

# Tube Facing Tool

A crucial step toward consistently acceptable welds is ensuring tube ends are properly prepared for welding. The Swagelok® tube facing tool is designed to machine flat, smooth, square, burr-free and chamfer-free tube ends. The tool can be used on 316 stainless steel, carbon steel, titanium, and most nickel-based alloys.

## Features

- For tube outside diameter sizes 1/8 to 2 in. and 3 to 52 mm
- For wall thickness from 0.02 to 0.109 in. (0.5 to 2.8 mm)
- Chip deflector works in conjunction with cutting insert to prevent chips from curling into tube inside diameter
- Heavy-duty industrial motor with easy speed (r/min) adjustment and control
- Graduated spindle advance for controlled material removal
- Clear plastic safety shield protects operator from the cutting area
- Cutting insert and spindle designed for fast, easy setup and insert change
- Standard Swagelok welding system UCI collets provide rigid holding of components
- CE marked
- Storage and shipping case included



## Specifications

<b>Power Requirements</b>	115 V (ac)
	230 V (ac)
<b>Weight</b>	Approx 12 lb (5.4 kg)
<b>Length</b>	18.0 in. (45.7 cm)
<b>Width</b>	8.5 in. (21.6 cm)
<b>Diameter</b>	4.5 in. (11.4 cm)
<b>Minimum Tangent Length</b>	1 in. (25.4 mm)

## Ordering Information

Geographic Region	Description	Ordering Number	
		Facing Tool Only	Facing Tool With Stand
North America	115 V (ac), 2-pronged plug	SWS-232EP-1	SWS-232EP-1-BMB
United Kingdom	115 V (ac), 3-pronged plug	SWS-232EP-5	SWS-232EP-5-BMB
Continental Europe	230 V (ac), 2-pronged plug	SWS-232EP-7	SWS-232EP-7-BMB

Use in other geographic regions may require an adapter.

## Options and Accessories

### Cutting Inserts

Replacement cutting inserts come in a handy 10-pack. One cutting insert is included with the facing tool.



Description	Ordering Number
Cutting insert	SWS-232-BIT-HST

### Bench-Mount Stand

The bench-mount stand features a quick-release latch that requires no tools. This makes conversion from portable to bench-top use fast and easy.



Description	Ordering Number
Bench-mount stand	SWS-232BMB

### Shipping Case

The facing tool is shipped in a rugged shipping/storage case. Included are two storage cases for collets and cutting inserts which can also be ordered separately. The case will also accommodate the optional bench-mount stand.



Description	Shipping Case Ordering Number
Shipping case	SWS-CASE-4
Cutting insert case	SWS-CASE-5
Collet case	SWS-CASE-6

### Tube Collets

The patented UCI collet design rigidly holds components with a  $\pm 0.005$  in. (0.13 mm) tube outside diameter variation. Two collets are required per size. Collets are not included with the facing tool.



Nominal Outside Diameter in.	Ordering Number
1/8	CWS-20UCI-02
1/4	CWS-20UCI-04
3/8	CWS-20UCI-06
1/2	CWS-20UCI-08
3/4	CWS-20UCI-12
1	CWS-20UCI-16
1 1/4	CWS-20UCI-20
1 1/2	CWS-20UCI-24
2	CWS-20UCI-32

Nominal Outside Diameter mm	Ordering Number
3	CWS-20UCI-3MM
6	CWS-20UCI-6MM
8	CWS-20UCI-8MM
10	CWS-20UCI-10MM
12	CWS-20UCI-12MM
18	CWS-20UCI-18MM
20	CWS-20UCI-20MM
22	CWS-20UCI-22MM
25	CWS-20UCI-25MM
28	CWS-20UCI-28MM
35	CWS-20UCI-35MM
52	CWS-20UCI-52MM

#### Safe Product Selection

**When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.**

**Caution: Do not mix or interchange parts with those of other manufacturers.**

### Warranty Information

Swagelok products are backed by The Swagelok Limited Lifetime Warranty. For a copy, visit [swagelok.com](http://swagelok.com) or contact your authorized Swagelok representative.