
Bending machines (5)

Bending machines



BENDING MACHINE 2000 X 15/20 MM

Model : 15/20-2000

Manufacturer : *DUCCI*

Mechanical Bending machine Ducci 2000 x 15/20 mm - 3 Rolls - Useful length mm 2000 - Bending mm 20 -
Prebending mm 15



BENDING MACHINE 2000 X 6 MM - 3 ROLLS

Model : 6/2000

Manufacturer : SERTOM

MECHANICAL BENDING MACHINE "SERTOM" 2050 X 6 MM – WITHOUT PREBENDING.

Diameter superior roll

Mm 160

Painted

Cleaning rools



BENDING MACHINE 3000 X 25 / 32 MM

Model : AK 332

Manufacturer : MG

BENDING ROLL MACHINE "MG" MOD. AK332E 3 ROLL DOUBLE PINCH PLATE

Standard equipment:

- Compact hydraulic power unit including hydraulic valves and flexible hydraulic hoses
- Electric control cabinet including overload protection for electric motor, electric fuses, electric contacts, electric relays, and security key-lock door
- Special front/pivoting operators console including progressive hydraulic controls for all machine
- Hydraulic machine opening to extract finished cylinders
- Multi-system emergency safety device for instantaneous stopping of all movements.
- Floating control w/electro valves

Features:

- All steel structural welded frame construction (often no foundation required)
- Hydraulic drives with infinitely variable speeds automatically adjusted by progressive controls (hydroelectric valve machines excluded)
- Plate is driven by high-energy efficiency hydraulic motor/planetary drive eliminating secondary reduction gears, chains, synchronization devices and clutches.
- Instantaneous drive stop of rolls by hydraulic over-center valves
- Side-forming rolls controlled by hydraulic cylinders with infinitely variable speed (hydroelectric valve machines excluded)
- Automatically controlled side roll parallelism mechanical controlled by "TORSION BARS
- Hydraulic powered drop end
- Automatic balancing of top roll (to open the machine)
- All rolls mounted on SPECIAL floating 2 crowns rolls bearings with automatic self-alignment
- All rolls are cambered to compensate for deflection and to increase the driving and gripping power of the two central rolls.
- Fully hydraulic powered movements
- One only operator required

Technical data:

Installed power: Kw. 18.5

Top roll diameter: mm. 400

Side rolls diameter: mm. 380

Capacity:

Working length: mm. 3,100

Maximum rolling thickness: mm. 32

Maximum pre-bend thickness: mm. 25

Machine size:

Width: mm. 2,030
 Total length: mm. 5,235
 Working height: mm. 1,435
 Weight: Kg. 14,000

The max performances are referred to shells of diameter equal or larger than 3 times the top roll diameter and with material with a yield point within $R = 260 \text{ N / mm}^2$.

Technical characteristics:

A) AUTOMATIC ADJUSTMENT FOR CONE -

movable rolls by MASSIVE MECHANICAL TORSION SHAFTS without any of the adjustments and re-balancing required by hydraulic leveling systems.

B) ALL PLANETARY MOVEMENTS - Eliminating all friction common to vertical, diagonal or horizontal sliding guide systems and requiring absolutely no adjustment.

C) PERMANENT LUBE SYSTEM - No more ordinary greasing and lubrication for all the life of the machine by specially protected screened and full-life pregreased components.

C) Replacement of all low efficiency components (reduction unit, high friction bronze bushings, mechanical drives, gears, belts joined arms, sliding guides, etc.) by new high energy efficiency drives (planetary gears DIRECT DRIVE COUPLED to the rolls, bearings, central multi-way electro/hydraulic power motor) keeping the real force available on the plate to bend (positive power)

Energy saving system conforms to the "International High Efficiency and Anti-Pollution" rules and standards.



BENDING MACHINE 3000 X 8 MM

Model : AK 308

Manufacturer : MG

3 ROLL PLATE BENDING MACHINE WITH PRE-BENDING MODEL AK 308

- Features:

- Electro welded steel frame worked on CNC boring machines.

- The rolls made out of steel rotate on double row roll bearings, dimensioned, shielded and lubricated for the whole machine life, avoiding the introduction of any dirtiness.

- Plate dragging with motorized central rolls, moved by epicycloidal gear boxes and hydraulic motors acted by double balancing and anticavitation valve (protecting the system even in cases of non skillness when large plates are introduced.)

- Parallelism control by massive torsion bars that grant :

1) Absolute precision of parallelism f the three lower rolls with precision and repeatability lower than 0,5 mm.

2) Avoid the zeroing at the working start, common to the electronic systems .

- No ordinary lubrication .
- Hydraulic opening to take our pipes, with control on the control console.
- Power transmission by double hydraulic pump, hydraulic system shielded by max pressure valve.
- 24 CC Low tension electrical controls.
- EC rules Safety system with lower rolls hydraulic unblocking system.

- With the following features:
 - Working length: 3100 mm
 - Top roll diameter: 220 mm
 - Side rolls diameter: 210 mm
 - Max bending thickness: 8 mm
 - Max pre-bending thickness: 6 mm
 - Power: kW 4

- CALIBRATION:
 - The max performance will be same as 50% of the max bending performance, with same diameter.

- SUPPLY CONFIGURATION:
 - Hardened Rolls
 - Side Rolls Digital Readouts
 - Conical Bending System

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