9.5	.930	MH12S	**$124.00**
MBS 1612	1.000	11.5	1.200	MH16S	**$145.00**
MBS 2014	1.250	14	1.500	MH20S	**$188.00**
MBS 2414	1.500	14	1.710	MH24S	**$209.00**
MBS 2816	1.750	16	2.010	MH28S	**$249.00**
MBS 3210	2.000	10	2.400	MH32S	**$219.00**
MBS 3220	2.000	20	2.400	MH32S	**$328.00**
MBS 4012*	2.500	12	2.930	MH32S	**$374.00**
MBS 4024*	2.500	24	2.930	MH32S	**$569.00**
MBS 4828*	3.000	28	3.460	MH32S	**$698.00**

*2.5" and 3" bars take 2" heads

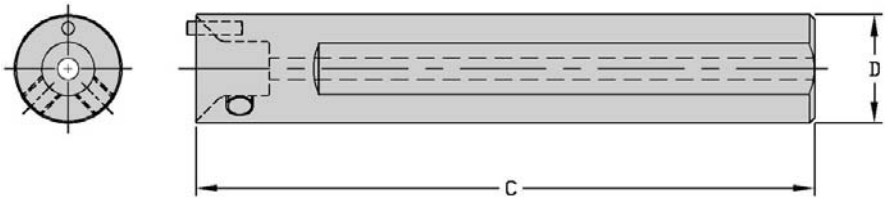


Carbide Shank — Coolant Thru

8:1 Ratio

Designation	D Dia.	C OAL	Min Bore	Set Screw	Price
MB 1295	.750	9.5	.920	MH12S	**$424.00**
MB 1220M	20mm	241mm	.930	MH12S	**$492.00**
MB 1612	1.000	11.5	1.185	MH16S	**$637.00**
MB 2014	1.250	14	1.465	MH20S	**$1,235.00**
MB 2414	1.500	14	1.730	MH24S	**$1,452.00**
MB 2816	1.750	16	2.010	MH28S	**$2,495.00**
MB 3220	2.000	20	2.400	MH32S	**$4,155.00**

Hardware pg: 164
Inserts pg: 154

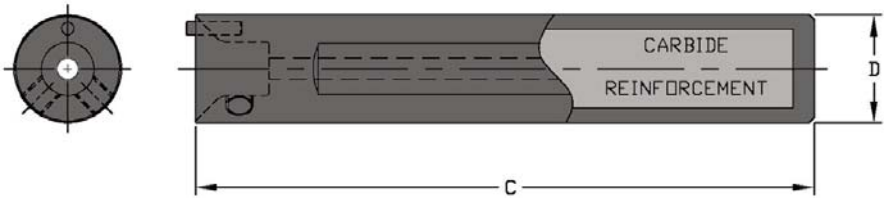


Heavy Metal Shank — Coolant Thru

6:1 Ratio

Designation	D Dia.	C OAL	Min Bore	Set Screw	Price
MBH 1212	.750	12	.930	MH12S	**$449.00**
MBH 1612	1.000	12	1.200	MH16S	**$677.00**
MBH 2012	1.250	12	1.500	MH20S	**$1,033.00**
MBH 2412	1.500	12	1.710	MH24S	**$1,349.00**
MBH 2414	1.500	14	1.710	MH24S	**$2,714.00**
MBH 2812	1.750	12	2.010	MH28S	**$1,732.00**
MBH 2816*	1.750	16	2.010	MH28S	**$3,897.00**
MBH 3212	2.000	12	2.400	MH32S	**$2,156.00**
MBH 3218*	2.000	18	2.400	MH32S	**$4,940.00**
MBH 4024**	2.500	24	2.900	MH32S	**$10,075.00**
MBH 4828**	3.000	28	3.300	MH32S	**$15,213.00**

*non-stock item; call for delivery
* 2.5" and 3" bars take 2" heads



Hybrid Shank — No Coolant

5:1 Ratio

Designation	D Dia.	C OAL	Min Bore	Set Screw	Price
MBR 1295	.750	9.5	.930	MH12S	**$354.00**
MBR 1612	1.000	11.5	1.200	MH16S	**$419.00**
MBR 2014	1.250	14	1.500	MH20S	**$709.00**
MBR 2414	1.500	14	1.710	MH24S	**$969.00**
MBR 2816	1.750	16	2.010	MH28S	**$1,649.00**

Please allow one week for processing and delivery.

Modular Head Nomenclature

MH 12 S C L C R 3

Type	
MH	Modular Head

Insert Holding	
M	Clamp and Lock Pin
S	Screw Lock Only
D	PULLBACK Clamp

Insert Clearance Angle	
B	5°
C	7°
N	0°
P	11°

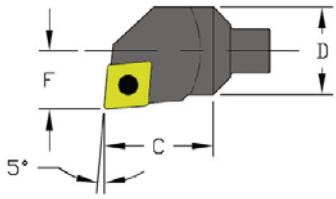
Hand of Bar	
R	Right
L	Left

Head Diameter	
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
28	1 3/4"
32	2"

Insert Shape	
C	80° Diamond
D	55° Diamond
S	90° Sqaure
T	60° Triangle
V	35° Diamond
W	80° Trigon

Lead Angle	
F	0°
J	-52°
K	15°
L	-5°
N	27.5°
Q	17.5°
U	-3°
X	5°

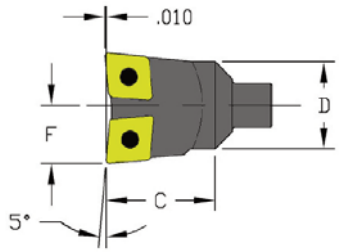
Insert Size	
2	1/4" IC
3	3/8" IC
4	1/2" IC
5	5/8" IC



Positive 80° Diamond (-5° Lead) Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH12 SCLCR/L3	.750	.940	.500	.920	CCMT 32.51	MTS-35	T-15	**$69.00**
MH16 SCLCR/L3	1.000	1.000	.625	1.185		MTS-35	T-15	**$79.00**
MH12 SCLPR/L3	.750	.940	.500	.920	CPMT 32.51	MTS-35	T-15	**$69.00**
MH16 SCLPR/L3	1.000	1.000	.625	1.185		MTS-35	T-15	**$79.00**
MH20 SCLCR4	1.250	1.300	.765	1.465	CCMT 432	MTS-4	T-20	**$109.00**
MH24 SCLCR4	1.500	1.520	.890	1.730		MTS-4	T-20	**$129.00**
MH28 SCLCR4	1.750	1.770	1.015	2.000		MTS-4	T-20	**$149.00**
MH32 SCLCR4	2.000	2.030	1.281	2.400		MTS-4	T-20	**$179.00**

Steel pg: 20 | Hybrid pg: 43 | Carbide pg: 47 | Heavy Metal pg: 63 | Chatter-Free pg: 87,99

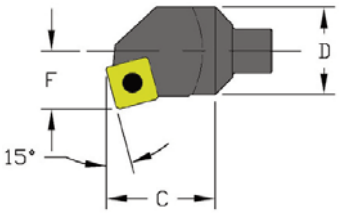


Positive 80° Diamond (-5° Lead) Turn & Bore Coolant Thru

MADE IN USA

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH12 SCLCR/L3T	.750	.940	.500	1.020	CCMT 32.51	MTS-35	T-15	**$89.00**
MH16 SCLCR/L3T	1.000	1.000	.625	1.270		MTS-35	T-15	**$99.00**

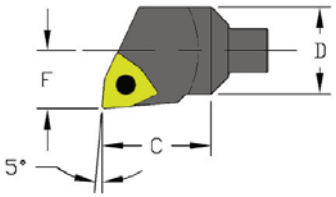
Hardware pg: 164
Inserts pg: 154



Positive Square (15° Lead) Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH12 SSKCR3	.750	.875	.500	.920	SCMT 32.51	MTS-35	T-15	**$69.00**
MH16 SSKCR4	1.000	.935	.625	1.185	SCMT 432	MTS-4	T-20	**$79.00**

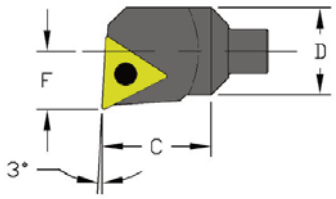
Also available in: Steel pg: 21 | Carbide pg: 48



Positive Trigon (-5° Lead) Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH12 SWLCR/L3	.750	.940	.500	.920	WCMT 32.51	MTS-35	T-15	**$69.00**
MH16 SWLCR/L3	1.000	1.000	.625	1.185		MTS-35	T-15	**$79.00**

Also available in: Steel pg: 22 | Carbide pg: 49 | Heavy Metal pg: 64

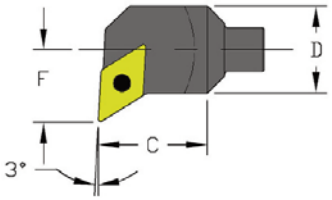


Positive Triangle (-3° Lead) Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH12 STUCR/L3	.750	.940	.500	.920	TCMT 32.51	MTS-35	T-15	**$69.00**
MH16 STUCR/L3	1.000	1.000	.625	1.185		MTS-35	T-15	**$79.00**

Also available in: Steel pg: 25 | Carbide pg: 52 | Heavy Metal pg: 65 | Chatter-Free pg: 88

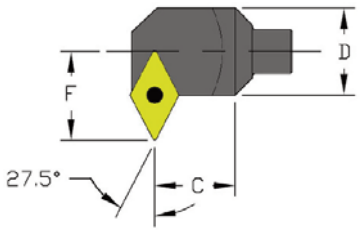
Prices are subject to change without notice.



Positive 55° Diamond (-3° Lead) Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH12 SDUCR/L3	.750	.940	.625	1.050	DCMT 32.51	MTS-35	T-15	**$79.00**
MH16 SDUCR/L3	1.000	1.000	.750	1.310		MTS-35	T-15	**$89.00**
MH20 SDUCR3-8	1.250	1.300	.800	1.500		MTS-35	T-15	**$109.00**
MH20 SDUCR/L3	1.250	1.300	1.000	1.700		MTS-35	T-15	**$109.00**
MH24 SDUCR/L3	1.500	1.520	1.120	1.960		MTS-35	T-15	**$129.00**
MH28 SDUCR/L3	1.750	1.770	1.250	2.230		MTS-35	T-15	**$149.00**
MH32 SDUCR/L3	2.000	2.030	1.375	2.500		MTS-35	T-15	**$179.00**

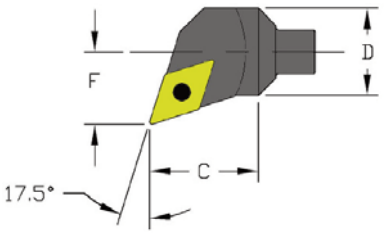
Also available in: Steel pg: 27 | Carbide pg: 54 | Chatter-Free pg: 89,100



Positive 55° Diamond (27.5° Lead) Profiling Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH12 SDNCR3	.750	.940	.765	1.190	DCMT 32.51	MTS-35	T-15	**$85.00**
MH16 SDNCR3	1.000	1.000	.890	1.450		MTS-35	T-15	**$95.00**

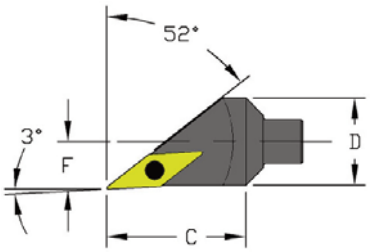
Also available in: Steel pg: 28 | Carbide pg: 55 | Chatter-Free pg: 100



Positive 55° Diamond (-17.5° Lead) Profiling Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH12 SDQCR/L3	.750	.940	.562	1.000	DCMT 32.51	MTS-35	T-15	**$79.00**
MH16 SDQCR/L3	1.000	1.000	.625	1.185		MTS-35	T-15	**$89.00**

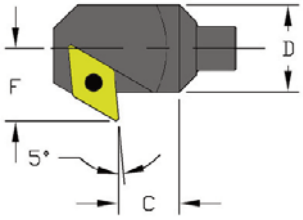
Also available in: Steel pg: 28 | Carbide pg: 55



Positive 35° Diamond (-52° Lead) Profiling Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH12 SVJBR/L3	.750	1.315	.421	.840	VBMT 331	MTS-3.5L	T-15	**$79.00**
MH16 SVJBR/L3	1.000	1.375	.546	1.110		MTS-3.5L	T-15	**$89.00**

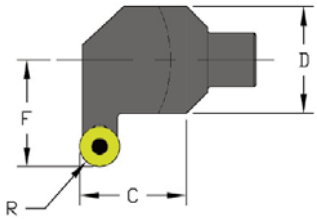
Also available in: Carbide pg: 55



Positive 55° Diamond (5° Lead) Back Facing Coolant Thru

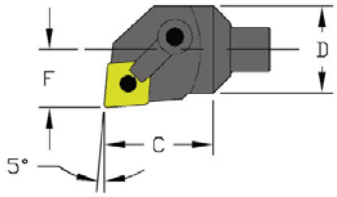
Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH12 SDXCR/L3	.750	.440	.625	1.050	DCMT 32.51	MTS-35	T-15	**$79.00**
MH16 SDXCR/L3	1.000	.525	.750	1.310		MTS-35	T-15	**$89.00**

Also available in: Steel pg: 28 Carbide pg: 56 Chatter-Free pg: 101



Positive Round Coolant Thru

Designation	D Dia.	C OAL	F	R	Min Bore	Insert	Screw	Price
MH16 SRNCR/L3	1.000	1.000	1.000	.188	1.560	RCMT 32.5	MTS-35	**$79.00**
MH24 SRNCR/L4	1.500	1.520	1.250	.250	2.090	RCMT 43	MTS-4	**$129.00**

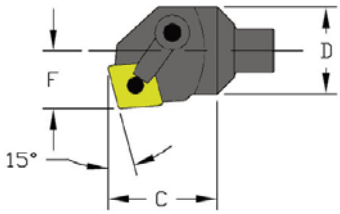


Negative 80° Diamond (-5° Lead)
Coolant Thru

NEW SIZES!

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH12 MCLNR/L3	.750	.940	.500	.920	CNMG 322	--	CL-7	XNS-36	NL-33	**$89.00**
MH16 MCLNR/L3	1.000	1.000	.640	1.200		--	CL-7	XNS-36	NL-33	**$99.00**
MH16 MCLNR/L4	1.000	1.000	.640	1.200	CNMG 432	--	CL-20	XNS-47	NL-44	**$99.00**
MH20 MCLNR/L4	1.250	1.300	.765	1.470		ICSN-433	CL-20	XNS-47	NL-46	**$129.00**
MH24 MCLNR/L4	1.500	1.520	.890	1.730		ICSN-433	CL-20	XNS-47	NL-46	**$149.00**
MH28 MCLNR/L4	1.750	1.770	1.015	1.995		ICSN-433	CL-20	XNS-47	NL-46	**$169.00**
MH32 MCLNR/L4	2.000	2.030	1.281	2.400		ICSN-433	CL-20	XNS-47	NL-46	**$199.00**
MH32 MCLNR/L5	2.000	2.030	1.281	2.400	CNMG 543	ICSN-533	CL-12	XNS-510	NL-58	**$199.00**

Also available in: Steel pg: 30 | Hybrid pg: 43 | Carbide pg: 57 | Chatter-Free pg: 90



Negative 80° Diamond (15° Lead)
Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH12 MCKNR/L3	.750	.875	.490	.910	CNMG 322	--	CL-7	XNS-36	NL-33	**$89.00**
MH16 MCKNR/L3	1.000	.935	.630	1.190		--	CL-7	XNS-36	NL-33	**$99.00**
MH20 MCKNR/L4	1.250	1.210	.755	1.455	CNMG 432	ICSN-433	CL-20	XNS-47	NL-46	**$129.00**
MH24 MCKNR/L4	1.500	1.430	.880	1.720		ICSN-433	CL-20	XNS-47	NL-46	**$149.00**
MH28 MCKNR/L4	1.750	1.680	1.005	1.985		ICSN-433	CL-20	XNS-47	NL-46	**$169.00**
MH32 MCKNR/L4	2.000	1.940	1.271	2.390		ICSN-433	CL-20	XNS-47	NL-46	**$199.00**

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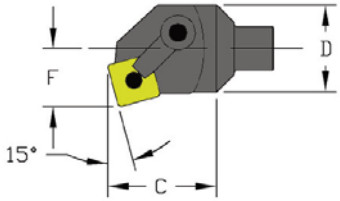
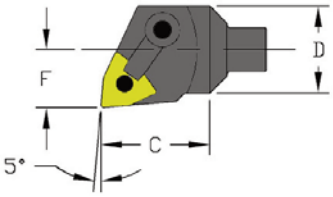


Negative Square (15° Lead) Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH16 MSKNR4	1.000	1.060	.630	1.190	SNMG 432	--	CL-20	XNS-47	NL-44	**$99.00**
MH20 MSKNR4	1.250	1.210	.755	1.455		ISSN-432	CL-20	XNS-47	NL-46	**$129.00**
MH24 MSKNR4	1.500	1.430	.880	1.720		ISSN-432	CL-20	XNS-47	NL-46	**$149.00**
MH32 MSKNR4	2.000	1.680	1.271	2.390		ISSN-432	CL-20	XNS-47	NL-46	**$199.00**

Also available in: Chatter-Free pg: 91



Negative Trigon (-5° Lead) Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH12 MWLNR/L3	.750	.940	.500	.920	WNMG 332	--	CL-7	XNS-36	NL-33L	**$89.00**
MH16 MWLNR/L3	1.000	1.000	.640	1.200		--	CL-7	XNS-36	NL-33L	**$99.00**
MH16 MWLNR/L4	1.000	1.000	.640	1.240	WNMG 432	--	CL-20	XNS-47	NL-44	**$99.00**
MH20 MWLNR/L4	1.250	1.300	.765	1.470		IWSN-433	CL-20	XNS-47	NL-46	**$129.00**
MH24 MWLNR/L4	1.500	1.520	.890	1.730		IWSN-433	CL-20	XNS-47	NL-46	**$149.00**
MH28 MWLNR/L4	1.750	1.770	1.015	1.995		IWSN-433	CL-20	XNS-47	NL-46	**$169.00**
MH32 MWLNR/L4	2.000	2.030	1.281	2.400		IWSN-433	CL-20	XNS-47	NL-46	**$199.00**

Also available in: Steel pg: 31 | Hybrid pg: 43 | Carbide pg: 57 | Chatter-Free pg: 92

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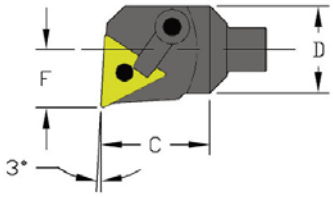
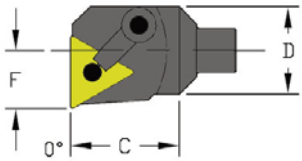
Prices are subject to change without notice.



Negative Triangle (-3° Lead) Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH12 MTUNR/L3	.750	.940	.500	.920	TNMG 332	--	CL-7	XNS-36	NL-33L	**$89.00**
MH16 MTUNR/L3	1.000	1.000	.640	1.200		--	CL-7	XNS-36	NL-33L	**$99.00**
MH20 MTUNR/L3	1.250	1.300	.765	1.470		ITSN-323	CL-7	XNS-36	NL-34L	**$129.00**
MH24 MTUNR/L3	1.500	1.520	.890	1.470		ITSN-323	CL-7	XNS-36	NL-34L	**$149.00**
MH20 MTUNR/L4	1.250	1.300	.765	1.730	TNMG 432	ITSN-433	CL-20	XNS-47	NL-46	**$129.00**
MH24 MTUNR/L4	1.500	1.520	.890	1.730		ITSN-433	CL-20	XNS-47	NL-46	**$149.00**
MH28 MTUNR/L4	1.750	1.770	1.015	1.995		ITSN-433	CL-20	XNS-47	NL-46	**$169.00**
MH32 MTUNR/L4	2.000	2.030	1.281	2.400		ITSN-433	CL-20	XNS-47	NL-46	**$199.00**

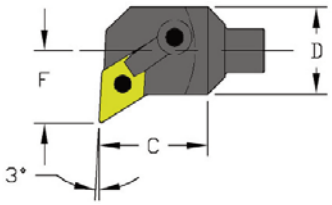
Also available in: Steel pg: 32 | Chatter-Free pg: 92



Negative Triangle (0° Lead) Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH12 MTFNR/L3	.750	.940	.500	.920	TNMG 332	--	CL-7	XNS-36	NL-33L	**$89.00**
MH16 MTFNR/L3	1.000	1.000	.640	1.200		--	CL-7	XNS-36	NL-33L	**$99.00**
MH20 MTFNR/L3	1.250	1.300	.765	1.470		ITSN-323	CL-7	XNS-36	NL-34L	**$129.00**
MH24 MTFNR/L3	1.500	1.520	.890	1.730		ITSN-323	CL-7	XNS-36	NL-34L	**$149.00**
MH20 MTFNR/L4	1.250	1.300	.765	1.470	TNMG 432	ITSN-433	CL-20	XNS-47	NL-46	**$129.00**
MH24 MTFNR/L4	1.500	1.520	.890	1.730		ITSN-433	CL-20	XNS-47	NL-46	**$149.00**
MH28 MTFNR/L4	1.750	1.770	1.015	1.995		ITSN-433	CL-20	XNS-47	NL-46	**$169.00**
MH32 MTFNR/L4	2.000	2.030	1.281	1.995		ITSN-433	CL-20	XNS-47	NL-46	**$199.00**

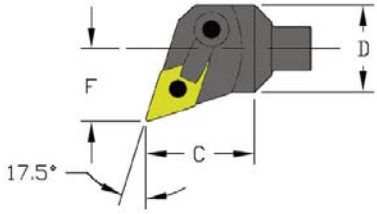
Also available in: Steel pg: 32



Negative 55° Diamond (-3° Lead) Profiling Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH12 MDUNR/L3	.750	.940	.625	1.050	DNMG 332	--	CL-7	XNS-36	NL-33L	**$99.00**
MH16 MDUNR/L3	1.000	1.000	.750	1.310		--	CL-7	XNS-36	NL-33L	**$109.00**
MH20 MDUNR4-7	1.250	1.300	.775	1.475	DNMG 432	IDSN-433	CL-22	XNS-48	NL-46	**$139.00**
MH20 MDUNR/L4	1.250	1.300	1.000	1.700		IDSN-433	CL-22	XNS-48	NL-46	**$139.00**
MH24 MDUNR/L4	1.500	1.520	1.120	1.960		IDSN-433	CL-22	XNS-48	NL-46	**$159.00**
MH28 MDUNR/L4	1.750	1.770	1.250	2.250		IDSN-433	CL-22	XNS-48	NL-46	**$179.00**
MH32 MDUNR/L4	2.000	2.030	1.375	2.500		IDSN-433	CL-22	XNS-48	NL-46	**$209.00**

Also available in: Steel pg: 33 | Chatter-Free pg: 93



Negative 55° Diamond (-17.5° Lead) Profiling Coolant Thru

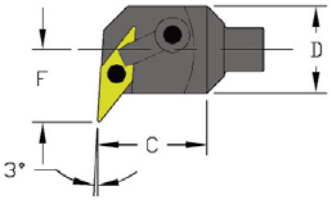
Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH20 MDQNR/L4	1.250	1.300	1.000	1.700	DNMG 432	IDSN-433	CL-20	XNS-48	NL-46	**$139.00**
MH24 MDQNR/L4	1.500	1.520	1.120	1.960		IDSN-433	CL-22	XNS-48	NL-46	**$159.00**
MH28 MDQNR/L4	1.750	1.770	1.250	2.250		IDSN-433	CL-22	XNS-48	NL-46	**$179.00**
MH32 MDQNR/L4	2.000	2.030	1.281	2.400		IDSN-433	CL-22	XNS-48	NL-46	**$209.00**

Also available in: Steel pg: 33

SAME DAY SHIPPING

On orders placed before 3:30pm EST

SEE PAGE 167 for more details

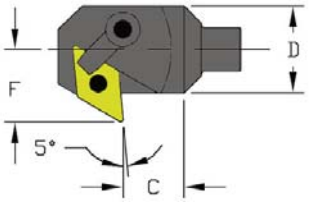


Negative 35° Diamond (-3° Lead) Profiling Coolant Thru

NEW SIZES!

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH16 MVUNR/L3	1.000	1.300	.875	1.435	VNMG 332	IVSN-322	CL-20	XNS-47	NL- 34L	**$109.00**
MH20 MVUNR/L3	1.250	1.300	1.000	1.700		IVSN-322	CL-20	XNS-47	NL- 34L	**$139.00**
MH24 MVUNR/L3	1.500	1.520	1.120	2.000		IVSN-322	CL-20	XNS-47	NL -34L	**$159.00**
MH28 MVUNR/L3	1.750	1.770	1.250	2.250		IVSN-322	CL-20	XNS-47	NL -34L	**$179.00**
MH32 MVUNR/L3	2.000	2.030	1.375	2.500		IVSN-322	CL-20	XNS-47	NL-34L	**$209.00**
MH28 MVUNR/L4	1.750	1.770	1.250	2.250	VNMG 432	IVSN-432	CL-22	XNS-48	NL-46	**$179.00**
MH32 MVUNR/L4	2.000	2.030	1.375	2.500		IVSN-432	CL-22	XNS-48	NL-46	**$209.00**

Also available in: Steel pg: 32 | Chatter-Free pg: 94



Negative 55° Diamond (5° Lead) Back Facing Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH20 MDXNR/L4	1.250	.700	1.000	1.700	DNMG 432	IDSN-433	CL-20	XNS-48	NL-46	**$149.00**
MH24 MDXNR/L4	1.500	.650	1.120	1.960		IDSN-433	CL-22	XNS-48	NL-46	**$169.00**
MH28 MDXNR/L4	1.750	.780	1.250	2.250		IDSN-433	CL-22	XNS-48	NL-46	**$189.00**
MH32 MDXNR/L4	2.000	.780	1.500	2.620		IDSN-433	CL-22	XNS-48	NL-46	**$219.00**

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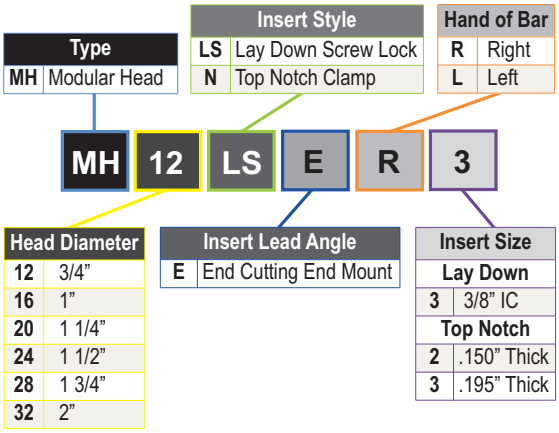
See **pg 122** for our directory on all of the tool holders we offer.

Hardware pg: 164
Inserts pg: 154

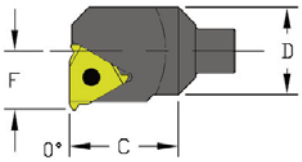
Threading / Grooving
Modular Head Nomenclature



MADE IN USA

B

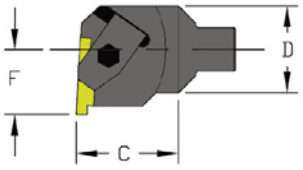
BORING



Threading / Grooving
Laydown
Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Anvil Screw	Anvil Right	Anvil Left	Price
MH12 LSER/L3	.750	.940	.510	.930	3IR/3IL	MTS-35	--	--	--	**$89.00**
MH16 LSER/L3	1.000	1.000	.650	1.210		SA3T	SY3T	YI3	YE3	**$109.00**
MH20 LSER/L3	1.250	1.300	.770	1.470		SA3T	SY3T	YI3	YE3	**$139.00**
MH24 LSER/L3	1.500	1.520	.900	1.740		SA3T	SY3T	YI3	YE3	**$159.00**
MH28 LSER/L3	1.750	1.770	1.090	2.070		SA3T	SY3T	YI3	YE3	**$179.00**
MH32 LSER/L3	2.000	2.030	1.281	2.400		SA3T	SY3T	YI3	YE3	**$209.00**

Also available in: Steel pg: 34 | Carbide pg: 58 | Chatter-Free pg: 96



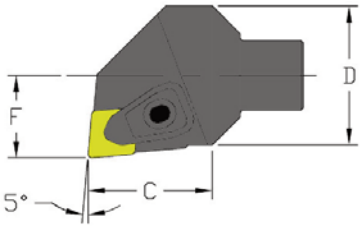
Threading / Grooving
Top Notch
Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Clamp RH Bars	Clamp LH Bars	Clamp Screw	Price
MH12 NER/L2	.750	.920	.562	1.120	NG 2L/2R	CM-75	CM-74	6-32	**$99.00**
MH16 NER/L2	1.000	1.180	.688	1.380		CM-75	CM-74	6-32	**$109.00**
MH16 NER/L3	1.000	1.180	.688	1.380	NG 3L/3R	CM-73	CM-72	10-32	**$109.00**
MH20 NER/L3	1.250	1.300	.875	1.750		CM-73	CM-72	10-32	**$141.00**
MH24 NER/L3	1.500	1.520	1.000	2.000		CM-73	CM-72	10-32	**$163.00**
MH28 NER/L3	1.750	1.770	1.125	2.250		CM-73	CM-72	10-32	**$185.00**
MH32 NER/L3	2.000	2.030	1.250	2.500		CM-73	CM-72	10-32	**$218.00**

Also available in: Steel pg: 34 | Carbide pg: 58 | Chatter-Free pg: 97

Prices are subject to change without notice.

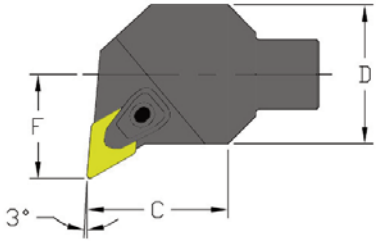
See **pg 40** for more info on our PULLBACKS



PULLBACK Clamp
Negative 80° Diamond (-5° Lead)
Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Shim Screw	Clamp Assy.	Price
MH16 DCLNR4	1.000	1.000	.640	1.200	CNMG 432	- -	--	PB4-CA	**$177.00**
MH20 DCLNR4	1.250	1.300	.765	1.470		ICSN-433	PB4-SS		**$207.00**
MH24 DCLNR4	1.500	1.520	.890	1.730		ICSN-433	PB4-SS		**$252.00**
MH28 DCLNR4	1.750	1.770	1.015	1.995		ICSN-433	PB4-SS		**$272.00**
MH32 DCLNR4	2.000	2.030	1.281	2.400		ICSN-433	PB4-SS		**$302.00**

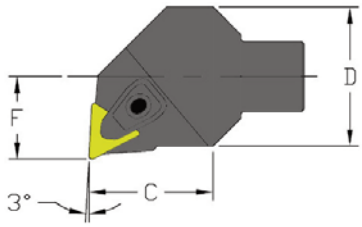
Also available in: Steel pg: 41 | Carbide pg: 41 | Chatter-Free pg: 102



PULLBACK Clamp
Negative 55° Diamond (-3° Lead)
Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Shim Screw	Clamp Assy.	Price
MH20 DDUNR4	1.250	1.300	1.000	1.700	DNMG 432	IDSN-433	PB4-SS	PB4-CA	**$207.00**
MH24 DDUNR4	1.500	1.520	1.120	1.965		IDSN-433	PB4-SS		**$252.00**
MH28 DDUNR4	1.750	1.770	1.250	2.250		IDSN-433	PB4-SS		**$272.00**
MH32 DDUNR4	2.000	2.030	1.375	2.500		IDSN-433	PB4-SS		**$302.00**

Also available in: Steel pg: 41 | Carbide pg: 41 | Chatter-Free pg: 102



PULLBACK Clamp
Negative Triangle (-3° Lead)
Coolant Thru

Designation	D Dia.	C OAL	F	Min Bore	Insert	Shim	Shim Screw	Clamp Assy.	Price
MH20 DTUNR4	1.250	1.300	.765	1.470	TNMG 432	ITSN-433	PB4-SS	PB4-CA	**$207.00**
MH24 DTUNR4	1.500	1.520	.890	1.730		ITSN-433	PB4-SS		**$252.00**
MH28 DTUNR4	1.750	1.770	1.015	1.995		ITSN-433	PB4-SS		**$272.00**
MH32 DTUNR4	2.000	2.030	1.281	2.400		ITSN-433	PB4-SS		**$302.00**

Also available in: Steel pg: 41 | Carbide pg: 41 | Chatter-Free pg: 103

ULTRA-DEX USA

CHATTER-FREE
BORING BARS

MICHIGAN MADE

Tuneable Internal Dampening Technology...
provides optimal dynamic stability yielding significant increases in machining performance. Most importantly, the bars pay for themselves quickly by increasing speed and precision. Additionally, you can leave Chatter-Free Tooling "CFT" in the machine and use it for deep or shallow bore applications, thus reducing changeover and setup time.

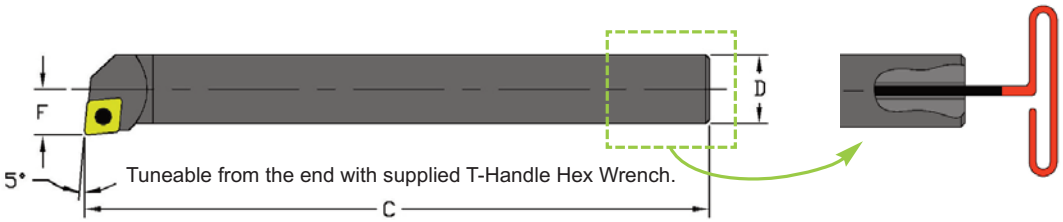
5:1 Ratio up to **14:1 Ratio**

- Fully tunable boring bar (arrives pre-tuned)
- Labeled dial for ease of tuning
- Quick setup flat located on connection end of bar
- Solves difficult deep boring applications
- Increase surface finish
- Increase output by more aggresive cutting
- Increase tool life from reduced vibration
- Multiple head configurations

CHATTER-FREE GUARANTEE

PROPER WORKHOLDING: NO set-screws directly on bar.

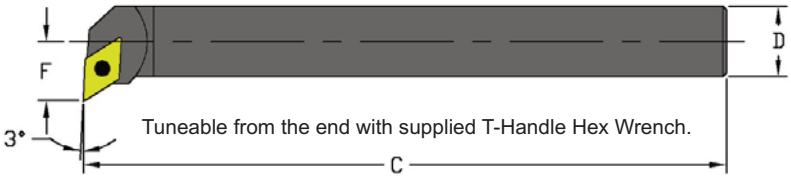
Using a split/hinged boring bar holder, achieving maximum grip force.



