



INSTALLATION INSTRUCTIONS

19.5" x 46" RUNWAY SWEEPER FLAT WAFER SECTIONS

- √ **Core OD must be 19.46" +/-0/-0.085"**
 - Undersized cores result in 'hula hoop' wafer movement resulting in sheered pins, ring breakage and premature filament wear
- √ **Stand Core Upright**
 - Ensure support for safety
 - Flatten or straighten end plates and secure in one place on the bottom of core
- √ **Begin Installing**
 - Position drive pins of each wafer section between the drives on the core
 - Install new spacers between every consecutive wafer section
 - New spacers are critical to maintain tolerances
- √ **Build a Balanced Broom**
 - Locate the colored paint mark on the inside of the wafer ring
 - Wafers have been pre-balanced and mark indicates 'heavy' point of wafer
 - Install next wafer on the core, rotating the position of the mark 90 degrees for every consecutive wafer section
 - If installing Poly/Wire mixed sets, install one poly wafer with a spacer, between each wire wafer, following the same 90-degree pattern. Poly wafers should be the first and last wafers installed
- √ **Compress the Broom**
 - Proper compressing ensures no side-to-side wafer movement that will result in possible pin and ring breakage and premature filament wear
 - Once last wafer is flush with end of core, add extra spacer and Poly wafer followed by the broom retainer plate. Use 4-6" long all-thread bolts with extra nuts to compress. After compressing replace all-thread bolts one by one with original OEM supplied bolts.
- √ **Reinstall Core**
 - To lower and move a refilled core, attach supports directly to the metal sweeper core.
 - Do not apply force, pressure or lift to any part of the wafer or filament during the core installation onto the sweeper
- √ **Adjust Sweeping Pattern**
 - Appropriate pattern is the main determinant of broom life
 - Excess pressure will result in FOD and premature broom wear
 - Broom patterns should never exceed 6"
 - Brooms sweep with the tips of the filament, not the side
 - In extreme conditions, operators should slow vehicle speed and increase the broom RPM in order to sweep effectively
 - When using 13lb wire wafers, reduce sweeping pattern approximately 1"
- √ **Replace Worn Wafers**
 - For superior sweeping and FOD control replace wafers when bristle length is >6"

LOADING INSTRUCTION

