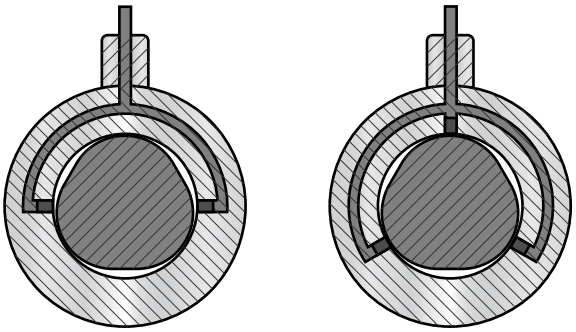
Air Ring styles, like air probe styles, vary depending on the nozzle locations within the gage. Center-jet style air rings have gaging nozzles near the center of the body. Shoulder type are near the leading edge of the bore. (See page 20 for air ring dimensional data.) For both air rings and air probes, the best wear life is obtained by using thru-hole or center-jet styles when the application permits, since the greatest wear tends to occur at the leading edge of the gage.

Both air ring gages and air probes may be made with more than two interconnected air nozzles. Three-jet air rings are commonly specified when centerless ground parts are to be inspected. They will detect three lobe out-of-round conditions prevalent in centerless ground parts that are not detectable with two-point gaging methods (see figure 2).



2 JET 3 JET

Figure 2
THREE-JET AIR RING GAGE MEASURES THREE-LOBED CONDITION

THREE-JET AIR RING GAGE

CENTER-JET & SHOULDER STYLE AIR RING GAGES

Custom applications of air ring gages also include the slot jet for measuring narrow land areas of valve spools that can not be covered with standard gage nozzles.

SLOT-JET AIR RING GAGE MOUNTED ON STAND

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