

# .750" O.D. to 2.250" O.D. (19.1 to 57.2 mm)

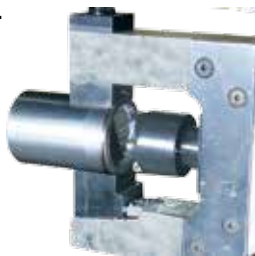
## RELIABLE PERFORMANCE

The Model OD is a compact tube beveling tool that is small enough to work in a 1.500" (38.1 mm) wide area, yet is powerful enough to bevel tubes up to 2.250" (57.2 mm) O. D.

Specifically designed for small diameter tube machining, the OD clamp allows for outside beveling, facing and even inside beveling for projects where the tube I.D. is too small for internal locking. It is also ideal for quick turnaround, single tube replacements and window weld applications.

The OD features a narrow head, right-angle design and compact feed handle making it ideal for working in tight spaces.

Using the O.D. Clean cutter with the O.D. locking, you can clean the tube I.D. including removal of rifling.



- Small Diameter I.D. Preps
- Rifled Tubes
- Dutchman Applications
- Corner Tubes
- Narrow Head Fits In 1.500" (38.1 mm) Wide Space
- Weighs Just 19.0 lbs. (8.7 kg)
- Torque-Free Operation



## Specifications\*

|                                 |  |
|---------------------------------|--|
| Working Range.....              | .750" O.D. (19.1 mm) to 2.250" ( 57.2 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 m <sup>3</sup> /min.)              |
| Speed .....                     | 160 RPM  |
| Minimum Working Clearance ..... | 1.500" (38.1 mm) X 13.250" (342.9 mm)          |
| Weight, Pneumatic .....         | 19.0 lbs. (8.6 kg)                             |
| Length.....                     | 18.500" (469.9 mm)                             |
| Head Width.....                 | 1.500" (38.1 mm)                               |
| Saddle Height.....              | 1.500" (38.1 mm)                               |

\* Specifications subject to change without notice.

## Accurate, Safe and Productive

The outside wall locking system delivers torque-free operation, enhancing operator safety and productivity. A series of saddles are available to match your tube requirements. A slide adjustment is provided which compensates for out-of-round tubes to center the tool on the tube for accurate machining. This adjustment is .030" (.76 mm) above or below the clamp saddle size.



### O.D. Clamp Saddles

| Clamp Saddle Size | Tube O.D. |      |
|-------------------|-----------|------|
|                   | Inches    | mm   |
| .750              | .750      | 19.1 |
| .875              | .875      | 22.2 |
| 1.000             | 1.000     | 25.4 |
| 1.125             | 1.125     | 28.6 |
| 1.125             | 1.125     | 31.8 |
| 1.375             | 1.375     | 34.9 |
| 1.500             | 1.500     | 38.1 |
| 1.625             | 1.625     | 41.3 |
| 1.750             | 1.750     | 44.5 |
| 1.875             | 1.875     | 47.6 |
| 2.000             | 2.000     | 50.8 |
| 2.125             | 2.125     | 54.0 |
| 2.250             | 2.250     | 57.2 |

## 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. The model OD standard tool holder is 1.500" (38.1 mm) O.D. A 2.250" (57.2 mm) diameter tool holder can be ordered for larger diameter work where space permits. Each tool holder will accept multiple cutters allowing you to perform two operations at the same time.

### 37.5°, 30° O.D. Bevel



1.500" (38.1 mm) Sliding Tool Holder

.750" (19.1 mm) to 1.500" (38.1 mm)

2.250" (57.2 mm) Sliding Tool Holder

.750" (19.1 mm) to 2.250" (57.2 mm)

### 90° Facing/Shortening



1.500" (38.1 mm) Sliding Tool Holder

.750" (19.1 mm) to 1.500" (38.1 mm)

2.250" (57.2 mm) Sliding Tool Holder

.750" (19.1 mm) to 2.250" (57.2 mm)

### 10° I.D. Bevel



1.500" (38.1 mm) Sliding Tool Holder

.750" (19.1 mm) to 1.500" (38.1 mm)

2.250" (57.2 mm) Sliding Tool Holder

.750" (19.1 mm) to 2.125" (54.0 mm)

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