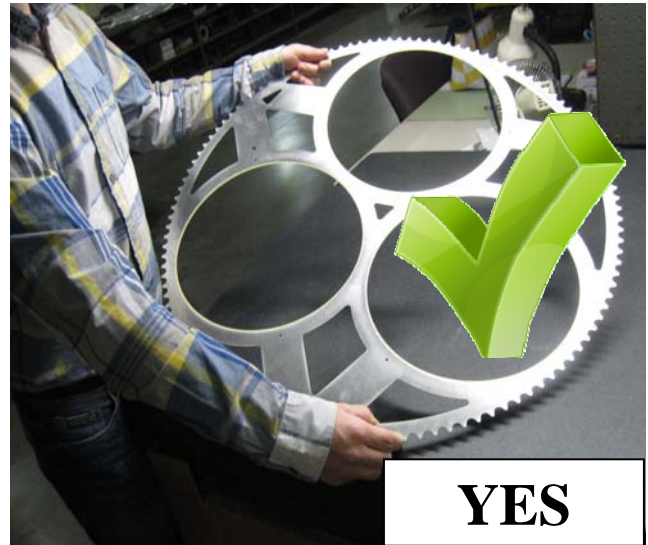


Insert Carrier Storage, Pre-Conditioning, and Usage Recommendations

- **Store Insert Carriers on a smooth flat surface to prevent damage**
 - Area used for storage should be larger than the carrier size.
 - Due to the design of Insert Carriers, they have less strength than the same size steel carrier.
 - Keep unused Insert Carriers in sealed poly bag until they are to be used.
 - **HANDLE WITH CARE**
 - ***Do NOT hang on Insert material***
 - ***Do NOT Bend***
 - ***DO NOT handle carrier by holding Insert. See Below.***



- **Pre-Conditioning Guidelines:**
 - Prior to use, carriers should be pre-conditioned.
 - For best results, pre-conditioning should be done using a wafer that is thinner than the overall carrier thickness in each hole to support the insert during this process.
 - Pre-condition the carriers on a machine with flat plates at operating temperature.
 - *Note: If plates are cold, it is possible that the plate shape may be concave. This would result on "point contact" at the edges of the plate and unduly high pressure in that area and could thus damage either the plastic insert or the steel, or both.*
 - Adequate slurry flow must be maintained during pre-conditioning.
 - Proper pressure for surface area of carrier being conditioned should be reviewed as the Insert Carrier cross-sectional area is typically less than the area of a load of silicon wafers.
 - **EXCESSIVE PRESSURE MAY DAMAGE INSERT CARRIER**
- **If Insert Carriers are temporarily removed from use:**
 - Insert Carrier surface should be dried to prevent oxidation and coated with an anti-rust film if available.

These general guidelines are recommended to help insure the longest productive life from your "Insert Carriers". We recognize that each company has its own manufacturing processes, but suggest that you review and incorporate these recommendations. Our goal is for you to achieve the best possible results when using our products.

These recommendations are subject to change or revision without notice.

© 2013 – PR Hoffman Machine Products, all rights reserved.

1517 Commerce Avenue • Carlisle, PA 17015

• Phone: (717) 243-9900 • FAX (717) 243-4542 or (800) 776-3830