

3M™ Diamond Pad Conditioner A82



3M Stock #:

60-5002-1524-8

General Description

Product Type	Diamond Pad Conditioner
Product ID	3M™ Diamond Pad Conditioner A82
Manufacturer	3M Company
Manufacturing Location	Cottage Grove, Minnesota, USA

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

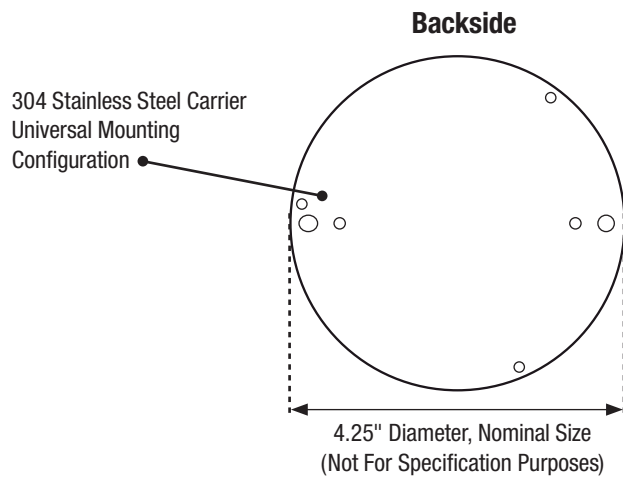
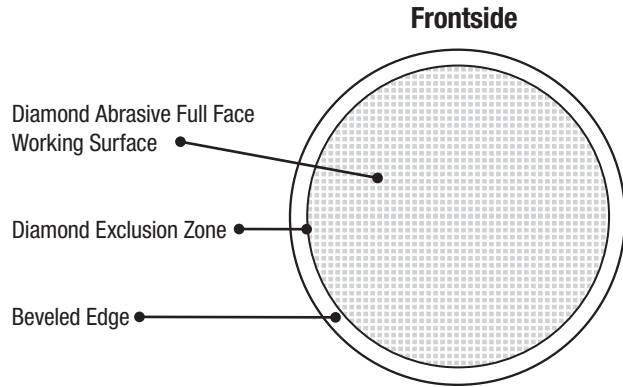
- Helps to reduce the number of maintenance shutdowns, increasing the potential for lower cost of ownership
- Optimized for extended pad and disk life
- Diamonds secured with both chemical and mechanical bonds for superior retention

Pad Conditioner Construction

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

Design Parameters

Diamond Size (nominal size)	74 μm
Diamond Type	Type 2, blocky
Diamond Pattern Type	Square array
Flatness	<100 μm
Aggressiveness Value (BL)	6-14



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