

mimatic®

Tool Systems

Your Partner For Clever Tooling

Axialstechen
Axial grooving



PolyMILL
Ø 5 - Ø 28

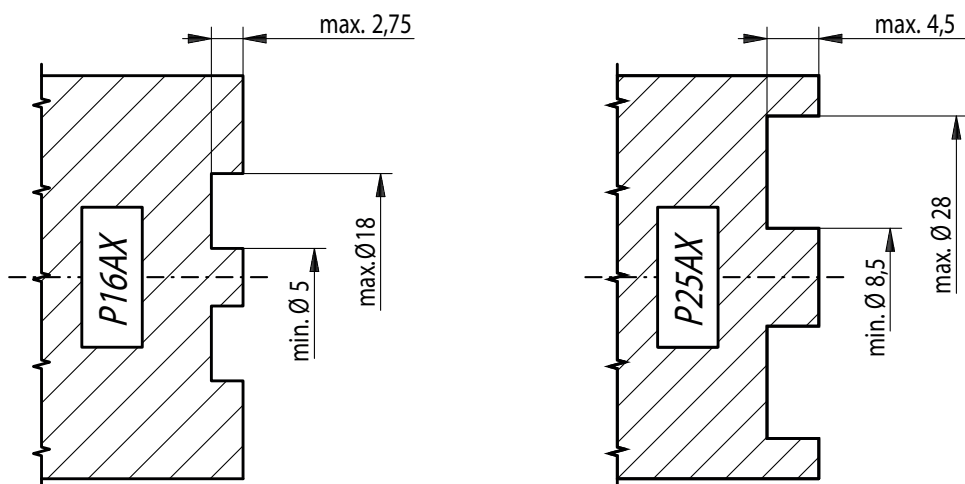
Hersteller von Präzisions-Werkzeugen seit 1974
Manufacturer of Precision Tools Since 1974

Axial Grooving

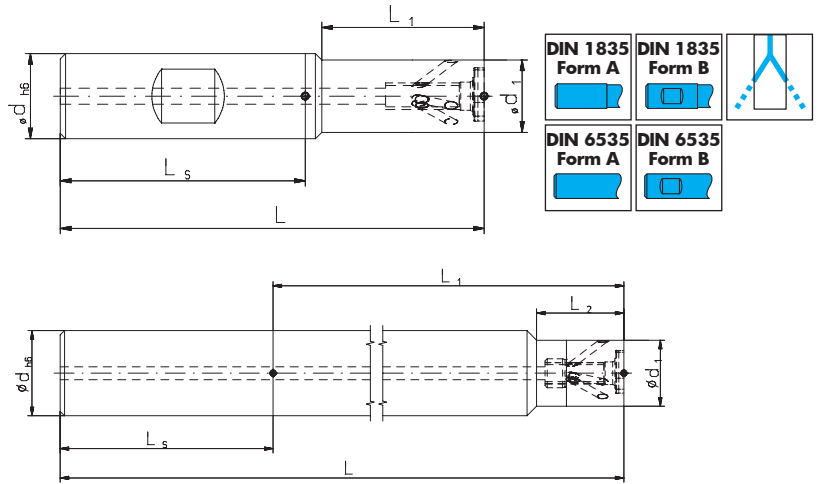


- **O-ring**
- **Felt rings**
- **Axial undercuts**
- **Fluid rings**
- **Sealing surfaces**
- **Valve seats**
- **Hydraulic blocks**
- **Caliper machining**
- **Tube end machining**
- **Clamping grooves**
- **Welding preparation & finishing**

Sinking range:



