

**SHANK SIZES AND APPLICATIONS**

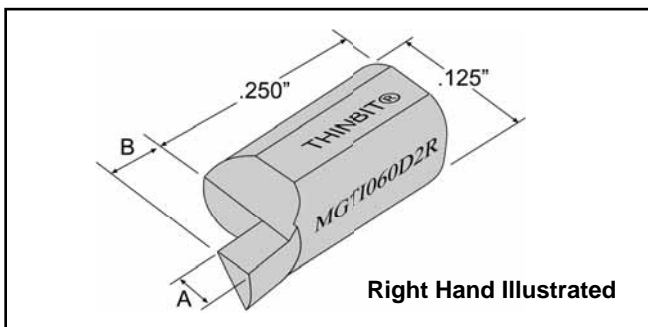
- Internal grooving and profiling for diameters .325" and larger.
- Shank sizes 1/4", 3/8", 1/2" and 5/8" in steel, heavy metal or carbide.

**GENERAL INFORMATION**

- All toolholders shipped in 24 hours.
- All toolholders are reversible for right and left hand orientation.

**MODIFICATIONS**

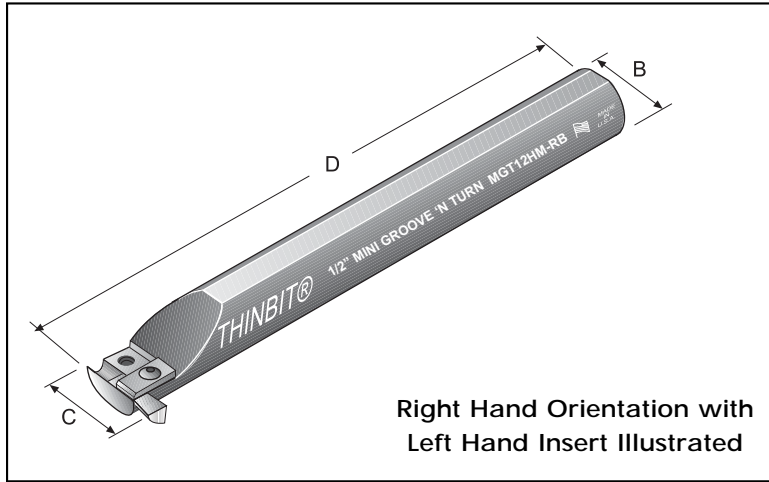
- Modifications can be provided on any of our tooling. Please contact us with your application requirements.



FRONT RAKE: 15°  
BACK CLEARANCE: 2° both sides  
SIDE CLEARANCE: 2° I.D. side  
RADIUS: None  
TOP RAKE: 0°  
LEAD ANGLE: 0°

SPECIFICATIONS			ORDER CODE				
Insert Orientation	Insert Width  'A'  +.001"/-.001"	Depth of Cut  'B'	Insert Grades		Add-ons		
			DURA-MAX® 2000 Carbide For Steel & Interrupted Cutting	DURA-MAX® 5000 Carbide For Aluminum & Non-ferrous	Full Radius Page 8-3	Corner Radius Page 8-3	Coating Page 9-6
Right Hand  For ID grooving use left hand 'MGT' Page 1-5  For face grooving use right hand 'MGTF' Page 2-6	.004"-.063"	<u>Width</u> <u>DOC</u> .004"-.031" = 2 x 'A' .032"-.063" = .063"	MGTI _ _ _D2R	MGTI _ _ _D5R	add 'FR'	(indicate size in .xxx")	TiN add 'C'  TiCN add 'D'  TiAlN add 'E'  Diamond add 'F'
	.064"-.125"	<u>Width</u> <u>DOC</u> .064"-.083" = 1.5 x 'A' .084"-.125" = .125"					
Left Hand  For ID grooving use right hand 'MGT' Page 1-5  For face grooving use left hand 'MGTF' Page 2-6	.004"-.063"	<u>Width</u> <u>DOC</u> .004"-.031" = 2 x 'A' .032"-.063" = .063"	MGTI _ _ _D2L	MGTI _ _ _D5L			
	.064"-.125"	<u>Width</u> <u>DOC</u> .064"-.083" = 1.5 x 'A' .084"-.125" = .125"					

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Note:

- All toolholders are reversible for right hand or left hand orientation.
- For grooving:
 

Insert Width	Depth of Cut
.004"-.031"	2 x width
.032"-.063"	.063"
.064"-.083"	1.5 x width
.084"-.125"	.125"

ORDERING INSTRUCTIONS

Select the **ORDER CODE** in the table below that represents your selection of tool specifications.

EXAMPLE:

The **ORDER CODE** for a .575" minimum bore toolholder with a 1/2" steel shank is: **MGT12**

SPECIFICATIONS		ORDER CODE				INFORMATION		
Minimum Bore  'C'	Toolholder Material  Extension Ratios: Steel: 4xø Heavy Metal: 6xø Carbide: 8xø	Toolholder Package  Includes Shank, Clamp and Hardware	Replacement Parts			Overall Length  'D'	Shank Diameter  'B'	Inserts  Use Inserts Beginning With
			Clamp Only	Screw Only	Wrench Only			
.325" .063" Insert Width Maximum	Steel	MGT14				4.000"	1/4"	Grooving: "MGTI" Page 1-5  Threading: "MGTT" Page 4-8  Use right hand inserts for clockwise or left hand inserts for counter-clockwise
	Heavy Metal	MGT14HM	MGC1	F31	W31	3.965"		
	Carbide	MGT14C				6.504"		
.450" .063" Insert Width Maximum	Steel	MGT38				5.500"	3/8"	
	Heavy Metal	MGT38HM	MGC1	F31	W31	5.485"		
	Carbide	MGT38C				6.768"		
.575" (Threading & Groove Widths .004"-.063") or .640" (Groove Widths .064"-.125")	Steel	MGT12				5.500"	1/2"	
	Heavy Metal	MGT12HM	MGC1	F31	W31	5.485"		
.690" (Threading & Groove Widths .004"-.063") or .755" (Groove Widths .064"-.125")	Steel	MGT58	MGC1	F31	W31	5.500"	5/8"	

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