

MACHINE TOOLS

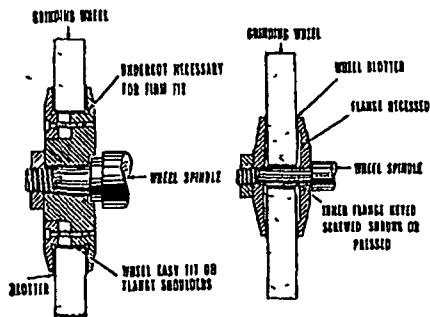


Fig 24-14 Correcting methods of mounting wheels with small holes (right) and wheels with large holes (left)

Disk mountings

Abrasive disks of the inserted nut, inserted washer, and projecting stud types are mounted on steel disk wheels (machine face plates) approximately the same diameter as the wheel. The diameter of the disk determines the minimum thickness of the steel disk wheel upon which it is mounted (Table 24-G) Figs 24-15, 24-16, and 24-17 demonstrate the differences between the three types of mountings.

The screw holes in the machine face plate are located to match the threaded

TABLE 24-G
MINIMUM THICKNESS OF STEEL DISK WHEELS (MACHINE FACE PLATE) FOR MOUNTING ABRASIVE DISKS

Disk Diam (in)	Minimum Thickness of Steel Disk Wheel (in)
8 to 14	$\frac{1}{2}$
15 to 18	$\frac{5}{8}$
19 to 26	$\frac{3}{4}$
27 to 36	$\frac{7}{8}$
37 to 40	1
41 to 72	$1\frac{1}{8}$

Note These thicknesses are not adequate for heavy-duty disk grinders. For this class of service, thickness must be specified by the grinder manufacturer.

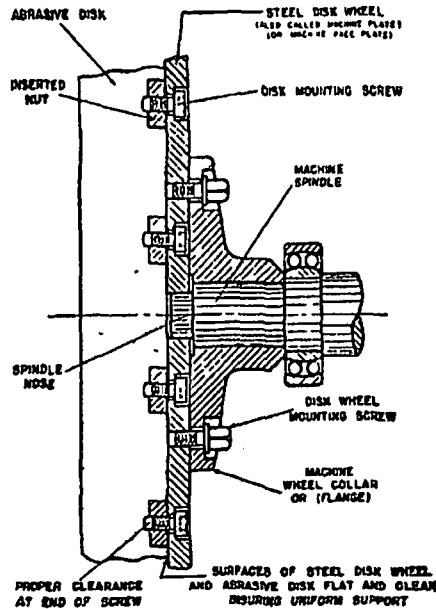


Fig 24-15 Inserted nut type of disk.

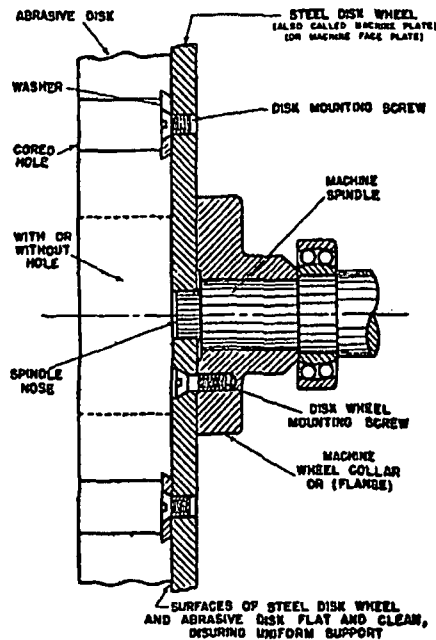


Fig 24-16 Inserted washer type of disk.