

# A6S and A6DS Tandem Welding Heads For Heavy Construction Welding



- Weld with DC/DC, DC/AC or AC/AC
- Uses A2-A6 PEK process controller for quick and accurate programming of welding parameters for each torch
- Feedback system gives high and consistent welding quality from start to finish, saving time and money
- Versatile positioning through easy to use, complete slide assembly for welding torch position, distance stick-out, and angle on both leading and trailing torches
- Enhance productivity by adding optional equipment such as Twin Wire and ICE™ (Integrated Cold Electrode) systems
- Adjustable +90° interval turning bracket and cross slide
- Automatic joint tracking keeps the weld in the joint no matter which direction welding occurs
- Available in two basic versions:
  1. **A6S Tandem Master** - optimized for welding across multiple perpendicular axes and is key in the welding of cylindrical objects where both longitudinal and circumferential welding is required
  2. **A6DS Tandem Master** - optimized for welding in multiple directions and is key in the automated welding of long weld joints such as beams and girders
- 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)



## Ordering Information

A6S Tandem Master, standard (156:1) .....	0818971880
A6S Tandem Master, high-speed (74:1) .....	0818971881
A6DS Tandem Master, standard (156:1).....	0818970880
A6DS Tandem Master, high-speed (74:1).....	0818970881

## Options & Accessories

Twin kit (one per torch) .....	0809934882
GMH, joint tracking with remote .....	0460884880
GMH, joint tracking with control panel .....	0460884881
GMH, slide motor cables, 16.4 ft. (5 m) .....	0461215880
Laser lamp kit, cable, 23 ft. (7 m).....	0821440883
Bracket (straight) for wire .....	0334318880
Brake hub, for wire reel .....	0146967880
Wire reel, plastic, 66 lbs. (30 kg).....	0153872880
Wire reel, steel, fixed width, 66 lbs. (30 kg).....	0416492880
Wire reel, steel, flexible width, 66 lbs. (30 kg) ..	0449125880

## Specifications

Basic Components	A6S Tandem Master	A6DS Tandem Master
A6 feed unit HD type for wire 1/8-1/4 in. (3-6 mm)	2 pcs	2 pcs
Horizontal motorized slide with double runners L = 14 in. (355 mm)	1 pc	1 pc
Vertical motorized slide with double runners L = 23.4 in. (595 mm)	1 pc	1 pc
A2-A6 PEK process controller	2 pcs	2 pcs
Flux hopper, 2.3 gal (10 L) including bracket	1 pc	1 pc
Cable holder	1 pc	1 pc
Main bracket with mounting flange for cross slide assembly	1 pc (0810786880)	-
Swivel bracket for rotating head 90°	1 pc (0334549880)	1 pc (0809873880)
Welding head	2 pcs	2 pcs
Each welding head has:		
A6 manual slide L = 3.5 in. (90 mm)	1 pc (0154465880)	1 pc (0154465880)
A6 circular slide	1 pc (0671171580)	1 pc (0671171580)
Insulators	4 pcs (0278300180)	4 pcs (0278300180)
Weight (excl PEK, wire and flux), lbs. (kg)	474 (215)	419 (190)

## ESAB Welding and Cutting Products

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