

VL/VP - Variable Pitch Type Sheave

Mounting and Adjusting Instructions



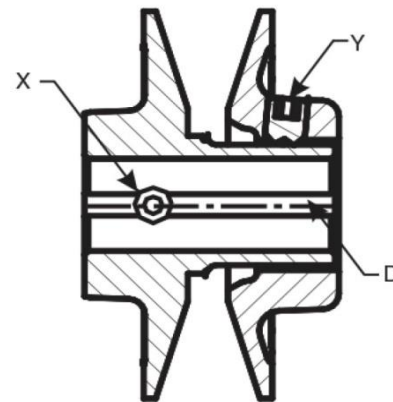
WARNING

- Read and follow all instructions carefully.
- Disconnect and lock-out power before installation and maintenance.
- Working on or near energized equipment can result in severe injury or death.
- Do not operate equipment without guards in place.

Single Groove Sheaves with Barrel Flats

Mounting and Adjusting

1. Make sure the shaft, sheave bore and keyway are free of burrs, paint, etc.
2. All sheaves should be mounted on the motor or driving shaft with the end containing the setscrew "X" towards the motor
3. Fit shaft key "D" between sheave and shaft, and lock setscrew "X" in place. Wrench torque 110 in-lbs min. to 130 in-lbs max.
4. Be sure both driving and driven sheaves are in alignment and that the shafts are parallel. Total axial and parallel misalignment must not exceed 1/4 degree.
5. Loosen setscrew "Y" in moveable flange of sheave until moveable flange is free to rotate.
6. Adjust sheave pitch diameter for desired speed by opening rotating flange by half or full turn increments from the closed position. Do not open more than five (5) full turns for "A" belts or six (6) full turns for "B" belts (1VL34 or 1VP34, 5 turns max). For other belt sections contact Application Engineering for assistance.
7. Tighten setscrew "Y" to 110 in-lbs min. to 130 in-lbs max. with setscrew "Y" located over center of cast flats on barrel of sheaves fixed component.
8. Put on belt(s) and adjust belt tension. Do not force belts over the grooves. Check-Verify belts tension with a belt tension checker to insure proper tension.
9. Future adjustments should be made by loosening the belt tension and increasing or decreasing the pitch diameter of the sheave by half or full turns as required. Readjust belt tension before starting drive.
10. Be sure the key is in place and that all setscrews are torqued properly before starting drive. Check setscrews and belt tension after 24 hours of service.



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