

# Guide to Perfect Gaskets

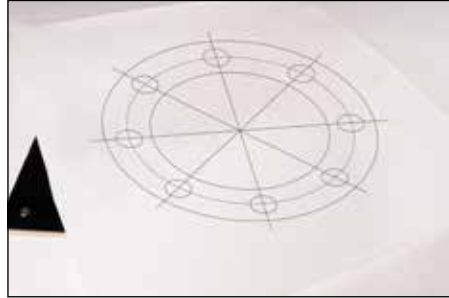
## DOVETAIL DESIGNER



## LAY OUT CUSTOM DOVETAILS



**1.** Dovetail Designer features three (3) dovetail sizes: 1", 1-1/2", and 2" wide. Center lines on each dovetail size assures accurate alignment on gasket material.



**2.** On piece of paper, lay out outer diameter (OD), inner diameter (ID) and pitch circle diameter (PCD). Locate bolt hole locations. Position template over flat wooden surface or cutting board.



**3.** Cut multiple arcs of gasket material with desired OD and ID. Number of required arcs need to be greater than 360 degrees plus additional material for overlap.



**4.** Note cutting height of selected dovetail on Dovetail Designer. Lay arcs on top of template, overlapping by at least height of selected dovetail.



**5.** Position overlaps away from bolt-hole locations. As overlaps are made, tape down arcs to template on either side of overlap.



**6.** Center Dovetail Designer on overlapping gasket material and outline with pencil or awl. Cut along outline with utility knife. Top and bottom gasket materials will now have mating dovetails.



**7.** Tape dovetail joints together for easy handling.



**8.** If arcs are significantly wider than single dovetail, consider multiple side-by-side dovetails per joint.



**9.** Alternatively, use Dovetail Punches to cut dovetails. See instructions for **DOVETAIL PUNCHES**