

MULTI-AUTOMATIC
Providing Intelligent Solutions to the Metal Turning Industry

STOCK SAVER PUSHER PDF



Wasting Bar End Material

The dual cage feed finger, other wise known as the stock saver pusher, utilizes a design that has been around for many decades. And although this may be considered an “older style” work-holding design, we have been surprised to see how many engineers and technicians are not familiar with it, and do not know that it is available. All in all, it is a design that has given many manufacturers additional profits simply because it is quite effective at increasing the number of parts one gets per bar.

Simply put, these “coke-bottle” shaped pushers work the same as a normal cage style pusher, but in addition to the middle gripping area, they have an outer gripping area that allows an extra portion of bar to feed to the collet. This extra portion of bar being machined can often times result in obtaining two or three extra parts per bar. Over time, these extra parts being produced will reap significant savings.

The fact that dual cage feed fingers have two radial areas of contact with the work-piece causes other bar-feed benefits to occur. This is because it produces a more controlled feed. Having the extra work-piece contact helps minimize problems that can occur such as bar-bounce-back and/or short feeds.

Finally, with the dual cage pusher, one gets all the benefits of the squirrel cage pusher. They can be made for almost any machine and have a reasonably short delivery. The tension is relatively easy to adjust. They can be made in both bronze and steel, and with light, medium or heavy duty tension. They are economically priced, and when they become worn, they can be readjusted back to the original bar size with whatever tension the operator desires.