

EVERNICE GROZ DPX5FFG-50PCS

EVERNICE Groz-Beckert 134R 135X5 DPX5 SY1955 Industrial Sewing Machine Needles User Manual

Model: GROZ DPX5FFG-50PCS

INTRODUCTION

This manual provides essential information for the proper use and maintenance of EVERNICE Groz-Beckert 134R 135X5 DPX5 SY1955 industrial sewing machine needles. These high-quality needles are designed for various industrial sewing applications, ensuring reliable performance and stitch quality. Understanding the needle system and compatibility is crucial for optimal results.

Key Features:

- Needle System: 135X5 (134R) FFG SES BP.
- Note: DPX5 needles feature a thicker round shank compared to DBX1 needles.
- Cross-compatible with various needle systems including 134, 134R, 135X5, 135X7, 1955, 797, DPX5, DPX7, DPX134, SY1901, SY1905, SY1955.

SETUP AND INSTALLATION

Proper needle installation is vital for preventing damage to your sewing machine and ensuring consistent stitch formation. Always refer to your sewing machine's specific manual for detailed needle installation instructions.

1. **Power Off:** Before attempting to change the needle, always turn off and unplug your sewing machine to prevent accidental operation.
2. **Remove Old Needle:** Loosen the needle clamp screw and carefully remove the old needle. Dispose of used needles safely.
3. **Select Correct Needle:** Ensure you are using the correct needle system (135X5 / DPX5) and size (e.g., 9/65) for your fabric and thread type. Verify compatibility with your specific industrial sewing machine model.
4. **Insert New Needle:** Insert the new needle into the needle clamp with the flat side of the needle shank facing the correct direction (usually towards the back or side, as indicated by your machine's manual). Push the needle up as far as it will go.
5. **Tighten Clamp:** Securely tighten the needle clamp screw. Do not overtighten, as this can damage the needle or clamp.

6. **Test Stitch:** After installation, perform a test stitch on a scrap piece of fabric to ensure proper needle seating and stitch quality before beginning your project.



Image: A single Groz-Beckert 135X5 industrial sewing machine needle, illustrating its design.

OPERATING GUIDELINES

These needles are designed for high-performance industrial sewing. Follow these guidelines for optimal operation:

- **Needle Size Selection:** Choose the needle size appropriate for your fabric weight and thread thickness. A general rule is to use finer needles for lighter fabrics and thicker needles for heavier materials.
- **Needle Point Type:** The FFG SES BP point type is a light ball point, suitable for knit fabrics and some woven materials, designed to push fabric fibers aside rather than piercing them, reducing damage.
- **Thread Compatibility:** Ensure your thread is compatible with the needle eye size to prevent fraying, breakage, or skipped stitches.
- **Machine Speed:** While these needles are robust, operating your machine at excessively high speeds for prolonged periods with inappropriate fabric or thread can lead to premature wear or breakage.
- **Regular Checks:** Periodically check the needle for bends, burrs, or dullness during extended sewing

sessions.

MAINTENANCE

Proper maintenance extends the life of your needles and ensures consistent sewing quality.

- **Storage:** Store unused needles in their original packaging or a dedicated needle case to protect them from damage, dust, and moisture.
- **Replacement:** Replace needles regularly. A general guideline for industrial use is to replace needles after 8-10 hours of continuous sewing, or sooner if you notice any signs of wear, dullness, bending, or if stitch quality deteriorates.
- **Inspection:** Before each use, inspect the needle for any visible defects. A bent or dull needle can cause skipped stitches, fabric damage, or thread breakage.
- **Cleaning:** Keep the needle area of your machine clean from lint and debris, which can affect needle performance.

