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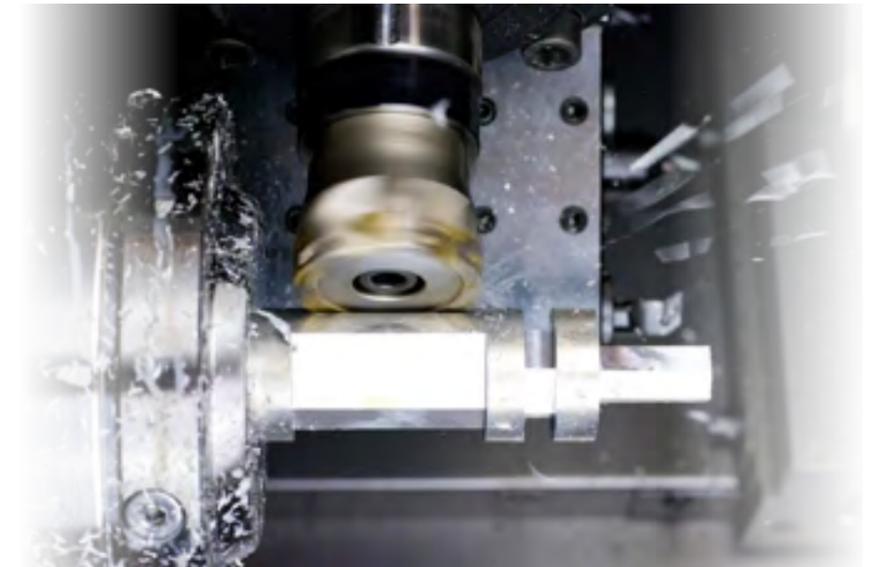
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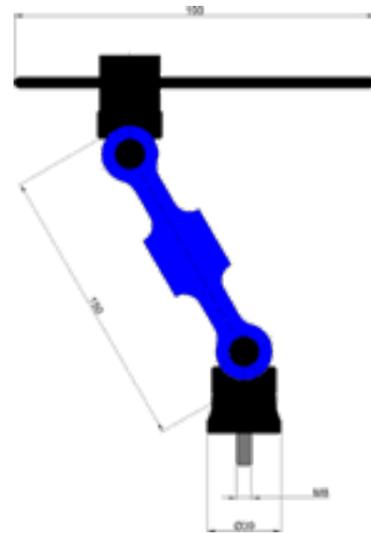
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# Clamping tools



precise. pioneering. worldwide.



**Side block**  
10 - 18 mm



**Combination element**  
to extend or to  
combine two stoppers

**Application:**

One of the various application of the workpiece stopper is as a versatile instrument for the positioning on processing machines or during assembly.

**Delivery includes:**

Workpiece stopper with slide block M8x12 and fitting hexagon key.

Article-No.	Description	Size
003420150	5D workpiece stopper	150
003400201	Combination element	
020080028	Slide block	M8 x 10
020140301	Slide block	M8 x 12
020140327	Slide block	M8 x 14
020153460	Slide block	M8 x 16
020153478	Slide block	M8 x 18



**NEW!**



**EasyMag**



**FlexiMag**



**Workpiece stopper with magnetic base**

With its built-in magnets the workpiece stopper gets fixed directly to a bench vice (for example) and applies for exact positioning of your workpiece. After clamping, it can simply be removed and releases the positioning surface for processing.

The FlexiMag version is also equipped with a flexible rotate and swivel mechanism and makes it possible to position in a wide variety of places.

Item-no.	Description	Shank	Holding force
003420001	FlexiMag - Workpiece stopper	Ø30	200 N
003420002	EasyMag - Workpiece stopper	Ø30	200 N



## Clamping bolts



**Quick setting with the clamping bolts:** move each single bolt without clamping screw into the slide block of the machine table and position the bolt by hand as a stopper at the workpiece. Tighten the clamping bolt and it automatically helps you to position the workpiece.

