

.500" I.D. to 2.500" O.D. (12.7 to 63.5 mm)

**Advanced Material,
Advanced Performance**

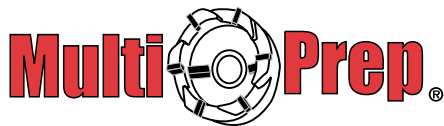
Made From Advanced Titanium

The Model Ti tool features a narrow head design to work in tight clearances. Just 1.600" (40.6 mm) wide, the head is made from strong, lightweight titanium steel. The gear sets are designed for maximum strength and durability and deliver the combination of speed and torque required to perform a wide variety of end prep work. Use the popular, patented Multi-Prep® tool to add even more productivity.

The sliding tool holder is standard on the Model Ti. This accepts all of the standard S-Base blades.



- **Advanced Titanium Material Is Strong and Lightweight**
- **Narrow Head Design Works In Tight-Clearance Areas As Small As 1.600" Wide.**
- **Locks In Tube I.D. To Reduce Torque Transfer**



The Ti is powerful enough to bevel, O.D. Clean and/or remove membranes simultaneously with our patented Multi-Prep® cutter head.



Specifications*

Working Range500" (12.7 mm) I.D. to 2.500" (63.5 mm) O.D.
Pneumatic Motor	0.9 H.P. (.66 kW)
Recommended Air Pressure	90 PSI (6.1 Bar)
Recommended Volume	38.0 CFM (1.1 m ³ /min.)
Speed	110 RPM
Minimum Working Clearance	1.600" (40.6 mm) X 12.500" (317.5 mm)
Weight	13.0 lbs. (5.8 kg)
Length.....	18.000" (457.2 mm)
Head Width.....	1.600" (40.6 mm)



Model Ti Cordless

*Specifications are subject to change without notice.

INTERNAL LOCKING



Collet Sets

I.D. Range

Collet Size	Inches	MM	Rod/ Shaft
.625	.625 - .750	15.9 - 19.1	Std.
.750	.750 - .875	19.1 - 22.2	Std.
.875	.875 - 1.000	22.2 - 25.4	Std.
1.000	1.000 - 1.125	25.4 - 28.6	Std.
1.125	1.125 - 1.250	28.6 - 31.8	Std.
1.125	1.125 - 1.375	31.8 - 34.9	Std.
1.375	1.375 - 1.500	34.9 - 38.1	Std.
1.500	1.500 - 1.625	38.1 - 41.3	Std.
1.625	1.625 - 1.750	41.3 - 44.5	Std.
1.750	1.750 - 1.875	44.5 - 47.6	Std.
1.875	1.875 - 2.000	47.6 - 50.8	Std.
2.000	2.000 - 2.125	50.8 - 54.0	Std.
2.125	2.125 - 2.250	54.0 - 57.2	Std.
2.250	2.250 - 2.375	57.2 - 60.3	Std.
2.375	2.375 - 2.500	60.3 - 63.5	Std.



Wedge Sets

I.D. Range

Plate Sets	Inches	MM	Shaft
AA	.500 - .563	12.7 - 14.3	.500
BB	.563 - .625	14.3 - 15.9	.500
CC	.625 - .688	15.9 - 17.5	.500
DD	.688 - .750	17.5 - 19.1	.500
A	.625 - .750	15.9 - 19.1	.625
B	.750 - .875	19.1 - 22.2	.625
C	.875 - 1.000	22.2 - 25.4	.625
D	1.000 - 1.125	25.4 - 28.6	.625
E	1.125 - 1.250	28.6 - 31.8	.625
F	1.250 - 1.375	31.8 - 34.9	.625
G	1.375 - 1.500	34.9 - 38.1	.625
H	1.500 - 1.625	38.1 - 41.3	.625
I	1.625 - 1.750	41.3 - 44.5	.625
J	1.750 - 1.875	44.5 - 47.6	.625
K	1.875 - 2.000	47.6 - 50.8	.625
L	2.000 - 2.125	50.8 - 54.0	.625
M	2.125 - 2.250	54.0 - 57.2	.625
N	2.250 - 2.375	57.2 - 60.3	.625
O	2.375 - 2.500	60.3 - 63.5	.625

Distributed by:

Accurate, Safe and Productive

There are two internal locking systems for torque-free operation and centers the tool for accurate machining. The wedge plate system is lighter while the collet system provides a larger contact surface.



Tooling

Tool holders use the standard S-Base blades which provides full range coverage to reduce tooling costs. A 1.600" (40.6 mm) diameter tool holder with .500" (12.7 mm) and .625" (15.9 mm) diameter shaft versions are available for working in tight spaces. A 2.000" (50.8 mm) holder can also be used for larger O.D. tubes where room permits. The 2.500" (63.5 mm) diameter holder is required for full reach. The tooling illustrated performs standard machining applications. Custom tooling made from high quality tool steel, carbide and titanium nitride coated materials is also available. The tool holder will accept multiple cutters, allowing you to perform two operations at the same time.

37.5°, 30.0° O.D. Bevel



1.600" x .500" (40.6 mm x 12.7 mm) Holder
.500" I.D. - 1.600" O.D. (12.7 mm - 40.6 mm)
1.600" x .625" (40.6 mm x 15.9 mm) Holder
.625" I.D. - 1.600" O.D. (15.9 mm - 40.6 mm)
2.000" x .625" (50.8 mm x 15.9 mm) Holder
.625" I.D. - 2.000" O.D. (15.9 mm - 50.8 mm)
2.500" x .625" (63.5 mm x 15.9 mm) Holder
.625" I.D. - 2.500" O.D. (15.9 mm - 63.5 mm)

90.0° Facing/Shortening



1.600" x .500" (40.6 mm x 12.7 mm) Holder
.500" I.D. - 1.600" O.D. (12.7 mm - 40.6 mm)
1.600" x .625" (40.6 mm x 15.9 mm) Holder
.625" I.D. - 1.600" O.D. (15.9 mm - 40.6 mm)
2.000" x .625" (50.8 mm x 15.9 mm) Holder
.625" I.D. - 2.000" O.D. (15.9 mm - 50.8 mm)
2.500" x .625" (63.5 mm x 15.9 mm) Holder
.625" I.D. - 2.500" O.D. (15.9 mm - 63.5 mm)

10.0° I.D. Bevel



1.600" x .500" (40.6 mm x 12.7 mm) Holder
.500" I.D. - 1.600" O.D. (12.7 mm - 40.6 mm)
1.600" x .625" (40.6 mm x 15.9 mm) Holder
.625" I.D. - 1.600" O.D. (15.9 mm - 40.6 mm)
2.000" x .625" (50.8 mm x 15.9 mm) Holder
.625" I.D. - 2.000" O.D. (15.9 mm - 50.8 mm)
2.500" x .625" (63.5 mm x 15.9 mm) Holder
.625" I.D. - 2.500" O.D. (15.9 mm - 63.5 mm)

Patented* Multi-Prep®
O.D. Clean
Clad Removal
Remove Membrane
O.D. Bevel
Fin Removal



*Protected under one or more of the following patents:

#6,955,507 - #5,542,177, - #7,143,673
 #7,140,816 - #7,313,992

