

allied

TOOL PRODUCTS
Adjust Your Expectations™

**MICRO-ADJUSTABLE
FACE GROOVING
SYSTEMS**

**Adjust Your Groove
Eliminate Circle-Intrepolating and
Dial Down Your Cycle time by 80% or More!**













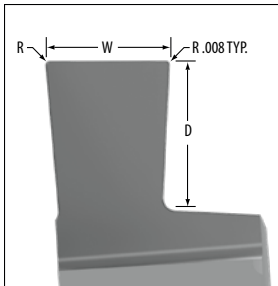







← Adjustment
1DIV = .001"Ø



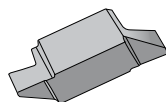
CNC - Rotating
Holders

MAJOR DIAMETER O.D. RANGES AND HOLDER OPTIONS

ø 1.00" to ø 2.00"	ø 2.00" to ø 3.00"	ø 3.00" to ø 4.00"	ø 4.00" to ø 5.00"	ø 5.00" to ø 6.00"
AT2-MA-750  (SHANK DIA .750")	AT3-MA-1000  (SHANK DIA 1.00")	AT4-MA-CV40  (CAT 40)	AT5-MA-CV40  (CAT 40)	AT6-MA-CV40  (CAT 40)
AT2-MA-1000  (SHANK DIA 1.00")	AT3-MA-1250  (SHANK DIA 1.25")	AT4-MA-CV50  (CAT 50)	AT5-MA-CV50  (CAT 50)	AT6-MA-CV50  (CAT 50)
AT2-MA-1250  (SHANK DIA 1.25")	AT3-MA-1500  (SHANK DIA 1.50")	<div style="text-align: center;"> <h2>HG- ATLOCK INSERTS (Double Ended)</h2>  <p>Inserts Up to .250" wide cut & .310" deep as standard sizes</p> <p>In-between sizes are also considered as standard non-stock inserts</p> </div>		
AT2-MA-1500  (SHANK DIA 1.50")	AT3-MA-CV40  (CAT 40)			
AT2-MA-CV40  (CAT 40)	AT3-MA-CV50  (CAT 50)			
AT2-MA-CV50  (CAT 50)				

Spare Parts:
Clamp C1
Clamp Screw C1S

INSERT GRADES



HG - ATLOCK

HG - ATLOCK - INSERT OPTIONS: FG = (FACE GROOVING), OD = (EXTERNAL GROOVING), ID = (INTERNAL GROOVING)

- X1-HG** GENERAL PURPOSE APPLICATIONS; GOOD IN ALL STEELS AND 400 SERIES STAINLESS STEELS
High quality FINE GRAIN carbide substrate with the Multi layer universal TiAlN coating; 6 DEGREES POSITIVE top rake
- X2-HG** STEEL ALLOYS, 300 SERIES STAINLESS STEELS, HIGH TEMP ALLOYS, TITANIUM AND NICKEL BASED ALLOYS
High quality EXTRA FINE GRAIN carbide substrate with the Multi layer universal TiAlN coating; 6 degrees positive top rake
- AL2-HG** CAST IRON, GREY IRON, COMPACTED GRAPHITE IRON
A Superior hardness carbide substrate with a special high-performance AlTiN coating with neutral 0 degrees top rake
- ZN2-HG** ALUMINUM ALLOYS, MAGNESIUM, COPPER AND ZINC ALLOYS, COMPOSITES, AND NON-FERROUS MATERIALS
An exceptional combination of EXTRA fine carbide substrate and superior ZrN coating with 12 degrees positive top rake

Standard In-Stock Inserts

FACE GROOVING INSERTS MIN O.D. 1" (25.4 mm)

INSERT NUMBER	WIDTH (INCH)	MAX DEPTH OF CUT
14062R	0.062	0.093
14093R	0.093	0.125
14125R	0.125	0.250
14156R	0.156	0.310
14187R	0.187	
14218R	0.218	
14250R	0.250	

