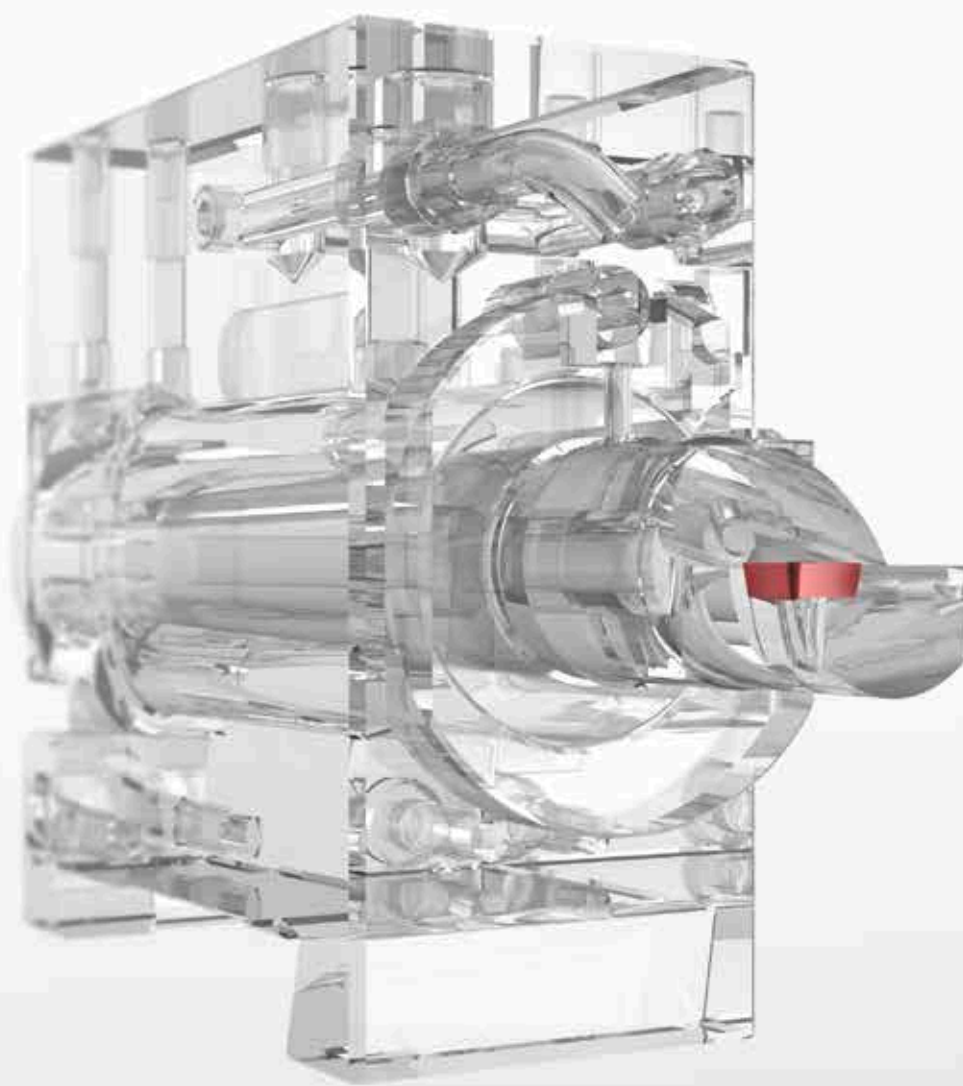


# MEX<sup>®</sup>turn

Center height to the nearest  $\mu\text{m}$



MEX<sup>®</sup>turn



### **PEOPLE**

Cooperate in fair partnership



### **AMBITION**

Question yesterday to provide new solutions for today and tomorrow



### **SYNERGY**

Share our strength

# Corporate philosophy

## **PEOPLE – AMBITION – SYNERGY**

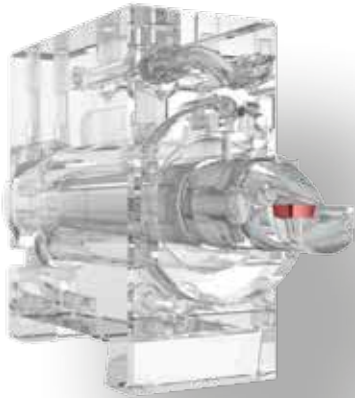
These 3 components are the foundation for the success of MAS GmbH.

Trust the experts with more than 40 years of experience in cutting technologies. The specialists with the most modern equipment for the development, design and manufacture of tools. The partners who discover synergies between man and technology and who are able to harness them for your success.