Solid Positive 80° Diamond (-5° Lead) Coolant Thru

8:1 Ratio

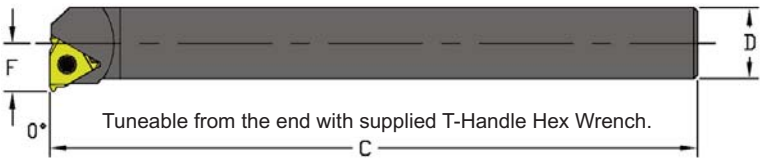
Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
D08R SCLCR2	.500	8	.281	.580	CCMT 21.51	MTS-255	T-7	$595.00
D10X SCLCR3	.625	9	.406	.770	CCMT 32.51	MTS-35	T-15	$645.00
D12S SCLCR3	.750	10	.500	.930		MTS-35	T-15	$695.00



Solid Positive 55° Diamond (-3° Lead) Coolant Thru

8:1 Ratio

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
D08R SDUCR2	.500	8	.437	.730	DCMT 21.51	MTS-255	T-7	$595.00
D10X SDUCR2	.625	9	.500	.850		MTS-255	T-7	$645.00
D12S SDUCR3	.750	10	.625	1.050	DCMT 32.51	MTS-35	T-15	$695.00



Solid Threading/Grooving Laydown Coolant Thru

8:1 Ratio

Designation	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Price
D12S LSER3	.750	10	.510	.935	3IR	MTS-35	$695.00

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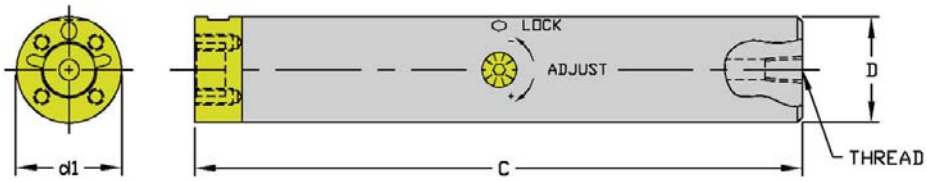
STANDARD Chatter-Free Boring Bars (English)



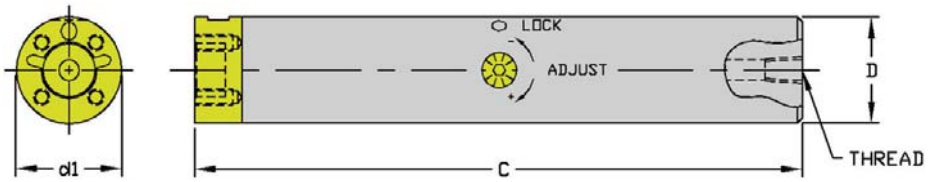
Modular Chatter-Free Bars — Coolant Thru

B

BORING

	Designation	D Dia.	d1	C OAL	Min Bore	Head Bolts	Thread	Price
5:1 Ratio	CFT B1500-9	1.500	1.500	9	1.760	10-24	1/8-27 NPT	$1,055.00
	CFT B2000-12	2.000	2.000	12	2.400	1/4-20	1/8-27 NPT	$1,282.00
	CFT B2500-16	2.500	2.500	16	2.800	5/16-18	1/8-27 NPT	$1,744.00
7:1 Ratio	CFT B1000-10	1.000	1.000	10	1.200	8-32	1/8-27 NPT	$810.00
	CFT B1250-12	1.250	1.250	12	1.470	10-24	1/8-27 NPT	$905.00
	CFT B1500-15	1.500	1.500	15	1.760	10-24	1/8-27 NPT	$1,055.00
	CFT B1750-18	1.750	1.750	18	2.010	1/4-20	1/8-27 NPT	$1,210.00
	CFT B2000-20	2.000	2.000	20	2.400	1/4-20	1/8-27 NPT	$1,282.00
	CFT B2500-27	2.500	2.500	27	2.800	5/16-18	1/4-18 NPT	$1,744.00
	CFT B3000-31	3.000	2.500	31	3.525	5/16-18	1/4-18 NPT	$2,100.00
10:1 Ratio	CFT B1000-14	1.000	1.000	14	1.200	8-32	1/8-27 NPT	$1,564.00
	CFT B1250-16	1.250	1.250	16	1.470	10-24	1/8-27 NPT	$1,704.00
	CFT B1500-19	1.500	1.500	19	1.760	10-24	1/8-27 NPT	$1,749.00
	CFT B1750-23	1.750	1.750	23	2.010	1/4-20	1/8-27 NPT	$1,845.00
	CFT B2000-26	2.000	2.000	26	2.400	1/4-20	1/8-27 NPT	$1,945.00
	CFT B2500-33	2.500	2.500	33	2.800	5/16-18	1/8-18 NPT	$2,652.00
	CFT B3000-40	3.000	2.500	40	3.525	5/16-18	1/4-18 NPT	$3,848.00
	CFT B4000-50	4.000	2.500	50	4.350	5/16-18	1/4-18 NPT	$6,804.00
12:1 Ratio	CFT B1000-16	1.000	1.000	16	1.200	8-32	1/8-27 NPT	$3,468.00
	CFT B1250-18	1.250	1.250	18	1.470	10-24	1/8-27 NPT	$4,293.00
	CFT B1500-22	1.500	1.500	22	1.760	10-24	1/8-27 NPT	$5,292.00
	CFT B1750-25	1.750	1.750	25	2.010	1/4-20	1/8-27 NPT	$6,469.00
	CFT B2000-29	2.000	2.000	29	2.400	1/4-20	1/8-27 NPT	$8,115.00
14:1 Ratio	CFT B1000-18	1.000	1.000	18	1.200	8-32	1/8-27 NPT	$6,762.00
	CFT B1250-21	1.250	1.250	21	1.470	10-24	1/8-27 NPT	$8,059.00
	CFT B1500-25	1.500	1.500	25	1.760	10-24	1/8-27 NPT	$9,353.00
	CFT B1750-29	1.750	1.750	29	2.010	1/4-20	1/8-27 NPT	$10,882.00
	CFT B2000-33	2.000	2.000	33	2.400	1/4 20	1/8-27 NPT	$13,941.00

Prices are subject to change without notice.



Modular Chatter-Free Bars — Coolant Thru

	Designation	D Dia.	d1	C OAL	Min Bore	Head Bolts	Thread	Price
7:1 Ratio	CFT B25MM-250	25mm	1.000	250mm	1.200	8-32	1/8-27 NPT	$810.00
	CFT B32MM-320	32mm	1.250	320mm	1.470	10-24	1/8-27 NPT	$905.00
	CFT B40MM-400	40mm	1.500	400mm	1.760	10-24	1/8-27 NPT	$1,055.00
	CFT B50MM-500	50mm	2.000	500mm	2.400	1/4-20	1/8-27 NPT	$1,282.00
	CFT B60MM-600	60mm	2.000	600mm	2.830	1/4-20	1/8-27 NPT	$1,744.00
10:1 Ratio	CFT B25MM-325	25mm	1.000	325mm	1.200	8-32	1/8-27 NPT	$1,564.00
	CFT B32MM-416	32mm	1.250	416mm	1.470	10-24	1/8-27 NPT	$1,704.00
	CFT B40MM-520	40mm	1.500	520mm	1.760	10-24	1/8-27 NPT	$1,749.00
	CFT B50MM-650	50mm	2.000	650mm	2.400	1/4-20	1/8-27 NPT	$1,945.00
	CFT B60MM-780	60mm	2.000	780mm	2.830	1/4-20	1/8-27 NPT	$2,652.00
12:1 Ratio	CFT B32MM-480	32mm	1.000	480mm	1.470	10-24	1/8-27 NPT	$4,293.00
	CFT B40MM-600	40mm	1.250	600mm	1.760	10-24	1/8-27 NPT	$5,292.00
	CFT B50MM-750	50mm	2.000	750mm	2.400	1/4-20	1/8-27 NPT	$8,115.00
14:1 Ratio	CFT B32MM-544	32mm	1.000	544mm	1.470	10-24	1/8-27 NPT	$8,059.00
	CFT B40MM-680	40mm	1.250	680mm	1.760	10-24	1/8-27 NPT	$9,353.00
	CFT B50MM-850	50mm	2.000	850mm	2.400	1/4-20	1/8-27 NPT	$13,941.00

MADE IN USA

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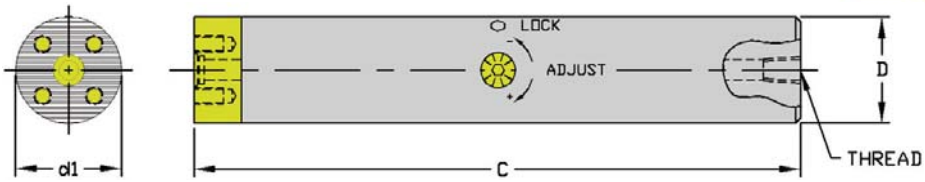
New!

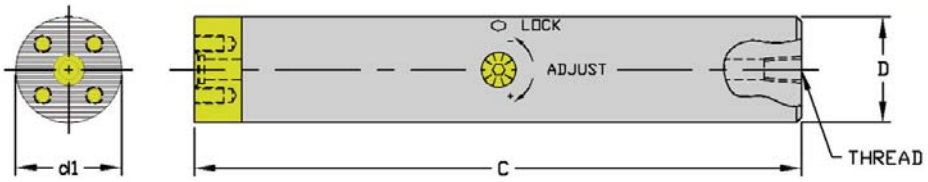


Modular Chatter-Free Bars — Coolant Thru

	Designation	D Dia.	d1	C OAL	Min Bore	Head Bolts	Thread	Price
5:1 Ratio	SCFT B1500-9	1.500	32mm	9	1.968	10-24	1/8-27 NPT	$1,055.00
	SCFT B2000-12	2.000	40mm	12	2.400	1/4-20	1/8-27 NPT	$1,282.00
	SCFT B2500-16	2.500	40mm	16	2.800	1/4-20	1/8-27 NPT	$1,744.00
7:1 Ratio	SCFT B1000-10	1.000	25mm	10	1.260	8-32	1/8-27 NPT	$810.00
	SCFT B1250-12	1.250	32mm	12	1.575	10-24	1/8-27 NPT	$905.00
	SCFT B1500-15	1.500	32mm	15	1.968	10-24	1/8-27 NPT	$1,055.00
	SCFT B1750-18	1.750	40mm	18	2.010	1/4-20	1/8-27 NPT	$1,210.00
	SCFT B2000-20	2.000	40mm	20	2.400	1/4-20	1/8-27 NPT	$1,282.00
	SCFT B2500-27	2.500	40mm	27	2.800	1/4-20	1/4-18 NPT	$1,744.00
10:1 Ratio	SCFT B1000-14	1.000	25mm	14	1.260	8-32	1/8-27 NPT	$1,625.00
	SCFT B1250-16	1.250	32mm	16	1.575	10-24	1/8-27 NPT	$1,816.00
	SCFT B1500-19	1.500	32mm	19	1.968	10-24	1/8-27 NPT	$1,910.00
	SCFT B1750-23	1.750	40mm	23	2.010	1/4-20	1/8-27 NPT	$2,264.00
	SCFT B2000-26	2.000	40mm	26	2.400	1/4-20	1/8-27 NPT	$2,479.00
	SCFT B2500-33	2.500	40mm	33	2.800	1/4-20	1/4-18 NPT	$3,116.00
12:1 Ratio	SCFT B1000-16	1.000	25mm	16	1.260	8-32	1/8-27 NPT	$3,650.00
	SCFT B1250-18	1.250	32mm	18	1.575	10-24	1/8-27 NPT	$4,520.00
	SCFT B1500-22	1.500	32mm	22	1.968	10-24	1/8-27 NPT	$5,570.00
	SCFT B1750-25	1.750	40mm	25	2.010	1/4-20	1/8-27 NPT	$6,810.00
	SCFT B2000-29	2.000	40mm	29	2.400	1/4-20	1/8-27 NPT	$8,542.00
14:1 Ratio	SCFT B1000-18	1.000	25mm	18	1.260	8-32	1/8-27 NPT	$7,117.00
	SCFT B1250-21	1.250	32mm	21	1.575	10-24	1/8-27 NPT	$8,480.00
	SCFT B1500-25	1.500	32mm	25	1.968	10-24	1/8-27 NPT	$9,845.00
	SCFT B1750-29	1.750	40mm	29	2.010	1/4-20	1/8-27 NPT	$11,454.00
	SCFT B2000-33	2.000	40mm	33	2.400	1/4-20	1/8-27 NPT	$14,674.00

Prices are subject to change without notice.

New!



Modular Chatter-Free Bars

Coolant Thru

	Designation	D Dia.	d1	C OAL	Min Bore	Head Bolts	Thread	Price
7:1 Ratio	SCFT B25MM-250	25mm	25mm	250mm	1.260	8-32	1/8-27 NPT	$810.00
	SCFT B32MM-320	32mm	32mm	320mm	1.575	10-24	1/8-27 NPT	$905.00
	SCFT B40MM-400	40mm	40mm	400mm	1.968	1/4-20	1/8-27 NPT	$1,055.00
	SCFT B50MM-500	50mm	40mm	500mm	2.400	1/4-20	1/8-27 NPT	$1,282.00
	SCFT B60MM-600	60mm	40mm	600mm	2.830	1/4-20	1/8-27 NPT	$1,744.00
10:1 Ratio	SCFT B25MM-325	25mm	25mm	325mm	1.260	8-32	1/8-27 NPT	$1,625.00
	SCFT B32MM-416	32mm	32mm	416mm	1.575	10-24	1/8-27 NPT	$1,816.00
	SCFT B40MM-520	40mm	40mm	520mm	1.968	1/4-20	1/8-27 NPT	$1,910.00
	SCFT B50MM-650	50mm	40mm	650mm	2.400	1/4-20	1/8-27 NPT	$2,479.00
	SCFT B60MM-780	60mm	40mm	780mm	2.830	1/4-20	1/8-27 NPT	$3,116.00
12:1 Ratio	SCFT B32MM-480	32mm	32mm	480mm	1.260	10-24	1/8-27 NPT	$4,520.00
	SCFT B40MM-600	40mm	40mm	600mm	1.575	1/4-20	1/8-27 NPT	$5,570.00
	SCFT B50MM-750	50mm	40mm	750mm	1.968	1/4-20	1/8-27 NPT	$8,542.00
14:1 Ratio	SCFT B32MM-544	32mm	32mm	544mm	1.260	10-24	1/8-27 NPT	$8,480.00
	SCFT B40MM-680	40mm	40mm	680mm	1.575	1/4-20	1/8-27 NPT	$9,845.00
	SCFT B50MM-850	50mm	40mm	850mm	1.968	1/4-20	1/8-27 NPT	$14,674.00

MADE IN USA

Hardware pg: 164
Inserts pg: 154

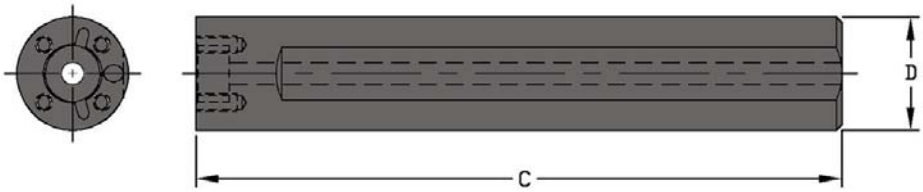
STANDARD Modular “CFT Style” Boring Bars

MADE IN MICHIGAN

B

BORING

In addition to our Chatter-Free bars, we offer a solid carbide or steel alternative with the same connection! These solid bars fit all heads following this page with the ending “**-CFT**” designation.



4:1 Ratio

Steel Shank — Coolant Thru

Designation	D Dia.	C OAL	Min Bore	Head Bolts	Price
A1000-12	1.000	11.5	1.200	8-32	**$160.00**
A1250-14	1.250	14	1.500	10-24	**$207.00**
A1500-14	1.500	14	1.710	10-24	**$229.00**
A1750-16	1.750	16	2.010	1/4-20	**$273.00**
A2000-20	2.000	20	2.400	1/4-20	**$360.00**
A2500-12	2.500	12	2.900	5/16-18	**$412.00**
A2500-24	2.500	24	2.900	5/16-18	**$589.00**

8:1 Ratio

Carbide Shank — Coolant Thru

Designation	D Dia.	C OAL	Min Bore	Head Bolts	Price
E1000-12	1.000	12	1.200	8-32	**$934.00**
E1250-14	1.250	14	1.500	10-24	**$1,629.00**
E1500-14	1.500	14	1.710	10-24	**$1,928.00**
E1750-16	1.750	16	2.010	1/4-20	**$2,892.00**
E2000-20	2.000	20	2.400	1/4-20	**$4,285.00**

Prices are subject to change without notice.

Chatter-Free Head Nomenclature

Type	
MH	Modular Head
SH	Serrated Head

Insert Holding	
D	PULLBACK Clamp
M	Clamp and Lock Pin
S	Screw Lock Only

Insert Clearance Angle	
C	7°
N	0°

Hand of Bar	
R	Right
L	Left

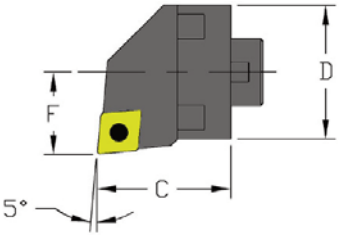
MH 16 S C L C R 3 CFT — Chatter Free Head

Head Diameter	
16	1"
20	1 1/4"
24	1 1/2"
28	1 3/4"
32	2"
40	2 1/2"

Insert Shape	
C	80° Diamond
D	55° Diamond
S	90° Square
T	60° Triangle
V	35° Diamond
W	80° Trigon

Lead Angle	
L	-5°
U	-3°
K	15°
X	5°
F	0°
N	27.5°

Insert Size	
3	3/8" IC
4	1/2" IC
5	5/8" IC
6	3/4" IC



Positive 80° Diamond (-5° Lead)
Coolant Thru

Designation Right Hand	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH16 SCLCR3-CFT	1.000	.790	.625	1.200	CCMT 32.51	MTS-35	T-15	$154.00
MH20 SCLCR3-CFT	1.250	1.250	.765	1.470		MTS-35	T-15	$159.00
MH24 SCLCR3-CFT	1.500	1.250	.890	1.760		MTS-35	T-15	$169.00
MH28 SCLCR3-CFT	1.750	1.250	1.015	2.030		MTS-35	T-15	$189.00
MH24 SCLCR4-CFT	1.500	1.250	.890	1.760	CCMT 432	MTS-4	T-20	$209.00
MH28 SCLCR4-CFT	1.750	1.250	1.015	2.030		MTS-4	T-20	$229.00
MH32 SCLCR4-CFT	2.000	1.625	1.281	2.400		MTS-4	T-20	$209.00
MH40 SCLCR4-CFT	2.500	1.625	1.500	2.800		MTS-4	T-20	$229.00

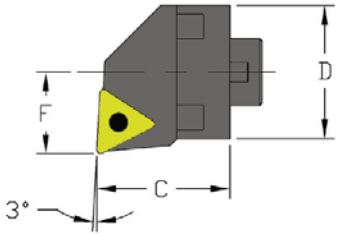
Designation Left Hand	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH16 SCLCL3-CFT	1.000	.790	.625	1.200	CCMT 32.51	MTS-35	T-15	$164.00
MH20 SCLCL3-CFT	1.250	1.250	.765	1.470		MTS-35	T-15	$169.00
MH24 SCLCL3-CFT	1.500	1.250	.890	1.760		MTS-35	T-15	$179.00
MH28 SCLCL3-CFT	1.750	1.250	1.015	2.030		MTS-35	T-15	$199.00
MH32 SCLCL4-CFT	2.000	1.625	1.281	2.400	CCMT 432	MTS-4	T-20	$219.00
MH40 SCLCL4-CFT	2.500	1.625	1.500	2.800		MTS-4	T-20	$239.00

Steel pg: 20 | Hybrid pg: 43 | Carbide pg: 47 | Heavy Metal pg: 63 | Modular pg: 69
Serrated CFT pg: 99

For use with **"STANDARD"** Chatter-Free Bars
pgs **82 - 83, 86**

Hardware pg: 164
Inserts pg: 154

Chatter-Free Boring Heads (Positive)



Positive Triangle (-3° Lead)
Coolant Thru

New!

B

BORING

Designation Right Hand	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH16 STUCR2-CFT	1.000	.790	.625	1.200	TCMT 21.51	MTS-255	T-7	**$154.00**
MH20 STUCR3-CFT	1.250	1.250	.765	1.470	TCMT 32.51	MTS-35	T-15	**$159.00**
MH24 STUCR3-CFT	1.500	1.250	.890	1.760		MTS-35	T-15	**$169.00**
MH28 STUCR3-CFT	1.750	1.250	1.015	2.030		MTS-35	T-15	**$189.00**
MH32 STUCR3-CFT	2.000	1.625	1.281	2.400		MTS-35	T-15	**$209.00**
MH40 STUCR3-CFT	2.500	1.625	1.500	2.800		MTS-35	T-15	**$229.00**

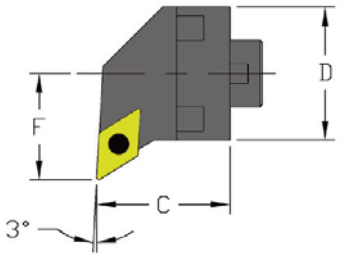
Designation Left Hand	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH16 STUCL2-CFT	1.000	.790	.625	1.200	TCMT 21.51	MTS-255	T-7	**$174.00**
MH20 STUCL3-CFT	1.250	1.250	.765	1.470	TCMT 32.51	MTS-35	T-15	**$179.00**
MH24 STUCL3-CFT	1.500	1.250	.890	1.760		MTS-35	T-15	**$189.00**
MH28 STUCL3-CFT	1.750	1.250	1.015	2.030		MTS-35	T-15	**$209.00**
MH32 STUCL3-CFT	2.000	1.625	1.281	2.400		MTS-35	T-15	**$229.00**
MH40 STUCL3-CFT	2.500	1.625	1.500	2.800		MTS-35	T-15	**$249.00**

Also available in: Steel pg: 25 | Carbide pg: 52 | Heavy Metal pg: 65 | Modular pg: 70

For use with
"STANDARD"
Chatter-Free Bars
pgs **82 - 83, 86**

 Proudly Made in Flushing, MI USA

Prices are subject to change without notice.



Positive 55° Diamond (-3° Lead) Profiling
Coolant Thru

MADE IN USA

Designation Right Hand	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH16 SDUCR3-CFT	1.000	.790	.750	1.300	DCMT 32.51	MTS-35	T-15	**$154.00**
MH20 SDUCR3-CFT	1.250	1.250	1.000	1.675		MTS-35	T-15	**$159.00**
MH24 SDUCR3-CFT	1.500	1.250	1.120	1.920		MTS-35	T-15	**$169.00**
MH28 SDUCR3-CFT	1.750	1.250	1.250	2.175		MTS-35	T-15	**$189.00**
MH32 SDUCR3-CFT	2.000	1.625	1.375	2.425		MTS-35	T-15	**$209.00**
MH40 SDUCR3-CFT	2.500	1.625	1.500	2.800		MTS-35	T-15	**$229.00**

Designation Left Hand	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
MH16 SDUCL3-CFT	1.000	.790	.750	1.300	DCMT 32.51	MTS-35	T-15	**$164.00**
MH20 SDUCL3-CFT	1.250	1.250	1.000	1.675		MTS-35	T-15	**$169.00**
MH24 SDUCL3-CFT	1.500	1.250	1.120	1.920		MTS-35	T-15	**$179.00**
MH28 SDUCL3-CFT	1.750	1.250	1.250	2.175		MTS-35	T-15	**$199.00**
MH32 SDUCL3-CFT	2.000	1.625	1.375	2.425		MTS-35	T-15	**$219.00**
MH40 SDUCL3-CFT	2.500	1.625	1.500	2.800		MTS-35	T-15	**$239.00**

Also available in: Steel pg: 27 | Carbide pg: 54 | Modular pg: 71 | Serrated CFT pg: 100

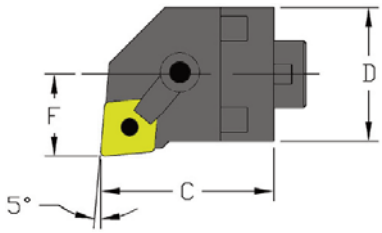
SAME DAY SHIPPING

On orders placed before 3:30pm EST

SEE PAGE 167 for more details

For use with **"STANDARD"** Chatter-Free Bars pgs **82 - 83, 86**

Hardware pg: 164 **Inserts** pg: 154



Negative 80° Diamond (-5° Lead)
Coolant Thru

NEW SIZES!

B

BORING

Designation Right Hand	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH16 MCLNR4-CFT	1.000	1.625	.640	1.200	CNMG 432	--	CL-20	XNS-47	NL-44	**$164.00**
MH20 MCLNR4-CFT	1.250	1.625	.765	1.470		ICSN-433	CL-20	XNS-47	NL-46	**$169.00**
MH24 MCLNR4-CFT	1.500	1.625	.890	1.760		ICSN-433	CL-20	XNS-47	NL-46	**$179.00**
MH28 MCLNR4-CFT	1.750	1.625	1.015	2.010		ICSN-433	CL-20	XNS-47	NL-46	**$184.00**
MH32 MCLNR4-CFT	2.000	1.625	1.281	2.400		ICSN-433	CL-20	XNS-47	NL-46	**$209.00**
MH40 MCLNR4-CFT	2.500	1.625	1.531	2.980		ICSN-433	CL-20	XNS-47	NL-46	**$225.00**
MH24 MCLNR5-CFT	1.500	1.625	.890	1.760	CNMG 543	--	CL-20	XNS-47	NL-56	**$199.00**
MH32 MCLNR5-CFT	2.000	1.625	1.281	2.400		ICSN-533	CL-12	XNS-510	NL-58	**$229.00**
MH40 MCLNR5-CFT	2.500	1.625	1.531	2.980		ICSN-533	CL-12	XNS-510	NL-58	**$245.00**
MH32 MCLNR6-CFT	2.000	1.625	1.281	2.400	CNMG 643	ICSN-633	CL-12	XNS-59	NL-68	**$249.00**
MH40 MCLNR6-CFT	2.500	1.625	1.531	3.030		ICSN-633	CL-12	XNS-59	NL-68	**$265.00**

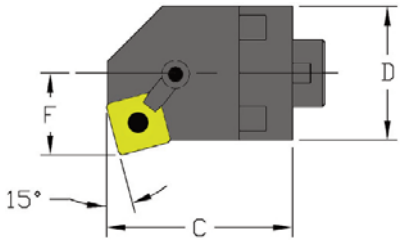
Designation Left Hand	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH16 MCLNL4-CFT	1.000	1.625	.640	1.200	CNMG 432	--	CL-20	XNS-47	NL-44	**$184.00**
MH20 MCLNL4-CFT	1.250	1.625	.765	1.470		ICSN-433	CL-20	XNS-47	NL-46	**$189.00**
MH24 MCLNL4-CFT	1.500	1.625	.890	1.760		ICSN-433	CL-20	XNS-47	NL-46	**$199.00**
MH28 MCLNL4-CFT	1.750	1.625	1.015	2.010		ICSN-433	CL-20	XNS-47	NL-46	**$204.00**
MH32 MCLNL4-CFT	2.000	1.625	1.281	2.400		ICSN-433	CL-20	XNS-47	NL-46	**$229.00**
MH40 MCLNL4-CFT	2.500	1.625	1.531	2.980		ICSN-433	CL-20	XNS-47	NL-46	**$245.00**

Also available in: Steel pg: 30 | Hybrid pg: 43 | Carbide pg: 57 | Modular pg: 73

MADE IN USA

For use with
"STANDARD"
Chatter-Free Bars
pgs **82 - 83, 86**

Prices are subject to change without notice.



Negative Square (15° Lead) Coolant Thru

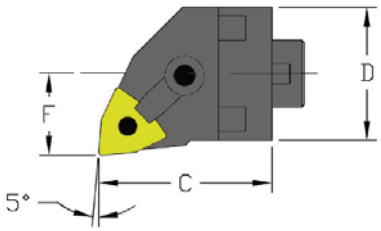
New!

Designation Right Hand	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH20 MSKNR4-CFT	1.250	1.744	.765	1.470	SNMG 432	ISSN-433	CL-20	XNS-47	NL-46	**$169.00**
MH24 MSKNR4-CFT	1.500	1.744	.890	1.760		ISSN-433	CL-20	XNS-47	NL-46	**$179.00**
MH28 MSKNR4-CFT	1.750	1.744	1.015	2.010		ISSN-433	CL-20	XNS-47	NL-46	**$184.00**
MH32 MSKNR4-CFT	2.000	1.744	1.281	2.400		ISSN-433	CL-20	XNS-47	NL-46	**$209.00**
MH40 MSKNR4-CFT	2.500	1.804	1.531	3.030		ISSN-433	CL-20	XNS-47	NL-46	**$225.00**
MH32 MSKNR5-CFT	2.000	1.744	1.281	2.400	SNMG 543	ISSN-533	CL-12	XNS-510	NL-58	**$229.00**
MH40 MSKNR5-CFT	2.500	1.804	1.531	3.030		ISSN-533	CL-12	XNS-510	NL-58	**$245.00**
MH32 MSKNR6-CFT	2.000	1.744	1.281	2.400	SNMG 643	ISSN-633	CL-12	XNS-510	NL-68	**$249.00**
MH40 MSKNR6-CFT	2.500	1.804	1.531	3.030		ISSN-633	CL-12	XNS-510	NL-68	**$265.00**

Designation Left Hand	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH20 MSKNL4-CFT	1.250	1.744	.765	1.470	SNMG 432	ISSN-433	CL-20	XNS-47	NL-46	**$189.00**
MH24 MSKNL4-CFT	1.500	1.744	.890	1.760		ISSN-433	CL-20	XNS-47	NL-46	**$199.00**
MH28 MSKNL4-CFT	1.750	1.744	1.015	2.010		ISSN-433	CL-20	XNS-47	NL-46	**$204.00**
MH32 MSKNL4-CFT	2.000	1.744	1.281	2.400		ISSN-433	CL-20	XNS-47	NL-46	**$229.00**
MH40 MSKNL4-CFT	2.500	1.804	1.531	3.030		ISSN-433	CL-20	XNS-47	NL-46	**$245.00**
MH32 MSKNL5-CFT	2.000	1.744	1.281	2.400	SNMG 543	ISSN-533	CL-12	XNS-510	NL-58	**$249.00**
MH40 MSKNL5-CFT	2.500	1.804	1.531	3.030		ISSN-533	CL-12	XNS-510	NL-58	**$265.00**
MH32 MSKNL6-CFT	2.000	1.744	1.281	2.400	SNMG 643	ISSN-633	CL-12	XNS-510	NL-68	**$269.00**
MH40 MSKNL6-CFT	2.500	1.804	1.531	3.030		ISSN-633	CL-12	XNS-510	NL-68	**$285.00**

Also available in: Modular pg: 74

For use with **"STANDARD"** Chatter-Free Bars pgs **82 - 83, 86**

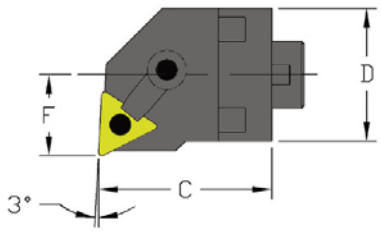


Negative Trigon (-5° Lead) Coolant Thru

Designation Right Hand	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH16 MWLNR4-CFT	1.000	1.625	.640	1.200	WNMG 432	--	CL-20	XNS-47	NL-44	**$164.00**
MH20 MWLNR4-CFT	1.250	1.625	.765	1.470		IWSN-433	CL-20	XNS-47	NL-46	**$169.00**
MH24 MWLNR4-CFT	1.500	1.625	.890	1.760		IWSN-433	CL-20	XNS-47	NL-46	**$179.00**
MH28 MWLNR4-CFT	1.750	1.625	1.015	2.010		IWSN-433	CL-20	XNS-47	NL-46	**$184.00**
MH32 MWLNR4-CFT	2.000	1.625	1.281	2.400		IWSN-433	CL-20	XNS-47	NL-46	**$209.00**
MH40 MWLNR4-CFT	2.500	1.625	1.500	2.980		IWSN-433	CL-20	XNS-47	NL-46	**$225.00**

Designation Left Hand	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH16 MWLNL4-CFT	1.000	1.625	.640	1.200	WNMG 432	--	CL-20	XNS-47	NL-44	**$184.00**
MH20 MWLNL4-CFT	1.250	1.625	.765	1.470		IWSN-433	CL-20	XNS-47	NL-46	**$189.00**
MH24 MWLNL4-CFT	1.500	1.625	.890	1.760		IWSN-433	CL-20	XNS-47	NL-46	**$199.00**
MH28 MWLNL4-CFT	1.750	1.625	1.015	2.010		IWSN-433	CL-20	XNS-47	NL-46	**$204.00**
MH32 MWLNL4-CFT	2.000	1.625	1.281	2.400		IWSN-433	CL-20	XNS-47	NL-46	**$229.00**
MH40 MWLNL4-CFT	2.500	1.625	1.500	2.980		IWSN-433	CL-20	XNS-47	NL-46	**$245.00**

Also available in: Steel pg: 31 | Hybrid pg: 43 | Carbide pg: 57 | Modular pg: 74

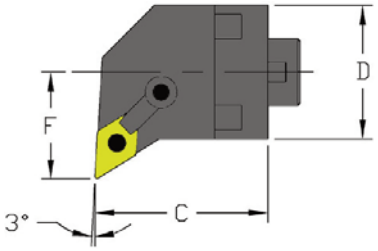


Negative Triangle (-3° Lead) Coolant Thru

Designation Right Hand	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH16 MTUNR3-CFT	1.000	1.625	.640	1.200	TNMG 332	--	CL-7	XNS-36	NL-33L	**$164.00**
MH20 MTUNR3-CFT	1.250	1.625	.765	1.470		ITSN-323	CL-7	XNS-36	NL-34L	**$169.00**
MH24 MTUNR4-CFT	1.500	1.625	.890	1.760	TNMG 432	ITSN-433	CL-20	XNS-47	NL-46	**$179.00**
MH28 MTUNR4-CFT	1.750	1.625	1.015	2.010		ITSN-433	CL-20	XNS-47	NL-46	**$184.00**
MH32 MTUNR4-CFT	2.000	1.625	1.281	2.400		ITSN-433	CL-20	XNS-47	NL-46	**$209.00**
MH40 MTUNR4-CFT	2.500	1.625	1.531	2.900		ITSN-433	CL-20	XNS-47	NL-46	**$225.00**

Also available in: Steel pg: 32 | Modular pg: 75

Prices are subject to change without notice.