**P16AX
P25AX**



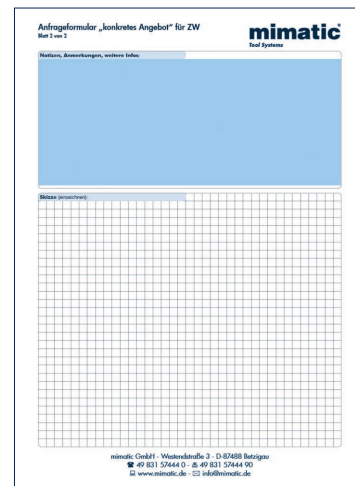
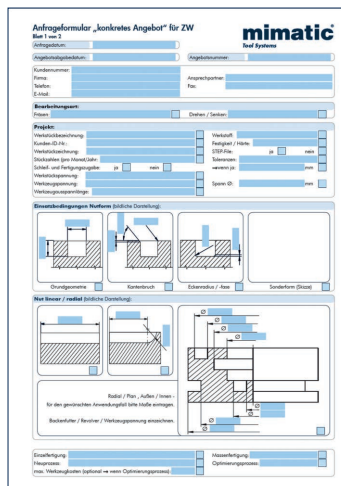
Typ	Order No.	Form	d h6 mm	d1 mm	D max. mm	S max. (D-d1)/2 mm	L mm	L1 mm	Shank	Spare part order no.	
										Screwdriver*	Screw *
P16	177174	A	10	9,0	17,7	4,35	60	11	Steel	T8 IP 111656	M3x12 143158
	123573	B	12	9,0	17,7	4,35	67,4	21	Steel		
	123577	B	12	9,0	17,7	4,35	67,4	21	HM		
	171787	A	12	9,0	17,7	4,35	67,4	21	HM		
	123580	B	12	9,0	17,7	4,35	82,4	36	HM		
	171789	A	12	9,0	17,7	4,35	82,4	36	HM		
	123584	A	12	9,0	17,7	4,35	100	30	HM		
	123588	A	12	12,0	17,7	2,85	82,4	-	HM		
	123590	A	12	12,0	17,7	2,85	122,5	-	HM		
P25	177182	A	16	13,6	27,7	7,05	69,6	20,4	Steel	T20 IP 111594	M5x13,5 107529
	123592	B	16	13,6	27,7	7,05	79,6	30,5	Steel		
	123598	B	16	13,6	27,7	7,05	79,6	30,5	HM		
	171855	A	16	13,6	27,7	7,05	79,6	30,5	HM		
	123600	B	16	13,6	27,7	7,05	94,6	45,5	HM		
	171857	A	16	13,6	27,7	7,05	94,6	45,5	HM		
	123603	B	16	13,6	27,7	7,05	109,6	60,5	HM		
	171859	A	16	13,6	27,7	7,05	109,6	60,5	HM		
	123609	A	16	15,5	27,7	6,1	105	21,5	HM		
	123611	A	16	15,5	27,7	6,1	149,5	21,5	HM		
	161205 NEW	A	20	15,5	27,7	6,1	95,45	45,5	HM		
	123613	A	20	15,5	27,7	6,1	175,45	21,5	HM		

Screw tightening torques max.
143158 T08 IP 1,1 Nm
107529 T20 IP 5,5 Nm

Inquiry form for groove machining

For a detailed inquiry on groove machining, please call up our PDF form that can be filled out directly and fax or e-mail it to:
info@mimatic.de

Anfrageformular:
www.mimatic.de/Nut_EN.pdf



Inquiry form specific quotation

Page 1 from 2

Inquiry date:

Duty date:

Quotation No.:

Customer No.:

Company: Contact person:

Phon: Fax:

E-Mail:

Machining:

Milling: Turning / countersinking:

Project:

Work piece description:

Customer-ID-No.:

Work piece drawing:

Amount per month / year:

Machining allowance: yes no

Workpiece clamping fixtures:

Tool clamping fixtures:

Tool unclamping lenght:

Material:

Strength / hardness:

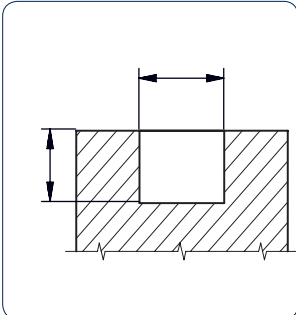
STEP-File: yes no

Tolerances:

