

Product Data Sheet



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Product Name **MD-Piano**

Cat. no.	40800121	MD-Piano 80, 200 mm (8") dia.
	40800125	MD-Piano 120, 200 mm (8") dia.
	40800129	MD-Piano 220, 200 mm (8") dia.
	40800133	MD-Piano 500, 200 mm (8") dia.
	40800137	MD-Piano 1200, 200 mm (8") dia.
	40800141	MD-Piano 2000, 200 mm (8") dia.
	40800145	MD-Piano 4000, 200 mm (8") dia.
	40800122	MD-Piano 80, 250 mm (10") dia.
	40800126	MD-Piano 120, 250 mm (10") dia.
	40800130	MD-Piano 220, 250 mm (10") dia.
	40800134	MD-Piano 500, 250 mm (10") dia.
	40800138	MD-Piano 1200, 250 mm (10") dia.
	40800142	MD-Piano 2000, 250 mm (10") dia.
	40800146	MD-Piano 4000, 250 mm (10") dia.
	40800123	MD-Piano 80, 300 mm (12") dia.
	40800127	MD-Piano 120, 300 mm (12") dia.
	40800131	MD-Piano 220, 300 mm (12") dia.
	40800135	MD-Piano 500, 300 mm (12") dia.
	40800139	MD-Piano 1200, 300 mm (12") dia.
	40800143	MD-Piano 2000, 300 mm (12") dia.
	40800147	MD-Piano 4000, 300 mm (12") dia.
	40800124	MD-Piano 80, 350 mm (14") dia.
	40800128	MD-Piano 120, 350 mm (14") dia.
	40800132	MD-Piano 220, 350 mm (14") dia.
	40800136	MD-Piano 500, 350 mm (14") dia.
	40800140	MD-Piano 1200, 350 mm (14") dia.
	40800144	MD-Piano 2000, 350 mm (14") dia.
	40800148	MD-Piano 2000, 350 mm (14") dia.

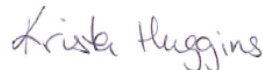
Revision 21-03-2017

Description Resin Bonded diamond grinding disc for plane grinding of materials HV 150-2000. Surface finish comparable to SiC-Paper/SiC-foil.

Material Nickel-coated diamonds, fumed silica, silicon carbide and graphite in an epoxy matrix, deposited on an epoxy-coated metal plate.

Properties	<p>For magnetic fixation on MD-Disc. White screen printing on the friction rear.</p> <p>Re-usable.</p>
Application	<p>For plane/fine grinding of materialographic specimens with hardness 150 - 2000 HV. Water is used as a lubricant but Struers water-free lubricants can also be used if the specimens are sensitive to water.</p> <p>Struers additive for cooling fluid, Corrozip, can be used to protect the disc, machine and specimen and for optimal grinding and cooling qualities.</p> <p>The user must follow the Instructions for Use for correct work procedure.</p>
Health and Safety	<ul style="list-style-type: none"> - Whilst the MD-Piano is rotating, ensure hands are kept well clear of the edge and out of the splash bowl. - Do not exceed a rotational speed of 600 rpm. <p>To the best of Struers' knowledge, the products listed above do not contain any Substances of Very High Concern (SVHC) according to REACH regulations (amended on 20th June 2016) at or above 0.1%.</p> <p>According to OSHA's Hazard Communication Standard (HCS 2012) 29 CFR 1910.1200 paragraph (c) this product is considered an article and defined as <i>"a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees"</i>.</p> <p>Therefore this product is exempted from HCS 2012 obligations on classification and labelling under stated normal conditions of use (29 CFR 1910.1200 (b)(6)(v)).</p> <p>See Instructions for Use for more information.</p>
Skin protection	<p>Wear protective gloves during grinding.</p>
Respiratory Protection	<p>It is recommended that the grinding machine is adequately ventilated during use of MD-Piano.</p>
Environmental precautions	<p>Dispose of waste and residues as metal waste in accordance with locally approved regulations and requirements.</p>

Approved by:



Krista Huggins

Chemical Safety Specialist
Struers ApS.