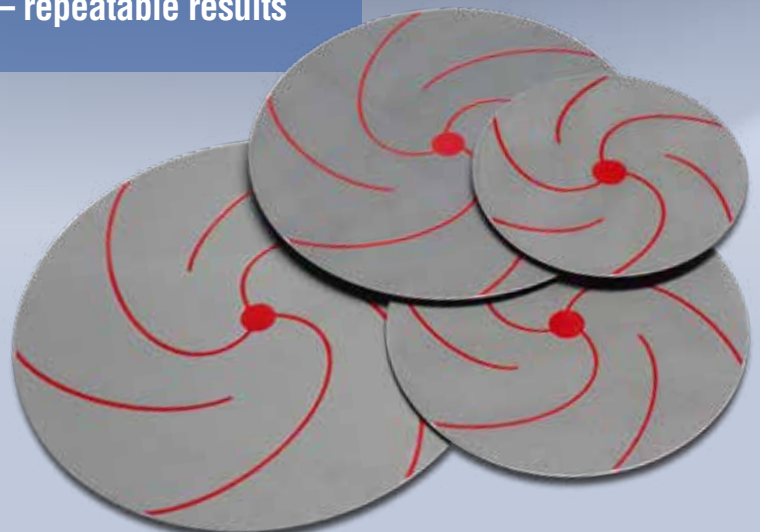


Perfect edge retention and absolutely plane surfaces in less time

- Longer lifetime than SiC Paper – fewer replacements and less waste
- Constant high material removal – short preparation times
- Perfect planeness and edge retention – repeatable results



Fast preparation – less waste – repeatable results

Plane grinding of aluminium alloys usually takes place using SiC Paper; however, achieving perfect edge retention, maximum planeness and consistent results is not always easy. SiC Paper wears quickly – meaning frequent paper changes and a longer working process.

MD-Molto 220 disc is ideal for plane grinding of aluminium alloys and can be used instead of SiC Paper or Foil #220. The following preparation steps are the same, except from the fine grinding step on MD-Largo, which can be shortened as the specimens already are completely flat after plane grinding.

The diamond abrasive also allows grinding of aluminium alloys in combination with very hard materials like ceramics. Perfectly plane specimens are achieved despite the large differences in hardness. Made with resin bonded diamonds, MD-Molto has a lifetime of up to 100 pieces of SiC Paper guaranteeing a high removal rate and continuously short grinding times.

MD-Molto is suited for the preparation of aluminium alloys in the hardness range from 50 - 250 HV. Some softer types of aluminium alloys can also be prepared but may require longer fine grinding times.

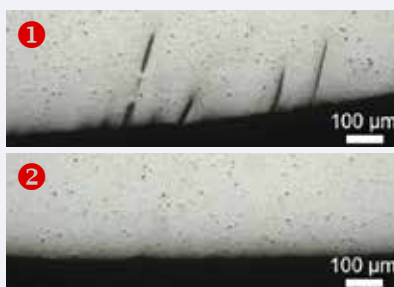
Planeness of MD-Molto 220 versus SiC Paper #220

Results after fine grinding on MD-Largo with DiaPro Allegro/Largo



- ① The surface of the specimen ground using SiC Paper still shows clear signs of edge rounding, even after fine grinding.
- ② The surface of the specimen ground using MD-Molto is completely flat.

Results after final polishing



- ① The edge of the specimen ground on SiC Paper displays remaining scratches because of the edge rounding.
- ② The edge of the specimen ground on MD-Molto is perfectly plane and scratch free.

Step	PG	FG	DP	OP
Surface	MD-Molto 220	MD-Largo	MD-Mol	MD-Chem
Lubricant / Suspension	Water	DiaPro Allegro/Largo 9 µm	DiaPro Mol R 3 µm	OP-S
rpm	300	150	150	150
Force N / Specimen	25	30	25	15
Time	Until plane	2-4 min.	3 min.	1 min.

SPECIFICATIONS

Resin bonded diamond grinding disc. Surface finish comparable to SiC Paper/Foil #220. For magnetic fixation on MD-Disc.

200 mm (8") dia.	40800187
250 mm (10") dia.	40800188
300 mm (12") dia.	40800189
350 mm (14") dia.	40800190

Cat. no.

Buy your consumables in Struers new e-Shop! e-shop.struers.com

Struers' products are subject to constant product development. Therefore, we reserve the right to introduce changes in our products without notice.

