

**ALLPAX**<sup>®</sup>  
GASKET CUTTER SYSTEMS

# Guide to Perfect Gaskets

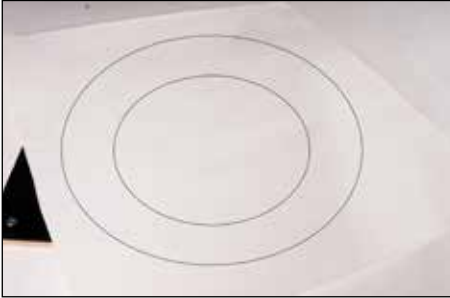
## DOVETAIL PUNCH KIT

FABRICATE GASKETS FROM MULTIPLE PIECES OF MATERIAL



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## FABRICATE GASKETS FROM MULTIPLE PIECES OF MATERIAL



**1.** On piece of paper, lay out outer diameter (OD), inner diameter (ID) and bolt holes of gasket. Position template over flat wooden surface or cutting board.



**2.** 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.



**3.** Select Dovetail Punch with cutting width slightly greater than difference between arc OD and ID. For example, for 1" (25 mm) wide arc, use Dovetail Punch No. 1 with cutting width of 1-1/4".



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



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



**6.** Position Dovetail Punch over each overlap. Tap with dead blow hammer to make initial indentation. Finish cut by striking Dovetail Punch with solid, flat blows. Top and bottom arcs will now have mating dovetails. Use utility knife to extend cut through if necessary. Tape dovetail joints together for easy handling.



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



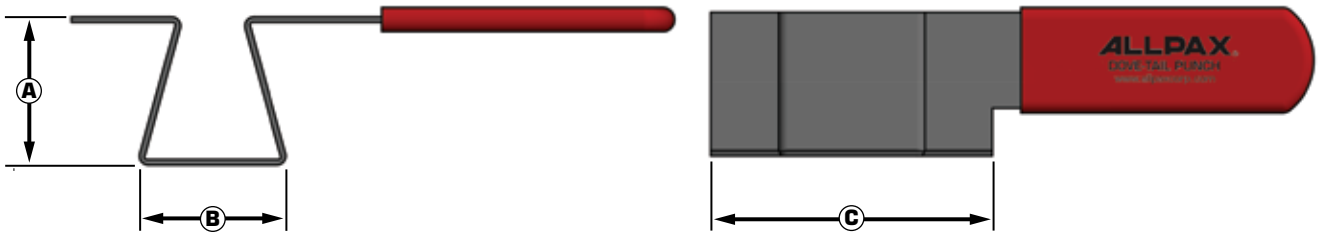
**8.** Alternatively, use the Dovetail Designer to lay out custom dovetails. See instructions **USING THE DOVETAIL DESIGNER.**

# DOVETAIL PUNCHES



## DOVETAIL PUNCH DIMENSIONS

Part Number	Description	Standard			Metric		
		A	B	C	A	B	C
AX 1850	Dovetail Punch No.1	5/8"	1/2"	1-1/4"	16 mm	13 mm	32 mm
AX 1851	Dovetail Punch No.2	1"	1"	1-7/8"	25 mm	25 mm	47 mm
AX 1852	Dovetail Punch No.3	1-1/2"	1-1/2"	3"	38 mm	38 mm	76 mm



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