



SOLVE ™
INDUSTRIAL MOTION GROUP

**SOLUTIONS FOR
HVAC & AIR HANDLING**

Solutions by Solve

Solve Industrial Motion Group delivers a full portfolio of bearings, power transmission components, and engineered solutions built to perform in the most demanding HVAC and air handling environments. Our trusted brands help operators maximize uptime, extend equipment life, and reduce maintenance under extreme conditions.

You need Solutions by Solve.



AL Light Duty Sheaves

Bored to size and suitable for fans, air conditioning, and furnace blowers.



H-Bushing

Where a bushed sheave is preferred, we offer the AKH & BKH products furnished to accept an H-Bushing. Available in 1 and 2 grooves.



Variable Pitch Sheaves

VL, 1VP & 2VP allow for easy speed change capability and use 3L, 4L, and 5L, as well as A, B, and 5V Belts.



Bored-to-Size Sheaves

AK and BK series of bored-to-size sheaves are available in single- or two-groove designs from 1.75" to 18.75" OD and bores from 1/2" through 1-7/16".



HR Reverse Mounting Styles

Provide faster mounting when "bushing first" is required to keep assembly close to the shaft support bearings, greater flexibility in belt alignment, and reduced load bearing.



Trying to Couple a Fan to a Shaft?

Check out our bushed WELD-ON Hubs available in QD, TB & DST styles.



Mounted Ball Bearings

We offer European Metric, Asian Metric, and American Standard bearing configurations — up to 140mm (Metric) and 4" (Imperial) with multiple housing styles designed to pair with HVAC-ready inserts, including Single Lip, Triple Lip, High-Temperature, and Solid Lube options.



Locking Mechanisms

For secure, long-lasting performance in fan shafts, blower assemblies, and other HVAC drive components, we offer a range of robust locking mechanisms:

- Eccentric
- Concentric
- Setscrew
- Adapter Mount



Belts

Our durable belts available in 3L, 4L, 5L, A, B, and 5V sizes are engineered to pair with heavy-duty sheaves for reliable performance in high-torque, continuous-use HVAC and air handling applications.



Bushings

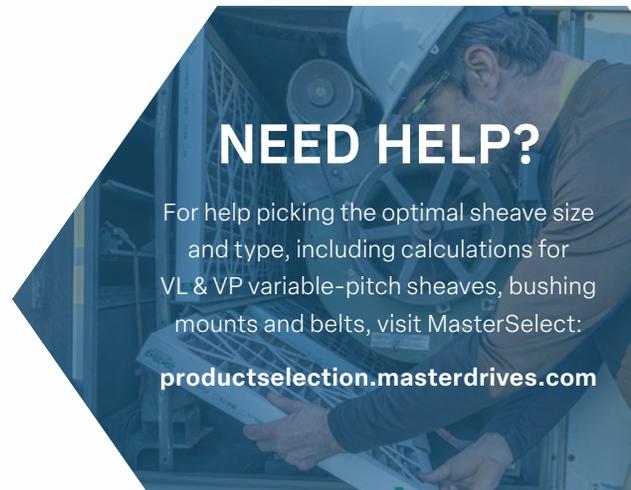
Solve carries a deep stock of QD Flanged bushings, DST-Double Split Taper Bushings, and TB Tapered Bushings (for flush mounting) and no exposed bolts. Inch and metric bores are available.



Heavy-Duty Sheaves

Where the application demands are rugged, and torques and shafts sizes dictate flexibility in mounting, our classic and Heavy-Duty Sheaves meet the task.

- Heavy-Duty, cast-iron sheaves are available in QD, TB Taper Bushed, or DST-Double Split Taper designs.
- They can accept A/ B, C, 3V, 5V, and 8V belts.
- One- through 12-groove configurations with outside diameters of 2.2-71" cover the gamut.
- Naturally, we stock all of the bushing types for mounting of the sheave options.



NEED HELP?

For help picking the optimal sheave size and type, including calculations for VL & VP variable-pitch sheaves, bushing mounts and belts, visit MasterSelect:

productselection.masterdrives.com

Your Source for Power Transmission Solutions



Mounted Ball Bearings



Corrosion-Resistant
Mounted Ball Bearings



Split Block Roller Bearings



Unitized Mounted
Roller Bearings



Spherical & Cylindrical
Roller Bearings



Tapered Roller Bearings



Deep Groove & Angular
Contact Bearings



Needle Roller Bearings



Cam Followers &
Yoke Rollers



Spherical Plain Bearings
& Rod Ends



Sheaves



Timing Pulleys



QD, DST & Tapered
Shaft Bushings



Weld-On Hubs



MD Flex Couplings



Jaw Couplings



Sprockets



Precision Roller Chains



Corrosion-Resistant
Roller Chain



V-Belts & Timing Belts

Solve Industrial Motion Group is an industry-leading manufacturer and supplier of industrial-grade bearings and power transmission components.

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