



GatesFacts™ Technical Information Library
Gates Compass™ Power Transmission CD-ROM version 1.2

The Gates Rubber Company
Denver, Colorado USA



SET SCREW IN SPROCKET GROOVE

Normally set screws are located in the hub area of a pulley or sprocket. However, over the years users have successfully installed set screws through the bottom of the sprocket groove. Drilling of holes may remove a portion of the sprocket tooth flank but this has never been a major concern. Edges of the hole must be smooth after drilling and tapping with no sharp burrs. The set screw head must be well below the bottom of the groove surface. We do not have specific recommendations for set screw size relative to tooth pitch or size, but rely on application needs and common sense.

Caution - a loose set screw could cause damage to inside teeth on belt.