**Flexible for diverse workpiece shapes:** no matter if round, oval, quadratical or even pentagonal - with the help of the clamping bolts, you can clamp all forms.



**Safely fixed:** the clamping screws are added from above. They clamp the workpiece powerfully and securely. A soft exchangeable brass ring avoids damages or scratches at the workpiece.

**Drill-through:** there is not much disturbing space under the workpiece - no clamping jaws, no base, nothing is disturbing when you drill-through your workpiece with diverse divisions of pitch circles.

**The small disturbing contour** enables multi-purpose machining even at places which you normally hardly reach.





**Clamping bolt 50 mm**  
with thread  
M10 oder M12



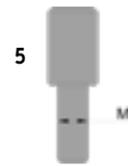
**Clamping bolt 100 mm**  
with exchangeable  
threaded bolt



**Clamping bolt 150 mm**  
with exchangeable  
threaded bolt



- 1 - clamping bolt
- 2 - spring washer
- 3 - clamping screw
- 4 - clamping ring
- 5 - threaded bolt



**Type:**  
Flexible clamping tool for direct clamping on the machine table with direct fixation in the T-slot. Precise tolerance classes guarantee parallel clamping to the machine table. For the bolts with length 100 mm and 150 mm, exchangeable threaded bolts are available. The clamping ring prevents a damage of the workpiece. Almost all types of flat workpieces can be clamped powerfully and precisely with these clamping bolts. The standard clamping range is 8-40 mm. With the clamping screws (available as spare part) it can be widened to a maximum of 87 mm.

**Scope of delivery for height 50 mm:**

Clamping bolts with fixed thread, ring & clamping screw with clamping ring

Article-No.	Description	Height	Thread
003000050	Clamping bolt	50 mm	M10
003M12050	Clamping bolt	50 mm	M12



**Scope of delivery for height 100 mm/150 mm:**

Clamping bolts, threaded bolt M10, ring & clamping ring with clamping screw

Article-No.	Description	Height	Thread
003000100	Clamping bolt	100 mm	M10
003000150	Clamping bolt	150 mm	M10



**Spare parts**

Article-No.	Description	Thread
003000Z00	Spring washer	-
003000Z02	Clamping ring	-
003000Z01	Clamping screw	8 mm - 40 mm
003000Z03	Clamping screw	40 mm - 67 mm
003000Z04	Clamping screw	65 mm - 87 mm
003000M10	Threaded bolt	M10
003000M12	Threaded bolt	M12
003000M14	Threaded bolt	M14
003000M16	Threaded bolt	M16



**Set of clamping bolts**

**Delivery includes:**

3 pcs. clamping bolts length 50 or 100, 3 pcs. clamping screw 40-67, 3 pcs. clamping screw 65-87, 1 pcs. The set is in a high-quality wooden case.

Article-No.	Description	Height	Thread
003990050	Clamping bolt set	50 mm	M10
003990100	Clamping bolt set	100 mm	M10



# External thread: quick - reliable - precise



Scan me  
Product video

**Impossible to produce external threads quicker!** Our video shows the comparison: with the help of our die holder, you cut M16 threads with 50 mm length in only 12 seconds. This is **3 times faster** as conventional thread chasing.

Additionally: a threading die has many blades - conventional thread chasing only one. This is why a defect blade at the die does not matter anymore. This optimizes your **process stability** extremely.

The die holder enables **precise and cylindrical threads** as you cut the thread in the die cylindrical. While chasing, the cutting pressure operates against the workpiece which can lead to vibrations, to evasion or even to conical threads.

The die holder is internally cooled: the coolant supply ensures that the workpiece is **permanently surrounded by coolant**. This leads to high-quality threads and as the coolant flushes away all chips.



Also available as cylindrical shank, SK40 or HSK63.



The **MINIflex**-holder has an axial and radial damping.