Negative 55° Diamond (-3° Lead)
Coolant Thru

Designation Right Hand	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH16 MDUNR3-CFT	1.000	1.625	.750	1.300	DNMG 332	--	CL-7	XNS-36	NL-33L	**$164.00**
MH20 MDUNR3-CFT	1.250	1.625	1.000	1.705		IDSN-322	CL-7	XNS-36	NL-34L	**$169.00**
MH24 MDUNR3-CFT	1.500	1.625	1.125	2.000		IDSN-322	CL-7	XNS-36	NL-34L	**$179.00**
MH28 MDUNR3-CFT	1.750	1.625	1.250	2.250		IDSN-322	CL-7	XNS-36	NL-34L	**$199.00**
MH32 MDUNR3-CFT	2.000	1.625	1.375	2.500		IDSN-322	CL-7	XNS-36	NL-34L	**$219.00**
MH40 MDUNR3-CFT	2.500	1.625	1.500	2.950		IDSN-322	CL-7	XNS-36	NL-34L	**$239.00**
MH20 MDUNR4-CFT	1.250	1.625	1.000	1.705	DNMG 432	IDSN-433	CL-20	XNS-48	NL-46	**$169.00**
MH24 MDUNR4-CFT	1.500	1.625	1.125	2.000		IDSN-433	CL-22	XNS-48	NL-46	**$179.00**
MH28 MDUNR4-CFT	1.750	1.625	1.250	2.250		IDSN-433	CL-22	XNS-48	NL-46	**$199.00**
MH32 MDUNR4-CFT	2.000	1.625	1.375	2.500		IDSN-433	CL-22	XNS-48	NL-46	**$219.00**
MH40 MDUNR4-CFT	2.500	1.625	1.500	2.950		IDSN-433	CL-22	XNS-48	NL-46	**$239.00**

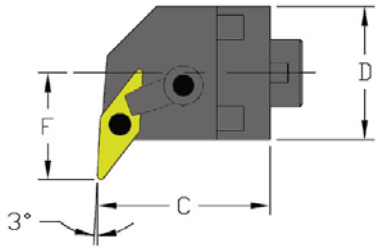
Designation Left Hand	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH16 MDUNL3-CFT	1.000	1.625	.750	1.300	DNMG 332	--	CL-7	XNS-36	NL-33L	**$184.00**
MH20 MDUNL3-CFT	1.250	1.625	1.000	1.705		IDSN-322	CL-7	XNS-36	NL-34L	**$189.00**
MH24 MDUNL3-CFT	1.500	1.625	1.125	2.000		IDSN-322	CL-7	XNS-36	NL-34L	**$199.00**
MH28 MDUNL3-CFT	1.750	1.625	1.250	2.250		IDSN-322	CL-7	XNS-36	NL-34L	**$219.00**
MH32 MDUNL3-CFT	2.000	1.625	1.375	2.500		IDSN-322	CL-7	XNS-36	NL-34L	**$239.00**
MH40 MDUNL3-CFT	2.500	1.625	1.500	2.950		IDSN-322	CL-7	XNS-36	NL-34L	**$259.00**
MH20 MDUNL4-CFT	1.250	1.625	1.000	1.705	DNMG 432	IDSN-433	CL-20	XNS-48	NL-46	**$189.00**
MH24 MDUNL4-CFT	1.500	1.625	1.125	2.000		IDSN-433	CL-22	XNS-48	NL-46	**$199.00**
MH28 MDUNL4-CFT	1.750	1.625	1.250	2.250		IDSN-433	CL-22	XNS-48	NL-46	**$219.00**
MH32 MDUNL4-CFT	2.000	1.625	1.375	2.500		IDSN-433	CL-22	XNS-48	NL-46	**$239.00**
MH40 MDUNL4-CFT	2.500	1.625	1.500	2.950		IDSN-433	CL-22	XNS-48	NL-46	**$259.00**

Also available in: Steel pg: 33 | Modular pg: 76

MADE IN USA

For use with "STANDARD" Chatter-Free Bars pgs **82 - 83, 86**

Hardware pg: 164
Inserts pg: 154



Negative 35° Diamond (-3° Lead)
Coolant Thru

Designation Right Hand	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH16 MVUNR3-CFT	1.000	1.625	.875	1.435	VNMG 332	IVSN-322	CL-20	XNS-47	NL-34L	**$164.00**
MH20 MVUNR3-CFT	1.250	1.625	1.000	1.705		IVSN-322	CL-20	XNS-47	NL-34L	**$169.00**
MH24 MVUNR3-CFT	1.500	1.625	1.125	2.000		IVSN-322	CL-20	XNS-47	NL-34L	**$179.00**
MH28 MVUNR3-CFT	1.750	1.625	1.250	2.250		IVSN-322	CL-20	XNS-47	NL-34L	**$199.00**
MH32 MVUNR3-CFT	2.000	1.625	1.375	2.500		IVSN-322	CL-20	XNS-47	NL-34L	**$219.00**
MH40 MVUNR3-CFT	2.500	1.625	1.750	3.250		IVSN-322	CL-20	XNS-47	NL-34L	**$239.00**
MH40 MVUNR4-CFT	2.500	1.625	1.750	3.250	VNMG 432	IVSN-432	CL-22	XNS-48	NL-46	**$239.00**

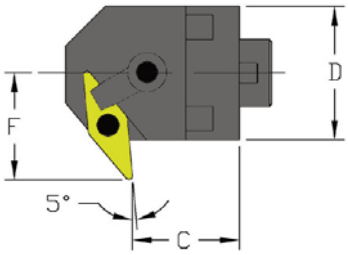
Designation Left Hand	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH16 MVUNL3-CFT	1.000	1.625	.875	1.435	VNMG 332	IVSN-322	CL-20	XNS-47	NL-34L	**$184.00**
MH20 MVUNL3-CFT	1.250	1.625	1.000	1.705		IVSN-322	CL-20	XNS-47	NL-34L	**$189.00**
MH24 MVUNL3-CFT	1.500	1.625	1.125	2.000		IVSN-322	CL-20	XNS-47	NL-34L	**$199.00**
MH28 MVUNL3-CFT	1.750	1.625	1.250	2.250		IVSN-322	CL-20	XNS-47	NL-34L	**$219.00**
MH32 MVUNL3-CFT	2.000	1.625	1.375	2.500		IVSN-322	CL-20	XNS-47	NL-34L	**$239.00**
MH40 MVUNL3-CFT	2.500	1.625	1.750	3.250		IVSN-322	CL-20	XNS-47	NL-34L	**$259.00**
MH40 MVUNL4-CFT	2.500	1.625	1.750	3.250	VNMG 432	IVSN-432	CL-22	XNS-48	NL-46	**$259.00**

Also available in: Steel pg: 32 | Modular pg: 77

MADE IN USA

For use with
"STANDARD"
Chatter-Free Bars
pgs **82 - 83, 86**

Prices are subject to change without notice.

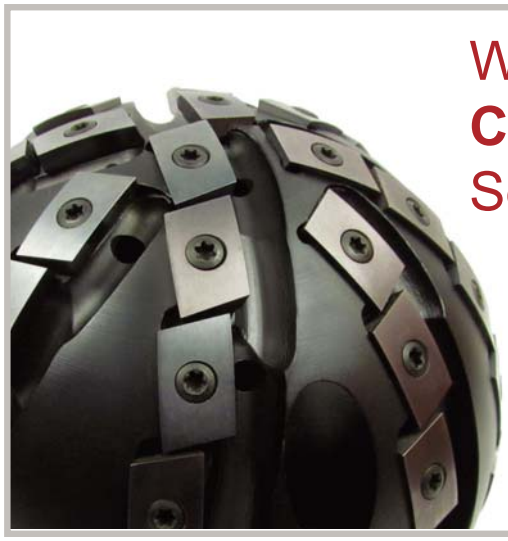


Negative 35° Diamond (5° Lead) Back Facing
Coolant Thru

New!

Designation Right Hand	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH16 MVXNR3-CFT	1.000	.940	.875	1.435	VNMG 332	IVSN-322	CL-20	XNS-47	NL-34L	**$174.00**
MH20 MVXNR3-CFT	1.250	1.000	1.000	1.705		IVSN-322	CL-20	XNS-47	NL-34L	**$179.00**
MH24 MVXNR3-CFT	1.500	1.120	1.125	2.000		IVSN-322	CL-20	XNS-47	NL-34L	**$189.00**
MH28 MVXNR3-CFT	1.750	1.120	1.250	2.250		IVSN-322	CL-20	XNS-47	NL-34L	**$194.00**
MH32 MVXNR3-CFT	2.000	1.120	1.375	2.500		IVSN-322	CL-20	XNS-47	NL-34L	**$219.00**
MH40 MVXNR3-CFT	2.500	1.120	1.750	3.250		IVSN-322	CL-20	XNS-47	NL-34L	**$239.00**

Designation Left Hand	D Dia.	C OAL	F	Min Bore	Insert	Shim	Clamp	Clamp Screw	Lock Pin	Price
MH16 MVXNL3-CFT	1.000	.940	.875	1.435	VNMG 332	IVSN-322	CL-20	XNS-47	NL-34L	**$194.00**
MH20 MVXNL3-CFT	1.250	1.000	1.000	1.705		IVSN-322	CL-20	XNS-47	NL-34L	**$199.00**
MH24 MVXNL3-CFT	1.500	1.120	1.125	2.000		IVSN-322	CL-20	XNS-47	NL-34L	**$209.00**
MH28 MVXNL3-CFT	1.750	1.120	1.250	2.250		IVSN-322	CL-20	XNS-47	NL-34L	**$214.00**
MH32 MVXNL3-CFT	2.000	1.120	1.375	2.500		IVSN-322	CL-20	XNS-47	NL-34L	**$239.00**
MH40 MVXNL3-CFT	2.500	1.120	1.750	3.250		IVSN-322	CL-20	XNS-47	NL-34L	**$259.00**



WE DO
CUSTOM DESIGN & BUILDS
See **pg 166** for more details

ULTRA-DEX TOOLING SYSTEMS

CELEBRATING 25 YEARS

For use with
"STANDARD"
Chatter-Free Bars
pgs **82 - 83, 86**

Hardware pg: 164
Inserts pg: 154

B

BORING

Threading / Grooving
Chatter-Free Head Nomenclature

MH 16 LS E R 3 CFT — Chatter-Free Head

Type	
MH	Modular Head

Insert Style	
LS	Lay Down Screw Lock
N	Top Notch Clamp
V	V-Bottom
M	On Edge

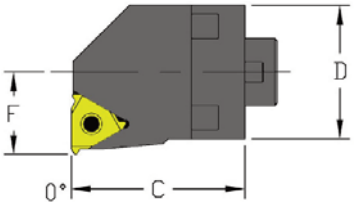
Hand of Bar	
R	Right
L	Left

Head Diameter	
16	1”
20	1 1/4”
24	1 1/2”
28	1 3/4”
32	2”
40	2 1/2”

Insert Lead Angle	
E	End Cutting End Mount

Insert Size	
Lay Down	
3	3/8” IC
4	1/2” IC
5	5/8” IC

Top Notch	
2	.150” Thick
3	.195” Thick
4	.255” Thick
6	.383” Thick



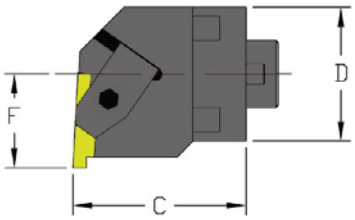
Threading / Grooving
Laydown
Coolant Thru

Designation Right Hand	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Anvil Screw	Anvil	Price
MH16 LSER3-CFT	1.000	1.625	.650	1.200	3IR	SA3T	SY3T	YI3	$174.00
MH20 LSER3-CFT	1.250	1.625	.770	1.450		SA3T	SY3T	YI3	$179.00
MH24 LSER3-CFT	1.500	1.625	.900	1.650		SA3T	SY3T	YI3	$188.00
MH28 LSER3-CFT	1.750	1.625	1.090	2.020		SA3T	SY3T	YI3	$202.00
MH32 LSER3-CFT	2.000	1.625	1.281	2.400		SA3T	SY3T	YI3	$224.00
MH24 LSER4-CFT	1.500	1.625	.978	1.782	4IR	SA4T	SY4T	YI4	$188.00
MH28 LSER4-CFT	1.750	1.625	1.090	2.020		SA4T	SY4T	YI4	$202.00
MH32 LSER4-CFT	2.000	1.625	1.281	2.400		SA4T	SY4T	YI4	$224.00
MH32 LSER5-CFT	2.000	1.625	1.281	2.400	5IR	SA5T	SY5T	YI5	$224.00
MH40 LSER5-CFT	2.500	1.625	1.530	2.800		SA5T	SY5T	YI5	$244.00

Designation Left Hand	D Dia.	C OAL	F	Min Bore	Insert	Insert Screw	Anvil Screw	Anvil	Price
MH16 LSEL3-CFT	1.000	1.625	.650	1.200	3IL	SA3T	SY3T	YE3	$194.00
MH20 LSEL3-CFT	1.250	1.625	.770	1.450		SA3T	SY3T	YE3	$199.00
MH24 LSEL3-CFT	1.500	1.625	.900	1.650		SA3T	SY3T	YE3	$208.00
MH28 LSEL3-CFT	1.750	1.625	1.090	2.020		SA3T	SY3T	YE3	$222.00
MH32 LSEL3-CFT	2.000	1.625	1.281	2.400		SA3T	SY3T	YE3	$244.00
MH24 LSEL4-CFT	1.500	1.625	.978	1.782	4IL	SA4T	SY4T	YE4	$208.00
MH28 LSEL4-CFT	1.750	1.625	1.090	2.020		SA4T	SY4T	YE4	$222.00
MH32 LSEL4-CFT	2.000	1.625	1.281	2.400		SA4T	SY4T	YE4	$244.00
MH32 LSEL5-CFT	2.000	1.625	1.281	2.400	5IL	SA5T	SY5T	YE5	$244.00
MH40 LSEL5-CFT	2.500	1.625	1.530	2.800		SA5T	SY5T	YE5	$264.00

Also available in: Steel pg: 34 | Carbide pg: 58 | Modular pg: 78

Prices are subject to change without notice.



Threading / Grooving
Top Notch
Coolant Thru

Designation Right Hand	D Dia.	C OAL	F	Min Bore	Insert	Clamp	Screw	Price
MH20 NER3-CFT	1.250	1.625	.875	1.750	NG 3L	CM-73	10-32	**$169.00**
MH24 NER3-CFT	1.500	1.625	1.000	2.000		CM-73	10-32	**$178.00**
MH28 NER3-CFT	1.750	1.625	1.125	2.250		CM-73	10-32	**$192.00**
MH32 NER3-CFT	2.000	1.625	1.250	2.410		CM-73	10-32	**$214.00**
MH28 NER4-CFT	1.750	1.625	1.375	2.500	NG 4L	CM-73	10-32	**$192.00**
MH32 NER4-CFT	2.000	1.625	1.375	2.750		CM-73	10-32	**$214.00**
MH40 NER4-CFT	2.500	1.625	1.625	3.250		CM-73	10-32	**$229.00**
MH28 NER6-CFT	1.750	1.625	1.250	2.500	NG 6L	CM-121	10-32	**$192.00**
MH32 NER6-CFT	2.000	1.625	1.375	2.750		CM-121	10-32	**$214.00**
MH40 NER6-CFT	2.500	1.625	1.625	3.250		CM-121	10-32	**$229.00**

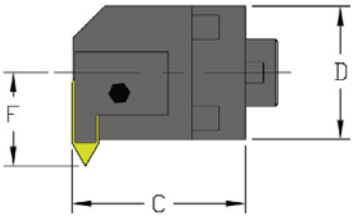
Designation Left Hand	D Dia.	C OAL	F	Min Bore	Insert	Clamp	Screw	Price
MH20 NEL3-CFT	1.250	1.625	.875	1.750	NG 3R	CM-72	10-32	**$189.00**
MH24 NEL3-CFT	1.500	1.625	1.000	2.000		CM-72	10-32	**$198.00**
MH28 NEL3-CFT	1.750	1.625	1.125	2.250		CM-72	10-32	**$212.00**
MH32 NEL3-CFT	2.000	1.625	1.375	2.410		CM-72	10-32	**$234.00**
MH28 NEL4-CFT	1.750	1.625	1.375	2.500	NG 4R	CM-72	10-32	**$212.00**
MH32 NEL4-CFT	2.000	1.625	1.375	2.750		CM-72	10-32	**$234.00**
MH40 NEL4-CFT	2.500	1.625	1.625	3.250		CM-72	10-32	**$249.00**
MH28 NEL6-CFT	1.750	1.625	1.250	2.500	NG 6R	CM-120	10-32	**$212.00**
MH32 NEL6-CFT	2.000	1.625	1.375	2.750		CM-120	10-32	**$234.00**
MH40 NEL6-CFT	2.500	1.625	1.625	3.250		CM-120	10-32	**$249.00**

Also available in: Steel pg: 34 | Carbide pg: 58 | Modular pg: 78

MADE IN USA

For use with
"STANDARD"
Chatter-Free Bars
pgs **82 - 83, 86**

Hardware pg: 164
Inserts pg: 154

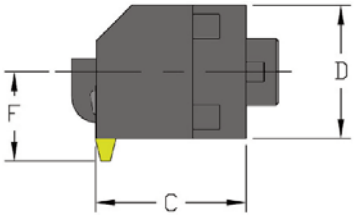


Threading / Grooving
V-Bottom
Coolant Thru

MADE IN USA

Designation Right Hand	D Dia.	C OAL	F	Min Bore	Insert	Clamp	Screw	Price
MH16 VE84R-CFT	1.000	1.625	.687	1.187	VE84	CL-85	MTS 526	**$204.00**
MH20 VE84R-CFT	1.250	1.625	.875	1.187		CL-85	MTS 526	**$209.00**
MH24 VE84R-CFT	1.500	1.625	1.000	1.750		CL-85	MTS 526	**$219.00**
MH24 VE85R-CFT	1.500	1.625	1.000	1.750	VE85	CL-85	MTS 526	**$219.00**

Designation Left Hand	D Dia.	C OAL	F	Min Bore	Insert	Clamp	Screw	Price
MH16 VE84L-CFT	1.000	1.625	.687	1.187	VE84	CL-84	MTS 526	**$227.00**
MH20 VE84L-CFT	1.250	1.625	.875	1.187		CL-84	MTS 526	**$234.00**
MH24 VE84L-CFT	1.500	1.625	1.000	1.750		CL-84	MTS 526	**$243.00**
MH24 VE85L-CFT	1.500	1.625	1.000	1.750	VE85	CL-84	MTS 526	**$243.00**



Threading / Grooving
On Edge
Coolant Thru

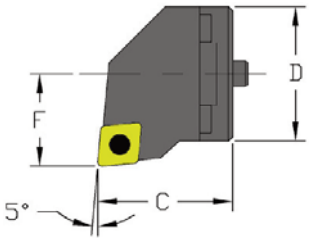
Designation Right Hand	D Dia.	C OAL	F	Min Bore	Insert	Clamp	Screw	Pin	Price
MH24 MTHOR4-CFT	1.500	1.625	1.173	2.625	TNMA 43	CL-7	XNS-36	NL-44	**$178.00**
MH28 MTHOR4-CFT	1.750	1.625	1.298	2.875		CL-7	XNS-36	NL-44	**$192.00**
MH32 MTHOR4-CFT	2.000	1.625	1.423	2.875		CL-7	XNS-36	NL-44	**$214.00**

Designation Left Hand	D Dia.	C OAL	F	Min Bore	Insert	Clamp	Screw	Pin	Price
MH24 MTHOL4-CFT	1.500	1.625	1.173	2.625	TNMA 43	CL-7	XNS-36	NL-44	**$198.00**
MH28 MTHOL4-CFT	1.750	1.625	1.298	2.875		CL-7	XNS-36	NL-44	**$212.00**
MH32 MTHOL4-CFT	2.000	1.625	1.423	2.875		CL-7	XNS-36	NL-44	**$234.00**

For use with
"STANDARD"
Chatter-Free Bars
pgs **82 - 83, 86**

Prices are subject to change without notice.

New!

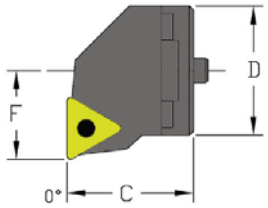


Positive 80° Diamond (-5° Lead) Coolant Thru

Designation Right Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
SH16 SCLCR3	.984	25mm	.787	.669	1.260	CCMT 32.52	MTS-35	T-15	**$193.00**
SH20 SCLCR3	1.260	32mm	1.260	.866	1.575		MTS-35	T-15	**$199.00**
SH24 SCLCR4	1.575	40mm	1.496	1.063	1.968	CCMT 432	MTS-4	T-20	**$261.00**

Designation Left Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
SH16 SCLCL3	.984	25mm	.787	.669	1.260	CCMT 32.52	MTS-35	T-15	**$193.00**
SH20 SCLCL3	1.260	32mm	1.260	.866	1.575		MTS-35	T-15	**$199.00**
SH24 SCLCL4	1.575	40mm	1.496	1.063	1.968	CCMT 432	MTS-4	T-20	**$261.00**

Steel pg: 20 | Hybrid pg: 43 | Carbide pg: 47 | Heavy Metal pg: 63 | Modular pg: 69
Standard CFT pg: 87



Positive Triangle (0° Lead) Coolant Thru

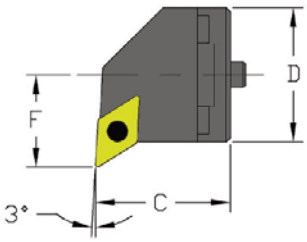
Designation Right Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
SH16 STFCR2	.984	25mm	.787	.669	1.260	TCMT 21.51	MTS-255	T-7	**$201.00**
SH20 STFCR3	1.260	32mm	1.260	.866	1.575	TCMT 32.52	MTS-35	T-15	**$213.00**
SH24 STFCR3	1.575	40mm	1.496	1.063	1.968		MTS-35	T-15	**$223.00**

Designation Left Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
SH16 STFCL2	.984	25mm	.787	.669	1.260	TCMT 21.51	MTS-255	T-7	**$201.00**
SH20 STFCL3	1.260	32mm	1.260	.866	1.575	TCMT 32.52	MTS-35	T-15	**$213.00**
SH24 STFCL3	1.575	40mm	1.496	1.063	1.968		MTS-35	T-15	**$223.00**

Also available in: Steel pg: 26 | Carbide pg: 53

For use with "**SERRATED**" Chatter-Free Bars
pgs **84 - 85**

New!

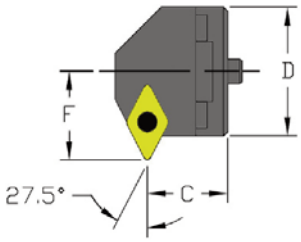


Positive 55° Diamond (-3° Lead) Profiling
Coolant Thru

Designation Right Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
SH16 SDUCR3	.984	25mm	.787	.669	1.260	DCMT 32.52	MTS-35	T-15	**$193.00**
SH20 SDUCR3	1.260	32mm	1.260	.866	1.575		MTS-35	T-15	**$198.00**
SH24 SDUCR3	1.575	40mm	1.496	1.063	1.968		MTS-35	T-15	**$211.00**

Designation Left Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
SH16 SDUCL3	.984	25mm	.787	.669	1.260	DCMT 32.52	MTS-35	T-15	**$193.00**
SH20 SDUCL3	1.260	32mm	1.260	.866	1.575		MTS-35	T-15	**$198.00**
SH24 SDUCL3	1.575	40mm	1.496	1.063	1.968		MTS-35	T-15	**$211.00**

Also available in: Steel pg: 27 | Carbide pg: 54 | Modular pg: 71 | Standard CFT pg: 89



Positive 55° Diamond (27.5° Lead)
Coolant Thru

Designation Right Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
SH16 SDNCR2	.984	25mm	.591	.709	1.299	DCMT 21.51	MTS-255	T-7	**$193.00**
SH20 SDNCR3	1.260	32mm	.787	.866	1.575	DCMT 32.52	MTS-35	T-15	**$198.00**
SH24 SDNCR3	1.575	40mm	.787	1.063	1.968		MTS-35	T-15	**$211.00**

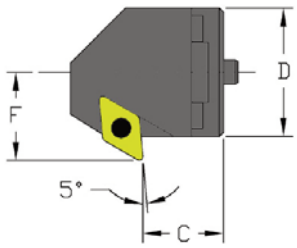
Designation Left Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
SH16 SDNCL2	.984	25mm	.591	.709	1.299	DCMT 21.51	MTS-255	T-7	**$193.00**
SH20 SDNCL3	1.260	32mm	.787	.866	1.575	DCMT 32.52	MTS-35	T-15	**$198.00**
SH24 SDNCL3	1.575	40mm	.787	1.063	1.968		MTS-35	T-15	**$211.00**

Also available in: Steel pg: 28 | Carbide pg: 55 | Modular pg: 71

For use with
"SERRATED"
Chatter-Free Bars
pgs **84 - 85**

Prices are subject to change without notice.

SERRATED Chatter-Free Boring Heads (Back Facing)



New!

Positive 55° Diamond (5° Lead) Back Facing
Coolant Thru

Designation Right Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
SH16 SDXCR2	.984	25mm	.591	.709	1.299	DCMT 21.51	MTS-255	T-7	**$193.00**
SH20 SDXCR3	1.260	32mm	.787	.866	1.575	DCMT 32.52	MTS-35	T-15	**$198.00**
SH24 SDXCR3	1.575	40mm	.787	1.063	1.968		MTS-35	T-15	**$211.00**

Designation Left Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Insert Screw	Key	Price
SH16 SDXCL2	.984	25mm	.591	.709	1.299	DCMT 21.51	MTS-255	T-7	**$193.00**
SH20 SDXCL3	1.260	32mm	.787	.866	1.575	DCMT 32.52	MTS-35	T-15	**$198.00**
SH24 SDXCL3	1.575	40mm	.787	1.063	1.968		MTS-35	T-15	**$211.00**

Also available in: Steel pg: 29 | Carbide pg: 56 | Modular pg: 72

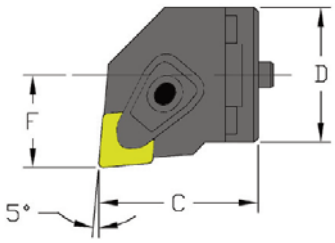
MADE IN USA

Proudly made in this 36,000 sq. ft. facility located in Flushing, Michigan

For use with "SERRATED" Chatter-Free Bars
pgs **84 - 85**

Hardware pg: 164
Inserts pg: 154

New!

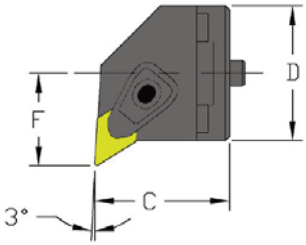


PULLBACK Clamp
Negative 80° Diamond
(-5° Lead)
Coolant Thru

Designation Right Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Shim Seat	Shim Screw	Clamp Assy.	Price
SH20 DCLNR4	1.260	32mm	1.496	.866	1.575	CNMG 432	ICSN-433	PB4-SS	PB4-CA	**$244.00**
SH24 DCLNR4	1.575	40mm	1.496	1.063	1.968		ICSN-433	PB4-SS	PB4-CA	**$254.00**

Designation Left Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Shim Seat	Shim Screw	Clamp Assy.	Price
SH20 DCLNL4	1.260	32mm	1.496	.866	1.575	CNMG 432	ICSN-433	PB4-SS	PB4-CA	**$244.00**
SH24 DCLNL4	1.575	40mm	1.496	1.063	1.968		ICSN-433	PB4-SS	PB4-CA	**$254.00**

Also available in: Steel pg: 41 | Carbide pg: 41 | Modular pg: 79



PULLBACK Clamp
Negative 55° Diamond
(-3° Lead)
Coolant Thru

Designation Right Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Shim Seat	Shim Screw	Clamp Assy.	Price
SH20 DDUNR3	1.260	32mm	1.260	.866	1.575	DNMG 332	IDSN-322	PB3-SS	PB3-CA	**$244.00**
SH24 DDUNR4	1.575	40mm	1.260	1.063	1.968	DNMG 432	IDSN-433	PB4-SS	PB4-CA	**$254.00**

Designation Left Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Shim Seat	Shim Screw	Clamp Assy.	Price
SH20 DDUNL3	1.260	32mm	1.260	.866	1.575	DNMG 332	IDSN-322	PB3-SS	PB3-CA	**$244.00**
SH24 DDUNL4	1.575	40mm	1.260	1.063	1.968	DNMG 432	IDSN-433	PB4-SS	PB4-CA	**$254.00**

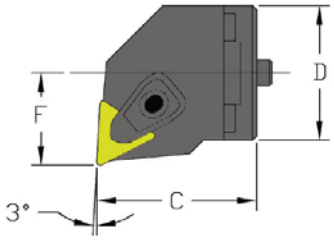
Also available in: Steel pg: 41 | Carbide pg: 41 | Modular pg: 79

MADE IN USA

For use with
"SERRATED"
Chatter-Free Bars
pgs **84 - 85**

Prices are subject to change without notice.

New!

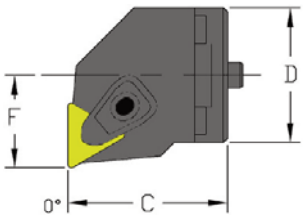


PULLBACK Clamp
Negative Triangle
(-3° Lead)
Coolant Thru

Designation Right Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Shim Seat	Shim Screw	Clamp Assy.	Price
SH20 DTUNR3	1.260	32mm	1.496	.866	1.575	TNMG 332	ITSN-323	PB3-SS	PB3-CA	**$244.00**
SH24 DTUNR3	1.575	40mm	1.496	1.063	1.968		ITSN-323	PB3-SS	PB3-CA	**$254.00**

Designation Left Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Shim Seat	Shim Screw	Clamp Assy.	Price
SH20 DTUNL3	1.260	32mm	1.496	.866	1.575	TNMG 332	ITSN-323	PB3-SS	PB3-CA	**$244.00**
SH24 DTUNL3	1.575	40mm	1.496	1.063	1.968		ITSN-323	PB3-SS	PB3-CA	**$254.00**

Also available in: Steel pg: 41 | Carbide pg: 41 | Modular pg: 79



PULLBACK Clamp
Negative Triangle
(0° Lead)
Coolant Thru

Designation Right Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Shim Seat	Shim Screw	Clamp Assy.	Price
SH20 DTFNR3	1.260	32mm	1.496	.866	1.575	TNMG 332	ITSN-323	PB3-SS	PB3-CA	**$244.00**
SH24 DTFNR3	1.575	40mm	1.496	1.063	1.968		ITSN-323	PB3-SS	PB3-CA	**$254.00**

Designation Left Hand	D Dia.	Coupling Size	C OAL	F	Min Bore	Insert	Shim Seat	Shim Screw	Clamp Assy.	Price
SH20 DTFNL3	1.260	32mm	1.496	.866	1.575	TNMG 332	ITSN-323	PB3-SS	PB3-CA	**$244.00**
SH24 DTFNL3	1.575	40mm	1.496	1.063	1.968		ITSN-323	PB3-SS	PB3-CA	**$254.00**

PULLBACKs Also Available In:

STEEL pg **41**
CARBIDE pg **41**
MODULAR pg **79**

For use with **"SERRATED"** Chatter-Free Bars pgs **84 - 85**

Hardware pg: 164
Inserts pg: 154

ULTRA-DEX USA

New!

ULTRA-ADJUST
BORING BARS

B

BORING

Bore Diameters from .750” - 2.625”

- **Precision Adjustments!**
Featuring a graduated adjustment dial in every unit. With each graduation representing .0005” of adjustment per side.

- **Indexable Cartridges Available in:**
80° Diamond and Triangle Inserts

- **Machine Connection Available in:**
CAT40/50, Straight Shank and R8

We Do...

ULTRA-ADJUST Special Orders for any size, any shank type!

Contact your local distributor for pricing.

ULTRA-ADJUST Nomenclature

New!

Holder	
SS	Straight-Shank
CT40	CAT40 Holder
R8	R8 Holder

Shank Diameter	
075	.750” (3/4”)
100	1.000” (1”)
125	1.250” (1 1/4”)
150	1.500” (1 1/2”)

Boring Bar

SS 100 UA - A - 950 - 1000

Ultra-Adjust

Cartridge Size	
2	#2 Cartridge
2L	#2 Long Cartridge
A	A Cartridge
AL	A Long Cartridge
C	C Cartridge

Projection	
650	6.5”
800	8.0”
850	8.5”
950	9.5”

Min Bore	
075	.750”
1000	1.000”
1187	1.187”
1375	1.375”
1562	1.562”
1750	1.750”
1843	1.843”
1875	1.875”
2063	2.063”
2250	2.250”
2437	2.437”

ULTRA-ADJUST Unit

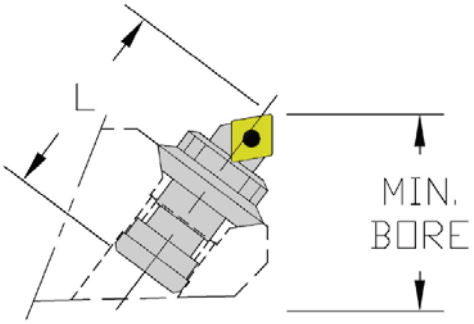
UA U 2L

Ultra-Adjust

Unit

Cartridge Size	
2	#2 Cartridge
2L	#2 Long Cartridge
A	A Cartridge
AL	A Long Cartridge
C	C Cartridge

New!



Positive 80° Diamond (0° Lead) Ultra-Adjust Unit

Designation	Cartridge Size	Min Bore	Cartridge	Insert	Insert Screw	Price
UAU2	2	.750	CA2 SCFDR1.2	CDHB 1.20.60	MTS-182	$95.00
UAU2L	2L	.880	CA2L SCFDR1.2		MTS-182	$95.00

Unit / Cartridge Sold Seperately

More NEW Products!

Shrink-Fit Heat Machines **pg 153**

SERRATED Chatter-Free

Bars **pg 84**
Heads **pg 99**

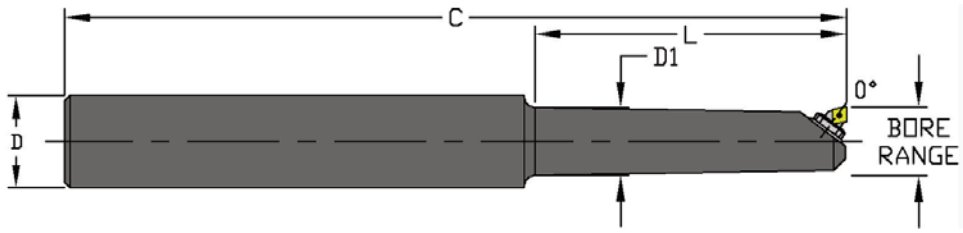
METRIC Shrink-Fit Holders **pgs 139, 145**

CAT Holder Blanks **pgs 128, 134**
HSK Holder Blanks **pgs 140, 143**

SQUARE Turning Tools **pg 04**

Series STYLE Boring Bars
pgs 21, 23, 38, 39, 47, 48, 51, 59

Prices are subject to change without notice.

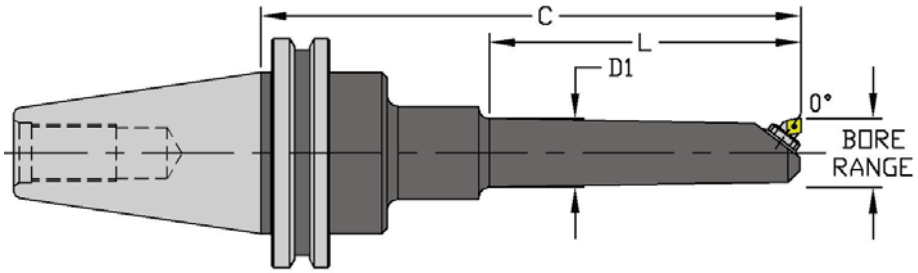


New!

Positive 80° Diamond (0° Lead) Straight Shank Boring Bar

Designation	Cartridge Size	Bore Range Min / Max	D Shank Dia.	D1 Bar Dia.	C OAL	L Cutting Depth	Price
SS075UA-2-650-075	2	.750 - .900	.750	.740	6.5	2.5	$95.00
	2L	.880 - 1.060	.750	.740	6.5	2.5	
SS100UA-2-850-075	2	.750 - .900	1.000	.740	8.5	3.375	$109.00
	2L	.880 - 1.060	1.000	.740	8.5	3.375	

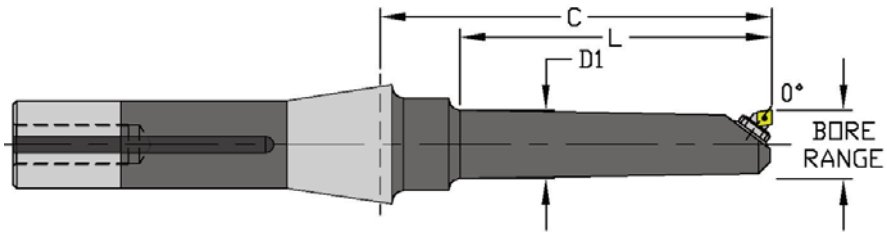
Unit / Cartridge Sold Seperately



Positive 80° Diamond (0° Lead) CAT40 Boring Bar

Designation	Cartridge Size	Bore Range Min / Max	D1 Bar Dia.	C Projection	L Cutting Depth	Price
CT40UA-2-850-075	2	.750 - .900	.740	5.875	3.375	$298.00
	2L	.880 - 1.060	.740	5.875	3.375	

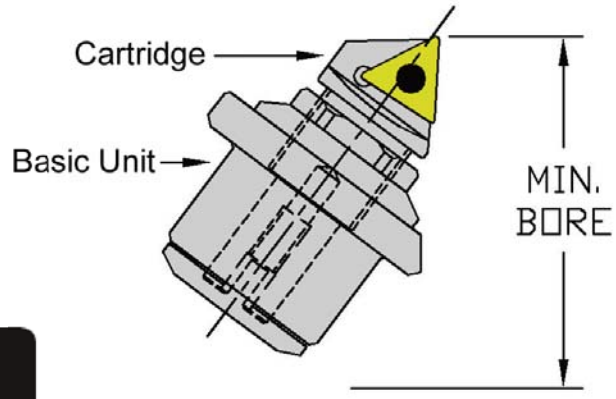
Unit / Cartridge Sold Seperately

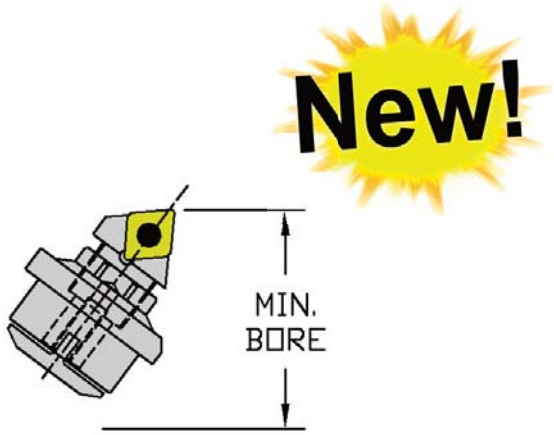


Positive 80° Diamond (0° Lead) R8 Boring Bar

Designation	Cartridge Size	Bore Range Min / Max	D1 Bar Dia.	L Cutting Depth	Price
R8UA-2-850-075	2	.750 - .900	.740	5.875	$239.00
	2L	.880 - 1.060	.740	5.875	

Unit / Cartridge Sold Seperately





Basic Unit

Designation	Cartridge Size	Min Bore	Price
UAUA	A / AL	1.000	**$136.00**
UAUC	C	1.875	**$164.00**

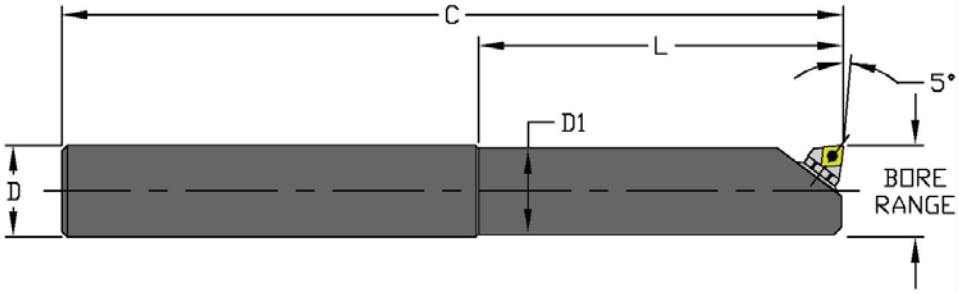
Unit / Cartridge Sold Seperately

Cartridge

Designation	Cartridge Size	Min Bore	Insert	Insert Screw	Price
CAA-SCLPR1.8	A	1.000	CPMT 1.81.21	MTS-224	**$122.00**
CAAL-SCLPR1.8	AL	1.092		MTS-224	**$122.00**
CAC-STUPR2	C	1.875	TPMT 21.51	MTS-255	**$156.00**

Unit / Cartridge Sold Seperately

Prices are subject to change without notice.

