

# .625" I.D. to 3.000" O. D. (15.9 to 76.2 mm)

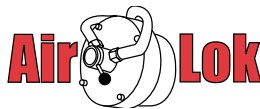
## Reliable Performance

The Model BR has the power to machine tubes up to 3.000" (76.2 mm) O.D., yet is small enough to fit in a 2.625" (66.7 mm) wide area.

Two pneumatic motors are available to match the tool to your specific application. The BR90 produces 90 rpm for heavier walls and harder alloy materials. The BR140 turns at 140 rpm. The higher speed of the BR140, and the electric model, produces higher speeds for use with replaceable carbide insert cutters like our patented Multi-Prep®. With Multi-Prep®, you can clean the tube O.D., cut clad and overlay materials from fully covered tubes or from a single side, remove membranes from waterwall panels and O.D. bevel in a single pass. The AirLock option can also be added. This time-saving product locks and unlocks the tool instantly with the flip of a valve to dramatically cut large volume job times.



- **BR90 - Slower RPM For Heavy Wall Applications And Hard Alloys**
- **BR140 - Higher RPM for Use With Multi-Prep®**
- **Lightweight, Easy Handling**
- **Pneumatic Or Electric Power**
- **Torque-Free Operation**



## Specifications\*

Working Range.....	.625" (15.9 mm) I.D. to 3.000" (76.2 mm) O.D.
Pneumatic Motor .....	0.9 H.P. (.66 kW)
Recommended Air Pressure .....	90 PSI (6.1 Bar)
Recommended Volume .....	38 CFM (1.1 m3/min.)
Speed, BR90 .....	90 RPM
Speed, BR140 .....	140 RPM
Electric Motor .....	1.0 H.P. (.74 kW), 120/230 V, 6.0A
Speed .....	0-270 RPM
Minimum Working Clearance .....	2.625" (66.7 mm) X 12.500" (317.5 mm)
Weight, Pneumatic .....	11.0 lbs. (5.0 kg)
Length, Pneumatic.....	16.000" (406.4 mm)
Weight, Electric.....	9.0 lbs. (4.1 kg)
Length, Electric.....	14.000" (355.6 mm)

\* Specifications subject to change without notice.



## 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.
1.250	1.250 - 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 - 52.1	Std.
2.125	2.125 - 2.250	52.1 - 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.
2.500	2.500 - 2.625	63.5 - 66.7	Std.
2.625	2.625 - 2.750	66.7 - 69.9	Std.
2.750	2.750 - 2.875	69.9 - 73.0	Std.
2.875	2.875 - 3.000	73.0 - 76.2	Std.



## Wedge Sets

### I.D. Range

Plate Size	Inches	MM	Rod/ Shaft Cone Size
.625	.625 - .750	15.9 - 19.1	.625
.750	.750 - .875	19.1 - 22.2	.625
.875	.875 - 1.000	22.2 - 25.4	.875
1.000	1.000 - 1.125	25.4 - 28.6	.875
1.125	1.125 - 1.250	28.6 - 31.8	.875
1.250	1.250 - 1.375	31.8 - 34.9	1.250
1.375	1.375 - 1.500	34.9 - 38.1	1.250
1.500	1.500 - 1.625	38.1 - 41.3	1.250
1.625	1.625 - 1.750	41.3 - 44.5	1.250
1.750	1.750 - 1.875	44.5 - 47.6	1.250
1.875	1.875 - 2.000	47.6 - 50.8	1.250
2.000	2.000 - 2.125	50.8 - 54.0	1.250
2.125	2.125 - 2.250	54.0 - 57.2	1.250
2.250	2.250 - 2.375	57.2 - 60.3	1.250
2.375	2.375 - 2.500	60.3 - 63.5	1.250
2.500	2.500 - 2.625	63.5 - 66.7	1.250
2.625	2.625 - 2.750	66.7 - 69.9	1.250
2.750	2.750 - 2.875	69.9 - 73.0	1.250
2.875	2.875 - 3.000	73.0 - 76.2	1.250

## Internal locking

There are two internal locking systems for torque-free operation, enhancing operator safety and productivity.

## Tooling

The tooling illustrated covers the standard machining applications. Custom tooling is also available. Tooling is made from high quality tool steel, carbide and titanium nitride coated materials.

Tool holders are available in fixed and sliding designs. Each tool holder will accept multiple cutters allowing you to perform up to three operations at the same time.



## Specialty Cutters



### 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

Distributed by:

## 37.5°, 30.0° O.D. Bevel



### Fixed Tool Holder

.625" (15.9 mm) I.D. to 2.250" (57.2 mm) O.D.  
C

1.500" (38.1 mm) I. D. to 3.000" (76.2 mm) O.D.  
D

### Sliding Tool Holder

.625" (15.9 mm) I.D. to 3.000" (76.2 mm) O.D.  
S-371/2

## 90.0° Facing/Shortening



### Fixed Tool Holder

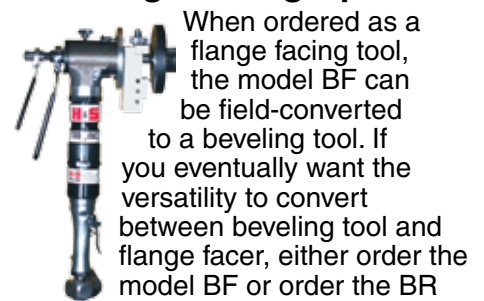
.625" (15.9 mm) I.D. to 2.250" (57.2 mm) O.D.  
FR

1.500" (38.1 mm) I. D. to 3.000" (76.2 mm) O.D.  
FL

### Sliding Tool Holder

.625" (15.9 mm) I.D. to 3.000" (76.2 mm) O.D.  
S-F

## Flange Facing Option



When ordered as a flange facing tool, the model BF can be field-converted to a beveling tool. If you eventually want the versatility to convert between beveling tool and flange facer, either order the model BF or order the BR with the special BF housing. See the flange facing sales sheet.