The damping compensates imprecisions of the control or run-out/positioning errors of a reamer.

Modular



External  
threading



Tapping



Reaming





Cylindrical shank

DIN69880 VDI

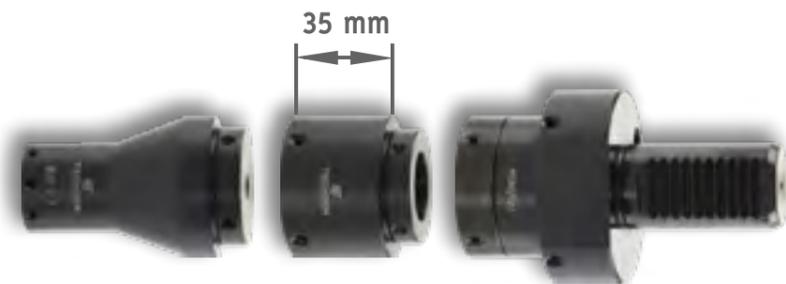
DIN69871 SK40

DIN69893 HSK63

Article-No.	Description	Shank	Length
OOSFLOZ20	Base holder MINIflex	∅20	55 mm
OOSFLOZ25	Base holder MINIflex	∅25	55 mm
OOSFLOZ32	Base holder MINIflex	∅32	55 mm
OOSFLOZ40	Base holder MINIflex	∅40	55 mm
OOSFLOV20	Base holder MINIflex DIN69880	VDI20	55 mm
OOSFLOV30	Base holder MINIflex DIN69880	VDI30	55 mm
OOSFLOV40	Base holder MINIflex DIN69880	VDI40	55 mm
OOSFLOV50	Base holder MINIflex DIN69880	VDI50	63 mm
OOSFLOS40	Base holder MINIflex DIN69871	SK40	58 mm
OOSFLOH63	Base holder MINIflex DIN69893	HSK63	71 mm



Extension



Article-No.	Description	Shank	Length
00SEH4035	Extension	-	35 mm



Die moduls

**Information:**  
Suitable dies can be found on catalogue page 71.

D = ∅ of the die  
L1 = Clamping length  
L2 = Usable length  
L3 = Width die

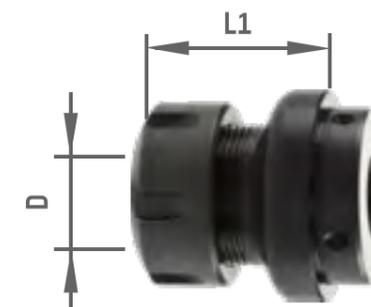
**Please note:**  
With an extension, you can extend the usable length (several times) about 35 mm.



Article-No.	Description	D	L1	L2	L3	Thread
00SEH1605	Exchange module	16	75	74	5	M1-M2,5
00SEH2005	Exchange module	20	75	74	5	M3-M4
00SEH2007	Exchange module	20	75	74	7	M5-M6
00SEH2509	Exchange module	25	75	74	9	M7-M9
00SEH3011	Exchange module	30	75	74	11	M10
00SEH3814	Exchange module	38	75	74	14	M12-M14
00SEH4518	Exchange module	45	85	84	18	M16-M20



ER moduls



Article-No.	Description	D	L1	clamping-∅
00SEHER25	Exchange module	ER25	43	∅2 - ∅16
00SEHER32	Exchange module	ER32	43	∅2 - ∅20



# Automate your lathe!



**You do not want to stand permanently at the machine and insert material?**

A bar gripper does this work for you. It automates your lathe - now your lathe is a fully automated production centre and saves money and time.

Easy and quickly, the bar gripper pulls the raw material and the machine goes on with the production directly. You do not need any expensive employees who add the material.