The utmost objective of every project is our customers' and partners' success. Our own success goes hand in hand.

This is and will remain our guide for the future!





## Benefits and Features

- Center height fast adjustable under 0,01 mm by an excenter system  
Variation of center height for optimizing purposes possible

---

- Holders for div. machine types, f.i. linear-, turret-, multi-spindle-lathe  
Special holders for customer requirements fast and cost-effectively realisable

---

- Presetable Quick-change-system  
With center coolant

---

- Vibration damped characteristics, from experience: higher tool life,  
better surfaces, greater diameter-length-ratio possible  
→ higher process reliability

---

- Minimal tool overhang possible  
Tool clamping in the base body

---

- Highest flexibility  
Quick setup by separate adjusting of center height at multi-holders

---

- Clamping of high frequency spindles (HFS) Ø 25,4 and Ø 33 mm possible

---

# The Genesis of MEX<sup>©</sup>turn

Clamping using a hydraulic eccentric bushing minimizes tooling up times

How our innovative MEX clamping system was born out of instructive practical experience and thorough knowledge of engineering design

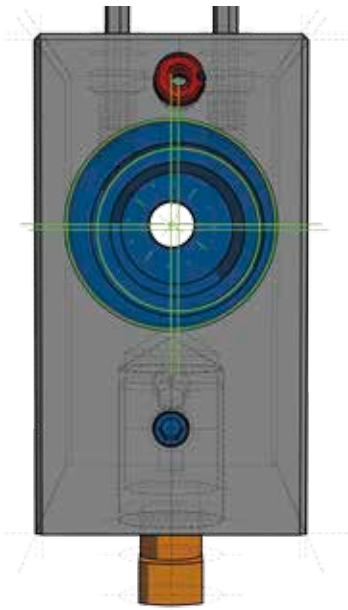


It was a typical situation: Manufacturing assignments had been scheduled, and this meant replacing the tools and the tool holders on several linear machines. As the contract manufacturer was able to keep the lathes working to full capacity during all shifts and from Sunday to Friday, there was only one day available for tool changing: the Saturday. Steffen Schmigalla, who with his brother Jochen represents the MAS management board, as well as our Technical Director Thomas Mörk, provided support to the contract manufacturer's machine setters during the work that it entailed.

It turned out, however, that adjusting the tool holders with the tools being used was extremely difficult and complicated. The normal holders with wedges could only be set inexactly by hand or using setting screws. Also, while clamping the tool the clamping screws exert so much force that the tool moves away from its set position. In the end, adjusting the tools at center height to an accuracy of 0.01 mm and clamping them firmly only succeeded after several hours and a great deal of trial and error.

As Thomas Mörk and the contract manufacturer's specialists realized, this adds up to an unacceptable amount of effort. "We have a highly-developed machine technology that has cost the company around half a million euros per machine, but when it comes to the tool clamping system we have to apply simple, almost primitive mechanical solutions that only deliver the required results thanks to the specialist staff's dexterity and patience. In many cases achieving the degree of precision is pretty much a question of chance," as Thomas Mörk summarizes his experience. He and Steffen Schmigalla left the contract manufacturer with a queasy feeling. For them it was simply not acceptable to leave a customer alone with that kind of headache.

And that is why Thomas Mörk, together with some of our specialists, worked out how to develop a significantly more sophisticated clamping system. The system was to feature dependable repeatability. It had to be operated easily, fast and reliably. And the result – accuracy to less than 0.01 mm while adjusting the tools to center height – was to be possible independently of the machine setter's dexterity and effort.



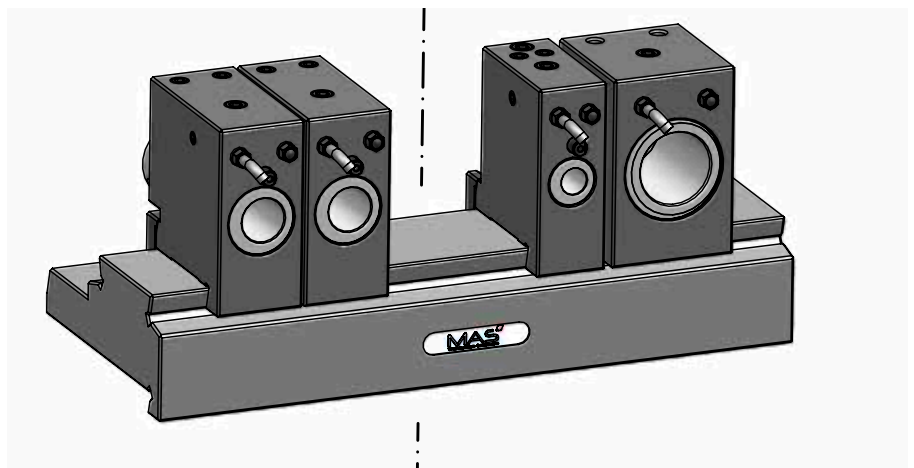
Thomas Mörk systematically compared the advantages and disadvantages of a large number of possible clamping systems. Mechanical devices are easy to set up and can be manufactured especially cheaply. However, it is difficult to achieve the required positioning precision. Also, using pressure screws for clamping unavoidably pushes the tool out of the exact position.