Struers ApS

Pederstrupvej 84
 DK-2750 Ballerup, Denmark
 Phone +45 44 600 800
 Fax +45 44 600 801
struers@struers.dk
www.struers.com

AUSTRALIAN & NEW ZEALAND

Struers Australia
 27 Mayneview Street
 Milton QLD 4064
 Australia
 Phone +61 7 3512 9600
 Fax +61 7 3369 8200
info.au@struers.dk

BELGIUM (Wallonia)

Struers S.A.S.
 370, rue du Marché Rollay
 F-94507 Champigny
 sur Marne Cedex
 Téléphone +33 1 5509 1430
 Télécopie +33 1 5509 1449
struers@struers.fr

BELGIUM (Flanders)

Struers GmbH Nederland
 Zomerdijk 34 A
 3143 CT Maassluis
 Telephone +31 (10) 599 7209
 Fax +31 (10) 5997201
netherlands@struers.de

CANADA

Struers Ltd.
 7275 West Credit Avenue
 Mississauga, Ontario L5N 5M9
 Phone +1 905-814-8855
 Fax +1 905-814-1440
info@struers.com

CHINA

Struers Ltd.
 No. 1696 Zhang Heng Road
 Zhang Jiang Hi-Tech Park
 Shanghai 201203, P.R. China
 Phone +86 (21) 6035 3900
 Fax +86 (21) 6035 3999
struers@struers.cn

CZECH REPUBLIC & SLOVAKIA

Struers GmbH Organizační složka
 v dechotechnický park
 P. Jilepská 1920,
 CZ-252 63 Roztoky u Prahy
 Phone +420 233 312 625
 Fax +420 233 312 640
czechrepublic@struers.de
slovakia@struers.de

GERMANY

Struers GmbH
 Carl-Friedrich-Benz-Straße 5
 D- 47877 Willich
 Telefon +49 (0) 2154 486-0
 Fax +49 (0) 2154 486-222
verkauf@struers.de

FRANCE

Struers S.A.S.
 370, rue du Marché Rollay
 F-94507 Champigny
 sur Marne Cedex
 Téléphone +33 1 5509 1430
 Télécopie +33 1 5509 1449
struers@struers.fr

HUNGARY

Struers GmbH
 Magyarországi Fióktelep
 Tatai ut 53
 2821 Gyermely
 Phone +36 (34) 880546
 Fax +36 (34) 880547
hungary@struers.de

IRELAND

Struers Ltd.
 Unit 11 Evolution @ AMP
 Whittle Way, Catcliffe
 Rotherham S60 5BL
 Tel. +44 0845 604 6664
 Fax +44 0845 604 6651
info@struers.co.uk

ITALY

Struers Italia
 Via Monte Grappa 80/4
 20020 Arese (MI)
 Tel. +39-02/38236281
 Fax +39-02/38236274
struers.it@struers.it

JAPAN

Marumoto Struers K.K.
 Takanawa Muse Bldg. 1F
 3-14-13 Higashi-Gotanda,
 Shinagawa
 Tokyo
 141-0022 Japan
 Phone +81 3 5488 6207
 Fax +81 3 5488 6237
struers@struers.co.jp

16.04.2018 R02 / 62168505

NETHERLANDS

Struers GmbH Nederland
 Zomerdijk 34 A
 3143 CT Maassluis
 Telephone +31 (10) 599 7209
 Fax +31 (10) 5997201
netherlands@struers.de

NORWAY

Struers ApS, Norge
 Sjøskogenveien 44C
 1407 Vinterbro
 Telefon +47 970 94 285
info@struers.no

AUSTRIA

Struers GmbH
 Zweigniederlassung Österreich
 Betriebsgebiet Puch Nord 8
 5412 Puch
 Telefon +43 6245 70567
 Fax +43 6245 70567-78
austria@struers.de

POLAND

Struers Sp. z o.o.
 Oddział w Polsce
 ul. Jasnogórska 44
 31-358 Kraków
 Phone +48 12 661 20 60
 Fax +48 12 626 01 46
poland@struers.de

ROMANIA

Struers GmbH, Sucursala Bucuresti
 Str. Preciziei nr. 6R
 062203 sector 6, Bucuresti
 Phone +40 (31) 101 9548
 Fax +40 (31) 101 9549
romania@struers.de

SWITZERLAND

Struers GmbH
 Zweigniederlassung Schweiz
 Weissenbrunnstraße 41
 CH-8903 Birmsensdorf
 Telefon +41 44 777 63 07
 Fax +41 44 777 63 09
switzerland@struers.de

SINGAPORE

Struers Singapore
 627A Aljunied Road,
 #07-08 BizTech Centre
 Singapore 389842
 Phone +65 6299 2268
 Fax +65 6299 2661
struers.sg@struers.dk

SPAIN

Struers España
 Camino Cerro de los Gamos 1
 Building 1 - Pozuelo de Alarcón
 CP 28224 Madrid
 Teléfono +34 917 901 204
 Fax +34 917 901 112
struers.es@struers.es

FINLAND

Struers ApS, Suomi
 Hietalahdenranta 13
 00180 Helsinki
 Puhelin +358 (0)207 919 430
 Faksi +358 (0)207 919 431
finland@struers.fi

SWEDEN

Struers Sverige
 Box 20038
 161 02 Bromma
 Telefon +46 (0)8 447 53 90
 Telefax +46 (0)8 447 53 99
info@struers.se

UNITED KINGDOM

Struers Ltd.
 Unit 11 Evolution @ AMP
 Whittle Way, Catcliffe
 Rotherham S60 5BL
 Tel. +44 0845 604 6664
 Fax +44 0845 604 6651
info@struers.co.uk

USA

Struers Inc.
 24766 Detroit Road
 Westlake, OH 44145-1598
 Phone +1 440 871 0071
 Fax +1 440 871 8188
info@struers.com