

Pipe-Bending Machine

Schwarze Robitec CNC 60 TB MR



stock-no.:	0100046
type of machine:	Pipe-Bending Machine
make:	Schwarze Robitec
type:	CNC 60 TB MR
year of manufacture:	2011
type of control:	CNC
country of origin:	Germany
storage location:	Leipzig 5
delivery time:	immediately
freight basis:	EXW, free on truck unpacked
price:	on request



technical details

tube diameter:	60 mm
wall strength:	3,0 mm
bending radius min.:	20 mm
tube diameter max.:	60 mm
wall thickness max.:	3,0 mm
tube pipe draw up length:	1500 mm
bending angle max.:	180 + Auffederung °
Number of working hours:	34 797 h
Total power requirement:	55 kW
Weight approx.:	8,0 t
machine dimensions LxWxH:	6,3 x 3,3 x 1,9 m
dimensions electric cabinet LxWxH:	2,7 x 0,7 x 2,0 m
dimension device 1:	Steuerpult: 0,9 x 0,6 x 1,85 m
dimension device 2:	Rohrmagazin: 1,8 x 2,4 x 1,75 m

additional information

This is an automatic pipe cold bending machine.
Multiple radii can be bent.
Radius differences freely programmable via CNC control up to 6 levels.

Pipe positioning device in NTB design

Pipe diameter:

min. Tube Ø : 16mm

max. capacity of machine Tube Ø x wall thickness: mild steel=Ø 60x3 mm and stainless steel=Ø 57x2 mm

Bending radius to pipe center:

min. Ø 20 mm

max. Ø 200 mm

Bending to left.

max. tensile strength of the material to be bent:

Stainless steel 750 N/mm²

mild steel 450 N/mm²

max. bending speed:

FORWARD, infinitely variable / programmable 22.0 1/min.

RETURN, constant 22,0 1/min.

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Height adjustment multiple radii:

lowest tube center 55 mm

Height travel suitable for 3-groove bending tools

Twisting:

Twisting angle max. 360°; speed 50 min⁻¹

-gripper

-tube magazine Schwarze-Robitec, tube length min./max.: 400 7 1500 mm, tube outer Ø min./max.: 28 7 60 mm

-Hydraulic filling volume 340 liters

-Hydraulic operation for: bending table drive; tool clamping; slide rail pressure, direct acting; reinforced slide rail feed and return; mandrel return feed device

-operator/control panel from Schwarze Robitec

-2x foot contact operation

-cooling unit on control cabinet Rital, type SK 3361100

accessories:

div. bending tools for Ø 60 mm tube

div. auxiliary tools