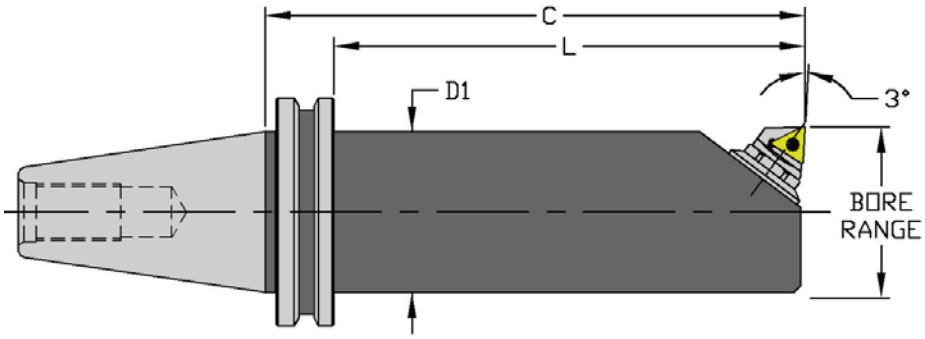


New!

Positive 80° Diamond (-5° Lead) Straight Shank Boring Bar

Designation	Cartridge Size	Bore Range Min / Max	D Shank Dia.	D1 Bar Dia.	C OAL	L Cutting Depth	Price
SS100UA-A-950-1000	A	1.000 - 1.092	1.000	.938	9.5	4.5	$189.00
	AL	1.092 - 1.187	1.000	.938	9.5	4.5	
SS125UA-A-950-1187	A	1.187 - 1.279	1.250	1.122	9.5	4.5	$198.00
	AL	1.279 - 1.375	1.250	1.122	9.5	4.5	
SS125UA-A-950-1375	A	1.375 - 1.467	1.250	1.313	9.5	4.5	$198.00
	AL	1.467 - 1.562	1.250	1.313	9.5	4.5	
SS125UA-A-950-1562	A	1.562 - 1.654	1.500	1.490	9.5	4.5	$219.00
	AL	1.654 - 1.750	1.500	1.490	9.5	4.5	
SS125UA-A-950-1750	A	1.750 - 1.842	1.500	1.688	9.5	4.5	$239.00
	AL	1.842 - 1.934	1.500	1.688	9.5	4.5	
SS125UA-A-950-1843	A	1.843 - 1.935	1.500	1.781	9.5	4.5	$259.00

Unit / Cartridge Sold Seperately



Positive Triangle (-3° Lead) CAT40 Boring Bar

Designation	Cartridge Size	Bore Range Min / Max	D1 Bar Dia.	C Projection	L Cutting Depth	Price
CT40UA-C-800-1875	C	1.875 - 2.063	1.750	8.000	7.000	$379.00
CT40UA-C-800-2063	C	2.063 - 2.250	1.938	8.000	7.000	$379.00
CT40UA-C-800-2250	C	2.250 - 2.437	2.125	8.000	7.000	$379.00
CT40UA-C-800-2437	C	2.437 - 2.625	2.312	8.000	7.000	$379.00

Unit / Cartridge Sold Seperately

Hardware pg: 164

Inserts pg: 154

MILLING
INDEXABLE CUTTERS

Cutting Conditions

APKT 11T308

Depth of cut ↑

AP (inch)	Feed Per Tooth (inch) Light	Medium	Heavy
.315	.0028	.0031	.0039
.236	.0039	.0047	.0059
.157	.0047	.0059	.0079

f/t →

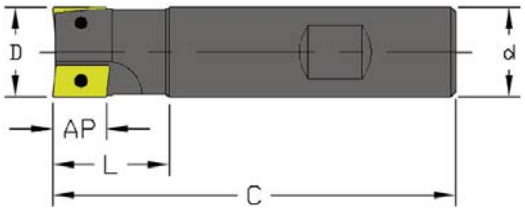
APKT 160408

Depth of cut ↑

AP (inch)	Feed Per Tooth (inch) Light	Medium	Heavy
.472	.0028	.0031	.0039
.315	.0039	.0047	.0059
.197	.0047	.0059	.0079

f/t →

Prices are subject to change without notice.



End Mill Cutters — No Coolant

Designation	D	Flutes	C	L	AP	d	Insert	Screw	Price
E90AP D.500-1-W.500-11	.500	1	3.375	.975	.315	.500	APKT 11T308	SR34505	**$89.00**
E90AP D.625-2-W.625-11	.625	2	3.375	.975	.315	.625		SR34505	**$89.00**
E90AP D.750-2-W.750-11	.750	2	3.375	.975	.315	.750		SR34505L	**$99.00**
E90AP D.750-3-W.750-11	.750	3	3.375	.975	.315	.750		SR34505L	**$119.00**
E90AP D.750-3-W.750-6-11	.750	3	6.000	3.000	.315	.750		SR34505L	**$149.00**
E90AP D1.00-3-W.750-11	1.000	3	4.000	1.500	.315	.750		SR34505L	**$119.00**
E90AP D1.00-3-W1.00-11	1.000	3	4.000	1.500	.315	1.000		SR34505L	**$129.00**
E90AP D1.00-3-W1.00-6-11	1.000	3	6.000	3.000	.315	1.000		SR34505L	**$159.00**
E90AP D1.00-4-W1.00-11	1.000	4	4.000	1.500	.315	1.000		SR34505L	**$129.00**
E90AP D1.250-3-W.750-11	1.250	3	4.000	1.500	.315	.750		SR34505L	**$119.00**
E90AP D1.250-3-W1.00-11	1.250	3	4.000	1.500	.315	1.000		SR34505L	**$129.00**
E90AP D1.500-5-W1.00-11	1.500	5	4.000	1.500	.315	1.000		SR34505L	**$139.00**
E90AP D1.00-2-W1.00-16	1.000	2	4.000	1.750	.472	1.000	APKT 160408	SR14544	**$109.00**
E90AP D1.00-2-W1.00-6-16	1.000	2	6.000	1.750	.472	1.000		SR14544	**$139.00**
E90AP D1.250-2-W1.00-16	1.250	2	4.000	1.500	.472	1.000		SR14544	**$119.00**
E90AP D1.250-3-W1.00-16	1.250	3	4.000	1.500	.472	1.000		SR14544	**$129.00**
E90AP D1.500-3-W1.00-16	1.500	3	4.000	1.500	.472	1.000		SR14544	**$129.00**

End Mill Cutters — Coolant Thru

Designation	D	Flutes	C	L	AP	d	Insert	Screw	Price
E90AP D.750-2-W.750-11-C	.750	2	3.375	.975	.315	.750	APKT 11T308	SR34505L	**$114.00**
E90AP D.750-3-W.750-11-C	.750	3	3.375	.975	.315	.750		SR34505L	**$134.00**
E90AP D1.00-3-W1.00-11-C	1.000	3	4.000	1.500	.315	1.000		SR34505L	**$144.00**
E90AP D1.250-3-W1.00-16-C	1.250	3	4.000	1.500	.472	1.000	APKT 160408	SR14544	**$149.00**
E90AP D1.500-3-W1.00-16-C	1.500	3	4.000	1.500	.472	1.000		SR14544	**$149.00**

End Mill Holders Available In:

CAT40 pg **124**
CAT50 pg **130**
HSK63 pg **137**
HSK100 pg **142**

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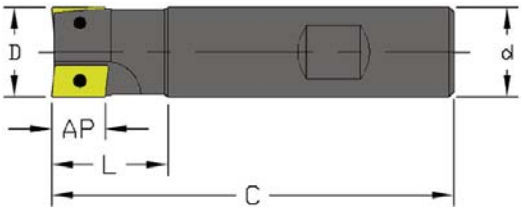
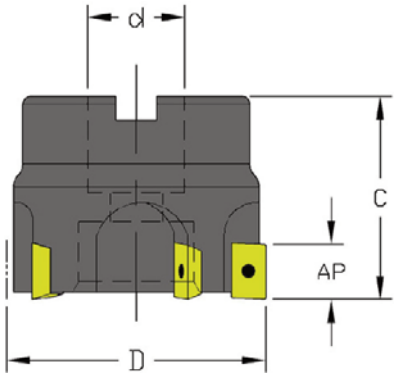
Inserts pg: 154



End Mill Cutters

No Coolant

Designation	D	Flutes	C	L	AP	d	Insert	Screw	Price
E90AP D.750-2-W.750-10	.750	2	3.375	.975	.394	.750	APKT 1003	SR34505L	**$109.00**
E90AP D.750-3-W.750-10	.750	3	3.375	.975	.394	.750		SR34505L	**$129.00**
E90AP D.750-3-W.750-6-10	.750	3	6.000	1.500	.394	.750		SR34505L	**$149.00**
E90AP D1.00-3-W.750-10	1.000	3	4.000	1.500	.394	.750		SR34505L	**$139.00**
E90AP D1.00-3-W1.00-10	1.000	3	4.000	1.500	.394	1.000		SR34505L	**$139.00**
E90AP D1.00-3-W1.00-6-10	1.000	3	6.000	1.500	.394	1.000		SR34505L	**$159.00**
E90AP D1.250-3-W.750-10	1.250	3	4.000	1.500	.394	.750		SR34505L	**$139.00**
E90AP D1.250-3-W1.00-10	1.250	3	4.000	1.500	.394	1.000		SR34505L	**$139.00**
E90AP D1.00-2-W1.00-15	1.000	2	4.000	1.750	.562	1.000	ADKT 1505	SR14544	**$139.00**
E90AP D1.250-2-W1.00-15	1.250	2	4.000	1.500	.562	1.000		SR14544	**$139.00**
E90AP D1.250-3-W1.00-15	1.250	3	4.000	1.500	.562	1.000		SR14544	**$139.00**
E90AP D1.500-3-W1.00-15	1.500	3	4.000	1.500	.562	1.000		SR14544	**$149.00**

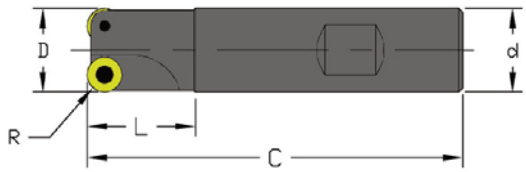


Face Mill Cutters

No Coolant

Designation	D	Flutes	C	AP	d	Inserts	Screw	Price
F90AP D2.00-5-.750-11	2.000	5	1.570	.315	.750	APKT 11T308	SR34505L	**$185.00**
F90AP D2.50-7-1.00-11	2.500	7	1.750	.315	1.000		SR34505L	**$249.00**
F90AP D3.00-8-1.00-11	3.000	8	1.750	.315	1.000		SR34505L	**$309.00**
F90AP D2.00-5-.750-16	2.000	5	1.570	.472	.750	APKT 160408	SR14544	**$180.00**
F90AP D2.50-5-1.00-16	2.500	5	1.750	.472	1.000		SR14544	**$237.00**
F90AP D3.00-5-1.00-16	3.000	5	1.750	.472	1.000		SR14544	**$290.00**
F90AP D3.00-7-1.00-16	3.000	7	1.750	.472	1.000		SR14544	**$309.00**
F90AP D4.00-7-1.25-16	4.000	7	1.750	.472	1.250		SR14544	**$375.00**

Prices are subject to change without notice.



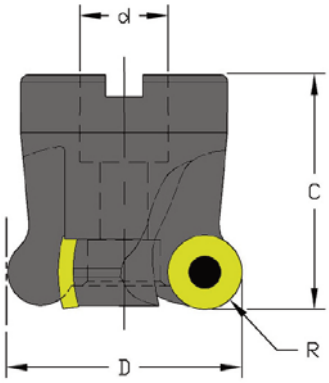
MADE IN USA

Round End Mill Cutters

No Coolant

Designation	D	Flutes	R	C	L	d	Insert	Screw	Price
ER-D.750-2-.750-08	.750	2	.157 / 4mm	3.380	.975	.750	RDKW 0803	MTS 3-DR	**$119.00**
ER-D1.00-2-.750-08	1.000	2		3.380	1.500	.750		MTS 3-DR	**$129.00**
ER-D1.00-2-.750-10	1.000	2	.197 / 5mm	3.380	1.500	.750	RCKT 10T3	MTS-35	**$129.00**
ER-D1.25-3-1.00-10	1.250	3		4.000	1.500	1.000		MTS-35	**$139.00**
ER-D1.50-3-1.00-12	1.500	3	.236 / 6mm	4.000	1.500	1.000	RCKT 1204	MTS-35	**$159.00**

Designation	D	Flutes	R	C	L	d	Insert	Screw	Price
ER-D.750-2-.750-2	.750	2	.125	3.380	.975	.750	RCMT 21.5	MTS-2.5L	**$119.00**
ER-D1.00-2-.750-2	1.000	2		3.380	1.500	.750		MTS-2.5L	**$129.00**
ER-D1.00-2-.750-3	1.000	2	.188	3.380	1.500	.750	RCMT 32.5	MTS 4-DR	**$129.00**
ER-D1.25-2-1.00-3	1.250	2		4.000	1.500	1.000		MTS 4-DR	**$139.00**
ER-D1.50-3-1.00-4	1.500	3	.250	4.000	1.500	1.000	RCMT 43	MTS-4	**$159.00**



Round Face Mill Cutters

No Coolant

Designation	D	Flutes	R	C	d	Insert	Screw	Price
FR-D2.00-4-.750-12	2.000	4	.236 / 6mm	2.000	.750	RCKT 1204	MTS-35	**$209.00**
FR-D2.00-3-.750-16	2.000	3	.315 / 8mm	2.000	.750	RCKT 1606	MTS-4	**$189.00**
FR-D3.00-5-1.00-16	3.000	5		1.750	1.000		MTS-4	**$239.00**
FR-D4.00-6-1.25-16	4.000	6		1.750	1.250		MTS-4	**$275.00**

Designation	D	Flutes	R	C	d	Insert	Screw	Price
FR-D2.00-4-.750-4	2.000	4	.250	2.000	.750	RCMT 43	MTS-4	**$209.00**
FR-D3.00-5-1.00-4	3.000	5	.250	1.750	1.000		MTS-4	**$239.00**
FR-D4.00-6-1.25-4	4.000	6	.500	1.750	1.250		MTS-4	**$275.00**

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ULTRA-DEX USA

CHAMFER
INDEXABLE MILLING

C

MILLING

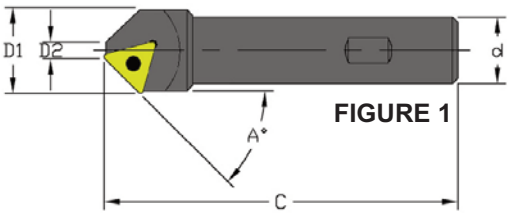


FIGURE 1

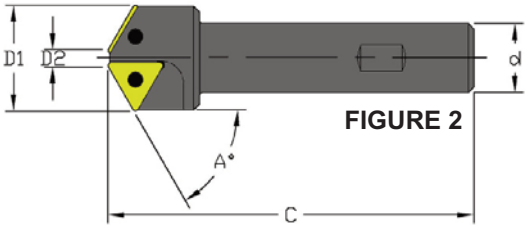


FIGURE 2

Chamfer Mill Cutters

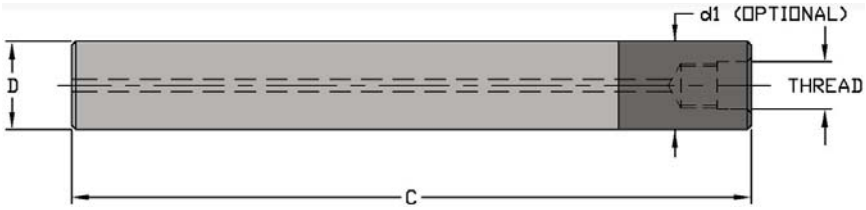
No Coolant

Designation	Figure	A°	D1	D2	C	d	Insert	Screw	Price
E05C-D.500-1-.750-3	1	5	.594	.500	4.000	.750	TCMT 32.52	MTS-35	**$84.00**
E10C-D.500-1-.750-3	1	10	.688	.500	4.000	.750		MTS-35	**$84.00**
E15C-D.500-1-.750-3	1	15	.782	.500	4.000	.750		MTS-35	**$84.00**
E15C-D1.00-2-.750-3	2	15	1.280	1.000	4.000	.750		MTS-35	**$99.00**
E20C-D.375-1-.750-3	1	20	.750	.375	4.000	.750		MTS-35	**$84.00**
E30C-D.250-1-.750-3	1	30	.800	.250	4.000	.750		MTS-35	**$84.00**
E30C-D.750-2-.750-3	2	30	1.300	.750	4.000	.750		MTS-35	**$99.00**
E41C-D.188-1-.750-3	1	41	.914	.188	4.000	.750		MTS-35	**$84.00**
E41C-D.562-2-.750-3	2	41	1.288	.562	4.000	.750		MTS-35	**$99.00**
E45C-D.188-1-.750-3	1	45	.972	.188	4.000	.750		MTS-35	**$84.00**
E45C-D.500-2-.750-3	2	45	1.290	.500	4.000	.750		MTS-35	**$99.00**
E60C-D.188-2-.750-3	2	60	1.160	.188	4.000	.750		MTS-35	**$99.00**

Prices are subject to change without notice.

ISO MILLING BARS

Engineered to fit most threaded ISO milling heads



! Optional relief available (d1) CALL FOR PRICING !

Carbide ISO Milling Bar w/ Flat — Coolant Thru

Designation	L	Thread	D	d1	Price
CM06 L6.00-W.375*	6	M6	.375	--	$191.00
CM08 L5.00-W.500*	5	M8	.500	.460	$215.00
CM08 L8.00-W.500*	8	M8	.500	.460	$251.00
CM10 L7.00-W.750	7	M10	.750	.710	$395.00
CM10 L10.00-W.750	10	M10	.750	.710	$431.00

Designation	L	Thread	D	d1	Price
CM12 L7.00-W.750	7	M12	.750	.710	$395.00
CM12 L10.00-W.750	10	M12	.750	.710	$431.00
CM12 L8.00-W1.00	8	M12	1.000	.960	$587.00
CM12 L12.00-W1.00	12	M12	1.000	.960	$743.00
CM16 L14.00-W1.25*	14	M16	1.250	1.210	$1307.00
CM16 L14.00-W1.500*	14	M16	1.500	1.460	$1602.00

Carbide ISO Milling Bar w/o Flat — Coolant Thru

Designation	L	Thread	D	d1	Price
CM08 L8.00-C.500*	8	M8	.500	.460	$251.00
CM10 L7.00-C.750	7	M10	.750	.710	$395.00
CM10 L10.00-C.750	10	M10	.750	.710	$431.00

Designation	L	Thread	D	d1	Price
CM12 L7.00-C.750	7	M12	.750	.710	$395.00
CM12 L10.00-C.750	10	M12	.750	.710	$431.00
CM12 L8.00-C1.00	8	M12	1.000	.960	$597.00
CM12 L12.00-C1.00	12	M12	1.000	.960	$743.00
CM16 L14.00-C1.25*	14	M16	1.250	1.210	$1307.00

Heavy Metal ISO Milling Bar w/ Flat — Coolant Thru

Designation	L	Thread	D	d1	Price
HM06 L6.00-W.375*	6	M6	.375	--	$195.00
HM08 L6.00-W.500*	6	M8	.500	.460	$258.00
HM12 L12.00-W.750*	12	M12	.750	.710	$466.00
HM12 L8.00-W1.00*	8	M12	1.000	.960	$599.00

Designation	L	Thread	D	d1	Price
HM12 L12.00-W1.00*	12	M12	1.000	.960	$682.00
HM16 L12.00-W1.25*	12	M16	1.250	1.210	$1061.00
HM16 L12.00-W1.500*	12	M16	1.500	1.460	$1379.00

Heavy Metal ISO Milling Bar w/o Flat — Coolant Thru

Designation	L	Thread	D	d1	Price
HM06 L6.00-C.375*	6	M6	.375	--	$195.00
HM08 L6.00-C.500*	6	M8	.500	.460	$258.00
HM12 L12.00-C.750*	12	M12	.750	.710	$466.00

Designation	L	Thread	D	d1	Price
HM12 L8.00-C1.00*	8	M12	1.000	.960	$599.00
HM12 L12.00-C1.00*	12	M12	1.000	.960	$682.00
HM16 L12.00-C1.25*	12	M16	1.250	1.210	$1061.00

* Please allow up to 1 week for processing.

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ULTRA-DEX USA

2xD 2.5xD 4xD
INDEXABLE DRILLS

BEST Value in the Industry!

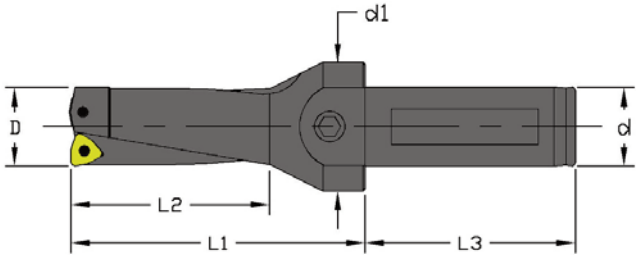
Insert pockets precisely positioned to keep cutting forces low and evenly distributed, 80° Trigon Inserts offer 3 cutting edges!

Spiral flutes to improve chip evacuation.

Coolant-Thru access is located on both the shank and the side of the drill body.

MICHIGAN MADE

	Work-piece material	SFM	Inch/ Rev
P	Steel	225-650	.0022-.006
M	Stainless Steel	250-430	.002-.006
K	Cast Iron	300-600	.0025-009
N	Ferrite Materials	600-1100	.0038-.011
S	Heat-resistant steel	60-150	.0028-.008



D

DRILLING

2.5 x D Indexable Drills (Coated & Uncoated) Coolant Thru

Designation	D	d	d1	L3	L1	L2	Insert	Screw	Price * Coated	Price
UD-0437-2D-063	.437	.625	.970	1.687	2.280	1.280	WCMT 1.211	MTS 184	$122.00	$110.00
UD-0468-2D-063	.468					1.310		T-6-S Wrench	$122.00	$110.00
UD-0500-2D-063	.500					1.340			$122.00	$110.00
UD-0531-2D-063	.531					1.370	WCMT 1.51.51	MTS 2	$122.00	$110.00
UD-0562-2D-063	.562					1.400		T-6-S Wrench	$122.00	$110.00
UD-0593-2D-063	.593					1.430			$122.00	$110.00

* Coated with ION Nitride **(Add -C to the end of designation)**

Prices are subject to change without notice.

PLEASE REFER TO DRAWING ON LEFT

2 x D Indexable Drills (Coated & Uncoated) Coolant Thru

Designation	D	d	d1	L3	L1	L2	Insert	Screw	Price * Coated	Price
UD-0625-2D-063	.625	.625	.987	1.687	2.280	1.375	WCMX 1.81.52	MTS-255 T-7-S Wrench	$122.00	$110.00
UD-0656-2D-063	.656					1.406			$122.00	$110.00
UD-0687-2D-063	.687					1.437			$122.00	$110.00
UD-0719-2D-063	.719					1.467			$122.00	$110.00
UD-0750-2D-075	.750	.750	1.220	2.000	2.810	1.748	WCMX 21.52	MTS 25-DR T-8-S Wrench	$143.00	$122.00
UD-0781-2D-075	.781					1.780			$143.00	$122.00
UD-0812-2D-075	.812					1.811			$143.00	$122.00
UD-0844-2D-075	.844					1.850			$143.00	$122.00
UD-0875-2D-075	.875					1.874			$143.00	$122.00
UD-0906-2D-075	.906					1.910			$143.00	$122.00
UD-0937-2D-075	.937					1.935			$143.00	$122.00
UD-0968-2D-075	.968					1.970			$143.00	$122.00
UD-1000-2D-100	1.000	1.000	1.450	2.375	3.235	2.345	WCMX 2.522	MTS 3-DR T-9-S Wrench	$168.00	$134.00
UD-1031-2D-100	1.031					2.375			$168.00	$134.00
UD-1062-2D-100	1.062					2.406			$168.00	$134.00
UD-1094-2D-100	1.094					2.438			$168.00	$134.00
UD-1125-2D-100	1.125					2.469			$168.00	$134.00
UD-1156-2D-100	1.156					2.500			$168.00	$134.00
UD-1187-2D-100	1.187					2.532			$168.00	$134.00
UD-1219-2D-100	1.219					2.564			$168.00	$134.00
UD-1250-2D-125	1.250	1.250	1.730	2.619	3.886	2.710	WCMX 32.52	MTS 35-DR T-10-S Wrench	$197.00	$159.00
UD-1312-2D-125	1.312					2.771			$197.00	$159.00
UD-1343-2D-125	1.343					2.802			$197.00	$159.00
UD-1375-2D-125	1.375					2.833			$197.00	$159.00
UD-1437-2D-125	1.437					2.896			$197.00	$159.00
UD-1500-2D-125	1.500		1.970		4.426	3.250			$225.00	$184.00
UD-1562-2D-125	1.562					3.312			$225.00	$184.00
UD-1625-2D-125	1.625					3.375			$242.00	$197.00
UD-1687-2D-125	1.687					3.437			$242.00	$197.00
UD-1750-2D-150	1.750	1.500	2.220	2.875	5.025	3.850	WCMX 433	MTS 4-DR T-15-S Wrench	$258.00	$209.00
UD-1812-2D-150	1.812					3.912			$258.00	$209.00
UD-1875-2D-150	1.875					3.975			$300.00	$245.00
UD-1937-2D-150	1.937					4.036			$300.00	$245.00
UD-2000-2D-150	2.000		2.470		5.687	4.469			$324.00	$270.00
UD-2125-2D-150	2.125					4.593			$353.00	$295.00
UD-2250-2D-150	2.250					4.717			$378.00	$320.00
UD-2375-2D-150	2.375					4.840			$402.00	$344.00

* Coated with ION Nitride **(Add -C to the end of designation)**

D

DRILLING

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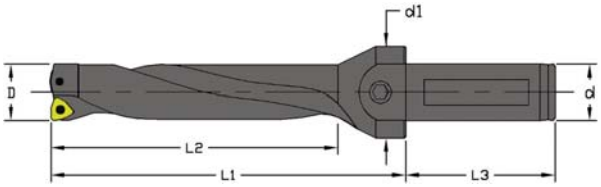


4 x D Indexable Drills (Coated & Uncoated) Coolant Thru

Designation	D	d	d1	L3	L1	L2	Insert	Screw	Price * Coated	Price
UD-0625-4D-063	.625	.625	.987	1.687	3.720	2.815	WCMX 1.81.52	MTS-255 T-7-S Wrench	$175.00	$158.00
UD-0656-4D-063	.656					2.847			$175.00	$158.00
UD-0687-4D-063	.687					2.878			$175.00	$158.00
UD-0719-4D-063	.719					2.911			$175.00	$158.00
UD-0750-4D-075	.750	.750	1.220	2.000	4.763	3.698	WCMX 21.52	MTS 25-DR T-8-S Wrench	$205.00	$175.00
UD-0781-4D-075	.781					3.729			$205.00	$175.00
UD-0812-4D-075	.812					3.761			$205.00	$175.00
UD-0844-4D-075	.844					3.792			$205.00	$175.00
UD-0875-4D-075	.875					3.824			$205.00	$175.00
UD-0906-4D-075	.906					3.855			$205.00	$175.00
UD-0937-4D-075	.937					3.885			$205.00	$175.00
UD-0968-4D-075	.968					3.918			$205.00	$175.00
UD-1000-4D-100	1.000	1.000	1.450	2.375	5.685	4.635	WCMX 2.522	MTS 3-DR T-9-S Wrench	$240.00	$193.00
UD-1031-4D-100	1.031					4.666			$240.00	$193.00
UD-1062-4D-100	1.062					4.696			$240.00	$193.00
UD-1094-4D-100	1.094					4.728			$240.00	$193.00
UD-1125-4D-100	1.125					4.760			$240.00	$193.00
UD-1156-4D-100	1.156					4.792			$240.00	$193.00
UD-1187-4D-100	1.187					4.822			$240.00	$193.00
UD-1219-4D-100	1.219					4.864			$240.00	$193.00
UD-1250-4D-125	1.250	1.250	1.730	2.619	6.760	5.585	WCMX 32.52	MTS 35-DR T-10-S Wrench	$281.00	$228.00
UD-1312-4D-125	1.312					5.646			$281.00	$228.00
UD-1375-4D-125	1.375					5.708			$281.00	$228.00
UD-1437-4D-125	1.437					5.771			$281.00	$228.00
UD-1500-4D-125	1.500		1.970		7.800	6.632			$322.00	$264.00
UD-1562-4D-125	1.562					6.695			$322.00	$264.00
UD-1625-4D-125	1.625					6.757			$346.00	$281.00
UD-1687-4D-125	1.687					6.820			$346.00	$281.00
UD-1750-4D-150	1.750	1.500	2.220	2.875	8.900	7.724	WCMX 433	MTS 4-DR T-15-S Wrench	$369.00	$299.00
UD-1812-4D-150	1.812					7.786			$369.00	$299.00
UD-1875-4D-150	1.875					7.849			$428.00	$352.00
UD-1937-4D-150	1.937					7.911			$428.00	$352.00
UD-2000-4D-150	2.000		2.470		10.347	9.263			$459.00	$382.00
UD-2125-4D-150	2.125					9.387			$505.00	$422.00
UD-2250-4D-150	2.250					9.512			$540.00	$458.00
UD-2375-4D-150	2.375					9.637			$575.00	$493.00

*Coated with ION Nitride **(Add -C to the end of designation)**

Prices are subject to change without notice.

D

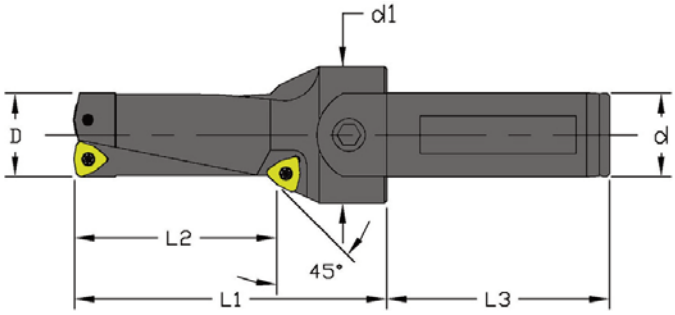
DRILLING

ULTRA-DEX USA

CHAMFER
INDEXABLE DRILLS

MADE HERE

COATED & UNCOATED



2 x D Chamfer Drills (Coated & Uncoated) — Coolant Thru

Designation	D	d	d1	L3	L1	L2	Insert	Screw	Price * Coated	Price
UCD-0750-2D-075	.750	.750	1.220	2.000	2.810	1.748	WCMX 21.52	MTS 25-DR	**$258.00**	**$220.00**
UCD-1000-2D-100	1.000	1.000	1.450	2.375	3.235	2.345	WCMX 2.522	MTS 3-DR	**$302.00**	**$242.00**
UCD-1250-2D-125	1.250	1.250	1.730	2.619	3.886	2.710	WCMX 32.52	MTS 35-DR	**$354.00**	**$286.00**
UCD-1500-2D-125	1.500	1.250	1.970	2.619	4.426	3.250		MTS 35-DR	**$406.00**	**$332.00**
UCD-1750-2D-150	1.750	1.500	2.220	2.875	5.025	3.850	WCMX 433	MTS 4-DR	**$464.00**	**$376.00**
UCD-2000-2D-150	2.000	1.500	2.470	2.875	5.687	4.469		MTS 4-DR	**$584.00**	**$486.00**

*Coated with ION Nitride **(Add -C to the end of designation)**

Don't see the size chamfer drill your looking for above?
Complete the form on the next page with your specifications and fax it to us!

Hardware pg: 164
Inserts pg: 154

FAX TO 810.638.4001 FOR QUOTE

YOUR INFO:

COMPANY:

CONTACT:

PHONE: ( ) **EXT.:**

DATE: / /

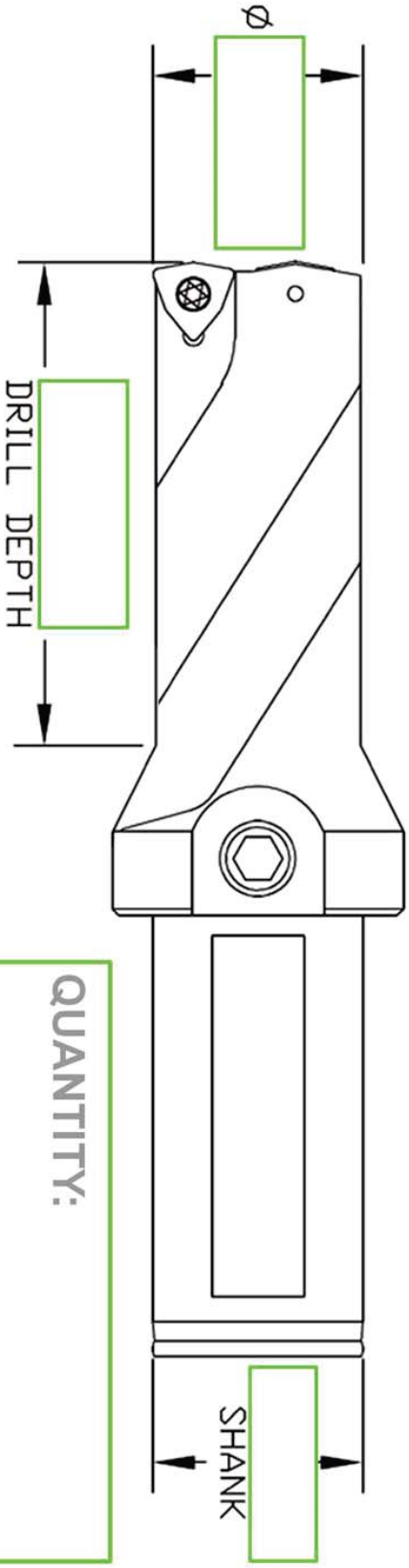
*PREFERRED DISTRIBUTOR INFO:

COMPANY:

CONTACT:

PHONE: ( ) **EXT.:**

* If you do not have a preferred distributor, we can provide you with a list of distributors in your area to choose from.



