

ProStar™ Seam Welders



ProStar I/50 Series Seamers



ProStar E Series Seamers



Built with Valuable Features for Faster Changeovers and Superior Quality

ProStar's longitudinal seamers are available in either external or internal/flat sheet models. They are specifically designed for 100% penetration, single-pass welds on cylinders and flat sheets while minimizing or eliminating heat distortion to the material.

ProStar seamers are typically used for butt welds. With slight modifications certain corner joints, such as cones, bowed shapes and lap welds can be welded efficiently.

INNOVATIVE FEATURES

- Buildup of magnetism is minimized through a unique design that can reduce or even eliminate arc blow
- Cantilevered design at one end allows loading and unloading of cylinders or other closed sections that require a longitudinal seam
- ProStar seamers provide exceptional visibility around the weld head and work area

QUICK-CHANGE ROCKING BACKUP BAR

- Patented design minimizes downtime when changing back-up bars. Ideal for situations where seamers are run continuously, or for welding different materials and materials of different thicknesses.

Seam Welders

Some of today's toughest, most productive fabrication workhorses are backed by Praxair.



EXTERNAL SEAMERS	WELD LENGTH	CLAMPING LENGTH	WORKPIECE DIMENSIONS (ID - OD)	MATERIAL THICKNESS	FOORPRINT	MANDREL HEIGHT	APPROX SHIPPING WEIGHT
PRS24E3530	24 in.	30 in.	3.5 in. - 30 in.	.020 in. - 3/8 in.	73 in. x 335/16 in. x 651/16 in.	37 in.	2,400 lbs.
PRS36E3530	36 in.	42 in.	3.5 in. - 30 in.	.020 in. - 3/8 in.	86 in. x 335/16 in. x 651/16 in.	37 in.	2,500 lbs.
PRS48E4230	48 in.	54 in.	4.2 in. - 30 in.	.020 in. - 3/8 in.	98 in. x 345/16 in. x 657/16 in.	37 in.	2,800 lbs.
PRS60E5230	60 in.	66 in.	5.2 in. - 30 in.	.020 in. - 3/8 in.	110 in. x 345/16 in. x 657/16 in.	37 in.	3,600 lbs.
PRS72E636	72 in.	78 in.	6 in. - 36 in.	.020 in. - 3/8 in.	122 in. x 347/16 in. x 717/16 in.	43 in.	4,000 lbs.
PRS96E836	96 in.	102 in.	8 in. - 36 in.	.020 in. - 3/8 in.	149 in. x 347/16 in. x 717/16 in.	43 in.	5,500 lbs.
PRS120E936	120 in.	126 in.	9 in. - 36 in.	.020 in. - 3/8 in.	168-1/4 in. x 347/16 in. x 737/16 in.	45 in.	6,500 lbs.
PRS144E636	144 in.	150 in.	11 in. - 36 in.	.020 in. - 3/8 in.	192-1/4 in. x 347/16 in. x 737/16 in.	45 in.	8,500 lbs.
PRS168E1436	168 in.	174 in.	14 in. - 36 in.	.020 in. - 3/8 in.	266 in. x 347/16 in. x 737/16 in.	45 in.	9,750 lbs.
PRS192E1436	192 in.	198 in.	14 in. - 36 in.	.020 in. - 3/8 in.	270-1/2 in. x 453/8 in. x 81 in.	473/8 in.	11,000 lbs.

INTERNAL SEAMERS	WELD LENGTH	CLAMPING LENGTH	WORKPIECE DIMENSIONS (ID - OD)	MATERIAL THICKNESS	FOORPRINT	MANDREL HEIGHT	APPROX SHIPPING WEIGHT
PRS120I50-FS	120 in.	126 in.	min. 50 in. ID	.020 in. - 3/8 in.	17 ft. 7-1/4 in. x 43 in. x 599/16 in.	2115/16 in.	9,450 lbs.
PRS144I50FS	144 in.	150 in.	min. 50 in. ID	.020 in. - 3/8 in.	19 ft. 7-1/4 in. x 43 in. x 599/16 in.	2115/16 in.	10,490 lbs.
PRS168I50FS	168 in.	174 in.	min. 50 in. ID	.020 in. - 3/8 in.	14 ft. 6 in. x 43 in. x 599/16 in.	2115/16 in.	11,780 lbs.
PRS192I50FS	192 in.	198 in.	min. 50 in. ID	.020 in. - 3/8 in.	23 ft. 9-3/4 in. x 43 in. x 601/16 in.	2315/16 in.	13,865 lbs.
PRS216I50FS	216 in.	222 in.	min. 50 in. ID	.020 in. - 3/8 in.	26 ft. 1-1/4 in. x 43 in. x 601/16 in.	2315/16 in.	15,950 lbs.
PRS240I50FS	240 in.	246 in.	min. 50 in. ID	.020 in. - 3/8 in.	28 ft. 1-1/4 in. x 43 in. x 601/16 in.	2315/16 in.	17,520 lbs.

- STANDARD EQUIPMENT**
- Copper back-up bar with backup groove machined to customer specifications
 - Water-cooled mandrel
 - Two seam alignment gauges
 - Variable pressure aluminum finger clamping system
 - Safety air-interlock on mandrel latch
 - Machined side beam track
 - Rack and pinion carriage travel

Available Options

- Replaceable copper tipped fingers
- Replaceable stainless steel tipped fingers
- Stainless steel backup bar
- Water cooler
- Powered elevation
- Side beam track extension
- Power cable support track
- Powered end latch
- Automatic pneumatic seam alignment gauges
- Vertical seamers
- Cars and conveyors
- Computerized controls
- Rotating mandrels
- Oscillation
- Automatic voltage control
- Wire feeding
- Video
- Seam tracking
- Slides
- Carriages
- Remote mounting of reels or flux delivery and recovery systems
- Torch lead/lag brackets
- Weld head mountings
- Gas backup bars
- Fume exhaust mounting
- Solid strip fingers
- Adjustable mandrels
- Pneumatic torch lift
- Patented rocking backup bar