

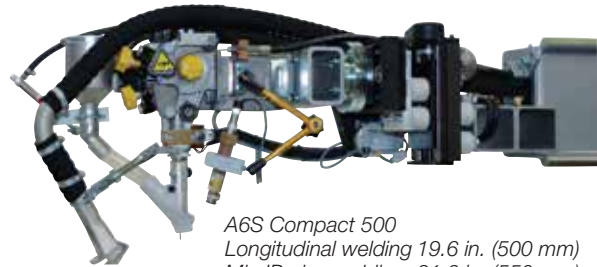
A6S Compact Welding Heads

For Internal Welding Inside Tubes

- For welding longitudinal and circumferential butt joints inside tubes
- Two versions available:
 1. A6S Compact 300 for internal welding of tubes down to 11.8 in. (300 mm) inside diameter
 2. A6S Compact 500 for internal welding of tubes down to 19.6 in. (500 mm) inside diameter
- Equipped with reliable VEC feed motor for superior weld performance
- Supervise and adjust the head position using a TV monitoring system (optional)
- Use standard mini-cross slide assembly and manual PAV or automatic GMH joint tracking system to easily follow the joint (optional)
- Add either the FFRS Basic/Super or FFRS 2000/3000 Flux Feed & Recovery System to optimize the welding process



A6S Compact 300
 Longitudinal welding 11.8 in. (300 mm)
 Min ID circ. welding 19.6 in. (500 mm)



A6S Compact 500
 Longitudinal welding 19.6 in. (500 mm)
 Min ID circ. welding 21.6 in. (550 mm)

Ordering Information

| | |
|----------------------------------|------------|
| A6S Compact 300, standard..... | 0809280880 |
| A6S Compact 300, high-speed..... | 0809280881 |
| A6S Compact 500, standard..... | 0416967880 |
| A6S Compact 500, high-speed..... | 0416967882 |

For specifications and more information for A6S Compact 500, please contact your local ESAB representative.

Options & Accessories - Compact 300

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|---|------------|
| Flux valve control kit ¹ | 0813620880 |
| Laser pointer..... | 0811177880 |

¹Includes solenoid valve and 16.4 ft. (5 m) air hose.

Contact Tips, wire size

| | |
|------------------------------|------------|
| M12, 7/64 in. (3 mm) | 0154623005 |
| M12, 1/8 in. (3.2 mm) | 0154623004 |
| M12, 5/32 in. (4.0 mm) | 0154623003 |

Feed Rollers, wire size

| | |
|----------------------------|------------|
| 1/8 in. (3.0-3.2 mm) | 0218510298 |
| 5/32 in. (4.0 mm) | 0218510286 |

Specifications

| Compact 300 | |
|--|--------------------|
| Wire diameters, in. (mm): | |
| Steel | 1/8-5/32 (3.0-4.0) |
| Stainless steel | 1/8 (3.2) |
| Permissible load 100%, A | 800 |
| Control voltage, V AC | 42 |
| Travel speed, ipm (m/min) | 4-67 (0.1-1.7) |
| Linear slides stroke range, in. (mm) | 2 (50) |
| Rotary slide setting range | 360° |
| Wire feed speed, standard, ipm (m/min) | 8-157 (0.2-4.0) |
| Wire feed speed, high-speed, ipm (m/min) | 15.7-315 (0.4-8.0) |