Groz-Beckert B-27 DCx27 (14/90)

Groz-Beckert B-27 DCx27 Overlock Serger Sewing Machine Needles (14/90) - Instruction Manual

Brand: Groz-Beckert (Distributed by EverNice)
Model: B-27 DCx27 (14/90)

1. Introduction

This manual provides essential information for the proper use, installation, and maintenance of your Groz-Beckert B-27 DCx27 Overlock Serger Sewing Machine Needles, size 14/90. These high-quality industrial needles are designed for optimal performance in compatible overlock and serger sewing machines. Please read these instructions carefully before use to ensure safe and effective operation.

2. Product Overview

The Groz-Beckert B-27 DCx27 needles are industrial-grade sewing machine needles, specifically designed for overlock and serger machines. This pack contains 100 needles of size 14/90, suitable for a wide range of fabrics and sewing applications. The DCx27 needle system is also known by several other style numbers, ensuring broad compatibility.



Image 1: Front view of the Groz-Beckert needle packaging, showing model numbers and size.



Image 2: Side view of the Groz-Beckert needle box, displaying the brand name.

3. Compatibility

These Groz-Beckert DCx27 needles are compatible with a wide range of industrial overlock and serger sewing machines. The DCx27 needle system is also identified by the following style numbers:

- 1886
- 81X1
- B27
- DCX1
- DCX27
- RIM27
- RMX27
- MY1023
- SY6120
- 3027GS

Commonly compatible machine brands and models include, but are not limited to:

- **Babylock:** BL3-318, BL3-407, BL3-408, BL3-416, BL3-418, BL3-426, BL3200, SL600, SL660, SL700,

SL800

- **Brother:** B511, B531, B551, B561, B571, B611, B621, B641, B651, B661, B671, B672, B681, B682, B691, B692, B901, B952, B958, B959, B971
- **Feiyue:** FY737, FY747, FY757, FY2000, FY2100
- **Juki:** MO-800 Class, MO-2400 Class, MO-2500 Class, MO-2400N Class, MO-2500N Class, MO-3300 Class, MO-3600 Class, MO-3700 Class, MO-3900 Class, MO-6700 Class, MOR, MOC, MOF
- **Mauser:** DC, DCP, DC-MS
- **Pegasus:** E22-730, E22L-730, E32, E32L, E52, E52L, ETB32, ETB52, ETF32, ETF52, F32, F52, L32, L52
- **Rimoldi:** 27, 28, 29, 227, 228, 229, 230, 327, 329, 527, 627
- **Willcox & Gibbs:** 101-E14, 401-02, 401-04, 401-013, 401-E32, 503-04, 503-E, 503-52, 503-ETB 52, 503-ETF 52, 504-4, 504-E 52, ETB 52, ETF 52, 512, 514, 516, DC, DCP, DCR-942, E32, E52
- **Yamata:** FY737, FY747, FY757, FY2000, FY2100
- **Yamato:** AZ8000 Class, AZ8500 Class, AZ8600 Class, DC, DCY, DCZ-200, DCZ-203, DCZ-204, DCZ-206, DCZ-216, DCZ-220, DCZ-220W, DCZ-221, DCZ-263, DCZ-264, DCZ-270, DCZ-290, DCZ-292, DCZ-293, DCZ-296, DCZ-500, DCZ-503, DCZ-515, DCZ-520, DCZ-521, DCZ-525, DCZ-545

Always refer to your sewing machine's manual for specific needle type and size recommendations.

4. Installation and Setup

Proper needle installation is crucial for optimal sewing performance and to prevent damage to your machine or fabric. Always ensure your machine is turned off and unplugged before changing needles.

1. **Turn Off and Unplug:** Disconnect your sewing machine from the power source.
2. **Remove Old Needle:** Loosen the needle clamp screw using a screwdriver or the tool provided with your machine. Carefully pull the old needle downwards and out. Dispose of used needles safely.
3. **Insert New Needle:** Hold the new Groz-Beckert DCx27 needle with the flat side of the shank facing the back of the machine (or as specified by your machine's manual).
4. **Push Upwards:** Insert the needle as far up into the needle clamp as it will go. It should be firmly seated.
5. **Tighten Clamp:** While holding the needle in place, tighten the needle clamp screw securely. Do not overtighten.
6. **Test:** Plug in and turn on your machine. Manually lower and raise the needle a few times to ensure it is properly seated and moves freely without obstruction.

