

Bar Gripper Rod Drawing Machine and Time Saving System for Moving the Blank in the NC-Machine Tool

For the notice of the owner of this product, the following advantages and benefits:

-Unmanned production is possible without an expensive rod drawing device, and thus it liberates the user of the machine for quality control, service and other tasks simultaneously.

-The implementation of the device does not require additional professional skills.

-Is well adapted to be purchased as a so-called standard tool for the delivery of an NC-machine tool.

NB! Factories manufacturing NC-machine tools.

-Extensive markets.

-A more extensive area of utilisation than corresponding rod drawing devices and adjustable gripping force:

| | | |
|-------------------------|---------------------------------|----------------------------------|
| -Bar Gripper 50 | Diameter range of the rod drawn | 10 mm---68 mm/max 450 N |
| -Bar Gripper 75 | ” | 35 mm---110 mm/max 3000 N |
| -Bar Gripper 100 | “ | 35 mm---150 mm/max 3000 N |

-Inexpensive to make. The device only has **11 different piece** to be manufactured!

-Concentrated spare part deliveries from the manufacturer.

-The quick and easy adjustment mechanism of the blank size area enables the usability on small series, too.

-Easy to implement on old NC-machine tools, too.

-No electricity required for operation.

-Almost service-free construction ensures a reliable and safe system for moving the blank, and at the same time, the costs caused by the use stay in the minimum.

-The structural collision protection will prevent the device or the machine tool from breaking even if the tool were to collide to the end of the blank.

-The adjustable gripping power enables use on pipe blanks with thin walls.

-The short gripping distance saves on material costs and enables a smaller protruding part of the blank from the machine tool chuck.

-Thanks to its construction and method of use, this tool does not have any noticeable points of wear.

-The contact between the tool and the blank to be drawn occurs in the direction of the drawing brushes, and not in the cross-direction. Thanks to this, the wear of the brushes is minimal.

-All parts of the tool which are even slightly susceptible to wear are nitrated. This results in as hard and wear-resistant surface as possible, for instance, in the rollers which grip the blank.

-In production, this tool will soon cover its cost as the piece-wise production becomes faster and the cost of use is reduced.

-Is well adapted to use for single piece production on large manual machine tools where

the weight of the blank restricts the manual movement.

-Does not require additional space around the machine.

-Disturbance-free operation in manufacturing of more than 200 000 pieces, already.

Made for replacing almost all similar earlier mechanical devices in NC-machine tools in production.

-It is therefore possible to give an unusually long guarantee for the product

– 3 years!

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