QUANTITY:

FAX TO 810.638.4001 FOR QUOTE

YOUR INFO:

COMPANY:

CONTACT:

PHONE: ( ) EXT.:

DATE: / /

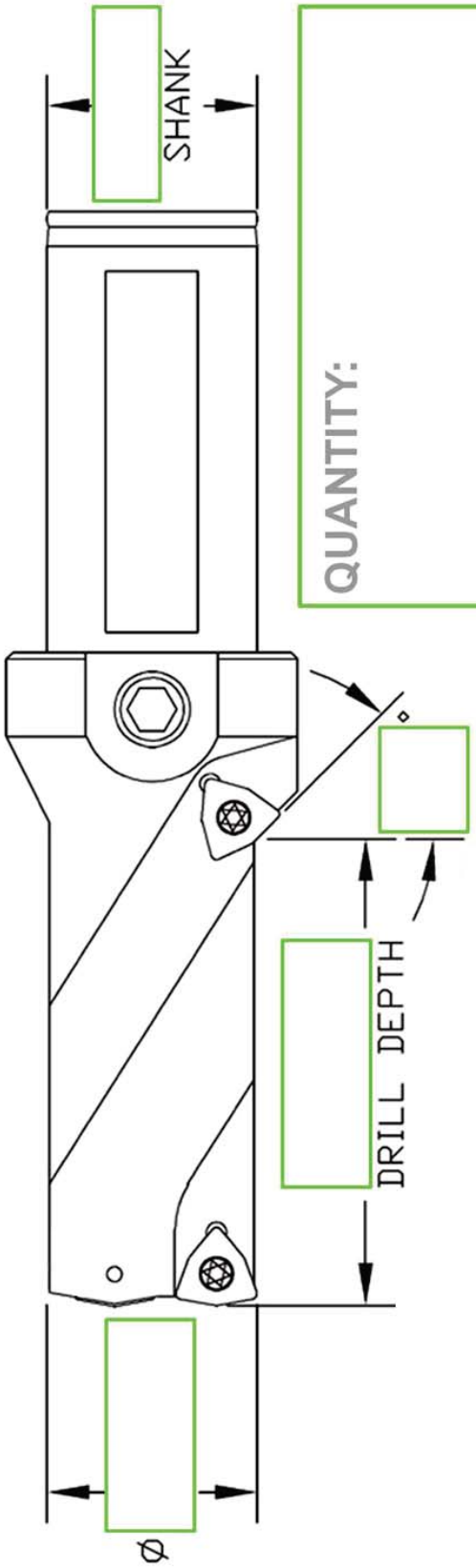
*PREFERRED DISTRIBUTOR INFO:

COMPANY:

CONTACT:

PHONE: ( ) EXT.:

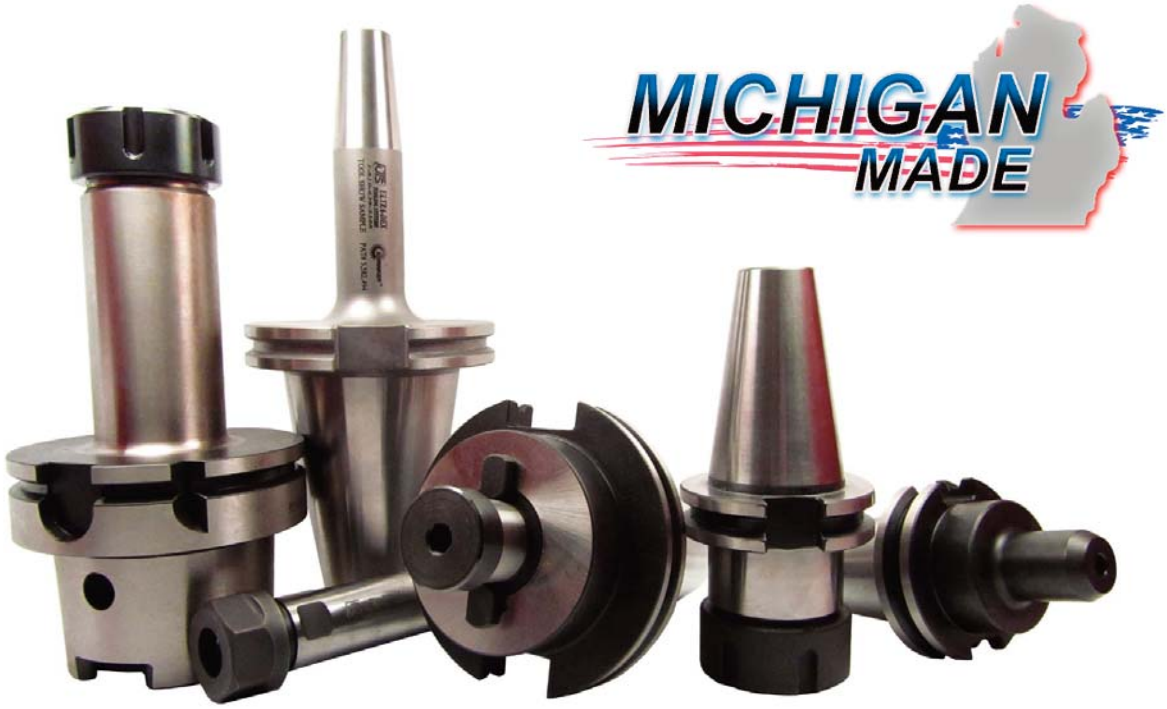
* If you do not have a preferred distributor, we can provide you with a list of distributors in your area to choose from.



QUANTITY:

ULTRA-DEX USA

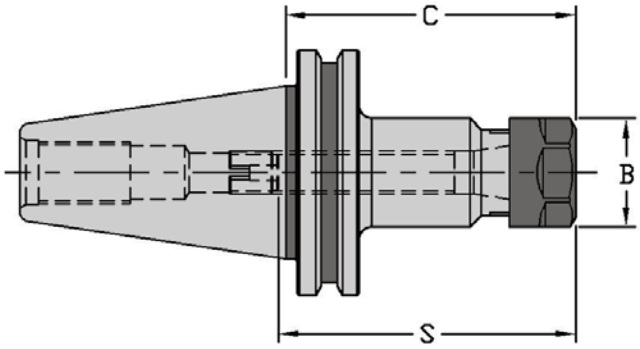
TOOL HOLDING



	CAT 40	CAT 50	HSK 40A	HSK 50A	HSK 63A	HSK 80A	HSK 100A	HSK 125A	Straight Shank
ER Collet Chuck	123	129	136	136	136	141	141	141	148
End Mill	124	130	--	--	137	--	142	--	--
Shell Mill	126	132	--	--	140	--	143	--	--
Shrink-Fit	127	133	--	--	138	--	144	--	--
Jacobs Taper	128	134	--	--	--	--	--	--	--
Blanks	128	134	140	140	140	143	143	143	--

Retention Knobs 135
Tool Bushings 147
Collets 150
HSK Coolant Tubes 146
Shrink-Fit Extensions 152
Shrink-Fit Heat Machines 153

QUALITY & ACCURACY GUARANTEED



MADE IN USA

Balanced to:
G2.5 (20,000 rpm)
G6.3 (12,000 rpm)

CAT40 ER Collet Chucks

Designation	B Nut Dia.	C Proj.	S Max Depth	Collet Nut	Stop Screw	Wrench	G2 Price*	G6 Price*
CT40-ER11-250-G2/G6	.75	2.50	1.94	ER-11HN	ER-11S	ER-11W	**$112.00**	**$92.00**
CT40-ER11-400-G2/G6	.75	4.00	1.94	ER-11HN	ER-11S	ER-11W	**$114.00**	**$94.00**
CT40-ER11-600-G2/G6	.75	6.00	1.94	ER-11HN	ER-11S	ER-11W	**$129.00**	**$109.00**
CT40-ER16-250-G2/G6	1.10	2.50	3.00	ER-16HN	ER-16S	ER-16W	**$102.00**	**$82.00**
CT40-ER16-300-G2/G6	1.10	3.00	3.00	ER-16HN	ER-16S	ER-16W	**$112.00**	**$92.00**
CT40-ER16-400-G2/G6	1.10	4.00	3.00	ER-16HN	ER-16S	ER-16W	**$114.00**	**$94.00**
CT40-ER16-500-G2/G6	1.10	5.00	3.00	ER-16HN	ER-16S	ER-16W	**$120.00**	**$100.00**
CT40-ER16-600-G2/G6	1.10	6.00	3.00	ER-16HN	ER-16S	ER-16W	**$129.00**	**$109.00**
CT40-ER20-300-G2/G6	1.34	3.00	3.50	ER-20HN	ER-20S	ER-20W	**$112.00**	**$92.00**
CT40-ER20-400-G2/G6	1.34	4.00	3.95	ER-20HN	ER-20S	ER-20W	**$114.00**	**$94.00**
CT40-ER20-600-G2/G6	1.34	6.00	3.95	ER-20HN	ER-20S	ER-20W	**$129.00**	**$109.00**
CT40-ER20-800-G2/G6	1.34	8.00	3.95	ER-20HN	ER-20S	ER-20W	**$195.00**	**$175.00**
CT40-ER25-250-G2/G6	1.66	2.50	2.80	ER-25SN	ER-25S	ER-25W	**$115.00**	**$95.00**
CT40-ER25-400-G2/G6	1.66	4.00	4.30	ER-25SN	ER-25S	ER-25W	**$115.00**	**$95.00**
CT40-ER25-600-G2/G6	1.66	6.00	4.40	ER-25SN	ER-25S	ER-25W	**$125.00**	**$105.00**
CT40-ER32-300-G2/G6	1.98	3.00	3.45	ER-32SN	ER-32S	ER-32W	**$122.00**	**$102.00**
CT40-ER32-400-G2/G6	1.98	4.00	4.30	ER-32SN	ER-32S	ER-32W	**$122.00**	**$102.00**
CT40-ER32-600-G2/G6	1.98	6.00	4.60	ER-32SN	ER-32S	ER-32W	**$129.00**	**$109.00**
CT40-ER32-800-G2/G6	1.98	8.00	4.60	ER-32SN	ER-32S	ER-32W	**$210.00**	**$190.00**
CT40-ER40-300-G2/G6	2.25	3.00	3.30	ER-40SN	ER-40S	ER-40W	**$122.00**	**$102.00**
CT40-ER40-400-G2/G6	2.25	4.00	4.00	ER-40SN	ER-40S	ER-40W	**$122.00**	**$102.00**
CT40-ER40-600-G2/G6	2.25	6.00	4.50	ER-40SN	ER-40S	ER-40W	**$141.00**	**$121.00**
CT40-ER40-800-G2/G6	2.25	8.00	4.50	ER-40SN	ER-40S	ER-40W	**$210.00**	**$190.00**

* Add -G6 or -G2 to end of designation depending on the balance needed.
All Hardware Included. Wrenches Sold Seperately.

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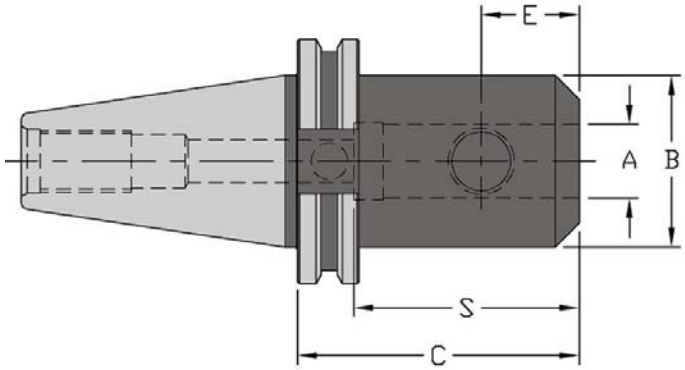
Collets pg: 150

CAT40 End Mill Holders



QUALITY & ACCURACY GUARANTEED

Balanced to:
G2.5 (20,000 rpm)
G6.3 (12,000 rpm)

CAT40 End Mill Holders (1/8 - 1/2")

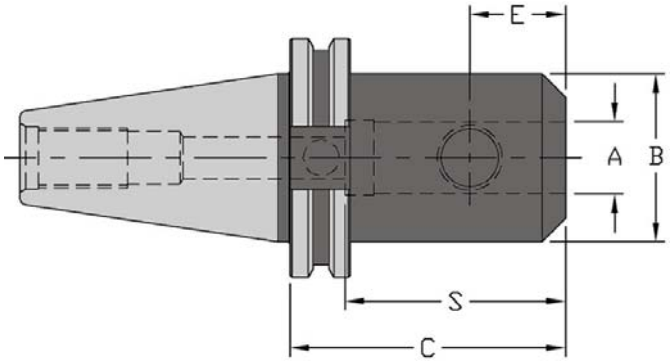
Designation	A Endmill Size	B Outside Dia.	C Proj.	S Max Depth	E	Set Screw	G2 Price*	G6 Price*
CT40-EM012-250-G2/G6	.125	.690	2.50	--	.19	10-32	**$95.00**	**$75.00**
CT40-EM188-250-G2/G6	.188	.750	2.50	--	.44	10-32	**$85.00**	**$64.80**
CT40-EM188-400-G2/G6	.188	.750	4.00	--	.44	10-32	**$109.00**	**$89.00**
CT40-EM250-250-G2/G6	.250	.880	2.50	--	.44	1/4-28	**$85.00**	**$64.80**
CT40-EM250-400-G2/G6	.250	.880	4.00	--	.44	1/4-28	**$98.00**	**$78.00**
CT40-EM250-600-G2/G6	.250	.880	6.00	--	.44	1/4-28	**$104.00**	**$84.00**
CT40-EM312-250-G2/G6	.312	.880	2.50	--	.44	1/4-28	**$85.00**	**$64.80**
CT40-EM312-400-G2/G6	.312	.880	4.00	--	.44	1/4-28	**$98.00**	**$78.00**
CT40-EM312-600-G2/G6	.312	.880	6.00	--	.44	1/4-28	**$104.00**	**$84.00**
CT40-EM375-250-G2/G6	.375	1.000	2.50	--	.75	3/8-24	**$85.00**	**$64.80**
CT40-EM375-400-G2/G6	.375	1.000	4.00	--	.75	3/8-24	**$98.00**	**$78.00**
CT40-EM375-600-G2/G6	.375	1.000	6.00	--	.75	3/8-24	**$98.00**	**$78.00**
CT40-EM437-250-G2/G6	.437	1.000	2.50	--	.75	3/8-24	**$85.00**	**$64.80**
CT40-EM437-400-G2/G6	.437	1.000	4.00	--	.75	3/8-24	**$104.00**	**$84.00**
CT40-EM500-262-G2/G6	.500	1.375	2.62	--	.88	7/16-20	**$85.00**	**$64.80**
CT40-EM500-400-G2/G6	.500	1.375	4.00	--	.88	7/16-20	**$98.00**	**$78.00**
CT40-EM500-600-G2/G6	.500	1.375	6.00	--	.88	7/16-20	**$104.00**	**$84.00**

* Add -G6 or -G2 to end of designation depending on the balance needed.
All Hardware Included

- Taper Ground to **AT-3** Specification
- Balanced for Less Vibration & Longer Tool Life
- T.I.R. .0002
- Hardened & Tempered to Prevent Taper Cracking
- Through Spindle Coolant Capability
- Special Length Projections Available

Retention Knobs
pg 135

Prices are subject to change without notice.



MADE IN USA

Balanced to:
G2.5 (20,000 rpm)
G6.3 (12,000 rpm)

CAT40 End Mill Holders (9/16 - 1½")

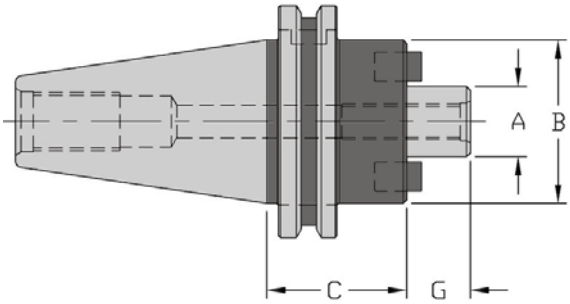
Designation	A Endmill Size	B Outside Dia.	C Proj.	S Max Depth	E	Set Screw	G2 Price*	G6 Price*
CT40-EM563-262-G2/G6	.563	1.375	2.62	2.05	.88	7/16-20	$85.00	$64.80
CT40-EM625-175-G2/G6	.625	1.750	1.75	2.10	.70	9/16-18	$85.00	$64.80
CT40-EM625-300-G2/G6	.625	1.500	3.00	2.10	.94	9/16-18	$98.00	$78.00
CT40-EM625-600-G2/G6	.625	1.500	6.00	2.10	.94	9/16-18	$104.00	$84.00
CT40-EM750-175-G2/G6	.750	1.750	1.75	2.25	.70	5/8-18	$85.00	$64.80
CT40-EM750-300-G2/G6	.750	1.750	3.00	2.30	1.00	5/8-18	$98.00	$78.00
CT40-EM750-600-G2/G6	.750	1.750	6.00	2.30	1.00	5/8-18	$104.00	$84.00
CT40-EM875-600-G2/G6	.875	2.000	6.00	2.50	1.00	5/8-18	$104.00	$84.00
CT40-EM100-175-G2/G6	1.000	1.750	1.75	2.25	.83	3/4-16	$85.00	$64.80
CT40-EM100-400-G2/G6	1.000	2.000	4.00	2.83	1.12	3/4-16	$98.00	$78.00
CT40-EM100-600-G2/G6	1.000	2.000	6.00	2.83	1.12	3/4-16	$104.00	$84.00
CT40-EM125-250-G2/G6	1.250	2.250	2.50	2.50	1.00	3/4-16	$85.00	$64.80
CT40-EM125-400-G2/G6	1.250	2.250	4.00	3.00	1.12	(2) 3/4-16	$98.00	$78.00
CT40-EM125-600-G2/G6	1.250	2.250	6.00	3.00	1.12	(2) 3/4-16	$104.00	$84.00
CT40-EM150-462-G2/G6	1.500	2.600	4.62	2.75	1.12	(2) 3/4-16	$98.00	$78.00

* Add -G6 or -G2 to end of designation depending on the balance needed.
All Hardware Included

New!
CAT60s
AVAILABLE
CALL TO ORDER!

Hardware
pg: 164

CAT40 Shell Mill Holders



MADE IN USA

Balanced to:
G6.3 (12,000 rpm)

CAT40 Shell Mill Holders

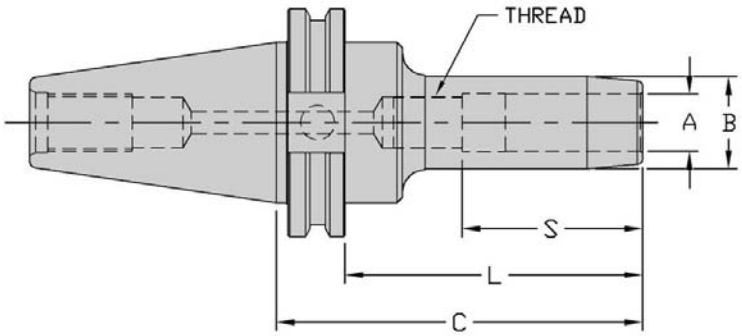
Designation	A Pilot Dia.	B Diameter	C Projection	G	Drive Key	Lock Screw	Thread	Price
CT40-SM050-138	.500	1.438	1.38	.46	UDK 250	U5001	1/4-28	**$87.00**
CT40-SM050-350	.500	1.438	3.50	.46	UDK 250	U5001	1/4-28	**$99.00**
CT40-SM075-150	.750	1.750	1.50	.68	UDK 312	U5002	3/8-24	**$89.00**
CT40-SM075-400	.750	1.750	4.00	.68	UDK 312	U5002	3/8-24	**$109.00**
CT40-SM075-600	.750	1.750	6.00	.68	UDK 312	U5002	3/8-24	**$129.00**
CT40-SM100-200	1.000	2.190	2.00	.68	UDK 375	U5003	1/2-20	**$92.00**
CT40-SM100-400	1.000	2.190	4.00	.68	UDK 375	U5003	1/2-20	**$109.00**
CT40-SM100-600	1.000	2.190	6.00	.68	UDK 375	U5003	1/2-20	**$144.00**
CT40-SM125-212	1.250	2.750	2.12	.68	UDK 500	U5004	5/8-18	**$89.00**
CT40-SM125-400	1.250	2.750	4.00	.68	UDK 500	U5004	5/8-18	**$103.00**
CT40-SM150-250	1.500	3.380	2.50	.94	UDK 625	U5005	3/4-16	**$94.00**
CT40-SM150-400	1.500	3.380	4.00	.94	UDK 625	U5005	3/4-16	**$107.00**

All Hardware Included

- Taper Ground to **AT-3** Specification
- Balanced for Less Vibration & Longer Tool Life
- T.I.R. .0002
- Hardened & Tempered to Prevent Taper Cracking
- Through Spindle Coolant Capability
- Special Length Projections Available

Retention Knobs
pg 135

Prices are subject to change without notice.



QUALITY & ACCURACY GUARANTEED

Balanced to:
G2.5 (20,000 rpm)

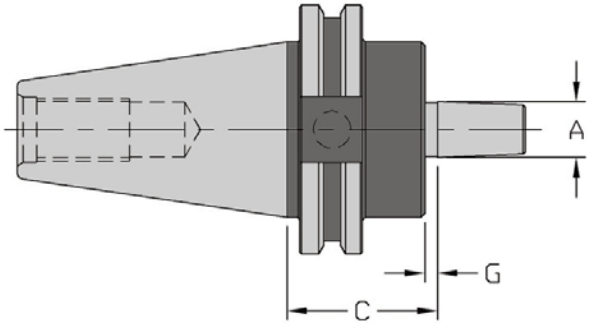
CAT40 Shrink-Fit Holders (Std. Length)

Designation	A	B	C	S	L	Thread	Price
CT40-SF012-400-G2	.125	.50	4.00	.79	3.25	--	**$164.00**
CT40-SF188-400-G2	.188	.50	4.00	.79	3.25	--	**$154.00**
CT40-SF250-400-G2	.250	.75	4.00	1.42	3.25	10-32	**$154.00**
CT40-SF375-400-G2	.375	.75	4.00	1.53	3.25	1/4-28	**$154.00**
CT40-SF500-400-G2	.500	1.00	4.00	1.85	3.25	7/16-20	**$159.00**
CT40-SF625-400-G2	.625	1.00	4.00	1.97	3.25	9/16-18	**$159.00**
CT40-SF750-400-G2	.750	1.25	4.00	2.04	3.25	5/8-18	**$169.00**
CT40-SF100-400-G2	1.000	2.09	4.00	2.28	3.25	3/4-16	**$169.00**
CT40-SF125-400-G2	1.250	2.09	4.00	2.28	3.25	3/4-16	**$169.00**

CAT40 Shrink-Fit Holders (Ext. Length)

CT40-SF012-600-G2	.125	.75	6.00	.79	5.25	--	**$189.00**
CT40-SF188-600-G2	.188	.75	6.00	.79	5.25	--	**$179.00**
CT40-SF250-600-G2	.250	.75	6.00	1.42	5.25	10-32	**$179.00**
CT40-SF375-600-G2	.375	1.00	6.00	1.53	5.25	1/4-28	**$179.00**
CT40-SF500-600-G2	.500	1.00	6.00	1.85	5.25	7/16-20	**$179.00**
CT40-SF625-600-G2	.625	1.25	6.00	1.97	5.25	9/16-18	**$184.00**
CT40-SF750-600-G2	.750	1.25	6.00	2.04	5.25	5/8-18	**$184.00**
CT40-SF100-600-G2	1.000	2.09	6.00	2.28	5.52	3/4-16	**$184.00**
CT40-SF250-800-G2	.250	1.00	8.00	1.42	7.25	10-32	**$209.00**

Hardware
pg: 164

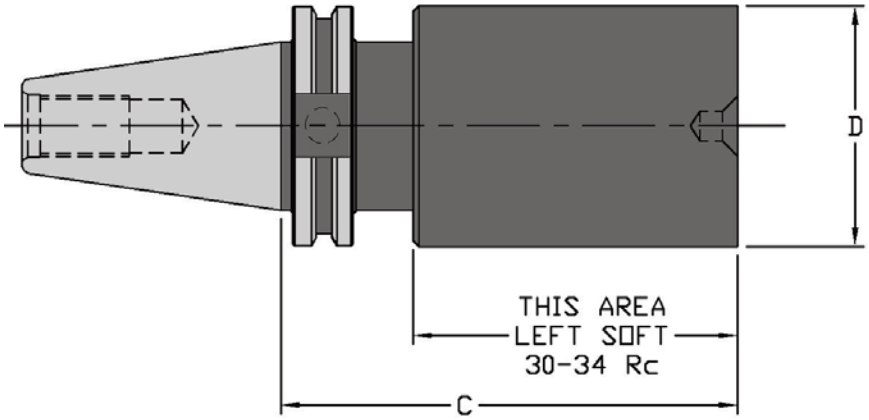


QUALITY & ACCURACY GUARANTEED

CAT40 Jacobs Taper Holders

Balanced to:
G6.3 (12,000 rpm)

Designation	Taper No.	C Projection	A Dia.	G	Taper Length	Price
CT40-JT02-150	2	1.50	.559	.125	.875	**$70.00**
CT40-JT03-150	3	1.50	.811	.125	1.219	**$70.00**
CT40-JT04-150	4	1.50	1.124	.125	1.656	**$70.00**
CT40-JT06-150	6	1.50	.676	.125	1.000	**$70.00**
CT40-JT33-150	33	1.50	.624	.125	1.000	**$72.00**



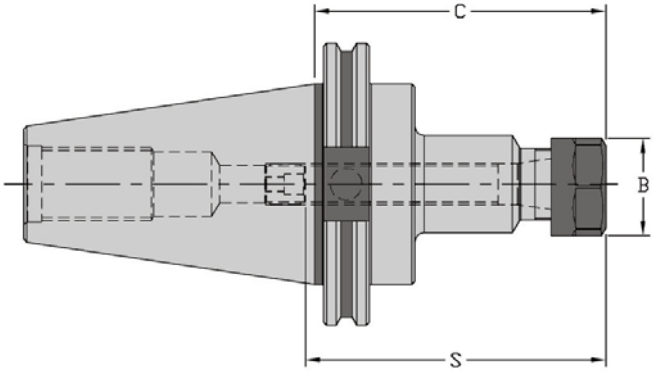
New!

CAT40 Style Blanks

Designation	Taper	D mm	D Inch	C mm	C Inch	Price
CT40-BB100-150	CAT40	100	3.94	150	5.91	**$149.00**
CT40-BB64-150	CAT40	64	2.52	150	5.91	**$119.00**
CT40-BB64-250	CAT40	64	2.52	250	9.84	**$139.00**

Retention Knobs
pg 135

Prices are subject to change without notice.



MADE IN USA

Balanced to:
G2.5 (15,000 rpm)
G6.3 (12,000 rpm)

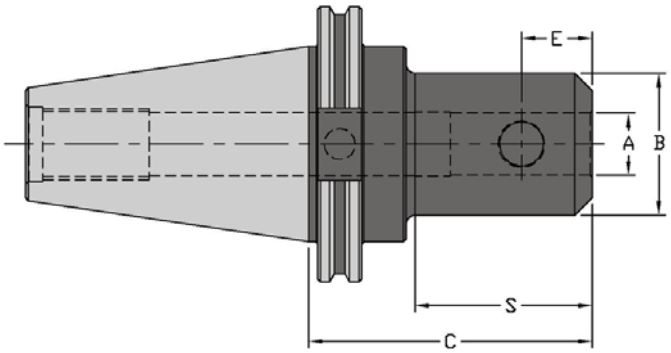
CAT50 ER Collet Chucks

Designation	B Nut Dia.	C Proj.	S Max Depth	Collet Nut	Stop Screw	Wrench	G2 Price*	G6 Price*
CT50-ER11-600-G2/G6	.750	6.00	1.94	ER-11HN	ER-11S	ER-11W	**$230.00**	**$210.00**
CT50-ER16-400-G2/G6	1.10	4.00	4.50	ER-16HN	ER-16S	ER-16W	**$158.00**	**$138.00**
CT50-ER16-600-G2/G6	1.10	6.00	4.50	ER-16HN	ER-16S	ER-16W	**$169.00**	**$149.00**
CT50-ER16-800-G2/G6	1.10	8.00	4.50	ER-16HN	ER-16S	ER-16W	**$230.00**	**$210.00**
CT50-ER20-250-G2/G6	1.34	2.50	3.38	ER-20HN	ER-20S	ER-20W	**$158.00**	**$138.00**
CT50-ER20-400-G2/G6	1.34	4.00	4.00	ER-20HN	ER-20S	ER-20W	**$158.00**	**$138.00**
CT50-ER20-600-G2/G6	1.34	6.00	4.00	ER-20HN	ER-20S	ER-20W	**$173.00**	**$153.00**
CT50-ER20-800-G2/G6	1.34	8.00	4.00	ER-20HN	ER-20S	ER-20W	**$198.00**	**$178.00**
CT50-ER25-250-G2/G6	1.66	2.50	4.50	ER-25SN	ER-25S	ER-25W	**$162.00**	**$142.00**
CT50-ER25-400-G2/G6	1.66	4.00	4.50	ER-25SN	ER-25S	ER-25W	**$162.00**	**$142.00**
CT50-ER25-600-G2/G6	1.66	6.00	4.50	ER-25SN	ER-25S	ER-25W	**$176.00**	**$156.00**
CT50-ER25-800-G2/G6	1.66	8.00	4.50	ER-25SN	ER-25S	ER-25W	**$200.00**	**$180.00**
CT50-ER32-300-G2/G6	1.98	3.00	3.50	ER-32SN	ER-32S	ER-32W	**$159.00**	**$139.00**
CT50-ER32-400-G2/G6	1.98	4.00	4.00	ER-32SN	ER-32S	ER-32W	**$164.00**	**$144.00**
CT50-ER32-500-G2/G6	1.98	5.00	4.00	ER-32SN	ER-32S	ER-32W	**$170.00**	**$150.00**
CT50-ER32-600-G2/G6	1.98	6.00	4.00	ER-32SN	ER-32S	ER-32W	**$170.00**	**$150.00**
CT50-ER32-800-G2/G6	1.98	8.00	4.00	ER-32SN	ER-32S	ER-32W	**$235.00**	**$215.00**
CT50-ER40-300-G2/G6	2.50	3.00	4.00	ER-40SN	ER-40S	ER-40W	**$159.00**	**$139.00**
CT50-ER40-400-G2/G6	2.50	4.00	4.50	ER-40SN	ER-40S	ER-40W	**$170.00**	**$150.00**
CT50-ER40-500-G2/G6	2.50	5.00	4.50	ER-40SN	ER-40S	ER-40W	**$176.00**	**$156.00**
CT50-ER40-600-G2/G6	2.50	6.00	4.50	ER-40SN	ER-40S	ER-40W	**$181.00**	**$161.00**
CT50-ER40-800-G2/G6	2.50	8.00	4.50	ER-40SN	ER-40S	ER-40W	**$240.00**	**$220.00**

* Add -G6 or -G2 to end of designation depending on the balance needed.
All Hardware Included. Wrenches Sold Seperately.

Hardware pg: 164
Collets pg: 150

CAT50 End Mill Holders



MADE IN USA

Balanced to:
G2.5 (15,000 rpm)
G6.3 (12,000 rpm)

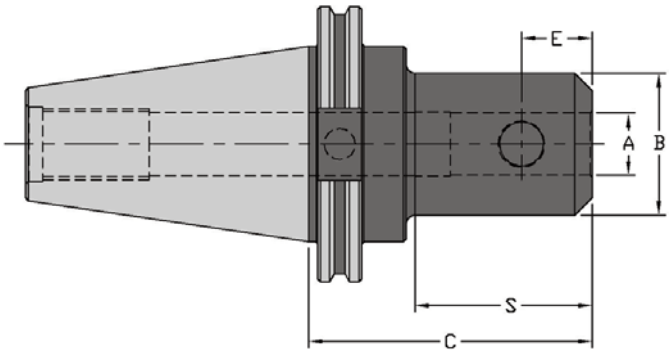
CAT50 End Mill Holders (3/16 - 1/2”)

Designation	A Endmill Size	B Outside Dia.	C Proj.	S Max Depth	E	Set Screw	G2 Price*	G6 Price*
CT50-EM188-250-G2/G6	.188	.680	2.50	--	.44	10-32	**$109.00**	**$89.80**
CT50-EM188-400-G2/G6	.188	.680	4.00	--	.44	10-32	**$118.00**	**$98.00**
CT50-EM250-250-G2/G6	.250	.880	2.50	--	.44	1/4-28	**$109.00**	**$89.80**
CT50-EM250-400-G2/G6	.250	.880	4.00	--	.44	1/4-28	**$118.00**	**$98.00**
CT50-EM250-600-G2/G6	.250	.880	6.00	--	.44	1/4-28	**$129.00**	**$109.00**
CT50-EM312-250-G2/G6	.312	1.000	2.50	--	.44	1/4-28	**$109.00**	**$89.80**
CT50-EM312-400-G2/G6	.312	1.000	4.00	--	.44	1/4-28	**$118.00**	**$98.00**
CT50-EM312-600-G2/G6	.312	1.000	6.00	--	.44	1/4-28	**$129.00**	**$109.00**
CT50-EM375-250-G2/G6	.375	1.000	2.50	--	.75	3/8-24	**$109.00**	**$89.80**
CT50-EM375-400-G2/G6	.375	1.000	4.00	--	.75	3/8-24	**$118.00**	**$98.00**
CT50-EM375-600-G2/G6	.375	1.000	6.00	--	.75	3/8-24	**$129.00**	**$109.00**
CT50-EM437-250-G2/G6	.437	1.000	2.50	--	.75	3/8-24	**$109.00**	**$89.80**
CT50-EM437-400-G2/G6	.437	1.000	4.00	--	.75	3/8-24	**$138.00**	**$115.00**
CT50-EM437-600-G2/G6	.437	1.000	6.00	--	.75	3/8-24	**$148.00**	**$125.00**
CT50-EM500-262-G2/G6	.500	1.375	2.62	--	.88	7/16-20	**$109.00**	**$89.80**
CT50-EM500-400-G2/G6	.500	1.375	4.00	--	.88	7/16-20	**$118.00**	**$98.00**
CT50-EM500-600-G2/G6	.500	1.375	6.00	--	.88	7/16-20	**$129.00**	**$109.00**

* Add -G6 or -G2 to end of designation depending on the balance needed.
All Hardware Included

Retention Knobs
pg 135

Prices are subject to change without notice.



