



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



The Gates Rubber Company
Denver, Colorado USA

Design Flex Warning: Both Sprockets Must be Flanged

If the shafts are horizontal, toothed sprockets may not need to be flanged. Proper alignment and tension are very important to help prevent tracking problems. In this situation the small sprocket flanges will guide and locate the belt on the larger unflanged sprocket. This will prevent belt from riding off the unflanged sprocket. On drives with vertical shafts, super-elevation of the smaller flanged sprocket may be required to maintain tracking on the larger unflanged sprocket.