

3M™ Diamond Pad Conditioner Bar R400

Introduction

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

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 #:

	60-0200-0886-2	60-0200-0887-0	60-0200-0888-8
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General Description

Product Type	Diamond Pad Conditioner	Diamond Pad Conditioner	Diamond Pad Conditioner
Product ID	3M™ Diamond Pad Conditioner Bar R400	3M™ Diamond Pad Conditioner Bar R400	3M™ Diamond Pad Conditioner Bar R400
Manufacturer	3M Company	3M Company	3M Company
Manufacturing Location	Cottage Grove, Minnesota, USA	Cottage Grove, Minnesota, USA	Cottage Grove, Minnesota, USA

Pad Conditioner Construction

Carrier (substrate material)	316 SS	316 SS	316 SS
Carrier Format	Bar	Bar	Bar
Carrier Size (nominal, length x height)	11.63 in. x 1.14 in.	11.63 in. x 0.85 in.	11.63 in. x 0.85 in.
Abrasive Material	Nickel based alloy with patterned diamond	Nickel based alloy with patterned diamond	Nickel based alloy with patterned diamond
Abrasive Working Surface	Segmented	Segmented	Segmented

Design Parameters

Diamond Size (nominal size)	251 µm	251 µm	251 µm
Diamond Type	Type 4, semi-sharp	Type 4, semi-sharp	Type 2, blocky
Diamond Pattern Type	Square array	Square array	Square array
Flatness	<100 µm	<100 µm	<100 µm



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

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