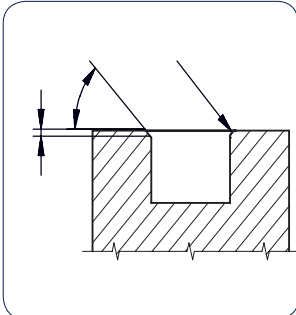
→if yes: mm

Clamping diameter: mm

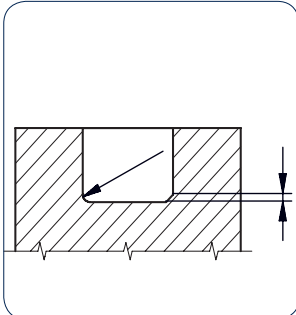
Operational conditions groove shape:



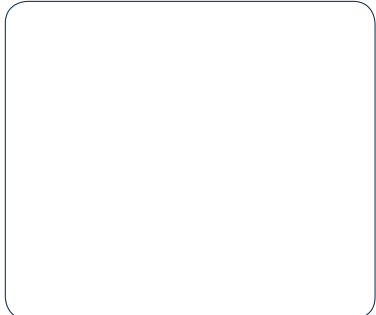
basic geometry



chamfer/radius

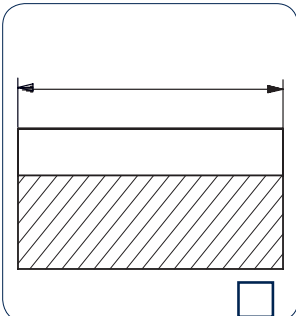


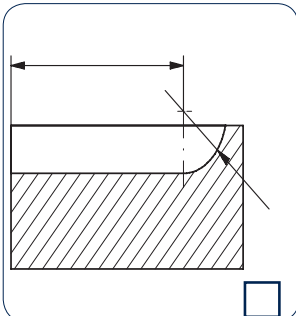
corner chamfer/radius

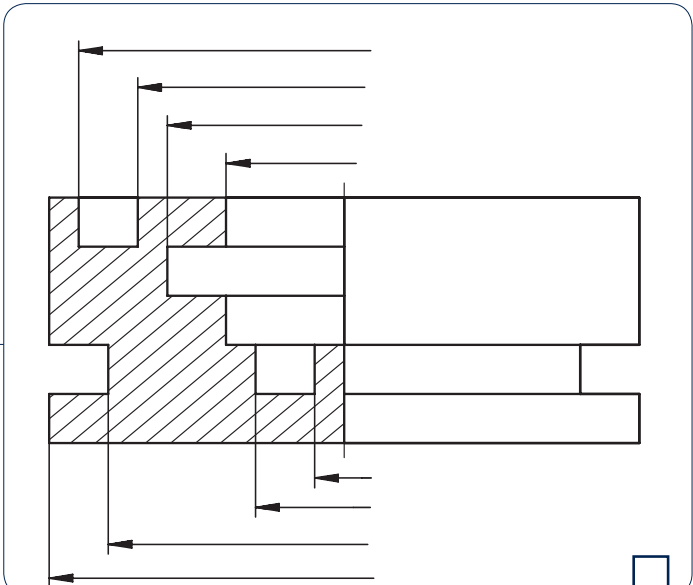


special shape

Groove straight / radial:







Radial- / Face- / outside- / inside- Ø
please enter dimensions for the desired application

Draw in → jaw chuck / revolver / tool clamping

Single production:

New process:

max. tool expenses (optional):

Mass production:

Optimize:

Inquiry form specific quotation

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Notes, comments, more Info:

Sketch:

