

A6S Arc Master

Modular System for GMAW and SAW



- Comprehensive component and module system make process customization easy
- A6 VEC motor for reliable and consistent wire feed
- Accurate, easy manual PAV or automatic GMH joint tracking with manual slides or joystick-controlled, motor-operated cross slides
- Capable of heavy-duty gas metal arc welding (GMAW), single/twin wire submerged arc welding (SAW), as well as strip cladding, and ICE™ (Integrated Cold Electrode) welding with optional accessories
- Uses A2-A6 PEK process controller for fast, accurate pre-setting of all parameters before welding starts
- Feedback system ensures high and consistent welding quality - saves time and material
- The welding heads can be equipped with a standard wire feed unit (gear ratio 156:1) or with a high-speed wire feed unit (gear ratio 74:1)



A6S Arc Master

Ordering Information

Single Wire SAW Systems

Standard Wire Feed Unit (gear ratio 156:1)

Manual slides 8.3x8.3 in. (210x210 mm) 0449270900
 Motorized slides 11.8x11.8 in. (300x300 mm), PAV ... 0449270901
 Motorized slides 11.8x11.8 in. (300x300 mm), GMH. 0449270902

High-Speed Wire Feed Unit (gear ratio 74:1)

Manual slides 8.3x8.3 in. (210x210 mm) 0449270910
 Motorized slides 11.8x11.8 in. (300x300 mm), PAV ... 0449270911
 Motorized slides 11.8x11.8 in. (300x300 mm), GMH. 0449270912

Twin Wire SAW Systems

High-Speed Wire Feed Unit (gear ratio 74:1)

Manual slides 8.3x8.3 in. (210x210 mm) 0449271910
 Motorized slides 11.8x11.8 in. (300x300 mm), PAV ... 0449271911
 Motorized slides 11.8x11.8 in. (300x300 mm), GMH. 0449271912



A6S Arc Master shown with camera system

Specifications

A6S Arc Master	Ratio 156:1	Ratio 74:1
Max. wire feed speed, ipm (m/min)	8-157 (0.2-4.0)	0.4-8.0 (16-315)
Wire diameter, single, in. (mm)	0.118-0.236 (3.0-6.0)	1.6-4.0 (0.063-0.157)
Wire diameter, twin, in. (mm)	2x0.079-2x0.118 (2x2.0-2x3.0)	2x1.6-2x2.5 (2x0.063-2x0.098)
Tubular wire single, in. (mm)	0.118-0.157 (3.0-4.0)	1.6-4.0 (0.063-0.157)
Linear slide stroke length, in. (mm)	3.5 (90)	3.5 (90)
Rotary slide setting range:		
Circular slide, crank operated	± 180°	± 180°
Straightener	± 45°	± 45°
Max. permissible load, 100%, A	1500	1500

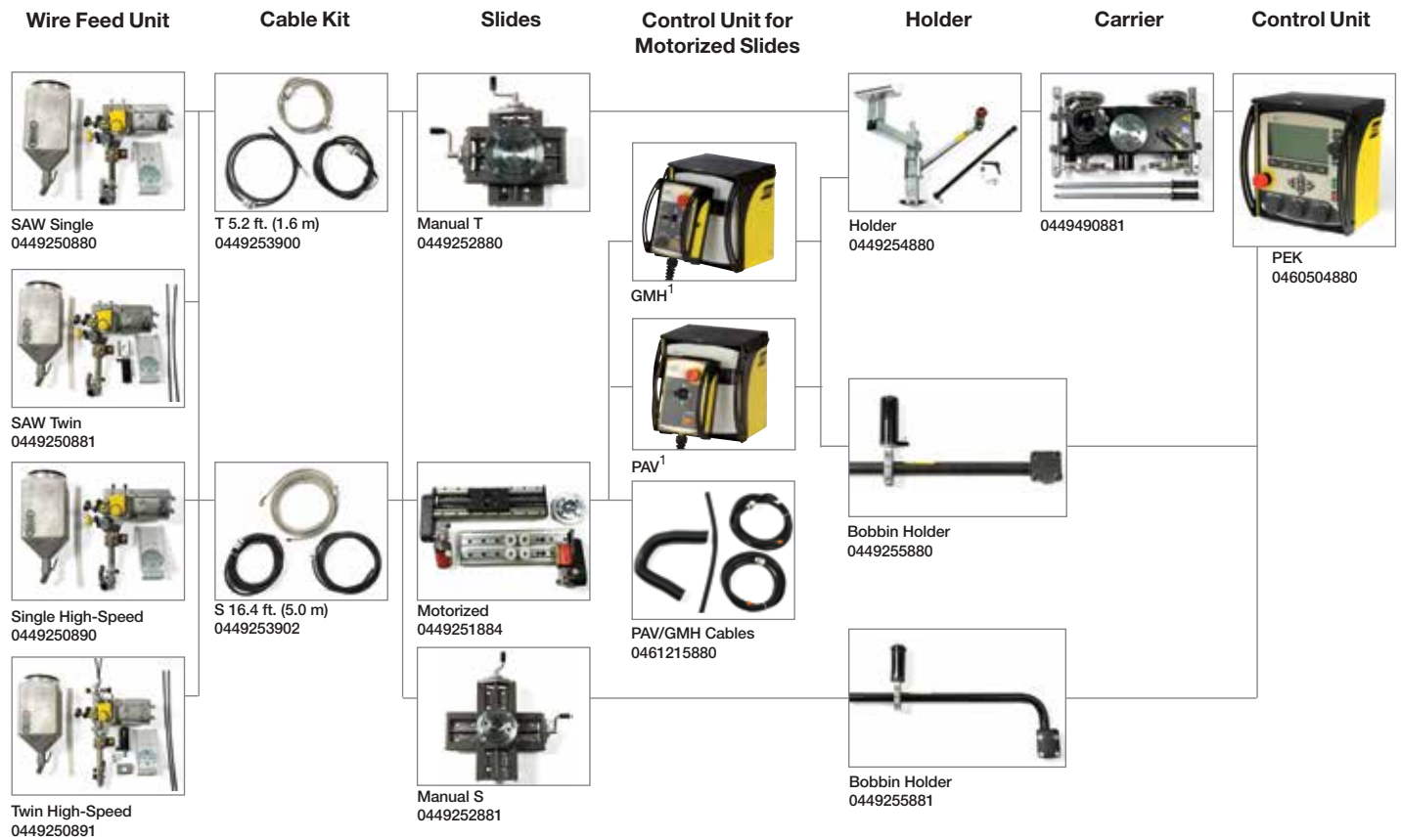
ESAB Welding and Cutting Products

USA: www.esabna.com / 1.800.ESAB.123 | Canada: www.esab.ca / 1.877.935.3226 | Mexico: www.esab.com.mx / (81) 8305-3700

A6 Component System Modularization



A2-A6 PEK Process Controller



¹Part numbers for PAV and GMH, see Accessory Components.