

CPS SERIES



CPS50

FEATURES

- Three Driven Rolls Universal Profile Bender Initial Pinch Geometry for Serial Production
- Hydraulic Up / Down Movement on Forming Roll
- High Strength Hardened Shafts w/Roller Bearings
- Universal Bending Rolls, Smooth, Induction Hardened
- Horizontal & Vertical Working Position (BA/CPS 35&40)
- Push Button Controls, Detached Console w/ E Stop
- LED Readout, Large High Brightness, 24VAC Controls
- 400 Memory Automatic Position Repeat "APR" System
- Flush Mount Switch Gear Panel with Safety Lamps
- Bending Roll Moving on Adjustable, Hardened Gibbs
- Adjustable Lateral Material Guide
- Service Tools and Illustrated Manual

VERSIONS 20 - 35 - 50

CPS (Standard)

Models 20, 35 & 50 with Single Rolling Speed and all Features as listed to the left

CPS-REV (Variable Rolling Speed)














CPS Version + Stepless variable speed, digital Inverter and potentiometer for precision bending aluminum extrusions and extreme tight diameters

CPS-AUT (Automatic Bend Execution)

REV Version + Programmable Control and Proximity Sensors to execute a bend in a production environment

CPS CAPACITIES

Based on Mild Steels

| SHAPE | 20 Maximum Size | 35 Size & Minimum I.D. | 50 Minimum I.D. |
|---|--------------------|---------------------------|--------------------|
|  | 1 x 1/4 Ø 8" | 2 x 3/8 Ø 14" | 2-3/4 x 1/2 Ø 20"* |
|  | 1-3/4 x 3/8 Ø 12" | 3-1/2 x 5/8 Ø 16" | 4x5/8 Ø 14"* |
|  | 1-1/8 Ø 5" | 1-1/4 Ø 16" | 1-1/2 Ø 24" |
|  | 3/4 x 3/16 Ø 8" | 1-1/2 x 1/4 Ø 16" | 2-1/4x1/4 Ø 30"* |
|  | 3/4 x 3/16 Ø 10" | 1-1/2 x 1/4 Ø 22" | 2-1/4x1/4 Ø 38" |
|  | 1 Ø 6" | 2 Ø 14" | 2-1/2 Ø 20" |
|  | 1 Ø 6" | 2 Ø 16" | 2-1/2 Ø 20" |
|  | 1-1/4 Ø 8" | 2-1/2 Ø 18" | 3-3/4 Ø 26"* |
|  | 1-1/4 Ø 10" | 2-1/2 Ø 20" | 3-3/4 Ø 30"* |
|  | 1/2 Ø 4" | 1-1/4 Ø 16" | 1-1/2 Ø 24" |
|  | 1/2 Ø 12" | 1-1/2 Ø 20" | 2 Ø 36" |
|  | 1-1/4 x 1/16 Ø 16" | 2-1/2x1/16 Ø 30" | 2-1/2x10ga. Ø 34" |
|  | 3/4 x 1/16 Ø 12" | 1-1/2x1/8 Ø 40" | 2-1/4x1/8 Ø 50"* |
|  | 1-1/4 x 3/8 x 1/16 | 2x 1-1/4 x 1/8 | 2-3/4x1-1/2x1/8"* |

* On some sections for limited quantities it may be possible to use standard rolls. For optimum results or if production runs are required, it is necessary to use optional rolls and or optional accessories.

| Driven Rolls | 3 | 3 | 3 |
|-------------------|-------------|--------------|--------------|
| Rolling Speed fpm | 10 | 13 | 16 |
| Working Plane | Vertical | Vert./Horiz. | Vert./Horiz. |
| Repeat Control | Auto repeat | Auto-Repeat | Auto-Repeat |

Chart indicates minimum suggested inside bending diameters at maximum section size using mild steel - Specifications subject to change/modification without prior notice - Data is approximate - Contact your authorized dealer for specific tooling capabilities/requirements on shapes and sizes to be bent. Special rolls and/or tooling may be required for some angle, channel rolling and/or for serial production on some sections - Bending I.D.'s may be limited by predicted material distortion



CPS20

CPS35