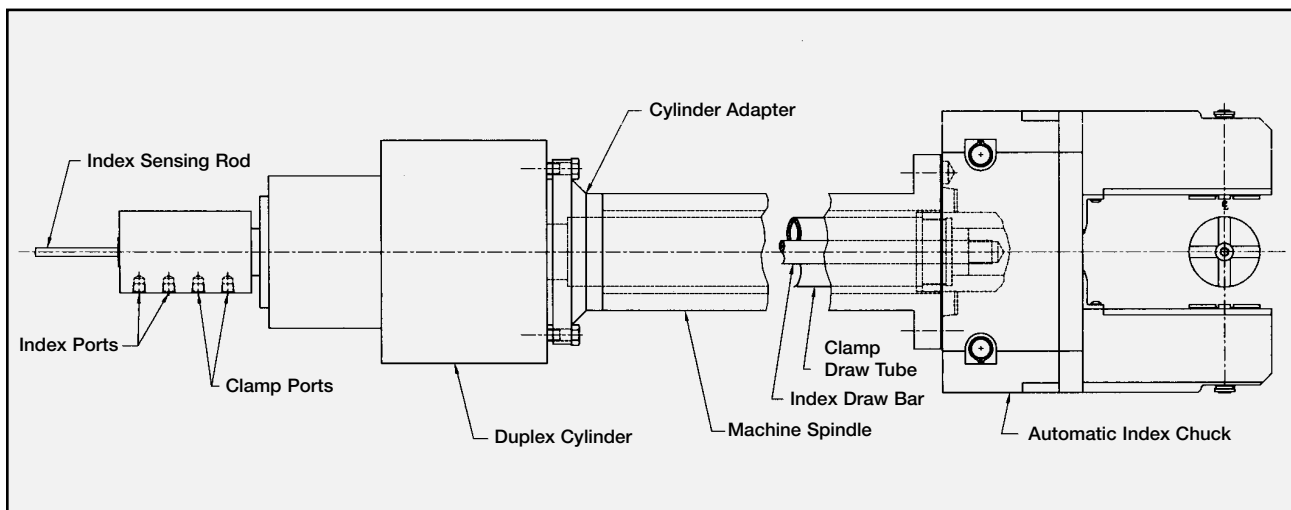


803 Series Self-Centering Automatic Index Chucks

Royal's 803 Series Self-Centering Automatic Index Chucks are operated by a duplex cylinder that uses a conventional draw tube and draw bar with independently operated clamping and indexing pistons. The clamp/un-clamp piston as well as the index piston are hydraulically operated assuring maximum clamping force as well as quick indexing and positive index position locking.

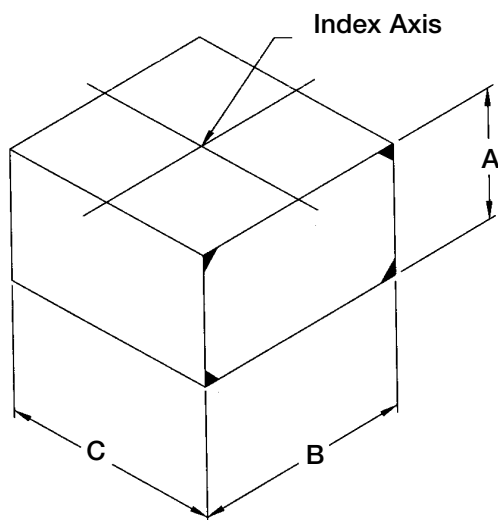


Part Size/Chuck Capacity

Part size limits are described in terms of the largest rectangular solid that can be indexed 360 degrees within the chuck.

Any workpart included within this envelope can be gripped and indexed.

No consideration is provided for possible tool interference.



Chuck	A	B	C
803-08-A5/A6	2.25	5.48	5.48
803-10-A6/A8	3.25	6.89	6.89
803-12-A/6A/8	3.81	8.31	8.31
803-13-A8	5.38	8.31	8.31
803-15-A8/A11	7.00	10.00	10.00
803-18-A11	8.00	11.25	12.55
803-21-A11/A15	11.00	14.67	14.67
803-24-A15/A20	12.00	16.79	16.79
803-28-A15/A20	14.00	19.79	19.79

Capacity limit dimensions A, B, and C are interrelated and can be varied as follows:

1. A can be increased depending on part configuration
2. A, B, and C can be increased if corners are removed.