



SELF ADJUSTING BAR PULLER

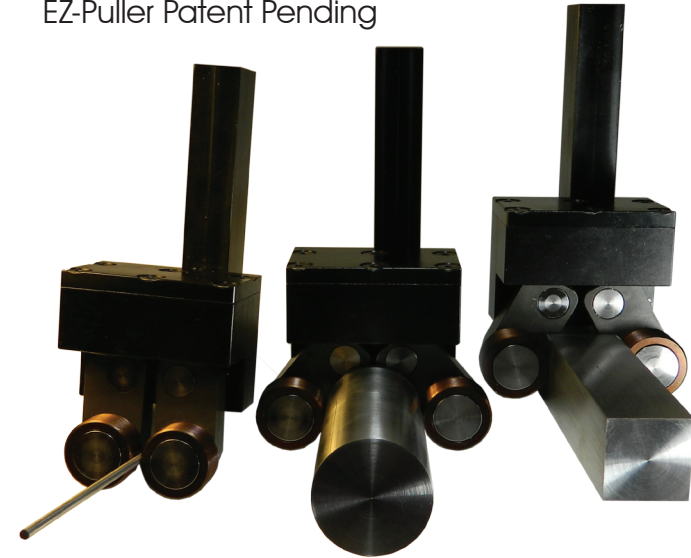
- ★ EZ-PULLER WORKS ON ROUND, HEX AND SQUARE STOCK.
- ★ RANGE
 - .125" - 1.625" ROUND STOCK
 - .125" - 1.375" HEX STOCK
 - .125" - 1.125" SQUARE STOCK
- ★ NO MECHANICAL ADJUSTMENT NECESSARY
(X axis end point gets changed in the program when changing bar diameters)
- ★ REVOLUTIONARY LOW MAR GRIPPER DESIGN PROVIDES MINIMUM MATERIAL PENETRATION WITH MAXIMUM GRIP.
- ★ EXTREME REPEATABILITY RESULTS IN LESS MATERIAL WASTED PER PART
- ★ ROBUST DESIGN FOR LONG LIFE
- ★ ELIMINATES SETUP TIME
- ★ NO GRIPPING FINGERS TO ADJUST
- ★ NO COOLANT TO ACTIVATE GRIP

EZ-PULLER

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EZ-Puller Patent Pending



From .125 DIA to 1.625 DIA

To 1.125 Square

TIME REQUIRED TO ADJUST TOOL

0.000 Seconds

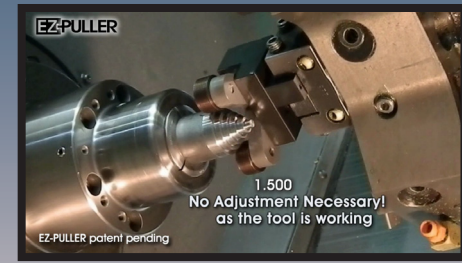
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EZ-PULLER

SELF ADJUSTING BAR PULLER



Triad Tooling is introducing the EZ-PULLER. This self adjusting bar puller is used in CNC turning centers to provide semi-automatic operation of the machine. The design of the EZ-PULLER allows the programmer or set-up person to change bar sizes in the machine without having to manually adjust the tool. The tool functions by means of springs that provide force to pivoting arms. These arms in turn apply force to circular grippers at the end of the arms. The grippers rotate only under extreme load and have a unique serration geometry that generates minimal stock penetration while providing maximum grip for a more accurate pull. To set the tool for gripping and pulling bar stock, the tool is moved in the "Z" axis until the grippers are at least .150" past the end of the stock, then moved in the "X" axis until the grippers are on centerline with the material being pulled. A standard pull cycle is then initiated.

The EZ-PULLER can accommodate the following bar stock sizes:

Round Stock	.125" to 1.625"
Hexagonal Stock	.125" to 1.375"
Square Stock	.125" to 1.125"
Even sided Polygons	Up to 1.625" across corners

EZ-Puller Patent Pending

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