

# M-Tech<sup>®</sup> Alignment Shims

Special designs and industry standard formats in high quality

Martin's design is based on industry standards. These alignment shims form the so-called „**Standard**“. On the other hand, the „**Non-standard**“ alignment shims offer innovative new variants. These are essentially characterized by their multi-layer material structure, which means very good handling, special precision and, in some cases, significantly lighter products.

## Advantages and options

- ✓ Attractive price-performance for refillable packages, cases and custom-made products
- ✓ Small, practical cases with mostly required shim dimensions
- ✓ M-Tech<sup>®</sup>V edge-welded alignment shims
- ✓ M-Tech<sup>®</sup>L laminated alignment plates
- ✓ Pre-cut shims in stainless steel, aluminum, plastic and brass
- ✓ Branding and special editions according to customer's requirements
- ✓ Grinded assortments
- ✓ Contours according to customer's specifications are also available

**Parts according to customer's drawing are also available:  
In various materials - from 5 micrometers to 10 mm**

designed,  
engineered &  
made in Germany

AS9100:D (EN 9100)  
ISO 9001  
ISO 14001



**Georg Martin GmbH**  
Martinstrasse 55  
63128 Dietzenbach  
Germany

## Standard shim kit

- M-Tech®S Solid alignment shims in stainless steel
- Thicknesses from 0.025 to 2.0 mm
- 5 variations in 380, 400, 420, 570 and 780 pieces
- Standard equipment but also individual cases or equipment requests for bulk buyers



## Non-standard shim kit „Light“

- M-Tech®V Edge-welded alignment shims in stainless steel
- M-Tech®L HP5 Laminated alignment shims in PET (manually peelable)
- M-Tech®S Solid alignment shims in stainless steel and POM
- 2 variations in 120 pieces

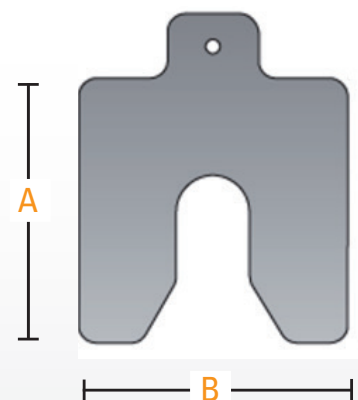


## Refill packages

- Mono material 10-piece-packages of alignment shims in different types, sizes and thicknesses
- All thicknesses from 0.025 to 3.0 mm in practical packaging
- Standard: Alignment shims in stainless steel
- Non-standard: Alignment shims in stainless steel, aluminium (high-strength), PET and POM



Length A x Width B [mm]	Choice of thicknesses [mm]
50 x 50	0,025 0,050 0,100 0,200 0,250 0,400 0,500 0,700 1,000 2,000 3,000
75 x 75	
100 x 100	
125 x 125	
200 x 200	

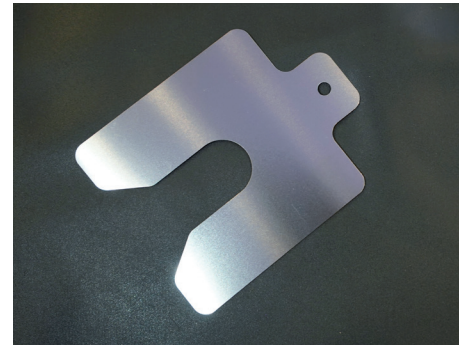


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## Standard variation

### M-Tech®S Solid shims in stainless steel AISI 304

- from 0,025 to 3,0 mm
- High resistance to compression
- Good chemical resistance



## Non-Standard variations

### M-Tech®V Edge-welded shims

- Stainless steel AISI 304
- 20x 0,05 mm NIRO plus 4x 0,025 mm
- Most flexible, precise version with maximum strength
- Easily separable by hand
- Foils stay flat and are reusable



### M-Tech®L HP5 Laminated shims

- PET
- 20x 0,05 mm PET plus 1x 0,025 mm
- Lightest and cheapest option
- High flexibility in application
- Removable by hand
- Foils stay flat and are reusable
- High chemical and mechanical resistance



### M-Tech®L HP1 High Precision laminated shims

- Stainless steel AISI 304
- 20x 0,05 mm + 1x 0,025 mm
- Easily peelable with M-Tech® Peeling file
- Good pressure resistance
- Complement to AISI 304 standard alignment shims



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## M-Tech®L HP3 High Precision laminated shims

- 20x 0,050 mm Aluminium alloy + 1x 0,025 mm Brass
- Easy peeled-off layer by layer
- Good pressure resistance
- Flexible and lightweight
- Hardness comparable to conventional laminated steel shims
- 2.9 times lighter than stainless steel
- Easily peelable with M-Tech® Peeling File
- Complement to solid shims
- High mechanical resistance



## M-Tech®S Solid alignment shims

- Aluminium AlMg3.0
- 1x 1,0 mm
- Complement to M-Tech®L HP3 High precision laminated shims
- Good mechanical resistance
- 3 times lighter than stainless steel



## M-Tech®S Solid alignment shims

- POM
- 1x 1,0 mm
- Complement to M-Tech®L Laminated shims PET
- Good mechanical resistance
- Light, electrically non-conducting

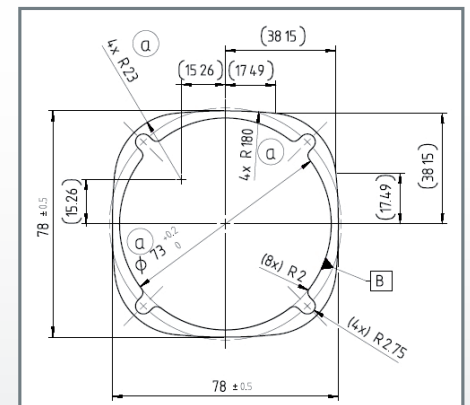


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Parts according to drawings  
and further product range:  
[www.passscheiben.info](http://www.passscheiben.info)



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We would be pleased to give a personal and individual advice:  
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