Balanced to:
G2.5 (15,000 rpm)
G6.3 (12,000 rpm)

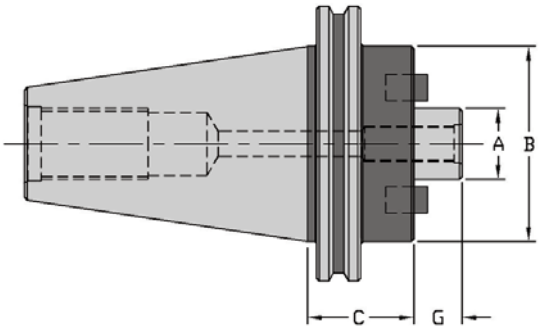
CAT50 End Mill Holders (5/8 - 2”)

Designation	A Endmill Size	B Outside Dia.	C Proj.	S Max Depth	E	Set Screw	G2 Price*	G6 Price*
CT50-EM625-138-G2/G6	.625	2.75	1.38	--	.70	9/16-18	**$109.00**	**$89.80**
CT50-EM625-300-G2/G6	.625	1.75	3.00	--	.94	9/16-18	**$118.00**	**$98.00**
CT50-EM625-600-G2/G6	.625	1.75	6.00	--	.94	9/16-18	**$129.00**	**$109.00**
CT50-EM750-138-G2/G6	.750	2.75	1.38	--	.67	5/8-18	**$109.00**	**$89.80**
CT50-EM750-300-G2/G6	.750	1.75	3.00	--	.67	5/8-18	**$118.00**	**$98.00**
CT50-EM750-600-G2/G6	.750	1.75	6.00	--	1.00	5/8-18	**$129.00**	**$109.00**
CT50-EM875-400-G2/G6	.875	2.00	4.00	2.50	1.00	5/8-11	**$119.00**	**$97.00**
CT50-EM875-600-G2/G6	.875	2.00	6.00	2.50	1.00	5/8-11	**$127.00**	**$104.00**
CT50-EM100-138-G2/G6	1.000	2.75	1.38	2.25	.83	3/4-16	**$109.00**	**$89.80**
CT50-EM100-400-G2/G6	1.000	2.00	4.00	2.83	1.12	3/4-16	**$118.00**	**$98.00**
CT50-EM100-600-G2/G6	1.000	2.00	6.00	2.83	1.12	3/4-16	**$129.00**	**$109.00**
CT50-EM125-200-G2/G6	1.250	2.75	2.00	2.55	.88	3/4-16	**$115.00**	**$95.00**
CT50-EM125-400-G2/G6	1.250	2.75	4.00	3.00	1.12	(2) 3/4-16	**$129.00**	**$109.00**
CT50-EM125-600-G2/G6	1.250	2.50	6.00	3.00	1.12	(2) 3/4-16	**$144.00**	**$124.00**
CT50-EM150-200-G2/G6	1.500	2.75	2.00	2.75	1.12	3/4-16	**$115.00**	**$95.00**
CT50-EM150-450-G2/G6	1.500	2.50	4.50	2.75	1.12	(2) 3/4-16	**$129.00**	**$109.00**
CT50-EM200-500-G2/G6	2.000	3.75	5.00	3.50	1.41	(2) 1-14	**$128.00**	**$105.00**
CT50-EM200-800-G2/G6	2.000	3.75	8.00	3.50	1.41	(2) 1-14	**$153.00**	**$131.00**

* Add -G6 or -G2 to end of designation depending on the balance needed.
All Hardware Included

- Taper Ground to **AT-3** Specification
- Balanced for Less Vibration & Longer Tool Life
- T.I.R. .0002
- Hardened & Tempered to Prevent Taper Cracking
- Through Spindle Coolant Capability
- Special Length Projections Available

Hardware
pg: 164



QUALITY & ACCURACY GUARANTEED

CAT50 Shell Mill Holders

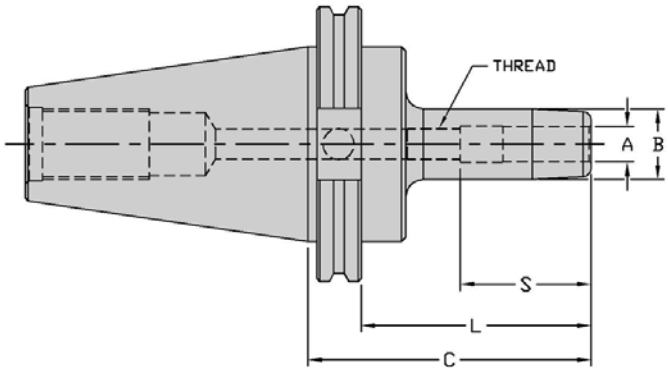
Balanced to:
G6.3 (12,000 rpm)

Designation	A Pilot Dia.	B Diameter	C Projection	G	Drive Key	Lock Screw	Thread	Price
CT50-SM050-200	.50	1.56	2.00	.46	UDK 250	U5001	1/4-28	**$111.00**
CT50-SM050-400	.50	1.56	4.00	.46	UDK 250	U5001	1/4-28	**$128.00**
CT50-SM050-600	.50	1.56	6.00	.46	UDK 250	U5001	1/4-28	**$144.00**
CT50-SM075-150	.75	2.75	1.50	.68	UDK 312	U5002	3/8-24	**$111.00**
CT50-SM075-400	.75	1.75	4.00	.68	UDK 312	U5002	3/8-24	**$128.00**
CT50-SM075-600	.75	1.75	6.00	.68	UDK 312	U5002	3/8-24	**$144.00**
CT50-SM100-150	1.00	2.75	1.50	.68	UDK 375	U5003	1/2-20	**$111.00**
CT50-SM100-400	1.00	2.75	4.00	.68	UDK 375	U5003	1/2-20	**$128.00**
CT50-SM100-600	1.00	2.75	6.00	.68	UDK 375	U5003	1/2-20	**$144.00**
CT50-SM125-150	1.25	2.75	1.50	.68	UDK 500	U5004	5/8-18	**$111.00**
CT50-SM125-400	1.25	2.75	4.00	.68	UDK 500	U5004	5/8-18	**$128.00**
CT50-SM125-600	1.25	2.75	6.00	.68	UDK 500	U5004	5/8-18	**$144.00**
CT50-SM150-250	1.50	3.75	2.50	.94	UDK 625	U5005	3/4-16	**$110.00**
CT50-SM150-400	1.50	3.75	4.00	.94	UDK 625	U5005	3/4-16	**$128.00**
CT50-SM150-600	1.50	3.75	6.00	.94	UDK 625	U5005	3/4-16	**$145.00**
CT50-SM200-250	2.00	4.44	2.50	.94	UDK 750	U5006	1-14	**$132.00**
CT50-SM200-400	2.00	4.44	4.00	.94	UDK 750	U5006	1-14	**$154.00**
CT50-SM200-600	2.00	4.44	6.00	.94	UDK 750	U5006	1-14	**$181.00**
CT50-SM250-250*	2.50	4.88	2.50	.94	UDK 100	U5007	1-14	**$178.00**
CT50-SM250-400*	2.50	4.88	4.00	.94	UDK 100	U5007	1-14	**$211.00**
CT50-SM250-600*	2.50	4.88	6.00	.94	UDK 100	U5007	1-14	**$256.00**

* Features x4 5/8-11 tapped holes on a 4" bolt circle.
All Hardware Included

Retention Knobs
pg 135

Prices are subject to change without notice.



MADE IN USA

Balanced to:
G2.5 (20,000 rpm)

CAT50 Shrink-Fit Holders (Std. Length)

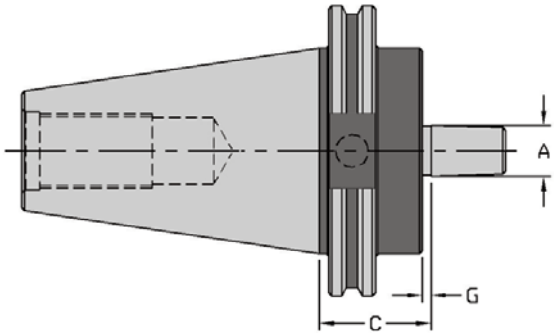
Designation	A	B	C	S	L	Thread	Price
CT50-SF012-400-G2	.125	.787	4.00	.375	3.25	--	**$219.00**
CT50-SF188-400-G2	.188	.750	4.00	.563	3.25	--	**$209.00**
CT50-SF250-400-G2	.250	.750	4.00	1.42	3.25	10-32	**$209.00**
CT50-SF375-400-G2	.375	.750	4.00	1.53	3.25	1/4-28	**$209.00**
CT50-SF500-400-G2	.500	1.00	4.00	1.85	3.25	7/16-20	**$219.00**
CT50-SF625-400-G2	.625	1.00	4.00	1.97	3.25	9/16-18	**$219.00**
CT50-SF750-400-G2	.750	1.25	4.00	2.04	3.25	5/8-18	**$219.00**
CT50-SF100-400-G2	1.000	2.09	4.00	2.28	3.25	3/4-16	**$229.00**
CT50-SF125-400-G2	1.250	2.09	4.00	2.28	3.25	3/4-16	**$229.00**

CAT50 Shrink-Fit Holders (Ext. Length)

CT50-SF250-600-G2	.250	.750	6.00	1.42	5.625	10-32	**$249.00**
CT50-SF375-600-G2	.375	1.00	6.00	1.53	5.625	1/4-28	**$249.00**
CT50-SF500-600-G2	.500	1.00	6.00	1.85	5.625	7/16-20	**$249.00**
CT50-SF625-600-G2	.625	1.25	6.00	1.97	5.625	9/16-18	**$259.00**
CT50-SF750-600-G2	.750	1.25	6.00	2.04	5.625	5/8-18	**$259.00**
CT50-SF250-800-G2	.250	1.00	8.00	1.42	8.300	10-32	**$279.00**
CT50-SF375-800-G2	.375	1.25	8.00	1.53	5.625	1/4-28	**$289.00**
CT50-SF500-800-G2	.500	1.25	8.00	1.85	5.625	7/16-20	**$289.00**

- BEST Possible T.I.R.
- BEST Available Gripping Power
- BEST Possible Balance
- Fastest Tool Change - In Seconds!
- Ability to Preset for Required Tool Length
- Increased Tool and Spindle Life

Hardware
pg: 164

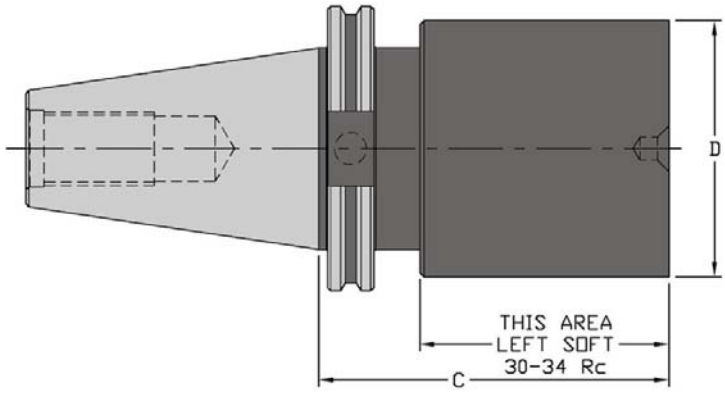


MADE IN USA

CAT50 Jacobs Taper Holders

Balanced to:
G6.3 (12,000 rpm)

Designation	Taper No.	C Projection	A Dia.	G	Taper Length	Price
CT50-JT02-150	2	1.50	.559	.125	.875	**$84.00**
CT50-JT03-150	3	1.50	.811	.125	1.219	**$84.00**
CT50-JT04-150	4	1.50	1.124	.125	1.656	**$84.00**
CT50-JT06-150	6	1.50	.676	.125	1.000	**$84.00**
CT50-JT33-150	33	1.50	.624	.125	1.000	**$94.00**



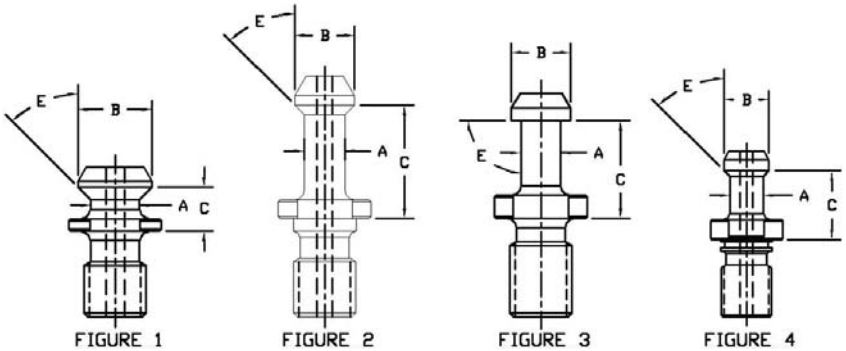
New!

CAT50 Style Blanks

Designation	Taper	D mm	D Inch	C mm	C Inch	Price
CT50-BB100-150	CAT50	100	3.94	150	5.91	**$169.00**
CT50-BB100-250	CAT50	100	3.94	250	9.84	**$212.00**
CT50-BB150-150	CAT50	150	5.91	150	5.91	**$278.00**

- Taper Ground to **AT-3** Specification
- Balanced for Less Vibration & Longer Tool Life
- T.I.R. .0002
- Hardened & Tempered to Prevent Taper Cracking
- Through Spindle Coolant Capability
- Special Length Projections Available

Prices are subject to change without notice.



CAT40 Retention Knobs

Designation	A	B	C	E	Thread	Coolant Thru	Figure	Price
PSC-475	.490	.740	.440	45º	5/8-11	YES	1	**$9.95**
PS-475	.490	.740	.440	45º	5/8-11	NO	1	**$8.95**
PS-532x15	.551	.747	.791	75°	5/8-11	NO	1	**$9.95**
PSC-532x45	.392	.591	.984	45º	5/8-11	YES	2	**$10.95**
PS-532x45	.392	.591	.984	45º	5/8-11	NO	2	**$9.95**
PS-532x60	.392	.591	.984	60º	5/8-11	NO	2	**$9.95**
PS-532x90	.392	.591	.984	90º	5/8-11	NO	2	**$9.95**
PS-498	.392	.591	.775	90º	5/8-11	NO	3	**$10.95**
PSC-552	.406	.594	1.139	45º	5/8-11	YES	2	**$12.95**
PS-552	.406	.594	1.139	45º	5/8-11	NO	2	**$11.95**

CAT50 Retention Knobs

Designation	A	B	C	E	Thread	Coolant Thru	Figure	Price
PSC-535x45	.667	.904	1.384	45º	1-8	YES	4	**$18.95**
PS-535x45	.667	.904	1.384	45º	1-8	NO	4	**$16.95**
PSC-536x45	.667	.904	1.384	45º	1-8	YES	2	**$16.95**
PS-536x45	.667	.904	1.384	45º	1-8	NO	2	**$14.95**
PS-536x60	.667	.904	1.384	60º	1-8	NO	2	**$14.95**
PS-536x90	.667	.904	1.384	90º	1-8	NO	2	**$14.95**
PSC-274	.820	1.140	.700	45º	1-8	YES	1	**$17.95**
PS-274	.820	1.140	.700	45º	1-8	NO	1	**$15.95**

Quick Reference Guide

Each CAT taper machine requires its own style retention knob, below is a general quick reference of the most common manufacturers. Be sure to check which knob your machine requires to ensure proper fit.

CAT40

PSC-475 Fits Cincinnati Milacron, Maho, Mazak, Matsura
PS-475 Fits Acroloc-Bayer, Maho, Mazak
PSC-532x45 Fits Amura-Seiki, Comet, Daewoo, Dah Lih, Haas, Howa Kogyo, Ikegai, Kearny-Trecker, Kia, Kitamura, Miyano, Okuma Howa, YCI
PS-532x45 Fits Amura-Seiki, Comet, Daewoo, Dah Lih, Haas, Howa Kogyo, Ikegai, Kearny-Trecker, Kia, Kitamura, Miyano, Okuma Howa, YCI
PS-532x60 Fits Hitachi-Seiki, Kia, Mitsubishi, Okuma, Matsura, Howa Kogyo, Milltronic
PS-532x90 Fits Kia, Mori Seiki
PS-498 Fits Mazak
PS-552 Fits Cincinnati Milacron
PSC-552 Fits Cincinnati Milacron

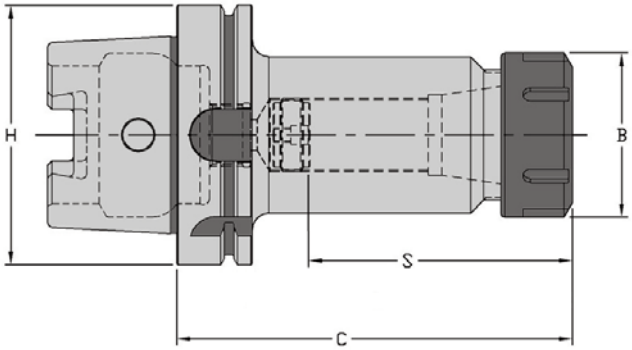
CAT50

PS-536x45 Fits Dah Lih, Haas, Ikegai, Kitamura,LeBlond Makino, YCI
PSC-536x45 Fits Haas, LeBlond Makino
PS-536x60 Fits Mitsubishi, Okuma, Matsura
PS-536x90 Fits Hitachi-Seiki, Mori Seiki, Mazak
PS-274 Fits Mazak
PSC-274 Fits Burgmaster, Devlieg, Excello, Maho, Matsura, Mazak

QUALITY & ACCURACY GUARANTEED

PLEASE NOTE: Retention knobs are available in many different types and sizes. Ultra-Dex USA has provided a list with common machines that fit each of our knobs. Due to the vast amount of machines, please check each machine to verify that you are ordering the proper knob. Retention knob dimensions for each machine can be typically found in the user manual or next to the power supply.

HSK40-63A ER Collet Chucks



NEW SIZES!

Balanced to:
G2.5 (20,000 rpm)
G6.3 (12,000 rpm)

HSK40A ER Collet Chucks

Designation	B Nut Dia.	C Proj.	S Max Depth	H	Collet Nut	Stop Screw	Wrench	G2 Price*	G6 Price*
HSK40A-ER11-250-G2/G6	.750	2.50	1.50	1.57	ER-11HN	ER-11S	ER-11W	**$208.00**	**$188.00**
HSK40A-ER16-300-G2/G6	1.10	3.00	1.70	1.57	ER-16HN	ER-16S	ER-16W	**$208.00**	**$188.00**
HSK40A-ER32-300-G2/G6	1.98	3.00	1.62	1.57	ER-32SN	ER-32S	ER-32W	**$218.00**	**$198.00**

HSK50A ER Collet Chucks

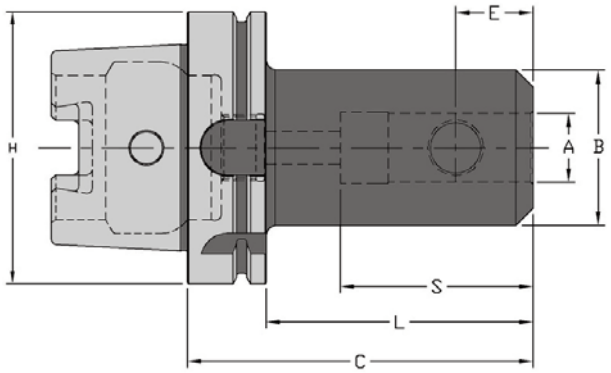
Designation	B Nut Dia.	C Proj.	S Max Depth	H	Collet Nut	Stop Screw	Wrench	G2 Price*	G6 Price*
HSK50A-ER16-300-G2/G6	1.10	3.00	1.61	1.97	ER-16HN	ER-16S	ER-16W	**$249.00**	**$229.00**
HSK50A-ER32-300-G2/G6	1.98	3.00	1.50	1.97	ER-32SN	ER-32S	ER-32W	**$259.00**	**$239.00**

HSK63A ER Collet Chucks

Designation	B Nut Dia.	C Proj.	S Max Depth	H	Collet Nut	Stop Screw	Wrench	G2 Price*	G6 Price*
HSK63A-ER11-600-G2/G6	.750	6.00	1.94	2.48	ER-11HN	ER-11S	ER-11W	**$234.00**	**$214.00**
HSK63A-ER16-400-G2/G6	1.10	4.00	3.00	2.48	ER-16HN	ER-16S	ER-16W	**$204.00**	**$184.00**
HSK63A-ER16-600-G2/G6	1.10	6.00	3.00	2.48	ER-16HN	ER-16S	ER-16W	**$224.00**	**$204.00**
HSK63A-ER32-400-G2/G6	1.98	4.00	4.30	2.48	ER-32SN	ER-32S	ER-32W	**$214.00**	**$194.00**
HSK63A-ER32-600-G2/G6	1.98	6.00	4.30	2.48	ER-32SN	ER-32S	ER-32W	**$234.00**	**$214.00**
HSK63A-ER40-400-G2/G6	2.25	4.00	4.00	2.48	ER-40SN	ER-40S	ER-40W	**$229.00**	**$209.00**
HSK63A-ER40-600-G2/G6	2.25	6.00	4.50	2.48	ER-40SN	ER-40S	ER-40W	**$249.00**	**$229.00**

* Add -G6 or -G2 to end of designation depending on the balance needed.
All Hardware Included. Wrenches Sold Seperately.

Prices are subject to change without notice.



Balanced to:
G2.5 (20,000 rpm)
G6.3 (12,000 rpm)

HSK63A End Mill Holders

Designation	A Endmill Size	B Outside Dia.	C Proj.	S Max Depth	E	H	L	Set Screw	G2 Price*	G6 Price*
HSK63A-EM250-300-G2/G6	.250	.880	3.00	--	.44	2.48	1.98	1/4-28	**$179.00**	**$159.00**
HSK63A-EM250-600-G2/G6	.250	.880	6.00	--	.44	2.48	4.98	1/4-28	**$219.00**	**$199.00**
HSK63A-EM375-300-G2/G6	.375	1.000	3.00	--	.75	2.48	1.98	3/8-24	**$179.00**	**$159.00**
HSK63A-EM375-600-G2/G6	.375	1.000	6.00	--	.75	2.48	4.98	3/8-24	**$219.00**	**$199.00**
HSK63A-EM500-300-G2/G6	.500	1.375	3.00	--	.88	2.48	1.98	7/16-20	**$179.00**	**$159.00**
HSK63A-EM500-600-G2/G6	.500	1.375	6.00	--	.88	2.48	4.98	7/16-20	**$219.00**	**$199.00**
HSK63A-EM625-300-G2/G6	.625	1.750	3.00	2.10	.94	2.48	1.98	9/16-18	**$179.00**	**$159.00**
HSK63A-EM625-600-G2/G6	.625	1.750	6.00	2.10	.94	2.48	4.98	9/16-18	**$219.00**	**$199.00**
HSK63A-EM750-300-G2/G6	.750	1.750	3.00	2.50	1.00	2.48	1.98	5/8-18	**$179.00**	**$159.00**
HSK63A-EM750-600-G2/G6	.750	1.750	6.00	2.50	1.00	2.48	4.98	5/8-18	**$219.00**	**$199.00**
HSK63A-EM100-425-G2/G6	1.000	2.250	4.25	2.83	1.12	2.48	3.23	3/4-16	**$189.00**	**$169.00**
HSK63A-EM100-600-G2/G6	1.000	2.250	6.00	2.83	1.12	2.48	4.98	3/4-16	**$229.00**	**$209.00**
HSK63A-EM125-425-G2/G6	1.250	2.250	4.25	3.00	1.12	2.48	3.23	(2) 3/4-16	**$189.00**	**$169.00**
HSK63A-EM125-600-G2/G6	1.250	2.250	6.00	3.00	1.12	2.48	4.98	(2) 3/4-16	**$229.00**	**$209.00**

* Add -G6 or -G2 to end of designation depending on the balance needed.
All Hardware Included

- **DIN 69893 Specification**
- Harnesses Centrifugal Forces to Increase Joint Strength
- Highest Static and Dynamic Rigidity
- Lowest Load for the Spindle Bearing
- Lowest Tool Runout
- Hardened and Tempered to Prevent Cracking
- Through Spindle Coolant Capability

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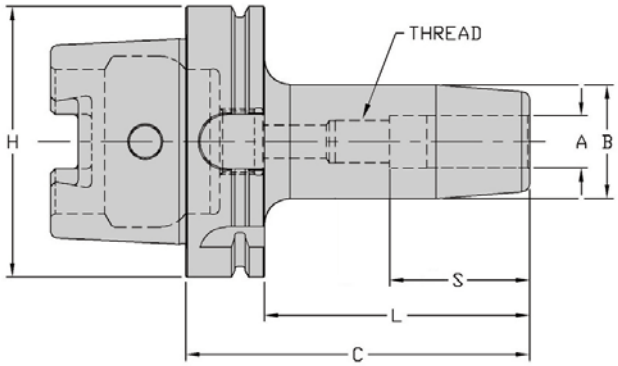
HSK63A Shrink-Fit Holders (English)



QUALITY & ACCURACY GUARANTEED

Balanced to:
G2.5 (20,000 rpm)

HSK63A Shrink-Fit Holders (Std. Length)

Designation	A	B	C	S	L	H	Thread	Price
HSK63A-SF012-400-G2	.125	1.06	4.00	.79	2.98	2.48	--	**$219.00**
HSK63A-SF188-400-G2	.188	1.06	4.00	.79	2.98	2.48	--	**$199.00**
HSK63A-SF250-400-G2	.250	1.06	4.00	1.42	2.98	2.48	--	**$199.00**
HSK63A-SF375-400-G2	.375	1.26	4.00	1.53	2.98	2.48	1/4-28	**$199.00**
HSK63A-SF500-400-G2	.500	1.34	4.00	1.85	2.98	2.48	7/16-20	**$199.00**
HSK63A-SF625-400-G2	.625	1.34	4.00	1.97	2.98	2.48	9/16-18	**$199.00**
HSK63A-SF750-400-G2	.750	1.65	4.00	2.04	2.98	2.48	5/8-18	**$199.00**
HSK63A-SF100-500-G2	1.000	2.09	5.00	2.28	3.98	2.48	3/4-16	**$209.00**
HSK63A-SF125-500-G2	1.250	2.09	5.00	2.28	3.98	2.48	3/4-16	**$209.00**

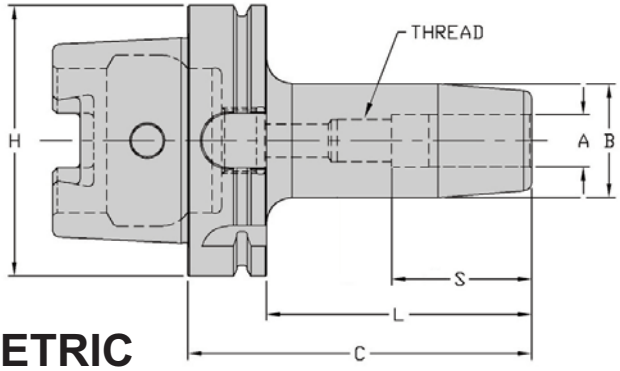
HSK63A Shrink-Fit Holders (Ext. Length)

Designation	A	B	C	S	L	H	Thread	Price
HSK63A-SF375-600-G2	.375	1.26	6.00	1.53	4.98	2.48	1/4-28	**$229.00**
HSK63A-SF500-600-G2	.500	1.34	6.00	1.85	4.98	2.48	7/16-20	**$229.00**
HSK63A-SF750-600-G2	.750	1.65	6.00	2.04	4.98	2.48	5/8-18	**$229.00**
HSK63A-SF100-700-G2	1.000	2.09	7.00	2.28	5.98	2.48	3/4-16	**$239.00**

- BEST Possible T.I.R.
- BEST Available Gripping Power
- BEST Possible Balance
- Fastest Tool Change - In Seconds!
- Ability to Preset for Required Tool Length
- Increased Tool and Spindle Life

MADE IN USA

Prices are subject to change without notice.



NEW METRIC SIZES!

METRIC

HSK63A Shrink-Fit Holders (Std. Length)

Balanced to:
G2.5 (20,000 rpm)

Designation	A	B	C	S	L	H	Thread	Price
HSK63A-SF06-400-G2	6mm	1.063	4.00	2.167	2.98	2.478	10-32	**$199.00**
HSK63A-SF08-400-G2	8mm	1.063	4.00	1.970	2.98	2.478	1/4-28	**$199.00**
HSK63A-SF10-400-G2	10mm	1.260	4.00	2.207	2.98	2.478	1/4-28	**$199.00**
HSK63A-SF12-400-G2	12mm	1.260	4.00	2.404	2.98	2.478	7/16-20	**$199.00**
HSK63A-SF16-400-G2	16mm	1.339	4.00	2.522	2.98	2.478	9/16-18	**$199.00**
HSK63A-SF20-400-G2	20mm	1.654	4.00	2.600	2.98	2.478	5/8-18	**$199.00**
HSK63A-SF25-500-G2	25mm	2.087	5.00	2.912	3.98	2.478	3/4-16	**$209.00**

HSK63A Shrink-Fit Holders (Ext. Length)

Designation	A	B	C	S	L	H	Thread	Price
HSK63A-SF06-600-G2	6mm	1.063	6.00	2.167	4.98	2.478	10-32	**$229.00**
HSK63A-SF08-600-G2	8mm	1.063	6.00	1.970	4.98	2.478	1/4-28	**$229.00**
HSK63A-SF10-600-G2	10mm	1.260	6.00	2.207	4.98	2.478	1/4-28	**$229.00**
HSK63A-SF12-600-G2	12mm	1.260	6.00	2.404	4.98	2.478	7/16-20	**$229.00**
HSK63A-SF16-600-G2	16mm	1.260	6.00	2.522	4.98	2.478	9/16-18	**$229.00**
HSK63A-SF20-600-G2	20mm	1.654	6.00	2.600	4.98	2.478	5/8-18	**$229.00**
HSK63A-SF25-700-G2	25mm	2.087	7.00	2.912	5.98	2.478	3/4-16	**$229.00**

In-House BALANCING SERVICE available for all types of shanks!

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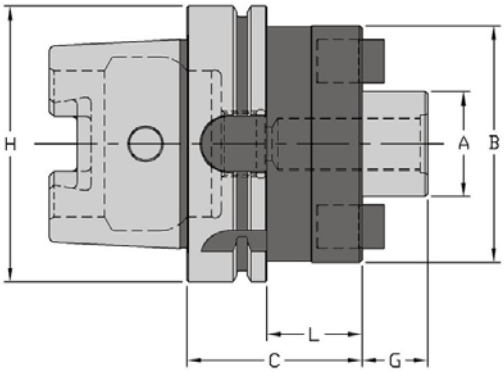
HSK63A Shell Mill Holders / BLANKS

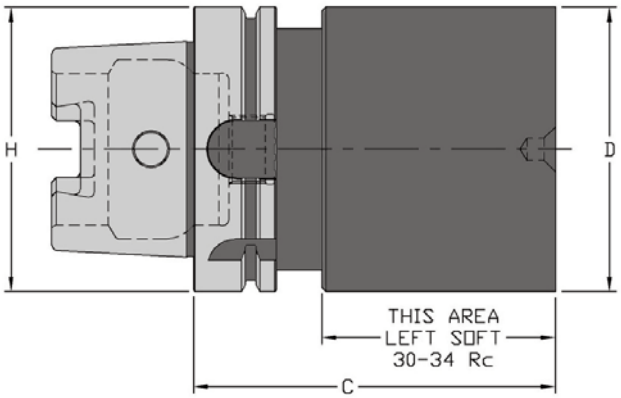


HSK63A Shell Mill Holders

Balanced to:
G6.3 (12,000 rpm)

Designation	A Pilot Dia.	B Dia.	C Proj.	G	H	L	Drive Key	Lock Screw	Thread	Price
HSK63A-SM075-200	.75	1.75	2.00	.68	2.48	.98	UDK 312	U5002	3/8-24	**$229.00**
HSK63A-SM100-250	1.00	2.19	2.50	.68	2.48	1.48	UDK 375	U5003	1/2-20	**$234.00**
HSK63A-SM125-250	1.25	2.75	2.50	.68	2.48	1.48	UDK 500	U5004	5/8-18	**$244.00**
HSK63A-SM150-250	1.50	3.38	2.50	.94	2.48	1.48	UDK 625	U5005	3/4-16	**$259.00**

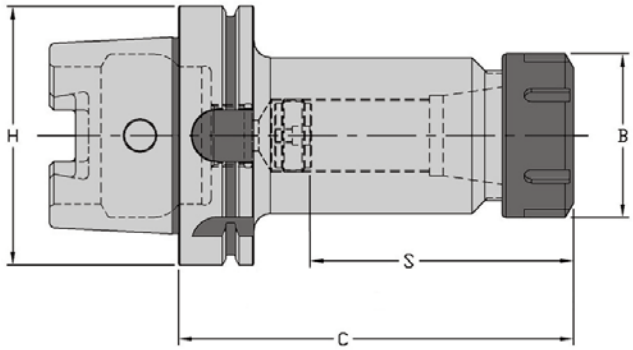
All Hardware Included



HSK Style Blanks

Designation	Taper	D mm	D Inch	C mm	C Inch	Price
HSK40A-BB50-120	HSK40A	50	1.97	120	4.72	**$159.00**
HSK50A-BB100-125	HSK50A	100	3.94	125	4.92	**$209.00**
HSK50A-BB50-150	HSK50A	50	1.97	150	5.91	**$169.00**
HSK50A-BB75-200	HSK50A	75	2.95	200	7.87	**$209.00**
HSK63A-BB125-150	HSK63A	125	4.92	150	5.91	**$297.00**
HSK63A-BB64-150	HSK63A	64	2.52	150	5.91	**$209.00**
HSK63A-BB64-250	HSK63A	64	2.52	250	9.84	**$229.00**
HSK63A-BB89-89	HSK63A	89	3.50	89	3.50	**$229.00**

Prices are subject to change without notice.



NEW SIZES!

Balanced to:
G2.5 (15,000 rpm)
G6.3 (12,000 rpm)

HSK80A ER Collet Chucks

Designation	B Nut Dia.	C Proj.	S Max Depth	H	Collet Nut	Stop Screw	Wrench	G2 Price*	G6 Price*
HSK80A-ER16-400-G2/G6	1.10	4.00	2.40	3.15	ER-16N	ER-16S	ER-16W	**$299.00**	**$279.00**
HSK80A-ER32-400-G2/G6	1.98	4.00	2.05	3.15	ER-32N	ER-32S	ER-32W	**$309.00**	**$289.00**

HSK100A ER Collet Chucks

Designation	B Nut Dia.	C Proj.	S Max Depth	H	Collet Nut	Stop Screw	Wrench	G2 Price*	G6 Price*
HSK100A-ER16-400-G2/G6	1.10	4.00	3.00	3.93	ER-16HN	ER-16S	ER-16W	**$259.00**	**$239.00**
HSK100A-ER16-600-G2/G6	1.10	6.00	3.00	3.93	ER-16HN	ER-16S	ER-16W	**$279.00**	**$259.00**
HSK100A-ER32-400-G2/G6	1.98	4.00	4.30	3.93	ER-32SN	ER-32S	ER-32W	**$274.00**	**$254.00**
HSK100A-ER32-600-G2/G6	1.98	6.00	4.30	3.93	ER-32SN	ER-32S	ER-32W	**$294.00**	**$274.00**
HSK100A-ER40-400-G2/G6	2.25	4.00	4.00	3.93	ER-40SN	ER-40S	ER-40W	**$279.00**	**$259.00**
HSK100A-ER40-600-G2/G6	2.25	6.00	4.50	3.93	ER-40SN	ER-40S	ER-40W	**$299.00**	**$279.00**

HSK125A ER Collet Chucks

Designation	B Nut Dia.	C Proj.	S Max Depth	H	Collet Nut	Stop Screw	Wrench	G2 Price*	G6 Price*
HSK125A-ER16-500-G6	1.10	5.00	3.10	4.92	ER-16HN	ER-16S	ER-16W	--	**$485.00**
HSK125A-ER40-500-G6	2.25	5.00	2.80	4.92	ER-40SN	ER-40S	ER-40W	--	**$495.00**

* Add -G6 or -G2 to end of designation depending on the balance needed.
All Hardware Included. Wrenches Sold Seperately.