TROUBLESHOOTING COMMON NEEDLE ISSUES

If you encounter problems during sewing, the needle is often a primary suspect. Here are common issues and their solutions:

Problem	Possible Cause	Solution
Skipped Stitches	Bent, dull, or incorrectly inserted needle; wrong needle type for fabric.	Replace needle; re-insert correctly; use appropriate needle system and point type.
Thread Breakage	Burr on needle eye or shaft; needle too small for thread; needle bent; incorrect threading.	Replace needle; use larger needle; check threading path.
Needle Breakage	Needle bent; hitting bobbin case or presser foot; pulling fabric forcefully; wrong needle size for fabric.	Replace needle; check machine timing/alignment; avoid pulling fabric; use correct needle size.
Fabric Damage (holes, snags)	Dull or incorrect needle point type (e.g., sharp point on knit fabric).	Replace needle; ensure FFG SES BP (light ball point) is used for appropriate fabrics.

SPECIFICATIONS

Detailed specifications for the EVERNICE Groz-Beckert 134R 135X5 DPX5 SY1955 needles:

- **Needle System:** 135X5 (134R) FFG SES BP
- **Cross-Reference Systems:** 134, 134R, 135X5, 135X7, 1955, 797, DPX5, DPX7, DPX134, SY1901, SY1905, SY1955
- **Shank Type:** DPX5 features a thicker round shank compared to DBX1.
- **Manufacturer:** EVERNICE
- **Part Number (Model):** GROZ DPX5FFG-50PCS
- **UPC/GTIN:** 718245097494

Compatible Industrial Sewing Machine Brands and Models:

- **ADLER:** 67, 69, 167, 267, 396, 971

- **ARTISAN:** 20-53, 20-93, 196R-5, 518, 2220, 2240, 5110, 5550-H, ZH-305, ZJ-100-J, ZJ-8500-H
- **BERNINA:** 217N-04, 217N-06, 217N-08, 316
- **BROTHER:** B430, B431, B432, B433, B435, B518, B715, B781, B755, B781, B790, B814, B815, B830, B841, B842, B845, B847, B8450, B8750, B872, B875, BAS-301, BAS-310, BAS-320, BAS-330
- **CONSEW:** CN2053R-1, CN2033R-1, CN2043R-1
- **DURKOPP:** 207, 211 (most sub-classes), 213, 215, 219 (most sub-classes), 220, 256, 263, 271, 272, 531, 551
- **GAMMILL:** QUILTERS
- **JUKI:** DLU-490, LBH-700, LH-512, LH-515, LH-1152, LK-280, LK-980, LK-984, LK-987, LK-1850, LK-1852, LK-1853, LK-1854, AMS-505A, AMS-260A
- **MITSUBISHI:** DB-120, DB-179, DB-327, DN-260, DN-275, DU-108, LT-200, LT2-220, LT2-230, LT2-250, LZ-200, LZ-750, LZ-760, PB-810-10, PB-848-38
- **PFAFF:** 138, 238, 242, 244, 331, 437, 438, 441R, 442, 443, 461, 481, 483, 491, 493, 563, 1243, 1244, 1290, 1294, 1442, 3701, 3704, 3826, 3834
- **SINGER:** 20U, 61W, 107, 108W, 112, 120U, 121, 132W, 138, 143, 154, 167, 191D, 212, 212G, 220U, 312U, 366K, 371U, 457, 469U, 471U, 591, 691, 601, 770, 771, 2281, 2457, 3457, 3770, 3771, 4000



Image: A digital caliper measuring the shank of a sewing machine needle, displaying a measurement of 1.99mm. This illustrates the precise dimensions of the needle.

WARRANTY INFORMATION

As consumable items, sewing machine needles typically do not come with an extended warranty against wear and tear. However, EVERNICE guarantees that these needles are free from manufacturing defects upon purchase. If you receive needles with manufacturing flaws, please contact your retailer or EVERNICE customer support within the return period for assistance.

SUPPORT AND CONTACT

For further assistance, questions regarding needle compatibility, or to report a manufacturing defect, please contact EVERNICE customer support through your purchase platform or the official EVERNICE website. When contacting support, please have your product model number (GROZ DPX5FFG-50PCS) and purchase details available.