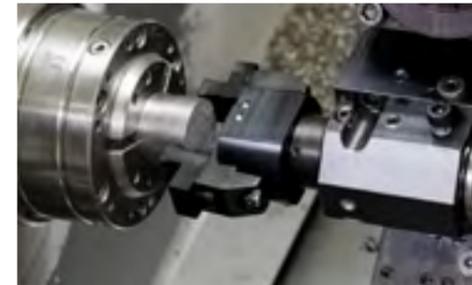
The bar gripper is available in diverse shank sizes - this is why you can use it on every lathe. Thanks to the flexible reversible jaws, it is usable in a wide clamping range which enables a wide range of applications.



Position the bar gripper in Z axis in front of the bar.



Scan me  
Product video



Now move onto the bar and open the chuck.



Pull the bar to the desired position in Z.



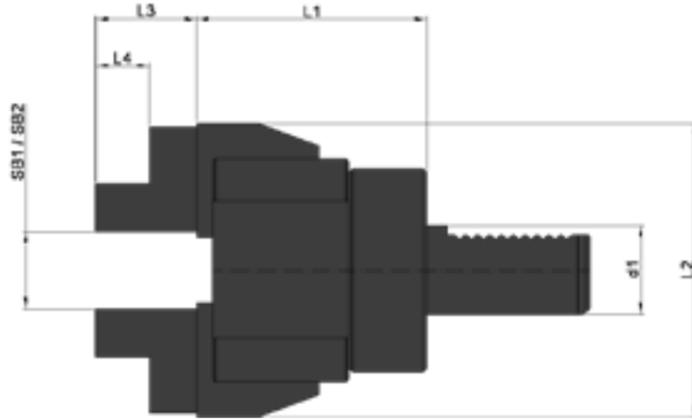
Close the chuck.



Move the bar puller in Z direction off the bar and start machining.

**Important note of safety:**

Please use appropriate reducing tubes in your spindle and make sure that the rotating bar does not protrude out of the machine.



Scan me  
Product video

**Delivery includes:**

Bar gripper, set of reversible clamping jaws

Bar gripper with VDI shank

Article-No.	Description	Shank	SB1	SB2	L1	L2	L3	L4
00STG2000	Bar gripper	VDI20	6-45	45-100	77	99	34	18
00STG3000	Bar gripper	VDI30	6-45	45-100	77	99	34	18
00STG4000	Bar gripper	VDI40	6-56	56-100	79	111	34	18
00STG5000	Bar gripper	VDI50	6-56	56-100	79	111	34	18

Bar gripper with cylindrical shank

Article-No.	Description	Shank	SB1	SB2	L1	L2	L3	L4
00STG20ZY	Bar gripper	∅20	6-45	45-100	77	99	34	18
00STG25ZY	Bar gripper	∅25	6-45	45-100	77	99	34	18
00STG32ZY	Bar gripper	∅32	6-45	45-100	77	99	34	18
00STG40ZY	Bar gripper	∅40	6-56	56-100	79	111	34	18

Spare parts

Article-No.	Description
00STG0001	Set of reversible clamping jaws



- The tool holder is disturbing?
- The milling tool is too short?
- Tools are clamped extremely long in order to be able to work with them? Collision ?!
- Vibrations ?!

