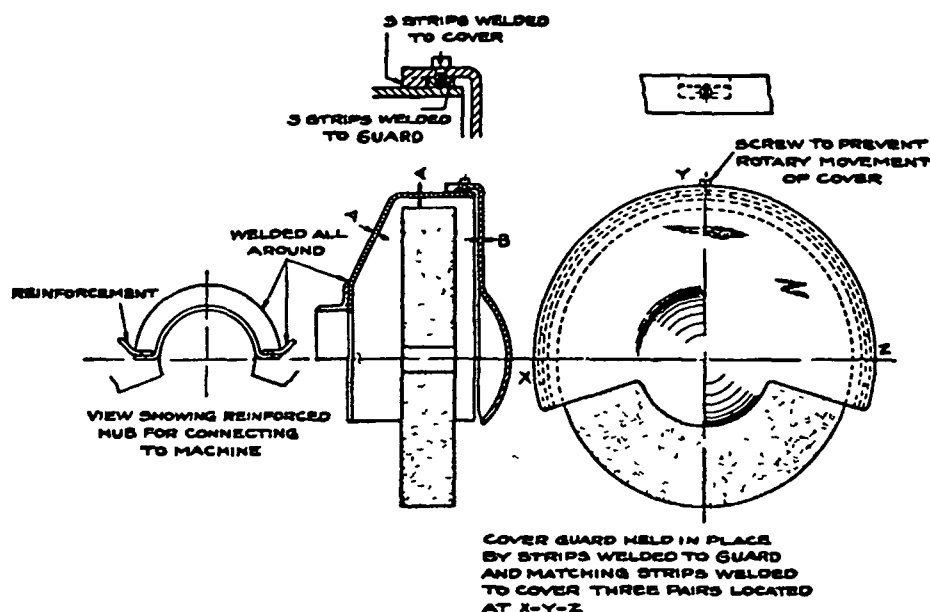


TABLE 31-C

**MINIMUM DIMENSIONS FOR DRAWN STEEL GUARDS
ON GRINDING WHEELS 8 INCHES OR LESS IN DIAMETER**



Material Used in Construction of Guard Hot Rolled Steel SAE 1008 Min Tensile Strength 60,000 PSI For Speeds Up to (SFPM)	Maximum Thickness of Wheel, Inches	2 to 5 Inches		Above 5 to 8 Inches	
		A	B	A	B
		Inches		Inches	
9,500	2	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{8}$
12,500	2	$\frac{3}{8}$	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{3}{8}$
17,000	1	$\frac{1}{2}$	$\frac{1}{8}$	$\frac{3}{4}$	$\frac{3}{8}$

The band should be wide enough and kept in position, so that at no time will the disk protrude beyond the edge of the band farther than maximum exposure (C), indicated in Table 31-B, or at a distance greater than the thickness of the wall (W) whichever is less.

A cast safety guard is one which has the peripheral protecting member cast integral with one side member and may be of iron, steel, or other suitable material. One member, the peripheral member, or both may also be an integral part of the base casting or wheel head casting of the grinding machine.

The guard should be no more than $\frac{1}{8}$ in from the wheel (B).

A drawn steel guard is a safety guard with the peripheral member and the fixed side member formed from a single plate or sheet of steel. A cover, consisting of a side plate and a relatively narrow peripheral member, is similarly formed from a single plate or sheet of steel. The cover fits over and outside the peripheral member of the guard. The cover, therefore, adds strength to the guard proper, in addition to acting as a side guard. Construction details are shown in Table 31-C.