



MH Polishing Pad

DESCRIPTION

MH polishing pads are uniquely designed for polishing and fining a wide variety of surfaces where flatness and ultra precision surface finish is critical. These materials include glass surfaces, ceramic components, precision lenses, semiconductor wafers and aluminum disks.

An advanced polyurethane formula is the base of all MH polishing pads. This formula produces a microcellular pore matrix throughout the material and yields an extremely tough, durable surface to withstand the demands of fining and polishing with abrasives.

The MH structure provides maximum use of the abrasive by embedding it into the top surface of the pad to allow greater cutting action and minimizing free particles that can contribute to scratching.

MH pads are available in different material densities with or without ceria abrasive fillers. Lower density materials have a more open pore structure. All MH pads are compatible with standard polishing slurries.

MH Pad Specifications

Pad Name	Thickness Tolerance (mm)	Hardness (JIS A)	Density (g/cm ³)	Fill
MH N35A	+/-0.60	69-81	0.47-0.56	Unfilled
MH S15A	+/-0.60	76-88	0.48-0.56	Unfilled
MH N24A	+/-0.60	78-86	0.37-0.46	Unfilled
MH N15A	+/-0.60	80-88	0.47-0.56	Unfilled
MH N15B	+/-0.60	81-89	0.48-0.56	Unfilled
MH C14E	+/-0.60	72-80	0.37-0.46	Small Particle Ceria
MH C14A	+/-0.60	72-80	0.37-0.46	Ceria
MH C14B	+/-0.60	74-83	0.37-0.46	Ceria
MH C15E	+/-0.60	75-85	0.47-0.56	Small Particle Ceria
MH C14C	+/-0.60	76-86	0.37-0.46	Ceria
MH C15C	+/-0.60	76-86	0.47-0.56	Ceria
MH C15A	+/-0.60	80-89	0.47-0.56	Ceria
MH C26A	+/-0.60	84-92	0.57-0.66	Ceria



creating the
flawless surface

GROOVE PATTERNS

Groove Patterns		
Pattern	Groove Width (mm)	Pitch (mm)
Square		
A21	2	15
A22	2	22.5
A23	2	30
A24	2	40
A25	2	50
A27	2	70
A29	2	90
Round		
B31	3	15.7
B32	3	22.5
B33	3	30
B37	3	70
B39	3	90
U Shaped		
C41	4	15.7
C42	4	21.25
C43	4	31.5
C44	4	42
C45	4	52
C47	4	73.75
C49	4	94.75
U Shaped		
S41	4	11.7

GROOVE DEPTH

Groove Depth: Dependent on Thickness	
Thickness (mm)	Groove Depth (mm)
0.8	0.4
1.0	0.6
1.2	0.8
1.5	1.0
2.0	1.2
3.0	2.2
5.0	4.2

These values represent typical measurements. Actual values may vary in a range defined by product specifications.

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