TO ORDER: Specify Holder Number – ATX-MA-XXXX, Insert: 14XXXXR + Grade, Example: 14078R-X1 (.078 width - steel alloys)

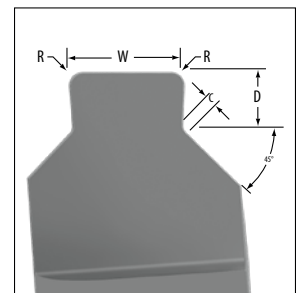
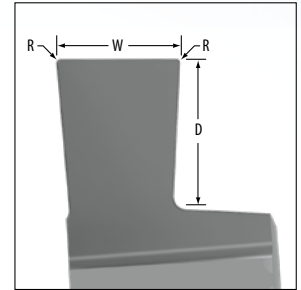
Request For Quote Special Applications

INSERT: Width _____ ± _____ Groove Depth _____ ± _____

Corner Radii: Major Diameter _____ Minor Diameter _____

Chamfer Size _____ x 45° Or Radius _____

Material to Machine _____



**Insert with
Chamfer or Radius
(Double Ended)**

HOLDER: Cat 'V' 40 50 Other _____

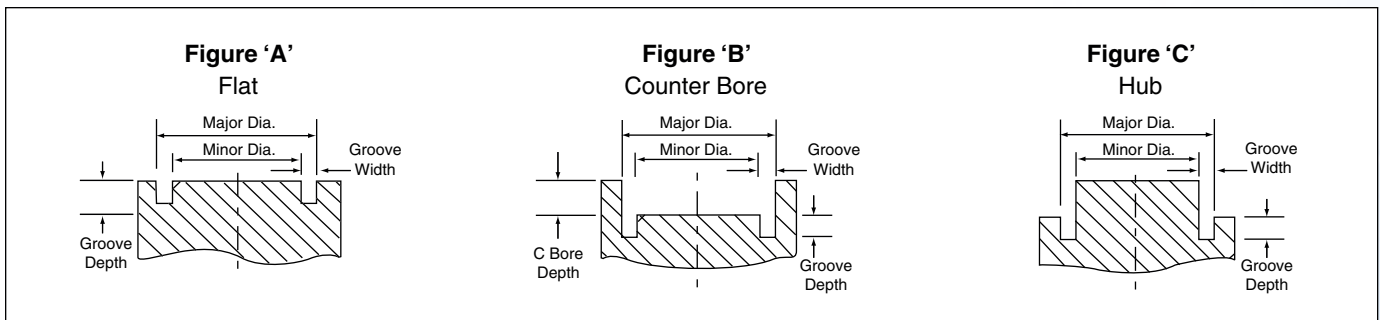
Straight Shank Diameter .750" 1.000" 1.250" 1.500"

(Straight Shank Option Valid Only Up To 3.5" O.D. Max)

PART: Type: 'A' 'B' 'C'

Major Diameter _____ ± _____ Minor Diameter _____ ± _____

Note: Should a family of parts be involved, please specify each diameter required.



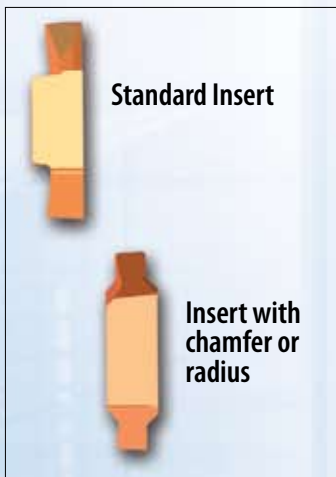
If part is different, please attach your part print.

QUANTITY: Holders _____ Inserts _____

THE MICRO-ADJUST DIFFERENCE

Imagine reducing your set up and cutting time by 80% or more.

That is the difference between interpolating and our Micro-Adjustable Face-Grooving System. A simple twist of our micro adjustment dial establishes precise diameter tolerances and cuts not only set up time but also cutting time. Contact us today and find out what our micro adjust system can do for you.



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