Note: The specific orientation of the needle (flat side of shank) may vary slightly depending on your serger or overlock machine model. Always consult your machine's instruction manual for precise needle installation guidelines.

5. Operating Guidelines

These needles are designed for industrial overlock and serger applications. The 14/90 size is a general-purpose needle suitable for medium-weight fabrics. For best results:

- **Fabric Selection:** Use these 14/90 needles for medium-weight woven and knit fabrics. For very fine or very heavy materials, consider adjusting needle size accordingly.
- **Thread Matching:** Ensure your thread type and weight are appropriate for both your fabric and needle size.
- **Machine Settings:** Adjust tension, stitch length, and differential feed settings on your serger according to your fabric and desired stitch type.
- **Test on Scraps:** Always test your stitch on a scrap piece of the same fabric before beginning your project.

6. Maintenance and Care

Proper care of your sewing machine needles extends their lifespan and ensures consistent stitch quality.

- **Regular Replacement:** Needles dull over time, leading to skipped stitches, fabric snags, and uneven seams. Replace needles every 8-10 hours of sewing time, or at the start of a new major project.
- **Inspect Needles:** Before each use, visually inspect the needle for any bends, burrs, or dullness. A damaged needle can harm your fabric and machine.
- **Storage:** Store unused needles in their original packaging or a dedicated needle case to protect them from damage and keep them organized.
- **Disposal:** Always dispose of used or broken needles safely in a sharps container or a thick plastic bottle to prevent injury.

7. Troubleshooting

If you encounter issues during sewing, consider the needle as a potential cause.

Problem	Possible Cause (Needle Related)	Solution
Skipped Stitches	Dull, bent, or incorrectly installed needle. Incorrect needle system or size for machine/fabric.	Replace needle. Ensure correct installation (flat side orientation). Verify needle system (DCx27) and size (14/90) are appropriate.
Fabric Snagging/Damage	Dull or burred needle point. Incorrect needle type for fabric (e.g., sharp point on knit).	Replace needle. Ensure needle is smooth and sharp. These needles are ball point (FFG/SES) which are generally good for knits, but check if a different point type is needed for specific delicate fabrics.
Needle Breakage	Bent needle, incorrect needle size for fabric thickness, pulling fabric while sewing, needle hitting presser foot or bobbin case.	Replace needle. Use appropriate needle size. Do not pull fabric. Check machine timing and needle bar alignment if breakage persists.
Uneven Stitches	Dull or bent needle.	Replace needle.

If troubleshooting steps related to the needle do not resolve the issue, consult your sewing machine's manual or a qualified technician.

8. Specifications

- **Needle System:** DCx27 (also known as B-27, DCX1, 81X1, etc.)
- **Size:** 14/90 (Metric size 90, Singer size 14)
- **Point Type:** Ball Point (FFG/SES) - suitable for knits and woven fabrics to prevent fiber damage.
- **Quantity:** 100 needles per pack
- **Manufacturer:** Groz-Beckert
- **Compatible Devices:** Industrial Overlock and Serger Sewing Machines
- **UPC:** 741025400818

9. Safety Information

- Always handle needles with care to avoid injury.
- Keep needles out of reach of children and pets.
- Turn off and unplug your sewing machine before changing needles.
- Dispose of used or broken needles in a safe, puncture-proof container.
- Do not use bent, dull, or damaged needles, as they can cause injury, damage to your machine, or poor stitch quality.

10. Support and Contact

For further assistance or inquiries regarding Groz-Beckert needles, please refer to the official Groz-Beckert website or contact your product distributor. For machine-specific issues, consult your sewing machine's manufacturer support.
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For more information, you may visit the EverNice Store on Amazon.