

3M™ Trizact™ Pad Conditioner T series B6T-1900

Product Description

3M™ Trizact™ Pad Conditioner T Series B6T-1900 uses precisely engineered three dimensional microreplicated ceramic structures coated with CVD diamond. The microreplicated structures provide consistent performance disk-to-disk and the metal-free cutting surface is ideal for advanced node process sensitive to metallic contamination. 3M™ Trizact™ Diamond Pad Conditioner T Series has CMP control, consistency, cost of ownership and customization in mind, and benefits from collaboration with 3M's global technical capability and manufacturing capacity.

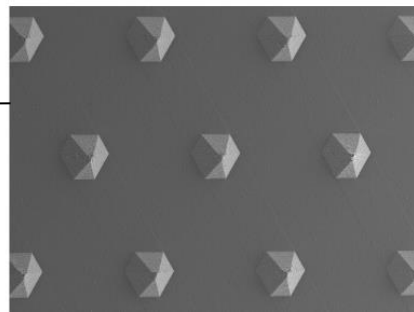
3M™ Trizact™ Pad Conditioner T Series disks are available in multiple sizes and configurations to fit most new and legacy CMP tools.

Key Features

- CVD diamond coated ceramic microreplicated surface to deliver precision and control
- Consistent disk-to-disk performance which reduces variability of CMP processes
- Metal-free cutting surface, ideal for advanced node processes sensitive to metallic contamination
- New, rougher CVD diamond coating technology for more stable removal rate and longer lifetime

Product Construction/Material Description

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.



Scanning Electron Microscope (SEM) image of the 3M™ Trizact™ Pad Conditioner T Series B6T-1900 microreplicated surface

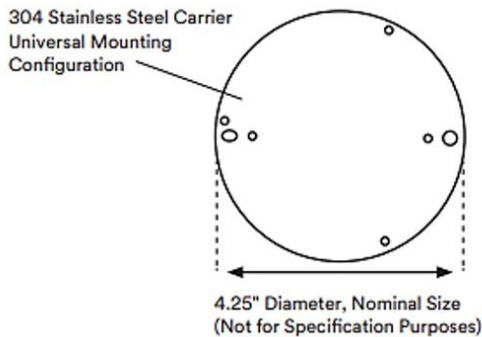
3M™ Trizact™ Pad Conditioner T Series Design Parameters

| | |
|--------------------------|--------------|
| Diamond film thickness | 3~10 microns |
| Co-planarity : Tip count | 460~964 |
| Co-planarity : Max angle | ≤0.175 deg |

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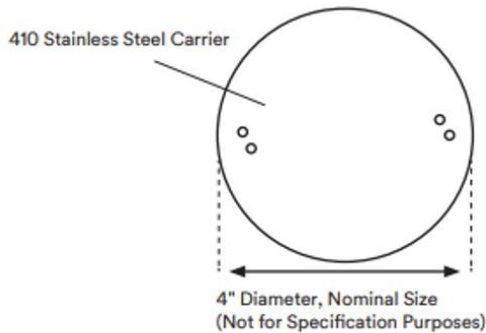
| | |
|------------------------------|-----------------|
| Mean Depression Angle (MDA): | 0.461~0.581 rad |
|------------------------------|-----------------|

3M™ Trizact™ Pad Conditioner T Series B6T-1900-5S2 Backside



| 3M™ Trizact™ Pad Conditioner T Series B6T-1900-5S2 Construction | |
|---|--------------------|
| Carrier Material | 304 SS |
| Carrier Size (Diameter, Nominal Size) | 4.25 in |
| Abrasive Material | CVD coated ceramic |
| Abrasive Working Surface | B6T-1900 pattern |

3M™ Trizact™ Pad Conditioner T Series B6T-1900-5S1 Backside



| 3M™ Trizact™ Pad Conditioner T Series B6T-1900-5S1 Construction | |
|---|--------------------|
| Carrier Material | 410 SS |
| Carrier Size (Diameter, Nominal Size) | 4 in |
| Abrasive Material | CVD coated ceramic |
| Abrasive Working Surface | B6T-1900 pattern |

Storage and Shelf Life

The shelf life of 3M™ Trizact Pad Conditioner T Series B6T-1900 is 2 years from the date of manufacture when stored in the original packaging materials and stored at 21°C (70°F) and 50% relative humidity.

Certificate of Analysis (COA)

The 3M Certificate of Analysis (COA) for this product is established when the product is manufactured and deemed commercially available from 3M. The COA contains the 3M test methods, specifications limits and test results for the product's performance attributes that the product will be supplied against. Contact your local 3M representative for this product's COA.

3M™ Trizact™ Pad Conditioner T Series B6T-1900

Safety Data Sheet: Consult Safety Data Sheet before use.

Regulatory: For regulatory information about this product, contact your 3M representative.

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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