PolyMILL

P16AX
P25AX

Axial Grooving

Brake caliper machining



Fluid rings



Pipe end machining



Valve seats



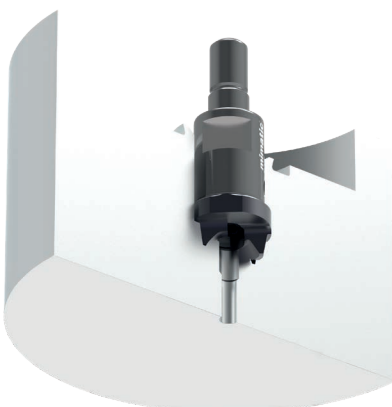
O-ring



Sealing surfaces

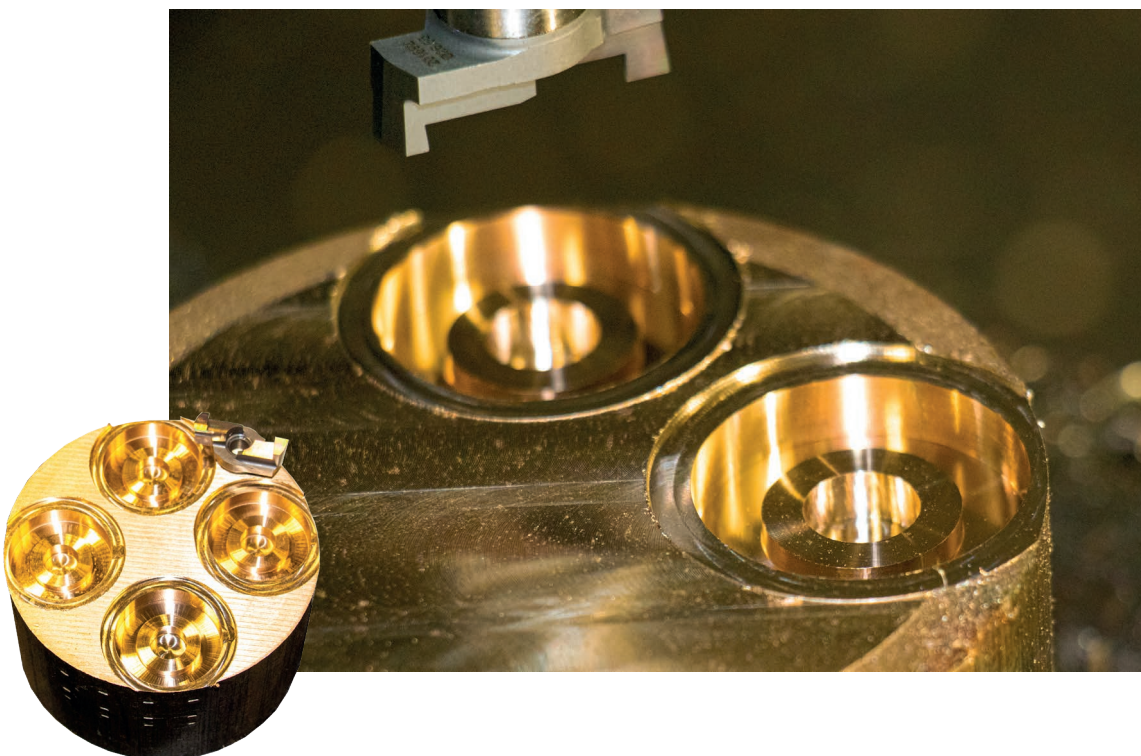


Hydraulic valve block:



PolyMILL

P16AX
P25AX



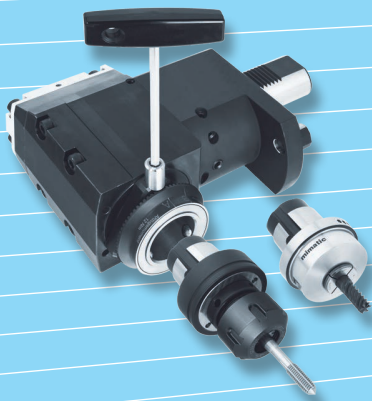
mimatic®

Tool Systems

Your Partner For Clever Tooling

- Zirkular- und Gewindefräswerkzeuge
- RPK-Reibahlen mit polygonaler Schnittstelle
- Angetriebene Werkzeuge für CNC-Bearbeitungszentren
- Angetriebene Werkzeuge für CNC-Drehmaschinen
- Mehrspindel-Technologie
- Modulare Werkzeugaufnahmen mimatic® mi
- Statische Werkzeugaufnahmen für CNC-Drehmaschinen
- Präzisions-Spannfutter
- Sonder-Zerspannungswerkzeuge

- Circular- and Thread Milling Tools
- RPK-Reamers with Polygonal Interface
- Driven Toolholders for CNC Machining Centers
- Driven Toolholders for CNC Turning Machines
- Multi-Spindle Technology
- Modular Quick Change Toolholders mimatic® mi
- Static Toolholders for CNC Turning Machines
- Precision Chucks
- Special Cutting Tools



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