

Double-Pinch Angle Rolls



ProStar™ PRSPAR305 CNC Series Angle Rolls



- Shipyards
- Roads & bridges
- Utilities & infrastructure
- Playgrounds
- Energy
- Petrochemical
- Transportation

- Flats hard: 3 in. × 5/8 in. Ø30
- Flats easy: 5 in. × 1 in. Ø26
- Pipe schedule 40: 2-1/2 in. Ø32
- Angle leg-in: 2-1/2 in. × 5/16 in. Ø42

PRSPAR305 shown with optional CNC control stand.

Heavy-Duty Angle Rollers Capacities from 1 inch to 10 inch

**HORIZONTAL / VERTICAL CONFIGURATIONS
CUSTOM BUILDS ARE NO PROBLEM**

Contact your Praxair representative for details.

30 PRECONFIGURED MODELS

ProStar's fully-hydraulic, double-pinch angle rolls come with an impressive set of standard production features. All machines ship with a standard, universal roll set to roll most all common shapes.

GENERAL CHARACTERISTICS

PRSPAR Series features independent hydraulic adjustment of lateral bending rolls, with powered rotation of all three bending rolls. Medium-sized models are designed to operate shafts with both horizontal and vertical orientations. These versatile units are ideal for rolling standard and special sections, tube and pipe in mild and structural stainless steels, aluminum, brass, copper, and other materials.

PRSPAR305 CNC STANDARD FEATURES

- Flats hard way: 3 in. × 5/8 in., Pipe: 2-1/2 in., Angle leg-out: 3 × 3/8 in.
- Double-pinch geometry permits pre-bending of leading and trailing ends without removing profiles from the machine.
- Telescoping modular multi-component roll set is designed to bend standard sections such as angle leg-in / leg-out, square or rectangular tube, and a variety of material types & shapes.
- Tri-directional lateral guides with cam rollers for correcting inherent twist when rolling angle leg-in.

Angle Rolls

Is your business as productive as it could be?
Praxair can help you stay ahead of the competition.



- Flats hard: 4 in. x 1 in. Ø44
- Flats easy: 7 in. x 1-3/8 in. Ø32
- Pipe schedule 40: 4 in. Ø45
- Angle leg-in: 4 in. x 3/8 in. Ø50

- Flats hard way: 6 in.
- Schedule 80 pipe: 6 in.
- Angle leg-out & leg-in: 6 in.
- Square tube: 5-1/2 in.



PRSPAR307 & PAR310
shown with optional CNC
control stands.



UNMATCHED STANDARD FEATURES

- Rugged, rigid, one-piece solid steel weldment frame, normalized and precision machined. Ample-sized access panels and ventilation for internal hydraulic unit.
- Three driven shafts with three direct-coupled hydraulic motors and planetary speed reducers provides 100% efficient torque delivery on larger models.
- Dual digital LED readouts monitor both lower bending rolls for precision rolling control.
- Larger, high-strength steel shafts, heat-treated and ground; journaled in dual self-aligning spherical roller bearings for optimum performance under extreme working loads.
- Hydraulic power unit integral to the machine frame with maximum pressure overload relief valves.
- Multi-axis, six-way fully adjustable lateral guides, hydraulic powered on most models.
- Variable speed rotation via electronic proportional valves on larger models.
- Universal bending rolls with modular components, hardened and wear resistant.

Available Options

- Rolls for tubes, pipes and special profiles
- Tooling for production of half-tubes
- Overhead supports for coil production
- Compression and tension tooling for C, H & I beams, hard way
- 3 CNC control options with automation levels for repetitive jobs and production of variable-radius, multiple-radius bends
- Powered movements on lateral material guides on smallest models
- LED digital displays for lateral guides or CNC controlled guide movements

Surface and pit mount models for section sizes up to:

- Flats hard way 20 in.
- Angle leg-out & leg-in 10 in.
- Schedule 40 pipe 20 in.
- Square tube 20 in.



PRSPAR310 in-floor application