

Browning B116

Browning B116 Super Gripbelt V-Belt Instruction Manual

Model: B116 | Brand: Browning

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Browning B116 Super Gripbelt. This V-belt is designed for efficient power transmission in various industrial applications. Adhering to these instructions will help ensure optimal performance and extend the service life of your belt.

PRODUCT FEATURES

- Unique design enhances performance and provides increased horsepower capacity in short center drives.
- Single fabric design has less overlap, offering reduced vibration and greater flexibility.
- Allows for the use of smaller diameter sheaves.
- Browning CODE 1 match tolerance ensures consistent performance.
- Oil and heat resistant for durability in demanding environments.
- Static conducting properties for safety.

TECHNICAL SPECIFICATIONS

Specification	Detail
Brand	Browning
Model	B116
Belt Style	V Belt
Material	Rubber
Product Dimensions	25.6 x 7.6 x 0.3 inches

Specification	Detail
Item Weight	1.05 Pounds
Manufacturer	Regal

INSTALLATION AND SETUP

Pre-Installation Checks

- Ensure the correct belt size and type (B116 Super Gripbelt) is selected for your application.
- Inspect pulleys for wear, damage, or foreign material. Worn pulleys can significantly reduce belt life.
- Verify that shafts are parallel and pulleys are in proper alignment. Misalignment causes uneven wear and premature failure.
- Check that all guards and safety devices are in place and functional.

Installation Steps

1. **Safety First:** Always disconnect power to the machinery before beginning any installation or maintenance. Lock out/tag out procedures should be followed.
2. **Loosen Motor Mounts:** If replacing an old belt, loosen the motor mounting bolts to allow the motor to move closer to the driven component, creating slack.
3. **Remove Old Belt (if applicable):** Carefully remove the old belt from the pulleys. Never pry a belt off with tools, as this can damage pulleys or the belt itself.
4. **Install New Belt:** Place the new Browning B116 Super Gripbelt onto the pulleys without forcing or prying. Ensure it seats correctly in the grooves.
5. **Adjust Tension:** Move the motor back to tension the belt. The belt should be taut enough to prevent slippage but not so tight as to cause excessive bearing load. Refer to manufacturer specifications for precise tensioning methods (e.g., deflection force).
6. **Align Pulleys:** Re-check pulley alignment after tensioning. Use a straight edge or laser alignment tool for accuracy.
7. **Tighten Mounts:** Securely tighten all motor mounting bolts.
8. **Initial Run:** Run the machinery for a short period (e.g., 30 minutes to 1 hour) and then re-check belt tension and alignment. Belts can stretch slightly during initial operation.



This image displays a segment of the Browning B116 Super Gripbelt, highlighting its robust black rubber construction and the characteristic V-shape profile designed for efficient power transmission in industrial applications. The textured surface provides enhanced grip.

OPERATION GUIDELINES

Once installed and properly tensioned, the Browning B116 Super Gripbelt is designed for reliable operation. Ensure that the machinery is operated within its specified load and speed limits. Avoid sudden starts or stops that can induce shock loads on the belt. Regularly monitor the drive for unusual noises, vibrations, or excessive heat, which may indicate an issue requiring attention.

MAINTENANCE

Regular Inspections

- **Visual Inspection:** Periodically inspect the belt for signs of wear, cracks, fraying, or glazing. Check for any foreign objects lodged in the grooves.

- **Tension Check:** Re-check belt tension at regular intervals, especially after the first few hours of operation and then monthly or as recommended by the machinery manufacturer. Adjust tension as needed.
- **Pulley Inspection:** Inspect pulleys for wear, rust, or buildup that could affect belt performance.
- **Alignment Check:** Verify pulley alignment periodically to prevent uneven belt wear.

Cleaning

Keep belts and pulleys free from oil, grease, dirt, and other contaminants. Use a clean, dry cloth to wipe down the belt. Avoid using solvents or harsh chemicals that can degrade the rubber material.

Storage

Store spare belts in a cool, dry place away from direct sunlight, heat sources, and ozone-generating equipment. Belts should be stored flat or hung on large diameter pegs to prevent kinking or distortion.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Belt Slippage	Incorrect tension (too loose), worn belt, misaligned pulleys, oil/grease on belt	Adjust tension, replace belt, align pulleys, clean belt and pulleys
Excessive Noise (Squealing/Chirping)	Misalignment, incorrect tension, worn pulleys, foreign material	Align pulleys, adjust tension, inspect/replace pulleys, clean drive
Premature Belt Wear	Over-tensioning, under-tensioning, misaligned pulleys, worn pulleys, abrasive environment, excessive heat	Adjust tension, align pulleys, inspect/replace pulleys, protect from environment, improve ventilation
Belt Turnover (Twisting in groove)	Worn pulleys, excessive vibration, shock loads, incorrect belt type	Inspect and replace pulleys, reduce vibration, ensure correct belt for application

WARRANTY AND SUPPORT

For specific warranty information regarding your Browning B116 Super Gripbelt, please refer to the official documentation provided by Browning or contact your authorized Browning distributor. Support for product inquiries, technical assistance, or warranty claims should be directed to the manufacturer or your point of purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question