



## HU-FRIEDY ORTHODONTICS INSTRUMENT WARRANTY

Hu-Friedy orthodontic instruments carry a lifetime warranty against material defects and craftsmanship. Like all Orthodontic companies, "lifetime" references the ordinary expected life of the product. We guarantee your cutters for seven years (678-113 and 678-700 for 3 years) and your benders and utility pliers for ten years. This covers breakage, joint failure and corrosion under normal use. Proper cleaning and maintenance is required. Failure to properly care for instruments, including cleaning and lubrication may void this warranty. Hu-Friedy reserves the right to decide whether an instrument is to be repaired or replaced. Sharpening cutters and repairing minor tip damage is considered routine maintenance with normal use, and is not covered by warranty. Please review the details of our warranty below.

### CLEANING

Remove cements and other bulk debris immediately after use. Clean instruments ultrasonically, using an enzymatic cleaning solution such as Enzymax®. Change your ultrasonic solution every shift or as needed. Clean and sterilize hinged instruments in the open position. Improper cleaning can lead to discoloration and oxidation. A proper cleaning will lengthen the life of your instruments. Only use detergents and disinfectants that are suitable with medical and dental instruments and follow the manufacturer's instructions in respect to concentration and time of exposure.

### LUBRICATION

Lubricate instruments at least weekly prior to sterilization. Use only lubricants designed for precision hinged instruments such as Instrument Lubricant Spray, 8 oz. How often depends on such factors as the frequency of use, types of applications in which the cutter is being used, etc. Routinely lubricating instruments will lengthen the life of your instruments.

### SHARPENING

Make sure to sharpen your cutter regularly. With average use, Hu-Friedy recommends sharpening your cutters every 6-9 months. Routinely inspect

cutters to determine if sharpening is required. Sharp instruments cut more efficiently and regular sharpening will enhance the life of your cutter.

### STERILIZATION

Sterilize hinged instruments in the open position. Hu-Friedy recommends steam autoclaving per the manufacturer's instructions. Steam autoclaves will not dull cutters. Do not use cold sterilants; they can chemically attack your stainless steel instruments. Be sure your sterilizing units are clean and operating properly.

### CORROSION

Your Hu-Friedy instrument is resistant to corrosion. You can prevent corrosion problems by properly following all manufacturer's recommendations. Accumulated debris can turn orange in color and be mistaken for rust. Hu-Friedy can help you make this determination. Never mix your new instruments with a corroded instrument. Oxidation can easily spread to new instruments. It is recommended that a corroded instrument be immediately discarded.

## PRODUCT QUALITY GUARANTEE - IN GENERAL

### LIMITED LIFETIME WARRANTY

Except as otherwise provided below, Hu-Friedy instruments provide a lifetime warranty against defects in materials and workmanship, and Hu-Friedy will, at its option, repair or replace any product that fails as a result of any such defect. Please call Hu-Friedy Customer Care at 1-800-Hu-Friedy (1-800-483-7433) with questions about the expected life of any specific instrument type. Hu-Friedy guarantees against breakage, joint failure, and corrosion under normal use. Instruments that show expected wear under ordinary use are not considered to be defective. Instrument "lifetime" means the ordinary expected life, which varies by type of instrument. Modifying or retipping an instrument or failure to provide proper instrument care, including proper cleaning and maintenance, may void this warranty. Sharpening and repairing minor tip damage are considered routine maintenance with normal use, and are not covered by warranty.

Warning: Do not expose resin or silicone handles to solutions containing phenols, glutaraldehydes, iodophors, dry heat or chemical vapor sterilization. See manufacturer's recommendations for your cleaning system.

### LIMITATIONS ON ALL WARRANTIES

HU-FRIEDY DISCLAIMS LIABILITY AND IS NOT RESPONSIBLE FOR THE PERFORMANCE OR REPLACEMENT OF ANY PRODUCT THAT HAS BEEN MISUSED, TAMPERED WITH, MODIFIED, RETIPPED OR REFITTED IN ANY MANNER OR IS BEYOND ITS EXPECTED LIFE. HU-FRIEDY DISCLAIMS LIABILITY, UNDER ANY APPLICABLE WARRANTY OR OTHERWISE, FOR DAMAGES ARISING FROM (1) THE USE OF COMMERCIAL/RESIDENTIAL GRADE WASHERS; (2) THE USE OF DENTAL AUTOMATED WASHER-DISINFECTORS WHERE MANUFACTURER'S PROCESSING GUIDELINES ARE NOT FOLLOWED; (3) THE USE OF CLEANING SOLUTIONS, CHEMICALS AND/OR PROCEDURES THAT ARE CONTRARY TO HU-FRIEDY'S RECOMMENDATIONS; AND/OR (4) IMPROPER SET-UP AND/OR INSTALLATION OF ANY PRODUCT.

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