**If you know these problems, we have small and helpful solutions for you!**

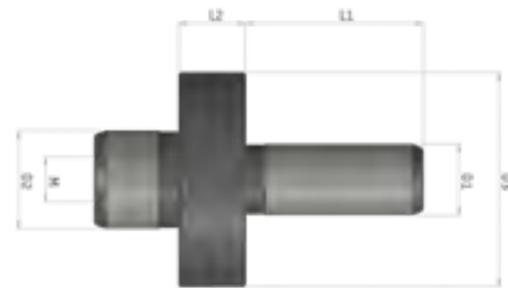


### Cylindrical clamping extensions



Article-No.	Description	D1 (shank)	D2 (weldon)	D3	L1	L2
00SPV1606	Clamping extension Ø6 - 60 mm	Ø16	Ø6	Ø18	40	60
00SPV1608	Clamping extension Ø8 - 60 mm	Ø16	Ø8	Ø20	40	60
00SPV1610	Clamping extension Ø10 - 60 mm	Ø16	Ø10	Ø23	40	60
00SPV1612	Clamping extension Ø12 - 60 mm	Ø16	Ø12	Ø25	40	60
00SPV1616	Clamping extension Ø16 - 60 mm	Ø16	Ø16	Ø29,5	40	60
00SPV2606	Clamping extension Ø6 - 30 mm	Ø16	Ø6	Ø18	40	30
00SPV2608	Clamping extension Ø8 - 30 mm	Ø16	Ø8	Ø20	40	30
00SPV2610	Clamping extension Ø10 - 30 mm	Ø16	Ø10	Ø23	40	30
00SPV2612	Clamping extension Ø12 - 30 mm	Ø16	Ø12	Ø25	40	30

### Clamping extension milling head



Article-No.	Description	D1 (shank)	D2	D3	L1	L2
00SPM1638	Clamping extension Ø40	Ø16	Ø16	Ø38	40	15
00SPM1648	Clamping extension Ø50	Ø16	Ø22	Ø48	40	15
00SPM2058	Clamping extension Ø63	Ø20	Ø27	Ø58	40	20
00SPM2578	Clamping extension Ø80	Ø25	Ø32	Ø78	40	32

### Clamping extension collet chuck ER16



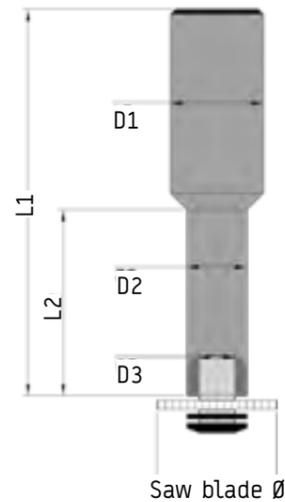
Article-No.	Description	D1 (shank)	DIN6499	D3	L1	L2
00SPE1601	Clamping extension ER16	Ø16	ER16	Ø21,8	60	30
00SPE1602	Clamping extension ER16	Ø16	ER16	Ø21,8	100	30



**Also usable on milling machines!**



Saw blade holders



**Information:**  
Suitable saw blades can be found on catalogue page 70.

**Application:**  
For precise holding of saw blades.

**Type:**  
With parallel shank for a fixture in plain chuck jaws, high true running accuracy.

**! Now available with smaller shank sizes!**



	Article-No.	Description	L1	L2	D1	D2	D3
<b>NEW</b>	0000S1020	Saw blade Ø20	75	30	Ø10	Ø10	Ø5
	0000S2020	Saw blade Ø20	90	30	Ø20	Ø10	Ø5
<b>NEW</b>	0000S1025	Saw blade Ø25	88	48	Ø10	Ø13	Ø8
	0000S2025	Saw blade Ø25	100	42	Ø20	Ø13	Ø8
<b>NEW</b>	0000S1032	Saw blade Ø32	93	53	Ø10	Ø16	Ø8
	0000S2032	Saw blade Ø32	105	53	Ø20	Ø16	Ø8
<b>NEW</b>	0000S1040	Saw blade Ø40	100	60	Ø10	Ø19,5	Ø10
	0000S2040	Saw blade Ø40	110	60	Ø20	Ø19,5	Ø10
<b>NEW</b>	0000S1650	Saw blade Ø50	126	78	Ø16	Ø24,5	Ø13
	0000S2550	Saw blade Ø50	136	78	Ø25	Ø24,5	Ø13
<b>NEW</b>	0000S1663	Saw blade Ø63	126	78	Ø16	Ø24,5	Ø16
	0000S2563	Saw blade Ø63	136	78	Ø25	Ø24,5	Ø16
<b>NEW</b>	0000S2080	Saw blade Ø80	142	92	Ø20	Ø34	Ø22
	0000S2580	Saw blade Ø80	150	92	Ø25	Ø34	Ø22
<b>NEW</b>	0000S2010	Saw blade Ø100	142	92	Ø20	Ø39,5	Ø22
	0000S2510	Saw blade Ø100	150	92	Ø25	Ø39,5	Ø22

Saw blade holder set



**Delivery of saw blade holder set includes:**  
Saw blade holders in following sizes: Ø20, Ø25, Ø32, Ø40, Ø50 und Ø63, with all keys in a suitcase.

