

# Hydraulic Swaging Unit



## Air-Actuated (AHSU)

- Swages 1/4, 3/8, and 1/2 in. and 6, 8, 10, and 12 mm Swagelok® tube fitting ferrules onto tubing prior to assembly
- Reduces makeup torque and installation time
- CE compliant

## Features

- Preswages Swagelok ferrules onto tubing
- Provides Swagelok tube fitting connections that are 100 % gaugeable upon initial installation
- Requires only one unit with interchangeable tooling to install 1/4 to 1/2 in. and 6 to 12 mm Swagelok tube fitting ferrule sizes
- Places no initial strain on nut or fitting body threads or on body seal surfaces
- Requires no threading of nut on or off the tooling
- Fits neatly in a rugged plastic carrying case.
- Reduces assembly and installation time and operator error

## Technical Data

- Dimensions—AHSU case
  - Height—19 in. (48.3 cm)
  - Width—15.5 in. (39.4 cm)
  - Depth—7.5 in. (19.0 cm)
- Weight
  - AHSU in case with tooling kit—28 lb (12.7 kg)
- Power requirements—20 to 70 psig (1.3 to 4.8 bar) regulated shop air, depending on fitting size and material
- Construction
  - High-strength stainless steel tooling for durability and corrosion resistance
- Air inlet port—1/4 in. Swagelok tube fitting

## Components

### AHSU

- Air-actuated hydraulic swaging unit
- Hex key
- Adapter plates—for tube fittings smaller than 1/2 in. or 12 mm
- Safety glasses
- Gap inspection gauges
- Operating instructions
- Carrying case



### Tooling Kits

- Die head sets and gap inspection gauges for Swagelok tube fitting sizes:
  - fractional—1/4, 3/8, and 1/2 in.
  - metric—6, 8, 10, and 12 mm

## Ordering Information

Select an ordering number.

AHSU	Ordering Number
AHSU only (tooling required, ordering numbers at far right)	MS-AHSU-E
AHSU with Tooling Kit	
1/4, 3/8, 1/2 in.	MS-AHSU-E-FKIT
6, 8, 10, 12 mm	MS-AHSU-E-MKIT

### Operating Instructions

AHSU ordering numbers include English instructions. For other languages, replace **E** with a language designator.

Language	Designator
Chinese	C
French	F
German	G
Japanese	J
Spanish	S

Examples: MS-AHSU-C  
MS-AHSU-C-FKIT

### Tooling

Size	Ordering Number
Fractional	
1/4 in.	MS-AHSUT-400-1
3/8 in.	MS-AHSUT-600-1
1/2 in.	MS-AHSUT-810-1
Metric	
6 mm	MS-AHSUT-6M0-1
8 mm	MS-AHSUT-8M0-1
10 mm	MS-AHSUT-10M0-1
12 mm	MS-AHSUT-12M0-1

### Accessories

Component	Fitting Size	Ordering Number
Replacement gap inspection gauge	1/4, 3/8, and 1/2 in.	MS-IG-AHSU-468
	6, 8, 10, and 12 mm	MS-IG-AHSU-612M

**!** The AHSU cannot be used with SAF 2507™ tube fittings.

#### 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.**

Swagelok—TM Swagelok Company  
SAF 2507—TM Sandvik AB  
© 2001, 2003 Swagelok Company  
Printed in U.S.A., GLL  
May 2003, R1  
MS-02-155