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› [Browning](#) /

› [Browning BX210 Gripnotch Belt Instruction Manual](#)

Browning BX210

Browning BX210 Gripnotch Belt Instruction Manual

PRODUCT OVERVIEW

The Browning BX210 Gripnotch Belt is an industrial V-belt designed for power transmission applications. It features oil and heat resistance, static conducting properties, and is constructed with EPDM material for an expanded operating temperature range. The unique 'ground form' design reduces vibration and wear, ensuring stable and efficient performance.



This image displays a close-up of the Browning Gripnotch BX210 belt. The belt features a notched underside designed for flexibility and reduced heat buildup. The side of the belt is marked with 'Browning Gripnotch Belt', 'Oil and Heat Resistant', 'Static Dissipating', and 'Made in U.S.A.', along with a 'CODE' marking.

Key Features

- Utilize "ground form" design which reduces vibration, wear and initial belt tension loss.
- New EPDM Material offers expanded operating temperature range from -60 degrees F to +230 degrees F.
- Fabric on top and bottom of belt provides enhanced stability and performance.
- Greater belt sidewall mass provides additional contact with the sheave.
- Browning CODE 1 matched tolerance.

INSTALLATION GUIDELINES

Proper installation is crucial for the longevity and performance of the Browning BX210 Gripnotch Belt. Follow these steps to ensure correct setup:

1. **Safety First:** Ensure all machinery is powered off and locked out before beginning installation.
2. **Inspect Sheaves:** Check sheaves for wear, damage, or misalignment. Worn sheaves can significantly reduce belt life.
3. **Install Belt:** Do not force or pry the belt onto the sheaves. Loosen the motor mount or adjust the center distance to allow the belt to be placed easily into the grooves.
4. **Tensioning:** Apply the correct tension according to equipment manufacturer specifications. Over-tensioning can damage bearings and belts, while under-tensioning can cause slippage and heat buildup.
5. **Alignment:** Ensure proper sheave alignment. Misalignment leads to uneven wear and reduced efficiency.
6. **Run-in Period:** After installation, run the machinery for a short period, then recheck belt tension and alignment.

OPERATIONAL CONSIDERATIONS

The Browning BX210 Gripnotch Belt is engineered for demanding industrial environments. Observe the following during operation:

- **Temperature Range:** This belt is designed to operate effectively within a temperature range of -60°F to +230°F (-51°C to +110°C). Operating outside this range may compromise performance and lifespan.
- **Load Capacity:** Ensure the belt is used within its specified load capacity to prevent premature failure. Refer to your equipment's manual for appropriate belt sizing and load limits.
- **Environmental Factors:** While oil and heat resistant, prolonged exposure to excessive oil, chemicals, or extreme temperatures beyond the specified range should be avoided.
- **Static Conductivity:** The belt's static conducting properties help dissipate static electricity, which is important in certain industrial settings. Ensure proper grounding of machinery.

MAINTENANCE AND CARE

Regular maintenance extends the service life of your Browning BX210 Gripnotch Belt:

- **Periodic Inspection:** Regularly inspect the belt for signs of wear, cracks, fraying, or glazing. Check for proper tension and alignment.
- **Cleaning:** Keep belts and sheaves free from dirt, grease, and debris. Use a clean, dry cloth for cleaning. Avoid harsh chemicals.
- **Storage:** Store spare belts in a cool, dry place away from direct sunlight and sources of ozone. Do not hang belts on small pegs, as this can cause permanent deformation.
- **Replacement:** Replace belts at the first sign of significant wear or damage to prevent unexpected downtime and potential damage to machinery.

TROUBLESHOOTING COMMON ISSUES

This section addresses common issues that may arise with V-belts and their potential solutions.

Problem	Possible Cause	Solution
Belt Squealing	Insufficient tension, worn belt, misaligned sheaves, glazed belt.	Adjust tension, replace belt, align sheaves, clean belt.
Excessive Belt Wear	Incorrect tension, misaligned sheaves, worn sheaves, foreign objects, excessive heat.	Adjust tension, align sheaves, replace sheaves, remove obstructions, check operating temperature.
Belt Slippage	Insufficient tension, oil/grease on belt/sheaves, worn belt/sheaves.	Adjust tension, clean belt/sheaves, replace belt/sheaves.
Belt Turnover	Misaligned sheaves, worn sheaves, excessive vibration, incorrect belt type.	Align sheaves, replace sheaves, reduce vibration, ensure correct belt type.

TECHNICAL SPECIFICATIONS

Specification	Detail
Product Dimensions	14.75 x 15.8 x 2.05 inches; 2.15 Pounds
Item Model Number	BX210
Date First Available	October 11, 2013
Manufacturer	Regal
ASIN	B003U1WEFK
Brand	Browning
Global Trade Identification Number (GTIN)	00662289265480
UPC	662289265480

SUPPORT AND RESOURCES

For further assistance or detailed technical information, please refer to the official user manual or contact Browning customer support.

- Official User Manual (PDF): [Download PDF](#)

Related Documents - BX210

	<p>Browning Dark Ops Max Plus HD BTC-6HD-MXP Trail Camera Instruction Manual</p> <p>Comprehensive instruction manual for the Browning Dark Ops Max Plus HD BTC-6HD-MXP trail camera, covering setup, operation, settings, specifications, and warranty. Learn how to install batteries, set time and date, choose capture modes, and manage your device.</p>
	<p>Browning BTC-6DCL Trail Camera Software Upgrade Instructions</p> <p>Step-by-step guide for upgrading the software on your Browning BTC-6DCL trail camera to version 2407210. Learn how to safely install the latest firmware to resolve issues with video lengths.</p>
	<p>Browning Trail Camera BTC-7E-HP5 User Manual and Setup Guide</p> <p>Comprehensive guide for setting up, operating, and troubleshooting the Browning Trail Camera model BTC-7E-HP5. Covers installation, settings, features, and specifications.</p>
	<p>Browning Defender Pro Scout Max 4G LTE Cell Camera Instruction Manual</p> <p>Detailed instruction manual for the Browning Defender Pro Scout Max 4G LTE cellular trail camera. Covers camera setup, installation of batteries and SD cards, account creation for the Strike Force Wireless app, quick cellular testing, basic operation, advanced settings, warranty information, and FCC compliance. Includes a comprehensive overview of mobile app features for managing and viewing captured media.</p>
	<p>Browning Strike Force HD Extreme BTC-5FHDX Trail Camera Instruction Manual</p> <p>Comprehensive instruction manual for the Browning Strike Force HD Extreme BTC-5FHDX trail camera, covering setup, features, settings, warranty, and specifications.</p>
	<p>Browning BTC-8E Edge Spec Ops Trail Camera Instruction Manual</p> <p>This instruction manual provides detailed information on setting up, operating, and maintaining the Browning BTC-8E Edge Spec Ops Full HD Video Trail Camera. It covers features, settings, troubleshooting, and specifications for optimal use.</p>