

3M™ Diamond Pad Conditioner A165

Introduction

Highly engineered pad conditioners deliver reliable performance for critical semiconductor CMP applications. Utilizes Sintered Abrasive Technology for superior diamond retention, with controlled diamond placement and protrusion.

Features and Benefits

- Helps to reduce the number of maintenance shutdowns, increasing the potential for lower cost of ownership
- Optimized for extended pad and disk life
- Diamonds secured with both chemical and mechanical bonds for superior retention



3M Stock #:

	60-0200-1250-0	60-0200-1585-9
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General Description

Product Type	Diamond Pad Conditioner	Diamond Pad Conditioner
Product ID	3M™ Diamond Pad Conditioner A165	3M™ Diamond Pad Conditioner A165
Manufacturer	3M Company	3M Company
Manufacturing Location	Cottage Grove, Minnesota, USA	Cottage Grove, Minnesota, USA

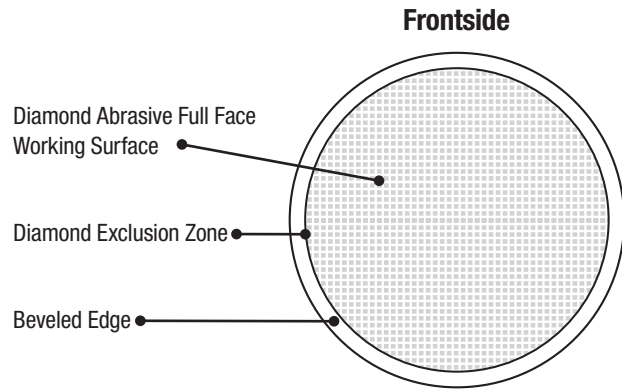
Pad Conditioner Construction

Carrier (substrate material)	304 SS	304 SS
Carrier Format	Disk, with bevel edge, snap-on connection	Disk, with bevel edge
Carrier Size (diameter, nominal size)	4.25 in	4.25 in
Abrasive Material	Nickel based alloy with patterned diamond	Nickel based alloy with patterned diamond
Abrasive Working Surface	Full face	Full face

Design Parameters

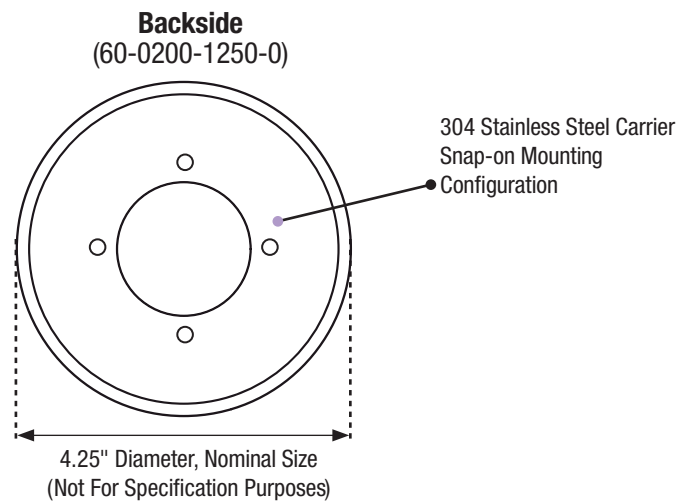
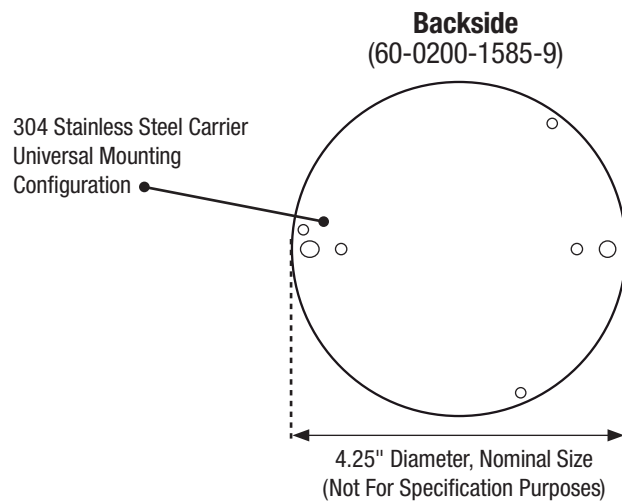
Diamond Size (nominal size)	251 µm	251 µm
Diamond Type	Type 4, semi-sharp	Type 4, semi-sharp
Diamond Pattern Type	Square array	Square array
Flatness	<100 µm	<100 µm
Aggressiveness Value (BL)	15-19	15-19





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