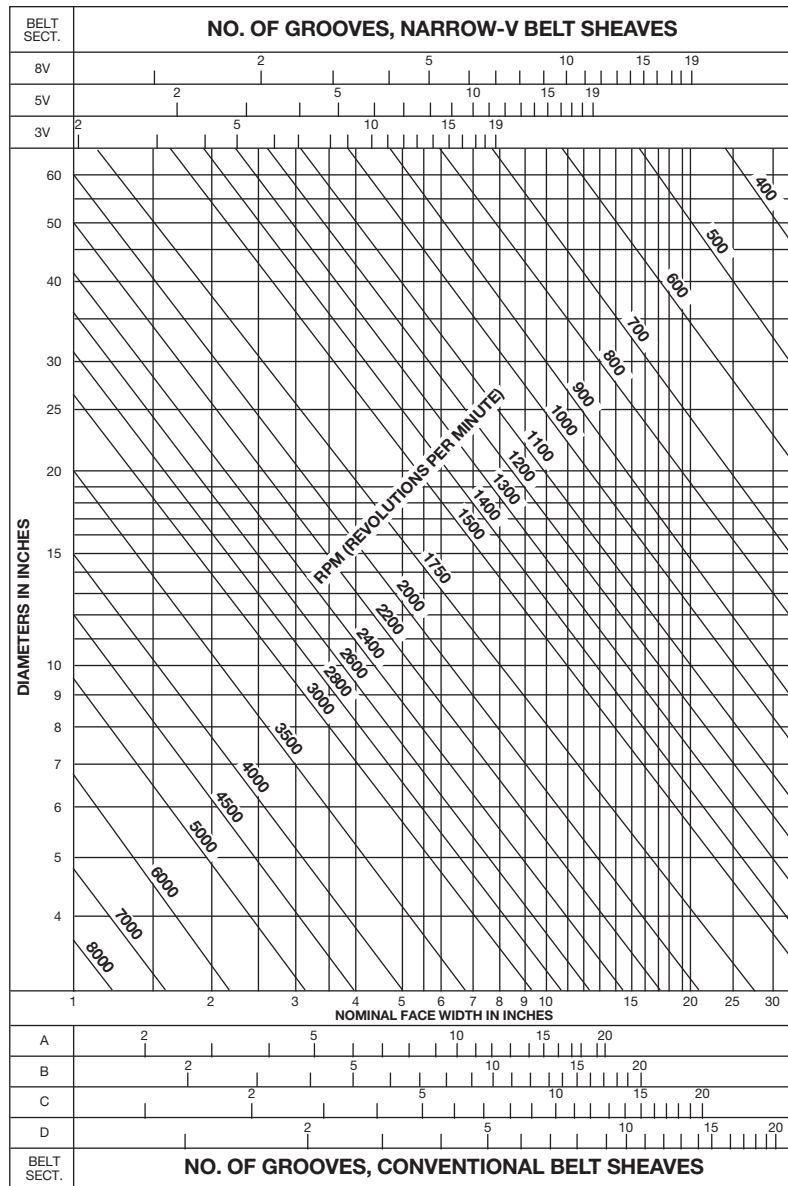


TO DETERMINE THE NEED FOR DYNAMIC BALANCE

This chart shows the maximum speed limit (in RPM) for a standard statically balanced sheave by a given diameter and face width. To exceed this speed limit it is recommended the sheave be dynamically balanced. This information can also be used for pulleys.

STATIC BALANCING – Both stock and Made-to-Order sheaves and pulleys are given a careful static balance for normal speeds. they will operate safely at belt speeds up to 6,500 feet per minute, but at speeds over 5,000 feet per minute and at any speed where vibration is a problem, dynamic balancing is recommended.



EXAMPLE: A 10" diameter 2" wide sheave or pulley is recommended to be dynamically balanced (balanced in two planes) at 3450 RPM and above. Below 3450 RPM a static balance (balanced in one plane) is sufficient.

WARNING: When belt speeds exceed 6500 feet per minute special materials must be used; consult *Martin* for special design requirements.