



PLANARCORE® PVA BRUSHES

*Rapid changeout and high performance for
the most critical post CMP clean applications*



rapid changeout and high performance

Overview

Planarcore® PVA brushes are designed to deliver superior performance and wafer-to-wafer uniformity in post CMP wafer cleaning applications. The unique *molded-through-the-core* technology provides absolute adhesion of the PVA (polyvinyl alcohol) to the brush core, unlike standard PVA products that are merely friction fitted to the core. The dimensional stability and core flow equalization of disposable Planarcore PVA brushes also eliminate the uncertainty associated with stand-alone and pre-mounted PVA products. PVA slippage, expansion and loss of concentricity are no longer a concern with the superior performance of Planarcore PVA brushes from Entegris.

Reduces Downtime on Tool

Molded-through-the-core technology guarantees a perfect fit every time. No operator errors or

inconsistencies to worry about. Gapping is quicker and easier, as the dimensional stability and concentricity from brush to brush do not waver. From first wafer to last wafer, the Planarcore brush and gap remain the same, ensuring process stability.

Efficient cleaning processes in Planarcore brush manufacturing reduce fab-based flush-up and brush break-in times. Quicker CMP tool start-up benefits throughput.

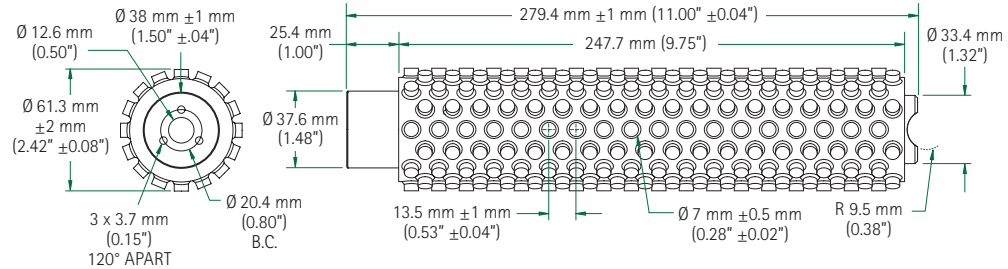
Decreases Defectivity on Wafer

Reduced particle counts on wafer are the result of cleaner PVA, dimensional consistency and flow equalization, which combine to deliver the most consistent performance wafer to wafer in the industry.

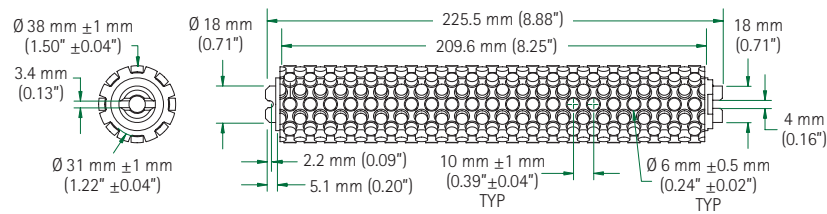
Features	Benefits
Molded-through-the-core construction	<p>Allows rapid and consistent installation on tools, reducing system downtime.</p> <p>Eliminates alignment and gapping problems, increasing system throughput.</p> <p>PVA remains dimensionally stable due to the molded-through-the-core technology. Will not lose concentricity during use.</p>
High-purity PVA	<p>Molded-through-the-core construction allows for more efficient cleaning of PVA in manufacture.</p> <p>Brush break-in and flush-up are dramatically reduced.</p> <p>Low extractables and reduced particle counts on wafers.</p>
Close-molded technology	<p>The Planarcore brush design equilibrates flow through the brush, eliminating the risk of non-repeatable and non-predictable performance due to inconsistent flow rates through the length of the brush, as seen in standard designs.</p>

Dimensions

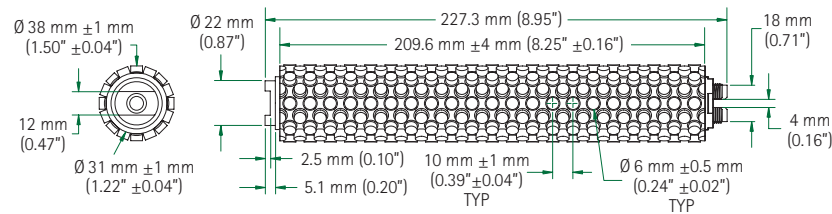
PVA0LOTR4



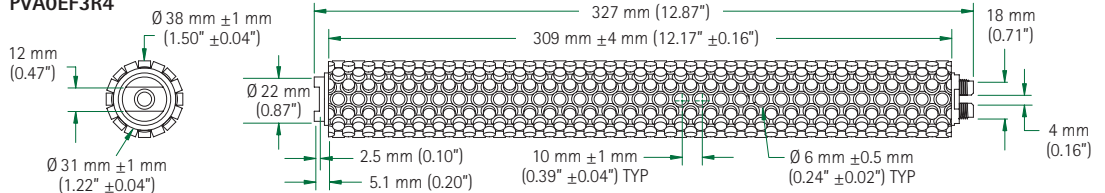
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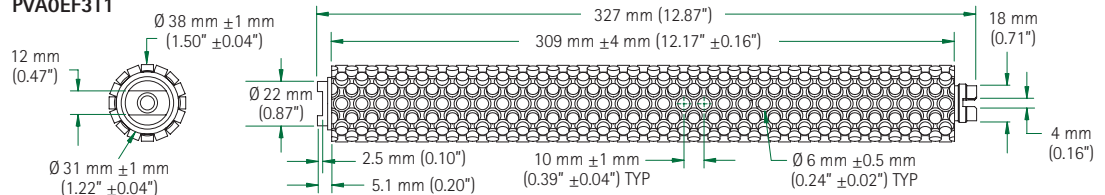
PVA0EF2R4



PVA0EF3R4



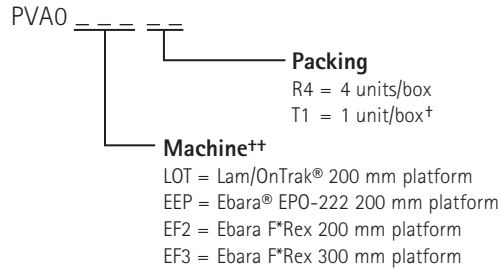
PVA0EF3T1



Ordering Information

Planarcore PVA Brushes

Part Number



[†]PVA0EF3T1 = Ebara F^{*}Rex 300 mm brush with modified PVC core

⁺⁺Other configurations and platforms available upon request.

For More Information

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit www.entegris.com and select the “Customer Service” link for the center nearest you.

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