Article-No.	Description
0000S0020	Saw blade holder set

Spare parts

Article-No.	Description	Size
0101S2020	Spare spring washer for saw blade	Ø20
0101S2025	Spare spring washer for saw blade	Ø25
0101S2032	Spare spring washer for saw blade	Ø32
0101S2040	Spare spring washer for saw blade	Ø40
0101S2550	Spare spring washer for saw blade	Ø50
0101S2563	Spare spring washer for saw blade	Ø63
0101S4080	Spare spring washer for saw blade	Ø80
0101S4010	Spare spring washer for saw blade	Ø100
0102S2020	Spare screw for saw blade	Ø20
0102S2025	Spare screw for saw blade	Ø25
0102S2032	Spare screw for saw blade	Ø32
0102S2040	Spare screw for saw blade	Ø40
0102S2550	Spare screw for saw blade	Ø50
0102S2563	Spare screw for saw blade	Ø63
0102S4080	Spare screw for saw blade	Ø80
0102S4010	Spare screw for saw blade	Ø100



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# Assembly system



precise. pioneering. worldwide.



The assembly system is **flexible**: all popular adapter types and sizes are available and offer a quick and precise handling of your tools. The change of the adapters is easy and simple – you can mount your tools holders within seconds.

The assembly system is not only time-saving but also helps you to have long-lasting tool holders: thanks to our unique technology, the tool holder is not clamped at its precise conus - the conus is free. This is safer for your tool holders and no damages ensure a precise processing of the parts you have to manufacture.

As the adapter is **rotatable**, you can turn your tool at any time within seconds to the desired position. This enables **ergonomic** and healthy working conditions.

Also **job safety** is important. All adapters have been developed to guarantee form-closed and safe fixation of the tool holders. It is not possible to slip off, even not with a lot of power. This prevents accidents and injuries.





**! modular & rotatable**

DIN69880  
VDI



DIN69871  
SK



DIN69893  
HSK-A



ISO26623  
PSC



**Type**

- aluminum body
- 4 x 90° revolving
- modular tool holders made of steel
- quick and easy exchange system
- high flexibility
- interlocking fixation of the tools
- conus cannot be damaged
- minimum space required
- optimal ergonomics
- quick and safe tool exchange within seconds



**Basic unit**

Article-No.	Description
004000000	Assembly system basic unit



**Adapter**

Article-No.	Description	Norm	Size
004100130	Adapter	DIN69871, JIS B	SK30
004100140	Adapter	DIN69871, JIS B, DIN2080	SK40
004100150	Adapter	DIN69871, JIS B, DIN2080	SK50
004100540	Adapter	DIN69893	HSK40-A
004100550	Adapter	DIN69893	HSK50-A
004100563	Adapter	DIN69893	HSK63-A
004100580	Adapter	DIN69893	HSK80-A
004100510	Adapter	DIN69893	HSK100-A
004100620	Adapter	DIN69880	VDI20
004100625	Adapter	DIN69880	VDI25
004100630	Adapter	DIN69880	VDI30
004100640	Adapter	DIN69880	VDI40
004100650	Adapter	DIN69880	VDI50
004100C32	Adapter	ISO26623	PSC32
004100C40	Adapter	ISO26623	PSC40
004100C50	Adapter	ISO26623	PSC50
004100C63	Adapter	ISO26623	PSC63
004100C80	Adapter	ISO26623	PSC80

