



FOR IMMEDIATE RELEASE

Date

New Flex-Grip Collet Closers from Lexair use Quick-Change Collets.

Lexair (Production Dynamics) introduces a new low-profile stationary collet closer that uses quick-change vulcanized collet heads. These collet closers were designed around the Hardinge® Flex-C™ collet heads, and will also accept other brands of vulcanized collets on the market currently being used in lathe applications. Lexair Flex-Grip Collet Closers can be used horizontally or vertically on mill tables, tombstones or rotary trunnions.

Lexair Flex-Grip Collet Closers have a through-hole, double-action, fixed-length design allowing long parts to be accommodated through the body. They are hydraulically actuated with pressure-to-open, pressure-to-close (no springs) while holding the collet and part in a fixed position. Maximum input pressure is 2,000 psi.

The collet closers are available in 42 and 65mm sizes and have a low profile of 2.75" and 3.17" respectively. The short height permits more Z-axis clearance to accommodate a wider range of part sizes. Lexair Flex-Grip collet closers can be used individually or ganged together on a fixture plate for multiple part machining. 4th-axis machining can be achieved when installed on a rotary plate trunnion.

Vulcanized collet heads have a much wider compression range than conventional spring collets allowing for variation in stock. A total of $\pm .020$ " diameter range is possible while still maintaining parallel grip on the part. Parallel grip helps to minimize stock push back, at the same time requiring less draw bar force to equal the same clamping force of conventional spring collets. Collet changeover is a matter of seconds using the collet

compression tool. Additional benefits include automatic centering of the part and quick set up.

Lexair is an authorized distributor for Hardinge® FlexC™ vulcanized collets heads for use in these collet closers. Collet heads are available in 42mm and 65mm sizes in round smooth, round serrated, hex serrated, square smooth and emergency styles. The collet heads are sealed to minimize chips and sludge from entering the spindle. Collets are available in inch capacities from 1/4" up to 2-9/16" and metric capacities from 6mm up to 65mm.

Custom single or multiple-unit plate configurations are available from Lexair including necessary hydraulic accessories. For more information on Flex-Grip Collet Closers, contact Lexair Inc. at 859-255-5001.

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