MADE IN USA

- **DIN 69893 Specification**
- Harnesses Centrifugal Forces to Increase Joint Strength
- Highest Static and Dynamic Rigidity
- Lowest Load for the Spindle Bearing
- Lowest Tool Runout
- Hardened and Tempered to Prevent Cracking
- Through Spindle Coolant Capability

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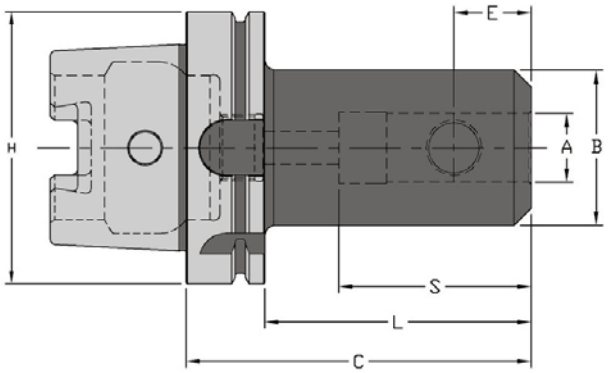


HSK100A End Mill Holders

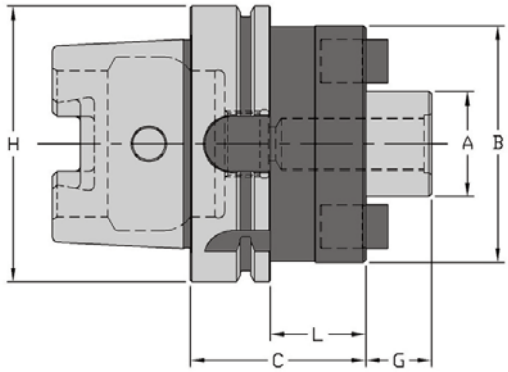
Balanced to:
G2.5 (15,000 rpm)
G6.3 (12,000 rpm)

Designation	A Endmill Size	B Outside Dia.	C Proj.	S Max Depth	E	H	L	Set Screw	G2 Price*	G6 Price*
HSK100A-EM250-400-G2/G6	.250	.880	4.00	--	.44	3.94	2.86	1/4-28	**$219.00**	**$199.00**
HSK100A-EM250-600-G2/G6	.250	.880	6.00	--	.44	3.94	4.86	1/4-28	**$259.00**	**$239.00**
HSK100A-EM375-400-G2/G6	.375	1.000	4.00	--	.75	3.94	2.86	3/8-24	**$219.00**	**$199.00**
HSK100A-EM375-600-G2/G6	.375	1.000	6.00	--	.75	3.94	4.86	3/8-24	**$259.00**	**$239.00**
HSK100A-EM500-400-G2/G6	.500	1.375	4.00	--	.88	3.94	2.86	7/16-20	**$219.00**	**$199.00**
HSK100A-EM500-600-G2/G6	.500	1.375	6.00	--	.88	3.94	4.86	7/16-20	**$259.00**	**$239.00**
HSK100A-EM625-400-G2/G6	.625	1.750	4.00	2.10	.94	3.94	2.86	9/16-18	**$219.00**	**$199.00**
HSK100A-EM625-600-G2/G6	.625	1.750	6.00	2.10	.94	3.94	4.86	9/16-18	**$259.00**	**$239.00**
HSK100A-EM750-400-G2/G6	.750	1.750	4.00	2.50	1.00	3.94	2.86	5/8-18	**$219.00**	**$199.00**
HSK100A-EM750-600-G2/G6	.750	1.750	6.00	2.50	1.00	3.94	4.86	5/8-18	**$259.00**	**$239.00**
HSK100A-EM100-400-G2/G6	1.000	2.250	4.00	2.83	1.12	3.94	2.86	3/4-16	**$219.00**	**$199.00**
HSK100A-EM100-600-G2/G6	1.000	2.250	6.00	2.83	1.12	3.94	4.86	3/4-16	**$259.00**	**$239.00**
HSK100A-EM125-425-G2/G6	1.250	2.250	4.25	3.00	1.12	3.94	3.11	(2) 3/4-16	**$239.00**	**$219.00**
HSK100A-EM125-600-G2/G6	1.250	2.250	6.00	3.00	1.12	3.94	4.86	(2) 3/4-16	**$299.00**	**$279.00**
HSK100A-EM150-450-G2/G6	1.500	2.750	4.50	2.75	1.12	3.94	3.36	3/4-16	**$259.00**	**$239.00**
HSK100A-EM200-550-G2/G6	2.000	3.750	5.50	3.50	1.41	3.94	4.36	3/4-16	**$279.00**	**$259.00**

* Add -G6 or -G2 to end of designation depending on the balance needed.
All Hardware Included

- **DIN 69893 Specification**
- Harnesses Centrifugal Forces to Increase Joint Strength
- Highest Static and Dynamic Rigidity
- Lowest Load for the Spindle Bearing
- Lowest Tool Runout
- Hardened and Tempered to Prevent Cracking
- Through Spindle Coolant Capability

Prices are subject to change without notice.



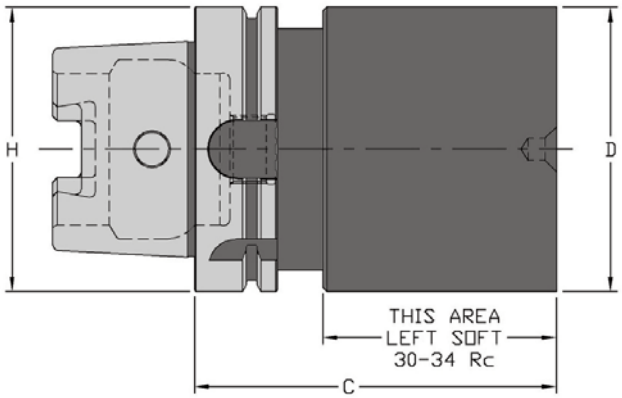
QUALITY & ACCURACY GUARANTEED

Balanced to:
G6.3 (12,000 rpm)

HSK100A Shell Mill Holders

Designation	A Pilot Dia.	B Dia.	C Proj.	G	H	L	Drive Key	Lock Screw	Thread	Price
HSK100A-SM075-200	.75	1.75	2.00	.68	3.94	.86	UDK 312	U5002	3/8-24	**$269.00**
HSK100A-SM100-200	1.00	2.19	2.00	.68	3.94	.86	UDK 375	U5003	1/2-20	**$269.00**
HSK100A-SM125-250	1.25	2.75	2.50	.68	3.94	1.36	UDK 500	U5004	5/8-18	**$279.00**
HSK100A-SM150-250	1.50	3.38	2.50	.94	3.94	1.36	UDK 625	U5005	3/4-16	**$279.00**
HSK100A-SM200-300	2.00	4.44	3.00	.94	3.94	1.86	UDK 750	U5006	1-14	**$309.00**

All Hardware Included



New!

HSK Style Blanks

Designation	Taper	D mm	D Inch	C mm	C Inch	Price
HSK80A-BB150-150	HSK80A	150	5.91	150	5.91	**$329.00**
HSK80A-BB80-250	HSK80A	80	3.15	250	9.84	**$259.00**
HSK100A-BB100-150	HSK100A	100	3.94	150	5.91	**$249.00**
HSK100A-BB100-250	HSK100A	100	3.94	250	9.84	**$299.00**
HSK100A-BB150-200	HSK100A	150	5.91	200	7.87	**$389.00**
HSK125A-BB125-305	HSK125A	125	4.92	305	12.01	**$479.00**
HSK125A-BB150-200	HSK125A	150	5.91	200	7.87	**$499.00**

Hardware
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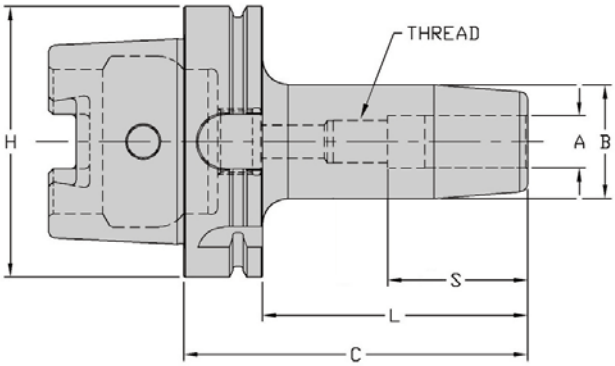


QUALITY & ACCURACY GUARANTEED

Balanced to:
G2.5 (15,000 rpm)

HSK100A Shrink-Fit Holders **(Std. Length)**

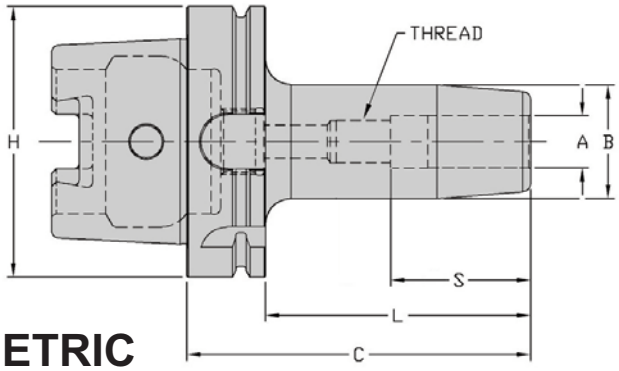
Designation	A	B	C	S	L	H	Thread	Price
HSK100A-SF012-400-G2	.125	1.06	4.00	.79	2.86	3.93	--	**$349.00**
HSK100A-SF188-400-G2	.188	1.06	4.00	.79	2.86	3.93	--	**$329.00**
HSK100A-SF250-400-G2	.250	1.06	4.00	1.42	2.86	3.93	--	**$329.00**
HSK100A-SF375-400-G2	.375	1.26	4.00	1.53	2.86	3.93	1/4-28	**$329.00**
HSK100A-SF500-400-G2	.500	1.34	4.00	1.85	2.86	3.93	7/16-20	**$329.00**
HSK100A-SF625-400-G2	.625	1.34	4.00	1.97	2.86	3.93	9/16-18	**$329.00**
HSK100A-SF750-500-G2	.750	1.65	5.00	2.04	3.86	3.93	5/8-18	**$339.00**
HSK100A-SF100-500-G2	1.000	2.09	5.00	2.28	3.86	3.93	3/4-16	**$339.00**
HSK100A-SF125-500-G2	1.250	2.09	5.00	2.28	3.86	3.93	3/4-16	**$339.00**

HSK100A Shrink-Fit Holders **(Ext. Length)**

Designation	A	B	C	S	L	H	Thread	Price
HSK100A-SF375-600-G2	.375	1.26	6.00	1.53	4.86	3.93	1/4-28	**$349.00**
HSK100A-SF500-600-G2	.500	1.34	6.00	1.85	4.86	3.93	7/16-20	**$349.00**
HSK100A-SF750-700-G2	.750	1.65	7.00	2.04	5.86	3.93	5/8-18	**$359.00**
HSK100A-SF100-700-G2	1.000	2.09	7.00	2.28	5.86	3.93	3/4-16	**$359.00**
HSK100A-SF125-700-G2	1.250	2.09	7.00	2.28	5.86	3.93	3/4-16	**$359.00**

- BEST Possible T.I.R.
- BEST Available Gripping Power
- BEST Possible Balance
- Fastest Tool Change - In Seconds!
- Ability to Preset for Required Tool Length
- Increased Tool and Spindle Life

Prices are subject to change without notice.



NEW METRIC SIZES!

METRIC

HSK100A Shrink-Fit Holders (Std. Length)

Balanced to:
G2.5 (15,000 rpm)

Designation	A	B	C	S	L	H	Thread	Price
HSK100A-SF06-400-G2	6mm	1.063	4.00	2.167	2.98	3.934	10-32	**$329.00**
HSK100A-SF08-400-G2	8mm	1.063	4.00	1.970	2.98	3.934	1/4-28	**$329.00**
HSK100A-SF10-400-G2	10mm	1.260	4.00	2.207	2.98	3.934	1/4-28	**$329.00**
HSK100A-SF12-400-G2	12mm	1.260	4.00	2.404	2.98	3.934	7/16-20	**$329.00**
HSK100A-SF16-400-G2	16mm	1.339	4.00	2.522	2.98	3.934	9/16-18	**$329.00**
HSK100A-SF20-500-G2	20mm	1.654	5.00	2.600	3.98	3.934	5/8-18	**$339.00**
HSK100A-SF25-500-G2	25mm	2.087	5.00	2.912	3.98	3.934	3/4-16	**$339.00**
HSK100A-SF32-500-G2	32mm	2.087	5.00	2.912	3.98	3.934	3/4-16	**$339.00**

HSK100A Shrink-Fit Holders (Ext. Length)

Designation	A	B	C	S	L	H	Thread	Price
HSK100A-SF06-600-G2	6mm	1.063	6.00	2.167	4.98	3.934	10-32	**$349.00**
HSK100A-SF08-600-G2	8mm	1.063	6.00	1.970	4.98	3.934	1/4-28	**$349.00**
HSK100A-SF10-600-G2	10mm	1.260	6.00	2.207	4.98	3.934	1/4-28	**$349.00**
HSK100A-SF12-600-G2	12mm	1.260	6.00	2.404	4.98	3.934	7/16-20	**$349.00**
HSK100A-SF16-600-G2	16mm	1.260	6.00	2.522	4.98	3.934	9/16-18	**$349.00**
HSK100A-SF20-700-G2	20mm	1.654	7.00	2.600	5.98	3.934	5/8-18	**$359.00**
HSK100A-SF25-700-G2	25mm	2.087	7.00	2.912	5.98	3.934	3/4-16	**$359.00**
HSK100A-SF32-700-G2	32mm	2.087	7.00	2.912	5.98	3.934	3/4-16	**$359.00**

WE DO SPECIALS!
CAT40/50/60, BT, HSK...
ANY type ANY size

CALL FOR PRICING
810-638-5388

Hardware
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HSK Coolant Tubes

Designation	Description	Price
HSK40A-CT	HSK40A Coolant Tube	**$33.30**
HSK50A-CT	HSK50A Coolant Tube	**$37.00**
HSK63A-CT	HSK63A Coolant Tube	**$14.30**
HSK80A-CT	HSK80A Coolant Tube	**$38.00**
HSK100A-CT	HSK100A Coolant Tube	**$19.60**
HSK125A-CT	HSK125A Coolant Tube	**$41.00**

MADE IN USA

HSK Coolant Tube Sockets

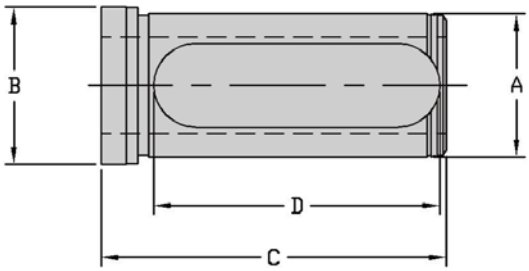
Designation	Description	Price
HSK40A-S	HSK40A Coolant Tube Socket (3/8” Drive)	**$51.00**
HSK50A-S	HSK50A Coolant Tube Socket (3/8” Drive)	**$52.50**
HSK63A-S	HSK63A Coolant Tube Socket (3/8” Drive)	**$29.00**
HSK80A-S	HSK80A Coolant Tube Socket (3/8” Drive)	**$62.50**
HSK100A-S	HSK100A Coolant Tube Socket (1/2” Drive)	**$35.00**
HSK125A-S	HSK125A Coolant Tube Socket (1/2” Drive)	**$35.00**

SAME DAY SHIPPING

On orders placed before 3:30pm EST

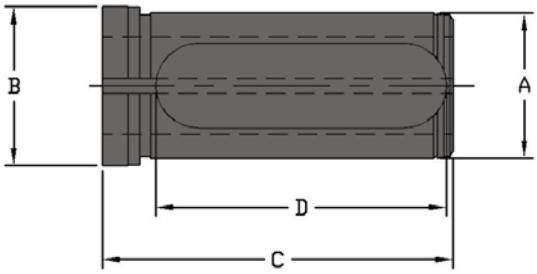
SEE PAGE 167 for more details

Prices are subject to change without notice.



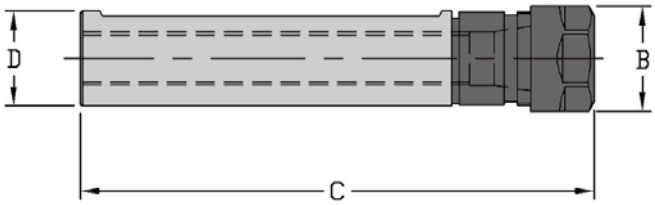
"C" Style Tool Bushings

Designation	A Dia.	B Bore Size	C Length Under Head	D Length of Slot	Price
UT-12C-037	1.25	.375	3.250	2.75	**$69.00**
UT-12C-050	1.25	.500	3.250	2.75	**$69.00**
UT-12C-062	1.25	.625	3.250	2.75	**$69.00**
UT-12C-075	1.25	.750	3.250	2.75	**$69.00**
UT-12C-100	1.25	1.000	3.250	2.75	**$69.00**
UT-13C-037	1.50	.375	3.375	3.00	**$78.00**
UT-13C-050	1.50	.500	3.375	3.00	**$78.00**
UT-13C-062	1.50	.625	3.375	3.00	**$78.00**
UT-13C-075	1.50	.750	3.375	3.00	**$78.00**
UT-13C-100	1.50	1.000	3.375	3.00	**$78.00**
UT-13C-125	1.50	1.250	3.375	3.00	**$78.00**



"CX" Style Tool Bushings

Designation	A Dia.	B Bore Size	C Length Under Head	D Length of Slot	Price
UT-12CX-037	1.25	.375	3.250	2.75	**$89.00**
UT-12CX-050	1.25	.500	3.250	2.75	**$89.00**
UT-12CX-062	1.25	.625	3.250	2.75	**$89.00**
UT-12CX-075	1.25	.750	3.250	2.75	**$89.00**
UT-12CX-100	1.25	1.000	3.250	2.75	**$89.00**
UT-13CX-037	1.50	.375	3.375	3.00	**$109.00**
UT-13CX-050	1.50	.500	3.375	3.00	**$109.00**
UT-13CX-062	1.50	.625	3.375	3.00	**$109.00**
UT-13CX-075	1.50	.750	3.375	3.00	**$109.00**
UT-13CX-100	1.50	1.000	3.375	3.00	**$109.00**
UT-13CX-125	1.50	1.250	3.375	3.00	**$109.00**



(English)

Steel Straight Shank Collet Chucks — Coolant Thru

Designation	Series	Range	B Dia.	C OAL	D Dia.	Collet Nut	Screw	Collet Wrench	Price
SS075-ER16-250	ER16	.020" – .406" (.5mm - 10mm) 1/32" - 13/32"	1.10	2.50	.75	ER-16HN	ER-16S	ER-16W	**$59.95**
SS075-ER16-400	ER16		1.10	4.00	.75	ER-16HN	ER-16S	ER-16W	**$64.95**
SS100-ER16-250	ER16		1.10	2.50	1.00	ER-16HN	ER-16S	ER-16W	**$59.95**
SS100-ER16-400	ER16		1.10	4.00	1.00	ER-16HN	ER-16S	ER-16W	**$64.95**
SS100-ER16-600	ER16		1.10	6.00	1.00	ER-16HN	ER-16S	ER-16W	**$69.95**
SS075-ER20-250	ER20	.020" – .500" (.5mm – 13mm) 1/32" - 1/2"	1.34	2.50	.75	ER-20HN	ER-20S	ER-20W	**$59.95**
SS075-ER20-400	ER20		1.34	4.00	.75	ER-20HN	ER-20S	ER-20W	**$64.95**
SS100-ER20-250	ER20		1.34	2.50	1.00	ER-20HN	ER-20S	ER-20W	**$59.95**
SS100-ER20-400	ER20		1.34	4.00	1.00	ER-20HN	ER-20S	ER-20W	**$64.95**
SS100-ER20-600	ER20		1.34	6.00	1.00	ER-20HN	ER-20S	ER-20W	**$69.95**

(Metric)

Steel Straight Shank Collet Chucks — Coolant Thru

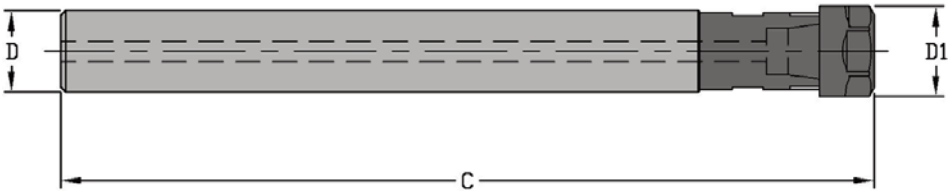
Designation	Series	Range	B Dia.	C OAL	D Dia.	Collet Nut	Screw	Collet Wrench	Price
SS22MM-ER16-250	ER16	.020" – .406" (.5mm - 10mm) 1/32" - 13/32"	1.10	2.50	22mm	ER-16HN	ER-16S	ER-16W	**$69.95**
SS22MM-ER20-250	ER20	.020" – .500" (.5mm – 13mm) 1/32" - 1/2"	1.10	2.50	22mm	ER-20HN	ER-20S	ER-20W	**$69.95**

All Hardware Included. Wrenches Sold Seperately.

- Adjustable Stop Screw Allows Drills to be Pre-Set
- Balanced for Less Vibration & Longer Tool Life
- T.I.R. .0002
- Hardened & Tempered to Prevent Cracking
- Balanced Nuts (G2.5 at 15,000 RPM)
- Special Lengths Available

QUALITY & ACCURACY GUARANTEED

Prices are subject to change without notice.



MADE IN USA

(w/ Flat)

Carbide Straight Shank Collet Chucks — Coolant Thru

Designation	Series	Range	C OAL	D Dia.	D1 Dia.	Price
ST1/2 X 8.000 ER11 C W	ER11	.062 -.250 (1.5mm - 6.4mm) 1/16" - 1/4"	8	.500	.625	$246.00
ST5/8 X 7.000 ER11 C W	ER11		7	.625	.625	$295.00
ST5/8 X 10.000 ER11 C W	ER11		10	.625	.625	$346.00
ST3/4 X 7.000 ER16 C W	ER16	.062 -.406 (1.5mm - 10.3mm) 1/16" - 13/32"	7	.750	.875	$366.00
ST3/4 X 10.000 ER16 C W	ER16		10	.750	.875	$395.00
ST1 X 8.000 ER16 C W	ER16		8	1.000	.875	$529.00
ST1 X 12.000 ER16 C W	ER16		12	1.000	.875	$662.00
ST5/8 X 7.000 ER20 C W	ER20	.094 -.500 (2.4mm - 13mm) 3/32" - 1/2"	7	.625	1.125	$295.00
ST5/8 X 10.000 ER20 C W	ER20		10	.625	1.125	$346.00
ST3/4 X 7.000 ER20 C W	ER20		7	.750	1.125	$366.00
ST3/4 X 10.000 ER20 C W	ER20		10	.750	1.125	$395.00
ST1 X 8.000 ER20 C W	ER20		8	1.000	1.125	$529.00
ST1 X 12.000 ER20 C W	ER20		12	1.000	1.125	$662.00

(w/o Flat)

Carbide Straight Shank Collet Chucks — Coolant Thru

Designation	Series	Range	C OAL	D Dia.	D1 Dia.	Price
ST1/2 X 8.000 ER11 C	ER11	.062 -.250 (1.5mm - 6.4mm) 1/16" - 1/4"	8	.500	.625	$246.00
ST5/8 X 7.000 ER11 C	ER11		7	.625	.625	$295.00
ST5/8 X 10.000 ER11 C	ER11		10	.625	.625	$346.00
ST3/4 X 7.000 ER16 C	ER16	.062 -.406 (1.5mm - 10.3mm) 1/16" - 13/32"	7	.750	.875	$366.00
ST3/4 X 10.000 ER16 C	ER16		10	.750	.875	$395.00
ST1 X 8.000 ER16 C	ER16		8	1.000	.875	$529.00
ST1 X 12.000 ER16 C	ER16		12	1.000	.875	$662.00
ST5/8 X 7.000 ER20 C	ER20	.094 -.500 (2.4mm - 13mm) 3/32" - 1/2"	7	.625	1.125	$295.00
ST5/8 X 10.000 ER20 C	ER20		10	.625	1.125	$346.00
ST3/4 X 7.000 ER20 C	ER20		7	.750	1.125	$366.00
ST3/4 X 10.000 ER20 C	ER20		10	.750	1.125	$395.00
ST1 X 8.000 ER20 C	ER20		8	1.000	1.125	$529.00
ST1 X 12.000 ER20 C	ER20		12	1.000	1.125	$662.00

All Hardware Included. Wrenches Sold Seperately.

Hardware pg: 164
Collets pg: 150

ER11 Collets

Designation	Size	Price
ER11C-0625*	1/16	$12.95
ER11C-0937*	3/32	$12.95
ER11C-1250*	1/8	$12.95
ER11C-1562*	5/32	$12.95

Designation	Size	Price
ER11C-1875*	3/16	$14.95
ER11C-2187*	7/32	$14.95
ER11C-2500*	1/4	$14.95

ER16 Collets

Designation	Size	Price
ER16C-0625	1/16	$12.95
ER16C-0937*	3/32	$12.95
ER16C-1250*	1/8	$12.95
ER16C-1562*	5/32	$12.95
ER16C-1875*	3/16	$12.95
ER16C-2187*	7/32	$12.95

Designation	Size	Price
ER16C-2500*	1/4	$12.95
ER16C-2812*	9/32	$12.95
ER16C-3125*	5/16	$12.95
ER16C-3437*	11/32	$12.95
ER16C-3750*	3/8	$12.95
ER16C-4062	13/32	$12.95

ER20 Collets

Designation	Size	Price
ER20C-0937	3/32	$12.95
ER20C-1250*	1/8	$12.95
ER20C-1562*	5/32	$12.95
ER20C-1875*	3/16	$12.95
ER20C-2187*	7/32	$12.95
ER20C-2500*	1/4	$12.95
ER20C-2812*	9/32	$12.95

Designation	Size	Price
ER20C-3125*	5/16	$12.95
ER20C-3437	11/32	$12.95
ER20C-3750*	3/8	$12.95
ER20C-4062	13/32	$12.95
ER20C-4375*	7/16	$12.95
ER20C-4687	15/32	$12.95
ER20C-5000*	1/2	$12.95

ER25 Collets

Designation	Size	Price
ER25C-1250	1/8	$13.95
ER25C-1562*	5/32	$13.95
ER25C-1875*	3/16	$13.95
ER25C-2187*	7/32	$13.95
ER25C-2500*	1/4	$13.95
ER25C-2812	9/32	$13.95
ER25C-3125*	5/16	$13.95
ER25C-3437	11/32	$13.95
ER25C-3750*	3/8	$13.95

Designation	Size	Price
ER25C-4062	13/32	$13.95
ER25C-4375*	7/16	$13.95
ER25C-4687	15/32	$13.95
ER25C-5000*	1/2	$13.95
ER25C-5312	17/32	$13.95
ER25C-5625*	9/16	$13.95
ER25C-5937	19/32	$13.95
ER25C-6250*	5/8	$13.95

These collets are currently manufactured by our partners in the tooling industry and not by Ultra-Dex USA at this time.

Standard .0004 T.I.R.

Collet Series	A	B
ER11	11.5mm (.453 in)	18mm (.709 in)
ER16	17mm (.669 in)	27mm (1.063 in)
ER20	21mm (.827 in)	31mm (1.220 in)
ER25	26mm (1.024 in)	35mm (1.378 in)
ER32	33mm (1.299 in)	40mm (1.575 in)
ER40	41mm (1.614 in)	46mm (1.811 in)

ER32 Collets

Designation	Size	Price
ER32C-0937	3/32	$13.95
ER32C-1250*	1/8	$13.95
ER32C-1562	5/32	$13.95
ER32C-1875*	3/16	$13.95
ER32C-2187	7/32	$13.95
ER32C-2500*	1/4	$13.95
ER32C-2812	9/32	$13.95
ER32C-3125*	5/16	$13.95
ER32C-3437	11/32	$13.95
ER32C-3750*	3/8	$13.95
ER32C-4062	13/32	$13.95

Designation	Size	Price
ER32C-4375*	7/16	$13.95
ER32C-4687	15/32	$13.95
ER32C-5000*	1/2	$13.95
ER32C-5312	17/32	$13.95
ER32C-5625*	9/16	$13.95
ER32C-5937	19/32	$13.95
ER32C-6250*	5/8	$13.95
ER32C-6562	21/32	$13.95
ER32C-6875	11/16	$13.95
ER32C-7187	23/32	$13.95
ER32C-7500*	3/4	$13.95

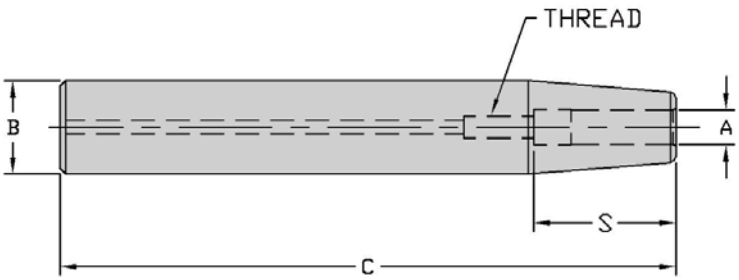
ER40 Collets

Designation	Size	Price
ER40C-1250*	1/8	$15.95
ER40C-1562	5/32	$15.95
ER40C-1875*	3/16	$15.95
ER40C-2187	7/32	$15.95
ER40C-2500*	1/4	$15.95
ER40C-2812	9/32	$15.95
ER40C-3125*	5/16	$15.95
ER40C-3437	11/32	$15.95
ER40C-3750*	3/8	$15.95
ER40C-4062	13/32	$15.95
ER40C-4375	7/16	$15.95
ER40C-4687	15/32	$15.95

Designation	Size	Price
ER40C-5000*	1/2	$15.95
ER40C-5312	17/32	$15.95
ER40C-5625	9/16	$15.95
ER40C-5937	19/32	$15.95
ER40C-6250*	5/8	$15.95
ER40C-6562	21/32	$15.95
ER40C-6875	11/16	$15.95
ER40C-7187	23/32	$15.95
ER40C-7500*	3/4	$15.95
ER40C-8125	13/16	$15.95
ER40C-8750*	7/8	$15.95
ER40C-1000*	1	$15.95

ER Collet Sets

Designation	Description	Price
ER11CS	7 pcs (items with "*" in ER11 section included)	$94.90
ER16CS	10 pcs (items with "*" in ER16 section included)	$119.95
ER20CS	10 pcs (items with "*" in ER20 section included)	$119.95
ER25CS	10 pcs (items with "*" in ER25 section included)	$129.95
ER32CS	10 pcs (items with "*" in ER32 section included)	$129.95
ER40CS	10 pcs (items with "*" in ER40 section included)	$139.95



QUALITY & ACCURACY GUARANTEED

Shrink-Fit Extensions

Designation	A	B	C	S	Thread	Price
SS050-SF012-463	.125	.50	4.63	.79	--	**$124.00**
SS050-SF188-463	.188	.50	4.63	.79	--	**$114.00**
SS075-SF012-463	.125	.75	4.63	.79	--	**$129.00**
SS075-SF188-463	.188	.75	4.63	.79	--	**$119.00**
SS075-SF250-463	.250	.75	4.63	1.42	10-32	**$119.00**
SS075-SF375-463	.375	.75	4.63	1.53	1/4-28	**$119.00**
SS100-SF500-463	.500	1.00	4.63	1.85	7/16-20	**$134.00**
SS100-SF625-463	.625	1.00	4.63	1.97	9/16-18	**$134.00**
SS125-SF750-500	.750	1.25	5.00	2.04	5/8-18	**$139.00**
SS075-SF012-663	.125	.75	6.63	.79	--	**$139.00**
SS075-SF188-663	.188	.75	6.63	.79	--	**$129.00**
SS075-SF250-663	.250	.75	6.63	1.42	10-32	**$129.00**
SS100-SF375-663	.375	1.00	6.63	1.53	1/4-28	**$129.00**
SS100-SF500-663	.500	1.00	6.63	1.85	7/16-20	**$144.00**
SS125-SF625-700	.625	1.25	7.00	1.97	1/4-28	**$159.00**
SS125-SF750-700	.750	1.25	7.00	1.42	5/8-18	**$179.00**
SS100-SF012-863	.125	1.00	8.63	.79	--	**$159.00**
SS100-SF188-863	.188	1.00	8.63	.79	--	**$149.00**
SS100-SF250-863	.250	1.00	8.63	1.42	10-32	**$149.00**
SS125-SF375-900	.375	1.25	9.00	1.53	1/4-28	**$179.00**
SS125-SF500-900	.500	1.25	9.00	1.85	7/16-20	**$179.00**

Prices are subject to change without notice.

Recommended machines for our Shrink-Fit Tool Holders!
pgs 127, 133, 138-139, 144-145, 152

New!

Whats included:
- Machine w/ Coil
- 3 Interchangeable Discs (3mm-20mm) or (3mm-32mm) depending on the model
- Clamping Ring

Shrink-Fit Machine (Standard Volume User) FIGURE 1

Designation	D	W	H	Clamping Range	Suitable Tool Materials	Electric Current Supply	Power kW	Weight	Price
SFM-3-32	18.5”	31.0”	33.0”	3mm-32mm 1/8” - 1 1/4”	Carbide & HSS	3 x 480v	16A	115 lbs.	**$15,258**

*Additional Accessories and Cooling Station Available Upon Request

Shrink-Fit Machine (Low Volume User) FIGURE 2

Designation	D	W	H	Clamping Range	Suitable Tool Materials	Electric Current Supply	Power kW	Weight	Price
SFM-3-20	15.4”	12.2”	25.2”	3mm-20mm 1/8” - 3/4”	Carbide	3 x 208v	3	100 lbs.	**$4,950**

*Additional Accessories and Cooling Station Available Upon Request

Tool Holder Setting Pot

Designation	Type	Price
SFM-CT40	CAT40	**$245.00**
SFM-CT50	CAT50	**$245.00**
SFM-HSK63	HSK63	**$245.00**
SFM-HSK100	HSK100	**$245.00**

Insert NOMENCLATURE / Speeds & Feeds

Shape	
A	Rectangle
C	80˚ Diamond
D	55˚ Diamond
S	Square
T	Triangle
V	35˚ Diamond
W	80˚ Trigon
R	Round

*Exact tolerance is determined by the size of the insert

Tolerance	
Insert I.C.	Thickness
F = ± .002 to ± .004	± .002
G = ± .001	± .005
H = ± .005	± .001
K = ± .005	± .001
M = ± .002 to ± .007*	± .005

Inscribe Circle Size

Bottom		Top
1.2 = .156"	2.5 = .312"	08 = 8mm
1.5 = .187"	3 = .375"	10 = 10mm
1.8 = .218"	4 = .500"	11 = 11mm
2 = .250"	5 = .625"	12 = 12mm
	6 = .750"	16 = 16mm

T N M G

ISO	11	T3	08
ANSI	4	3	2

Radius

ANSI	Corner Radius	ISO
0	.004	01
0.5	.008	02
1	.015 (1/64)	04
2	.031 (1/32)	08
3	.046 (3/64)	12
4	.062 (1/16)	16

Clearance Angle	
B	5˚ Positive
C	7˚ Positive
D	15˚ Positive
N	0˚ Negative
P	11˚ Positive

Type	
A	With hole, without chipbreaker
B	Counter sink on one side, with hole
G	Chipbreaker on both sides, with hole
T	Chipbreaker & ISO countersink one side, with hole
W	ISO Countersink on one side, with hole
X	Special Design

Thickness

ANSI	Thickness	ISO
0.6	.040	T0
1	1/16	01
1.2	5/64	T1
1.5	3/32	02
2	1/8	03
2.5	5/32	T3
3	3/16	04
4	1/4	06

Insert Speed & Feed Information

	Material	Turning SFM	Turning Inch/ Rev	Milling* SFM	Milling* Inch/ Rev	Drilling SFM	Drilling Inch/ Rev
P	Mild Steel	490-1200	.004-.031	250-800	.003-.015	225-650	.0022-.006
P	Annealed Alloy Steel	490-980	.004-.031	200-725	.003-.015	200-650	.0022-.006
P	Hardened Alloy Steel	180-500	.004-.031	200-600	.003-.015	100-300	.0022-.006
P	Cast Steel	180-650	.004-.031	200-600	.003-.015	150-550	.0022-.006
M	Stainless Steel	280-810	.004-.015	200-600	.003-.015	250-430	.002-.006
K	Low Cast Iron	590-1240	.004-.024	325-600	.004-.016	300-600	.0025-009
K	High Cast Iron	360-700	.004-.024	325-600	.004-.016	300-600	.0025-009
N	Alum. Alloy Un-heat Treated	850-1980	.004-.018	860-1800	.007-.018	600-1100	.0038-.011
N	Alum. Alloy Heat Treated	550-1650	.004-.018	575-1230	.007-.018	315-790	.0038-.011
N	Cast Alum. & Copper Alloy	360-950	.004-.018	280-930	.007-.018	250-760	.0038-.011
S	Heat Resistant Steels	100-300	.002-.006	100-300	.0024-.008	60-150	.0028-.008
K	Cast Iron (CBN INSERTS)	400-600	.002-.020				
H	Hardened Material (CBN INSERTS)	450-950	.002-.011				

*For APKT inserts refer to the chart below for cutting conditions.

