

Tube bending machine

Provar 6 Axis

SERIES 45

The PROVAR 6 Axis Series 45 is a fully automatic, 3 axis tube bending machine: bending (Y axis), advancement (X axis) and rotation (Z axis). The PROFAST Series 45 can bend tubes up to 45 mm in diameter and lateral movement of the positioner and of the mandrel (axes B1 and B2) and up-down movement of the head (axis A).

The PROVAR 6 Series 45 can bend tubes up to 45 mm in diameter and has two levels of equipment per fixed and variable radius or two different fixed radii.

The following are fitted as standard:

- heat exchanger;
- early mandrel extraction;
- automatic mandrel lubrication.

SERIE 45



EURO



PROFAST



PROVAR 5



PROVAR 6

DATA SHEET - PROVAR 6



FEATURES	U.M.	PROVAR 6
Y Max. bending speed	°/1"	150
Y Tolerance	+/- °	0.1
X Max. traverse speed	mm 1"	1000
X Tolerance	+/- mm	0.1
Z Max. gripper rotation speed	°/1"	450
Z Tolerance	+/- °	0.1
B1 Max. speed	mt/1"	24
B1 Tolerance	+/- mm	0.1
B2 Max. speed	mt/1"	24
B2 Tolerance	+/- mm	0.1
A Max. speed	mt/1"	3
A Tolerance	+/- mm	0.1
Weight	+/- Kg	4500

BENDING CAPACITIES	U.M.	PROVAR 6
Round tube R=42 Kg/mm ²	mm	45x4
Variable curve R=42 Kg/mm ² RM min 10 D	mm	35x2
Round stainless steel tube	mm	40x3
Round tube Alum. Brass Copper Alloys	mm	45x5
Square tube R=42 Kg/mm ²	mm	40x40x2
Rect. tube bent easy way	mm	30x45x2
Rect. tube bent hard way	mm	40x35x2
Round bar R=42 Kg/mm ²	mm	30
Square solid R=42 Kg/mm ²	mm	25x25
Min. R.I. with normal axle	mm	≥30
Min R.I. special	mm	≤30
Max. R.M. with rolls	mm	260
Mandrel extraction stroke	mm	60
Max bending angle	°	195
Working length	mm	3450
Machine extensions	mm	1540

Machine features are indicative and not binding. Macri Italia s.r.l. reserves the right to make changes for the purposes of technical improvement.