



ROUND DO 3-Roll Plate Bending Machine Type PSE 110 – 185



Standard execution.

- Hydraulic infinitely variable drive on all three rolls via low speed hydraulic motor.
- Slip clutch for the top roll, compensating for the difference in surface speed between the inner and outer circumference of the plate.
- Hydraulic infinitely variable adjustment of the two lower rolls.
- Parallel adjustment of the lower rolls via hand levers (PSE 150 and PSE 185)
- Alignment grooves in the two lower rolls (not valid for hardened rolls).
- SKF spherical roller bearings in all journals.
- Hydraulic operation of the drop end.
- Permanent balanced top roll when operating the drop end.
- Control panel fixed mounted on the motor frame.
- Complete electric equipment incl. two emergency stops. One on each end of the machine.
- Operator's manual and service instructions.



ROUND0 3-Roll Plate Bending Machine Type PSE. Capacities and Specifications in mm.

Machine size	Prebending capacity	Rolling capacity:		Diameter of rolls	Motor kW	Net weight tons	Gross weight tons	Dimensions of basic machine L x W x H		
		Circular 1)	Circular 2)					L	W	H
110	1000 x 3	1000 x 4	1000 x 5	110	1,5	0,9	1,1	1780	840	1000
150	1250 x 5	1250 x 6	1250 x 7	150	3	1,9	2,2	2070	910	960
110	1500 x 2,5	1500 x 3,5	1500 x 4,5	110	1,5	1,3	1,5	2280	840	1000
150	1500 x 4	1500 x 5	1500 x 6	150	3	2,0	2,3	2320	910	960
185	1500 x 5	1500 x 7	1500 x 8	185	4	2,8	3,2	2460	1100	1100
110	2000 x 2	2000 x 3	2000 x 4	110	1,5	1,5	1,8	2780	840	1000
150	2000 x 3,5	2000 x 4,5	2000 x 5,5	150	3	2,2	2,5	2820	910	960
185	2000 x 4,5	2000 x 6,5	2000 x 7,5	185	4	3,1	3,5	2960	1100	1100
150	2500 x 3	2500 x 4	2500 x 5	155	3	2,4	2,7	3320	910	960
185	2500 x 4	2500 x 6	2500 x 7	185	4	3,4	3,8	3460	1100	1100
150	3000 x 2,5	3000 x 3,5	3000 x 4,5	160	3	2,6	2,9	3820	910	960
185	3000 x 3	3000 x 4,5	3000 x 5,5	190	4	3,7	4,1	3960	1100	1100

1) Diameter 400 mm for machine size 110, 500 mm – size 150 and 600 mm – size 185.

2) Diameter 800 mm for machine size 110, 1000 mm – size 150 and 1500 mm – size 185

All capacities are based on steel with yield point 270 N/mm². The min. bending diameter is 1,1 – 1,4 x the top roll diameter depending on the plate thickness. Remaining straight end after prebending 1,5 – 2 x plate thickness. Approximate shipping volume is received by adding 400 mm to L, W and H.

All data subject to be changed without prior notice.

Optional equipment:

- Cone bending device.
- Hydraulically tiltable top roll (PSE 110 only).
- Hardened and ground rolls.
- Digital readouts.
- Wire cable operated emergency stop.
- Double control with fixed mounted control panel on both sides of the motor frame.
- Push button control with two-speed function.
- Push button control with infinitely variable speed.



Detail of motor frame with hand levers.



PSE 110 with tiltable top roll for cone bending.



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