APKT 11T308

Depth of cut ↑

Feed Per Tooth (inch)

AP (inch)	Light	Medium	Heavy
.315	.0028	.0031	.0039
.236	.0039	.0047	.0059
.157	.0047	.0059	.0079

f/t →

APKT 160408

Depth of cut ↑

Feed Per Tooth (inch)

AP (inch)	Light	Medium	Heavy
.472	.0028	.0031	.0039
.315	.0039	.0047	.0059
.197	.0047	.0059	.0079

f/t →

These inserts are currently manufactured by our partners in the tooling industry and not by Ultra-Dex USA at this time.

○ Good
◑ Better
● Best

Grade	Description	Steel P	Stainless Steel M	Cast Iron K	Ferrite Materials N	Heat-Resistant Steel S	Hardened Metal H
UD51	General purpose Tin (CVD) coated steel grade - used for roughing and semi-finishing of carbon alloy and stainless steel.	●	○	○		◑	
UD52	Tough general purpose steel grade with multi-layer titanium aluminum nitride coating for alloy steel, aluminum alloys, austenitic stainless and carbon steels, copper alloys and exotic alloys.	●	○			●	
UD5C	Uncoated cermet grade for semi-finishing and finishing applications at medium to high cutting speeds on carbon and alloyed steels. Also used on stainless. Normally used without coolant.		○	○			
UD5CBN	A Polycrystalline Cubic Boron Nitride (PCBN) Insert for precision finishing of hardened steels 50-65 rockwell. Coolant not reccomended for use.			◑			●
UD5CT	TIALN coated cermet grade performs extremely well for semi-finish and finish applications in alloyed steels, stainless and high carbon steels.	●	◑	◑			
UD1	Uncoated – Designed with a polished surface and large rake angle, Intended for machining aluminum and other non-ferrous alloys. Also works well for semi machining on cast iron.		◑		●		
UD2	Uncoated - used to cut cast iron, aluminum, non-ferrous alloys, non-metals and most high temp alloys. Provides excellent wear resistance.			○	◑		
UD2CBN	A Polycrystalline Cubic Boron Nitride (PCBN) Insert for cast iron, gray cast iron, chilled cast, and powder metal with long tool life. Coolant not reccomended for use.			●			◑
UD21	Multi-layer titanium aluminum nitride grade. Excellent for machining cast iron, stainless steel, nickel based high temperature alloys. Excellent oxidation resistance and bears high, semi dry/dry machining.		●	◑		◑	
UD22	Tin coated insert. Suitable for semi-finishing and finishing of high temp alloys. Intended for cast iron machining.			●		◑	
UD32	TiAIN coated insert. Used in high speed medium load applications of stainless steel and finishing to semi-finishing of high temperature alloys.	◑	●	○	○	●	
UD204	A PVD TiAIN coated fine grain substrate. Excellent for light to medium feeds on Cast Iron and semi-finishing to finishing of high temperature alloys. Excellent for high SFM.	◑		●		◑	
UD404	A PVD TiAIN coated tough general purpose grade. Well suited for milling Alloy Steels, Stainless Steel, High Temperature Alloy Steels and Hardened Steels up to 60 Rc.	●	●	◑		●	
UD602	A CVD coating of Ti $A1_2O_3$ & TiN on a tough substrate. It is suitable for light to heavy milling of alloy steel and non alloy steel, even under unfavorable condition.	◑	◑			◑	

F

INSERTS

Hardware
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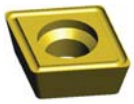
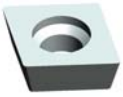
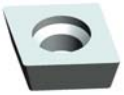
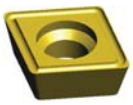
NEW GRADES!



Designation	UD51	UD52	UD5C	UD5CT	UD2	UD21
CDGT 1.510.5	$7.85	$8.25	$7.85	$8.95	$6.30	$8.25
CDGT 1.511	$7.85	$8.25	$7.85	$8.95	$6.80	$8.25
CDGW 1.510	$7.40	$8.25	$7.30	$8.90	$7.40	$7.75
CDGW 1.510.5	$7.40	$8.25	$7.30	$8.90	$7.40	$7.75
CDGW 1.511	$7.40	$8.25	$7.30	$8.90	$7.40	$7.75
CDHB 1.20.60	$7.10	$7.45	$6.65	$8.10	$5.95	$7.40
CDHB 1.20.60.5	$7.10	$7.45	$6.65	$8.10	$5.95	$7.40

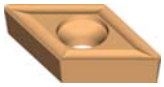


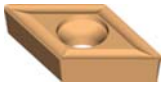
Designation	UD51	UD52	UD5C	UD5CT	UD2	UD21	UD1
CCGW 32.51	--	--	--	--	$7.75	$9.45	--
CCGW 32.52	--	--	--	--	$7.95	$9.45	--
CCGX 21.50.5	--	--	--	--	--	--	$6.70
CCGX 21.51	--	--	--	--	--	--	$6.70
CCGX 32.51	--	--	--	--	--	--	$6.95
CCGX 32.52	--	--	--	--	--	--	$6.95
CCMT 21.51	$5.75	$5.75	--	--	--	$5.75	--
CCMT 21.52	$5.75	$5.75	--	--	--	$5.75	--
CCMT 32.50.5	$6.10	$6.10	$6.00	$7.85	--	$6.10	--
CCMT 32.51	$6.10	$6.10	$4.90	$7.85	--	$6.10	--
CCMT 32.52	$6.10	$6.10	$4.90	$7.85	--	$6.10	--
CCMT 431	$6.85	$6.85	--	--	--	$6.85	--
CCMT 432	$6.85	$6.85	--	--	--	$6.85	--

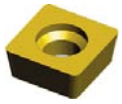
Designation	UD51	UD52	UD5C	UD5CT	UD2	UD21
CPGW 21.5.5	--	--	--	--	$7.10	$8.70
CPGW 21.51	--	--	--	--	$7.10	$8.70
CPMT 1.81.20.5	$9.30	$10.70	$8.40	$10.50	$8.10	$10.40
CPMT 1.81.21	$9.30	$10.70	$8.40	$10.50	$8.10	$10.40
CPMT 21.50.5	$7.15	$9.10	--	--	$6.10	$8.10
CPMT 21.51	$7.15	$9.10	$8.35	$9.95	$6.10	$8.10
CPMT 21.52	$7.15	$9.10	$8.35	$9.95	$6.10	$8.10
CPMT 32.51	$7.55	$9.10	--	--	$6.35	$8.70
CPMT 32.52	$7.55	$9.10	--	--	$6.35	$8.70

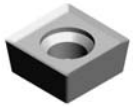
Prices are subject to change without notice.

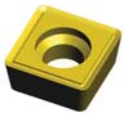




Designation	UD51	UD52	UD2	UD21	UD1	UD22
DCGX 21.50.5	--	--	--	--	$6.40	--
DCGX 21.51	--	--	--	--	$6.40	--
DCGX 32.51	--	--	--	--	$7.05	--
DCGX 32.52	--	--	--	--	$7.05	--
DCMT 21.50.5	$6.80	$8.30	--	$7.40	--	--
DCMT 21.51	$5.45	$5.45	--	$5.45	--	--
DCMT 32.51	$6.65	$6.65	--	$6.65	--	--
DCMT 32.52	$6.65	$6.65	--	$6.65	--	--
DPMT 32.51	$8.35	$9.80	$6.90	$9.25	--	$8.45
DPMT 32.52	$8.35	$9.80	$6.90	$9.25	--	$8.45







Designation	UD51	UD52	UD2	UD22	UD21	UD1
SCMW 21.51	$5.30	$5.75	$4.20	$5.30	$5.75	--
SCGX 32.50.5	--	--	--	--	--	$7.15
SCGX 32.51	--	--	--	--	--	$7.15
SCGX 32.52	--	--	--	--	--	$7.15
SCMT 21.51	$6.75	$8.20	--	$6.50	$7.40	--
SCMT 32.51	$5.75	$5.75	--	$5.45	--	--
SCMT 32.52	$5.75	$5.75	--	$5.45	--	--
SCMT 431	$6.85	$6.85	--	--	--	--
SCMT 432	$6.85	$6.85	--	--	--	--

Hardware
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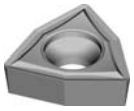
Designation	UD51	UD52	UD2	UD22	UD21	UD1
TCGX 21.50.5	--	--	--	--	--	$6.95
TCGX 21.51	--	--	--	--	--	$6.95
TCGX 32.51	--	--	--	--	--	$7.95
TCGX 32.52	--	--	--	--	--	$7.95
TCMT 1.21.20.5	$7.15	$8.65	--	--	$8.60	--
TCMT 21.51	$5.25	$5.25	--	--	$5.25	--
TCMT 21.52	$5.25	$5.25	--	--	$5.25	--
TCMT 32.51	$6.65	$6.65	--	$6.25	$6.65	--
TCMT 32.52	$6.65	$6.65	--	$6.25	$6.65	--
TPMT 21.51	$7.10	$8.40	$5.85	--	$7.85	--
TPMT 21.52	$7.10	$8.40	$5.85	--	$7.85	--
TPMT 32.51	$8.50	$9.80	$7.05	--	$9.25	--
TPMT 32.52	$8.50	$9.80	$7.05	--	$9.25	--

Designation	UD51	UD52
VBMT 21.50	$7.50	$8.95
VBMT 21.51	$7.50	$8.95
VBMT 331	$7.50	$8.35
VBMT 332	$7.50	$8.35

Designation	UD52
TDAB 505	$12.85
TDAB 51	$12.85
TPCG 2205L	$15.60
TPCG 221L	$15.60
TD 6P 05	$16.30
TD 6P 1	$16.30

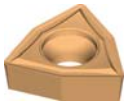


Designation	UD52
WPGT 1.510	$9.90
WPGT 1.510.5	$9.90
WPGT 21.50	$9.90
WPGT 21.50.5	$9.90
WPMT 32.51	$19.05
WPMT 32.52	$19.05

Prices are subject to change without notice.

Designation	UD51	UD52	UD2	UD21
WCMT 1.210.5	$10.65	$11.45	$9.94	$11.45
WCMT 1.211	$10.65	$11.45	$9.94	$11.45
WCMT 1.51.50.5	$10.65	$11.45	$9.94	$11.45
WCMT 1.51.51	$10.65	$11.45	$9.94	$11.45
WCMT 21.51	$8.10	$8.65	$6.35	$9.20
WCMT 21.52	$8.10	$8.65	$6.35	$9.20
WCMT 32.51	$9.80	$11.15	$8.25	$10.45
WCMT 32.52	$9.80	$11.15	$8.25	$10.45

Drilling



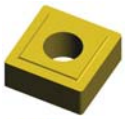
Designation	UD51	UD52	UD2	UD21	UD32
WCMX 1.81.52	$6.85	$8.40	$6.85	$8.40	$7.60
WCMX 21.52	$6.85	$8.40	$6.85	$8.40	$7.60
WCMX 2.522	$6.85	$8.40	$6.85	$8.40	$7.60
WCMX 32.52	$7.45	$9.00	$7.45	$9.00	$8.30
WCMX 433	$7.45	$9.30	$7.45	$9.30	$8.30

NEW SIZES!

Designation	UD51	UD52	UD21
CNMG 321	$5.80	$5.80	$5.80
CNMG 322	$5.80	$5.80	$5.80
CNMG 431	$7.35	$7.35	$7.35
CNMG 432	$7.35	$7.35	$7.35
CNMG 542	$9.85	$9.85	$9.85
CNMG 543	$9.85	$9.85	$9.85
CNMG 642	$12.70	$12.70	$12.70
CNMG 643	$12.70	$12.70	$12.70

NEW SIZES!

Designation	UD51	UD52	UD21	UD32
DNMG 331	$7.40	$7.40	$7.40	--
DNMG 332	$7.40	$7.40	$8.35	--
DNMG 431	$8.30	$8.30	$8.30	--
DNMG 432	$8.30	$8.30	$8.30	$8.30
DNMG 542	$13.15	$13.85	$12.85	--
DNMG 543	$13.15	$13.85	$12.85	--



NEW SIZES!

Designation	UD51	UD52	UD21
SNMG 431	$6.25	$6.25	$6.25
SNMG 432	$6.25	$6.25	$6.25
SNMG 542	$9.85	$9.85	$9.85
SNMG 543	$9.85	$9.85	$9.85
SNMG 643	$12.70	$12.70	$12.70
SNMG 644	$12.70	$12.70	$12.70

Hardware
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Designation	UD51	UD52	UD21
TNMG 331	$6.10	$6.10	$6.10
TNMG 332	$6.10	$6.10	$6.10
TNMG 431	$7.75	$7.75	$11.65
TNMG 432	$7.75	$7.75	$11.65
TNMG 542	$12.65	$13.85	$12.95
TNMG 543	$12.65	$13.85	$12.95

Designation	UD51	UD52	UD2	UD21
VNMG 331	$9.50	$9.50	--	$9.50
VNMG 332	$9.50	$9.50	--	$9.50
VNMG 432	$11.00	$12.10	$10.30	$12.90

Designation	UD51	UD52	UD2	UD21	UD22
WNMG 331	$6.45	$8.15	$6.45	$7.85	--
WNMG 332	$5.45	$5.45	--	$5.45	--
WNMG 431	$7.05	$7.05	--	$7.05	$7.05
WNMG 432	$7.05	$7.05	--	$7.05	$7.00

Designation	UD5CBN	UD2CBN
CCGW 21.51-1	$38.65	$38.65
CCGW 21.52-1	$38.65	$38.65
CCGW 32.51-2	$58.70	$58.70
CCGW 32.52-2	$58.70	$58.70
CNGA 431-2	$58.70	$58.70
CNGA 432-2	$58.70	$58.70
DCGW 21.51-1	$38.65	$38.65
DCGW 32.51-2	$58.70	$58.70
DCGW 32.52-2	$58.70	$58.70
DNGA 431-2	$58.70	$58.70
DNGA 432-2	$58.70	$58.70

Designation	UD5CBN	UD2CBN
TCGW 21.51-1	--	$38.65
TCGW 21.52-1	$38.65	$38.65
TCGW 32.51-1	$38.65	$38.65
TCGW 32.52-1	$38.65	$38.65
TNGA 331-1	$38.65	$38.65
TNGA 332-1	$38.65	$38.65
VNGA 331-2	--	$53.50
VNGA 332-2	$53.50	$53.50

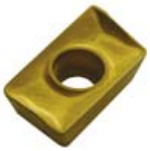
Prices are subject to change without notice.

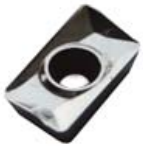
New!

Designation	UD51	UD52	UD21
RNMG 32	$6.25	$7.85	$7.20
RNMG 43	$7.65	$9.30	$8.40
RNMG 54	$12.20	$13.40	$12.40
RNMG 64	$15.25	$16.25	$15.15

Designation	UD1	UD404	UD602
RDKW 0803	--	$5.10	$5.10
RCKT 10T3	$4.90	$4.90	$4.90
RCKT 1204	$5.85	$5.85	$5.85
RCKT 1606	--	$8.45	$8.45

Designation	UD51	UD52	UD2	UD21	UD22
RCMT 21.5	$7.25	$8.35	$5.95	$7.90	$6.70
RCMT 32.5	$8.00	$9.55	$7.60	$6.70	$8.80
RCMT 43	$9.40	$11.15	$7.70	$10.34	$9.00





Designation	Radius	UD1	UD204	UD404	UD602	
APKT 11T304-PF	.015	--	$7.75	$7.75	$7.75	Finish
APKT 11T308-PF	.031	--	$7.75	$7.75	--	Finish
APKT 11T316-PF	.062	--	$7.75	$7.75	--	Finish
APKT 160408-PF	.031	--	--	$9.25	$9.25	Finish
APKT 11T304-PM	.015	--	$7.75	$7.75	$7.75	Semi-Rough
APKT 11T308-PM	.031	--	$7.75	$7.75	$7.75	Semi-Rough
APKT 11T312-PM	.047	--	--	$7.75	--	Semi-Rough
APKT 11T316-PM	.062	--	$7.75	$7.75	--	Semi-Rough
APKT 160408-PM	.031	--	$9.25	$9.25	$9.25	Semi-Rough
APKT 11T304-PR	.015	--	$7.75	$7.75	$7.75	Rough
APKT 11T304-AL	.015	$7.75	--	--	--	Aluminum
APKT 11T308-AL	.031	$7.75	--	--	--	Aluminum
APKT 160408-AL	.031	$9.25	--	--	--	Aluminum

Hardware
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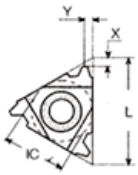
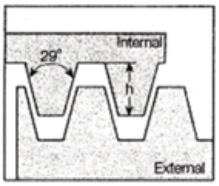
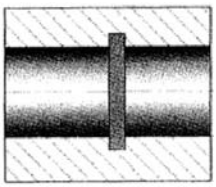




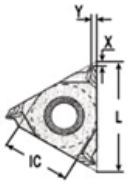
American Acme

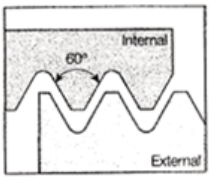
Designation Right Hand	Designation Left Hand	I.C.	L	Pitch (tpi)	h (min)	X	Y	Anvil Right	Anvil Left	Price
3IR16ACME	**3IL16ACME**	3/8”	.63	16	.036	.04	.04	YI3	YE3	**$13.70**
3IR14ACME	**3IL14ACME**	3/8”	.63	14	.041	.04	.05	YI3	YE3	**$13.70**
3IR12ACME	**3IL12ACME**	3/8”	.63	12	.047	.05	.05	YI3	YE3	**$13.70**
3IR10ACME	**3IL10ACME**	3/8”	.63	10	.060	.05	.05	YI3	YE3	**$13.70**
3IR8ACME	**3IL8ACME**	3/8”	.63	8	.072	.06	.06	YI3	YE3	**$13.70**



Grooving

Designation Right Hand	I.C.	W	t	Anvil Right	Price
3IR NG W.031	3/8”	.031	.05	YI3M-1.5N	**$13.70**
3IR NG W.047	3/8”	.047	.07	YI3M-1.5N	**$13.70**
3IR NG W.062	3/8”	.062	.08	YI3M-1.5N	**$13.70**
3IR NG W.093	3/8”	.093	.07	YI3	**$13.70**

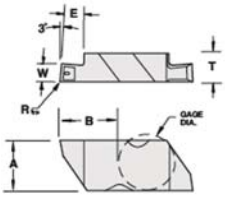


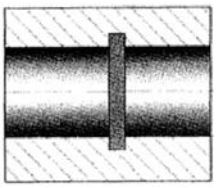


Partial Profile 60°

Designation Right Hand	Designation Left Hand	I.C.	L	Pitch (mm)	Pitch (tpi)	r	X	Y	Anvil Right	Anvil Left	Price
2JIRA60	**2JILA60**	1/4”	.63	.7-1.5	36-18	.004	.040	.045	YI3	YE3	**$9.25**
2JIR12UN	**2JIL12UN**	1/4”	.63	1.0-2.0	28-12	.004	.030	.035	YI3	YE3	**$9.25**
3IRA60	**3ILA60**	3/8”	.63	.05-1.5	48-16	.002	.030	.040	YI3	YE3	**$12.50**
3IRG60	**3ILG60**	3/8”	.63	1.75-3.0	14-8	.006	.050	.070	YI3	YE3	**$12.50**
3IRAG60	**3ILAG60**	3/8”	.63	.05-3.0	48-8	.002	.050	.070	YI3	YE3	**$12.50**
3JIRA60	**--**	3/8” SCB	.63	.05-1.5	48-16	.002	.020	.030	YI3	--	**$12.50**
3JIRG60	**--**	3/8” SCB	.63	1.75-3.0	14-8	.006	.040	.060	YI3	--	**$12.50**
3JIRAG60	**--**	3/8” SCB	.63	.05-3.0	48-8	.002	.040	.060	YI3	--	**$12.50**

These inserts are currently manufactured by our partners in the tooling industry and not by Ultra-Dex USA at this time.

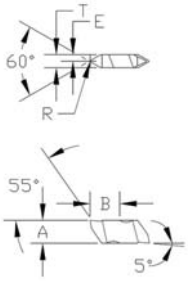


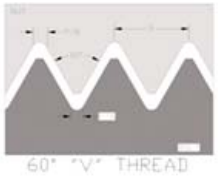


New!

Top Notch Grooving

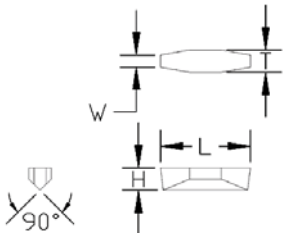
Designation Right Hand	Designation Left Hand	A	B	E	R	T	W	Price
NG-2R W.031	NG-2L W.031	.219	.270	.050	.002 / .005	.150	.031	$21.00
NG-2R W.062	NG-2L W.062	.219	.270	.110	.005 / .010	.150	.062	$21.00
NG-2R W.094	NG-2L W.094	.219	.270	.110	.005 / .010	.150	.094	$21.00
NG-3R W.062	NG-3L W.062	.344	.405	.120	.005 / .010	.195	.062	$21.00
NG-3R W.094	NG-3L W.094	.344	.405	.180	.005 / .010	.195	.094	$21.00
NG-3R W.125	NG-3L W.125	.344	.405	.180	.005 / .010	.195	.125	$21.00
NG-4R W.125	NG-4L W.125	.453	.636	.250	.005 / .010	.255	.125	$30.35
NG-4R W.189	NG-4L W.189	.453	.636	.250	.020 / .025	.255	.189	$30.35
NG-4R W.250	NG-4L W.250	.453	.636	.250	.020 / .025	.255	.250	$30.35
NG-6R W.281	NG-6L W.281	.453	.636	.250	.030 / .035	.383	.281	$33.50
NG-6R W.375	NG-6L W.375	.453	.636	.250	.030 / .035	.383	.375	$33.50

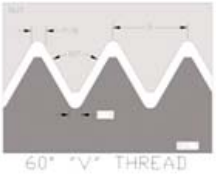


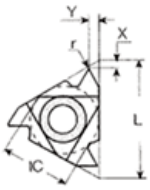


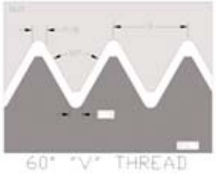
Top Notch Threading

Designation Right Hand	Designation Left Hand	A	B	E	R	T	Ext. TPI	Int. TPI	Price
NTP-2R	NTP-2L	.219	.266	.075	.003/.005	.150	8-36	1-20	$18.15
NTP-3R	NTP-3L	.344	.400	.098	.005/.008	.195	6-20	5-12	$18.95
NTP-4R	NTP-4L	.453	.629	.128	.005/.008	.255	4-20	4-12	$24.40









V-Bottom

Designation Right Hand	T	L	Radius	TPI	Price
V84-NV	.250	1.000	.006/.008	5-20	$20.80
V84-NV-.010R	.250	1.000	.010	4-20	$22.40
V84-NV-.020R	.250	1.000	.020	4-12	$22.40
V84-NV-.025R	.250	1.000	.025	4/8	$22.40
V84-NV-.038R	.250	1.000	.038	4/6	$22.40
V85-NV	.312	1.000	.006/.008	5-20	$22.40

On Edge

Designation Right Hand	I.C.	T	Radius	TPI	Price
TNMA-43NV	.500	.187	.003/.005	5-24	$19.90
TNMA-43NV .010	.500	.187	.001	4-20	$22.10
TNMC-43NV	.500	.187	.003/.005	5-24	$19.90
TNMC-43NV .010	.500	.187	.001	4-20	$22.10

Boring Bars

Shim Seat	Price Each
ICSN-433	$3.95
ICSN-533	$4.85
ICSN-633	$5.60
ISSN-432	$3.90
ISSN-533	$4.60
ISSN-633	$5.45
IDSN-433	$3.60
IDSN-533	$5.45
ITSN-323	$2.75
ITSN-433	$4.45
ITSN-533	$5.70
ITSN-636	$7.75
IVSN-322	$3.20
IVSN-432	$4.25
IWSN-322	$3.60
IWSN-433	$4.90
IRSN-43	$3.15
IRSN-53	$5.05
IRSN-63	$5.70

sold in QTY 10

Insert Screws	Price Each
MTS-182	$2.15
MTS-183	$2.15
MTS-184	$2.15
MTS-2	$1.95
MTS-224	$2.15
MTS-255	$2.15
MTS-35	$2.15
MTS-2.5L	$1.95

sold in QTY 5

MTS-3.5L	$5.80
MTS-4	$6.80

Key	Price Each
T-6	$2.85
T-7	$2.60
T-10	$4.40
T-15	$2.60
T-20	$2.65

sold in QTY 5

Clamp	Price Each
CL-6	$3.60
CL-7	$3.60
CL-9	$3.60
CL-12	$3.60
CL-19	$4.50
CL-20	$3.60
CL-22	$8.80
CL-30	$6.35

Lock Pin	Price Each
NL-33	$2.00
NL-33L	$2.00
NL-34	$2.00
NL-34L	$2.00
NL-44	$2.00
NL-46	$1.85
NL-58	$2.00
NL-68	$2.25
NL-68L	$4.45

sold in QTY 5

Clamp Screw	Price Each
XNS-36	$1.50
XNS-47	$1.50
XNS-48	$1.50
XNS-510	$1.50
XNS-58	$1.50
XNS-59	$1.50

Laydown Threaders

Anvil Screw	Price Each
SY3T	$1.60
SY4T	$2.00
SY5T	$3.20

Insert Screw	Price Each
SA3T	$2.30
SA4T	$3.15
SA5T	$5.50

sold in QTY 5

Anvil	Price Each
YI3	$14.15
YE3	$14.15
YI4	$23.85
YI3M-1.5N	$23.20
YE4	$23.85
YI5	$38.60
YE5	$38.60

Top Notch

Clamp	Price Each
CM-72	$8.40
CM-73	$8.40
CM-74	$13.35
CM-75	$13.35
CM-120	$11.25
CM-121	$11.25
CM-146	$34.75
CM-147	$34.75

Clamp Screw	Price Each
6-32	$0.45
10-32	$0.45
MTS-526	$7.80

sold in QTY 5

V-Bottom

Clamp	Price Each
CL-84	$19.95
CL-85	$19.95

Insert Screws	Price Each
MTS-526	$7.80

Pullback

Shim Screw	Price Each
PB3-SS	$2.10
PB4-SS	$2.10

sold in QTY 5

Clamp Assy.	Price Each
PB3-CA	$13.99
PB4-CA	$14.99

Modular

Set Screws	Price Each
MH12S	$1.15
MH16S	$1.41
MH20S	$1.67
MH24S	$1.93
MH28S	$2.19
MH32S	$2.45

sold in QTY 2

Milling

Screw	Price Each
SR34505	$1.95
SR14544	$1.95
SR34505L	$2.15

sold in QTY 5

Drilling

Wrench	Price Each
T-6-S	$3.60
T-7-S	$3.45
T-8-S	$3.60
T-9-S	$4.10
T-10-S	$4.10
T-15-S	$4.10
T-20-S	$7.30

Screw	Price Each
MTS-184	$2.15
MTS-2	$1.95
MTS-255	$2.15
MTS 25-DR	$1.95
MTS 3-DR	$1.95
MTS 35-DR	$2.30
MTS 4-DR	$1.95

sold in QTY 5

Shell Mill Holders

Lock Screws	Price Each
U5001	$7.49
U5002	$7.99
U5003	$9.99
U5004	$12.99
U5005	$18.99
U5006	$23.99
U5007	$32.99

ER Holders

ER Nut	Price Each
ER-11HN	$15.90
ER-16HN	$16.90
ER-20HN	$18.90
ER-25SN	$21.90
ER-32SN	$23.90
ER-40SN	$27.90

ER Screw	Price Each
ER-11S	$5.60
ER-16S	$5.90
ER-20S	$6.60
ER-25S	$7.70
ER-32S	$8.40
ER-40S	$9.80

ER Wrench	Price Each
ER-11MW	$29.70
ER-16MW	$29.70
ER-16W	$11.00
ER-20MW	$33.65
ER-20W	$11.00
ER-25W	$12.10
ER-32W	$13.85
ER-40W	$19.70

Prices are subject to change without notice.

Mounted Surface Plate Center Features:
- Spring Lever Loading
- Accuracy of .0002”
- Thumb wheel locks for easy adjustment
- All parts are replaceable
- For Horizontal applications only
- A frames slide to adjust for part length
- Shaft is bolted to surface plate

Inspect:
- Run out
- Slot depths
- Face dish
- Squareness
- Groove locations

Measure:
Horizontal
or Vertical

Horizontal Accuracy of .0002”
Vertical Accuracy of .0008”

SPC - 718

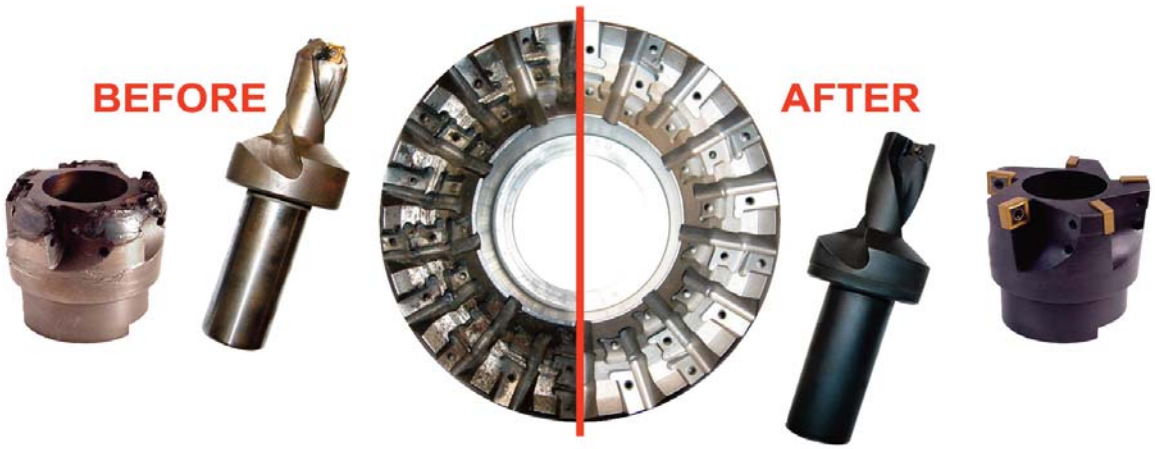
Designation	Capacity	Size	Grade	Price
SPC-718	6-7/8 x 16"	--	--	**$1,036.00**
SPC-714	6-7/8 x 13-1/2"	12 x 18"	B	**$1,207.00**
SPC-722	6-7/8 x 20"	18 x 24"	B	**$1,358.00**
SPC-722A	6-7/8 x 20"	18 x 24"	A	**$1,621.00**
SPC-832	12 x 32"	24x 36"	B	**$2,755.00**
SPC-832A	12 x 32"	24x 36"	A	**$3,276.00**
Oak Storage Box	SPC-718 Only			**$149.00**

Designation	Description	Price
CA-01	Standard Center (Fixed)	**$41.00**
CB-01	Standard Center (Fixed) - 832 Only	**$47.00**
CA-02	Standard Center (Spring)	**$46.00**
CB-02	Standard Center (Spring) - 832 Only	**$52.00**
CA-01C	Full Carbide Tipped Center (Fixed)	**$114.00**
CA-02C	Full Carbide Tipped Center (Spring)	**$120.00**
CA-03	1 1/2" dia. Bull Nose Center (Fixed)	**$64.00**
CB-03	1 1/2" dia. Bull Nose Center (Fixed) - 832 Only	**$70.00**
CA-04	1 1/2" dia. Bull Nose Center (Spring)	**$67.00**
CB-04	1 1/2" dia. Bull Nose Center (Spring) - 832 Only	**$73.00**
CA-08	Lever, for spring loader	**$18.00**
CA-09	Spring Cap	**$18.00**
CA-10	3/4" Long Lock Knob with Brass Tip	**$8.00**
CA-11	1½" Long Lock Knob with Brass Tip	**$9.00**
CA-12	2½" Long Lock Knob with Brass Tip	**$12.00**
CA-13	Internal Spring	**$4.00**

ULTRA-DEX TOOLING SYSTEMS

HIGH Quality LOW Cost Repair Service

All tools are brought back to original manufacturer's specifications.



- Specialized in repairing all major manufacturers of indexable tooling
- Experienced with HSK, KM, CAPTO, and all standard machine tapers
- Tools are black oxide coated and laser etched with original tool numbers or to your specifications
- Full line of stocked hardware

With 25 Years of experience in the design & build and repair of indexable tooling, our parent company, Ultra-Dex Tooling Systems, offers the following quality manufacturing services:

Grinding

CNC, O.D., I.D, surface grinding as well as jig grinding and centerless grinding.

Milling

A full line of CNC machining centers, as well as manual knee mills with prototrac controllers.

Turning

A full line of CNC turning centers as well as manual Engine Lathes.

Wire EDM

We offer the newest technology with our wire EDM services specializing in solid carbide form inserts.

+ We Offer Other In-House Services **Heat Treat, Black Oxide, Laser Engraving**

G

+

Free Evaluation and Quote
Send Damaged tools to:
Repair Department
7162 Sheridan Rd
Flushing, MI 48433
(or) Email Photos of Damaged tools to:
repairs@ultra-dex.com

Contact:
Dane Carnell
Cutting Tool Specialist
Repair Department
CALL: (810) 638-5388

Note: Prices in the catalog are subject to change without notice. Any photographic and/or typographic error(s) in this catalog are subject to correction.

Ordering / Shipping / Returns

Order By:

PHONE

8am - 6pm (EST) Monday - Friday

(810) 638-5388

FAX

24 hours a day, every day

(810) 638-4001

EMAIL

24 hours a day, every day

sales@ultradexusa.com

In-Stock Items are Shipped SAME DAY if order is placed before 3:30pm EST

Terms: Net 30 Days from the date of invoice.

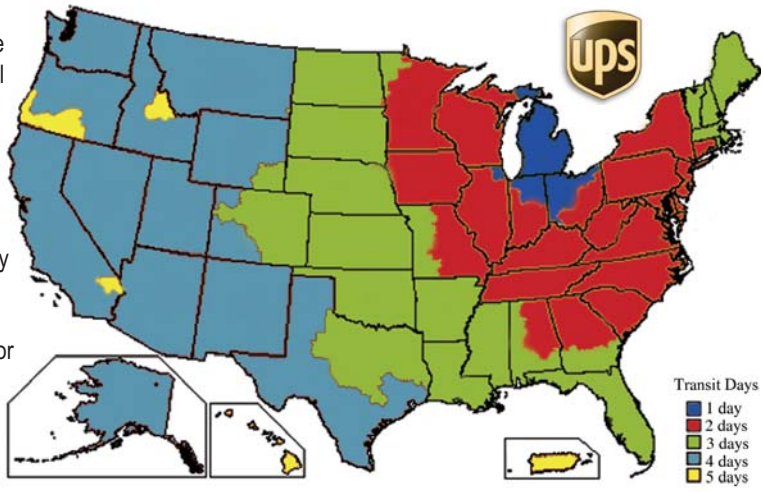
Standard Shipping Method (UPS Ground)

Overnight, 2 Day or 3 Day are alternate services available upon request

Claim on Damaged (or) Lost Shipment:
Any claims for discrepancies in shipments must be made within 2 business days of receipt of merchandise. Any damages on the exterior of the package must be claimed through the commercial carrier. UPS 1-800-742-5877. Keep damaged goods and containers until advised to dispose. Inform us so we can re-ship your merchandise and place a claim.

Individual items weighing over 150lbs do not apply as they will be shipped via UPS Freight, other restrictions may apply. Truck Shipments: We are not responsible for items damaged or lost by motor freight carriers. Check your order carefully upon arrival. All damages or shortages must be noted on the delivery receipt. Failure to note damages will result in a later damage claim being denied.

UPS Ground transit times are indicated on the map below.



Return Policy

Special Orders can not be returned or cancelled. Items to be returned, have to be within 60 days of purchase and must be approved by Ultra-Dex USA and assigned a RGA number. Once a RGA number has been assigned, the merchandise must be returned within 4 weeks to Ultra-Dex USA. Items will be subject to a 15% restocking fee.

Continued commitment in providing the HIGHEST QUALITY product at the LOWEST PRICE with the BEST SERVICE!

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AMERICAN MADE

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ULTRA-DEX USA

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