



# GENERAL PRODUCT INFO

## SURE-GRIP BUSHINGS

- Sure-Grip bushings conform to the specifications set forth by the Mechanical Power Transmission Association (MPTA) in their CO-1 Guideline of October 1992.
- An "MPB" or "Minimum Plain Bore" bushing is available in most bushing sizes. These bushings are unsplit and have no keyway. These bushings are intended for re boring and other alterations.
- Sure-Grip bushings four inch shafts conform to ANSI B17.1-1967, R1989 for key size versus shaft diameter and

keyway dimensions. Square keys are used where possible. For larger bores where a square key is not possible, the required rectangular key is furnished with the bushing.

- Sure-Grip bushings for metric shafts conform to British Standard HS 4235: Part 1:1972 for key size versus shaft diameter and keyway dimensions. For larger bores where it is not possible to maintain the standard keyway depth, a more shallow keyway may be used. Special metric keys are not furnished with the bushing.

## V-BELT SHEAVES, SYNCHRONOUS BELT SPROCKETS, FLAT BELT PULLEYS, ETC.

### MATERIALS

- The standard material is class 30 or higher cast iron. Products made from cast iron have a maximum speed limitation of 6,500 foot/minute at the outside diameter. Higher speed requirements dictate the use of higher strength materials.
- For speeds up to 16,000 foot/minute or high shock application requiring greater toughness, special ductile iron products can be made.

### BALANCE

• The standard balance is a one-plane tolerance to a G26 quality grade based on 3,500 RPM or the maximum rated speed. A two-plane balance to a G6.3 quality grade is available at an added cost. Sure-Grip bushed products which are one-plane balanced are marked so the bushing can be reinstalled at the application the same way it was installed for balancing. See MPTA SPB-95 for standard balancing practices.

### STANDARDS

• The following products meet or exceed the noted ANSI/RMA design standards.

Classical V-Belt Sheaves	IP-20-1988
Narrow V-Belt Sheaves	IP-22-1991
Synchronous Belt Pulleys	IP-24-1983
Curvilinear Boil Sprockets	IP-27-Draft

### SPECIAL CONSTRUCTIONS AVAILABLE

• Goodyear Power Transmission Products have the capability to assist you to design and quote specially designed power transmission drive. We are able to offer consistently competitive prices and fast delivery on the following specials plus much more.

#### V-Belt Sheaves

- nonstandard diameter requirements
- nonstandard number of grooves
- unusual hub configurations
- deep grooves
- metric grooves
- added inertia or flywheel effect

#### Synchronous Sprockets

- nonstandard number of teeth
- nonstandard face widths
- unusual hub configurations
- special tooth profiles
- added inertia of flywheel effect

#### Flat Belt Pulleys

- nonstandard diameter requirements
- nonstandard face widths
- unusual hub configurations
- split through rim or arm designs
- all types of special crowns
- added inertia or flywheel effect
- taper cone arrangements

#### Flywheels

- flywheels per customer design

## THE FOLLOWING PRODUCT NAMES ARE TRADEMARKS OF TB WOOD'S INCORPORATED.

Dura-Flex™	E-Trol	IST	S-trAC™	Ultracon™
Disc-O-Torque™	FormFlex™	NLS™	Softron	Ultra-V
DST	HST	Roto-Cam™	Sure-Flex™	Var-A-Cone™
E-trAC™	IMD™	Roto-Cone™	Sure-Grip™	

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