Systems that can avoid these disadvantages are either very bulky with a long overhang, or they can only be used with manufacturer-specific tool and holder interfaces. So such systems cannot be universally and flexibly deployed for all tools and on different turning machines. But Thomas Mörk wanted to be able to provide all manufacturing facilities with a stable and nevertheless highly precise holder system. Through these methodical comparisons of different concepts and functional principles it emerged that clamping by hydraulic means and using an eccentric bushing fulfills all the requirements and conditions. The investigations then crystallized into the MEX clamping system.

It clamps all tools with round shanks, which can also have a clamping surface. The clamped tool shanks are largely enclosed by the stable clamping block, with only minimal overhang. This ensures the greatest possible rigidity. The hydraulic clamping system clamps the tools reliably and centered without shifting them during the clamping process. The clamping pressure is applied uniformly to the eccentric bushing and a reducer sleeve or collet chuck as well as to the tool – from all sides. The machine setter can adjust the center height very exactly and with a precision of better than 0.01 mm by means of the eccentric bushing. To ensure repeatability when tools are removed and replaced there is a clamping ring with positioning pin that is fixed to the tool shank or collet chuck the first time the tool is adjusted. This makes MEX a sophisticated, innovative quick-clamping system for universal application with linear automatic lathes.

Read more about the standard sizes, the clampable tool lengths and diameters as well as the options available for our universal and flexible MEX quick-clamping system in the following catalog presentation.

MEX®turn



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MEX<sup>®</sup>turn

# MEX<sup>©</sup>turn

## Overview

Machine	Type	Order number	Socket/ Bore	Tension position	Stock	Page	
BENZINGER	Mμ Future	MEX20-BE-1-S411H	ø20	1	●	10	
	Go Future	MEX25.4-BE-1-S532H	ø25,4	1	○	11	
BENZINGER special solution		MEX20-BE-8-S372	ø20	8	○	14	
CITIZEN	Miyano BNA-34/42	MEX20-BNA-2-S567H	ø20	2	○	16	
CITIZEN special solution	M32	MEX12-M32-1-S367H	ø12	1	○	16	
DMG MORI	Wasino G07 / T-Nut	MEX20-WAS-5-Z356	ø20	5	○	20	
DOOSAN	TT1500 / 1800	MEX20-DO-1-Z494	ø20	1	●	18	
HARDINGE	GT27	MEX20-GT27-1-S385H	ø20	1	●	24	
INDEX	MS16	MEX12-MS16-3-Z296	ø12	3	●	26	
	MS22	MEX12-MS22-1-S620H	ø12	1	○	27	
		MEX12-MS22-2-S618H	ø12	2	●	28	
		MEX12-MS22-3-S298H	ø12	3	●	29	
		MEX20-MS22-1-S619H	ø20	1	●	30	
		MEX20-MS22-1-S479H	ø20	1	●	31	
		MEX20P-MS22-1-Z17	ø20	1	○	32	
		MEX20-MS22-2-Z5	ø20	2	●	33	
		MEX20-MS22-2-S595H	ø20	2	●	34	
		MEX20P-MS22-2-Z18	Quill ø20	2	○	35	
		MEX20-MS22-2-S553H	ø20	2	●	36	
		MEX25.4-MS22-1-S377H	ø25,4	1	○	37	
		MEX28.5-MS22-VX-S387H	ø28,5	1	○	38	
		MEX28.5-MS22-1-Z72	ø28,5	1	●	39	
		MEX28.5-MS22-2-Z73	ø28,5	2	●	40	
		MEX33-MS22-1-S611	ø33	1	●	41	
		MEX33-MS22-1-S539H	ø33	1	●	42	
		MEX36-MS22-1-S292H	ø36	1	●	43	
		MEX36-MS22-1-S615H	ø36	1	●	44	
		MEX36-MS22-2-S297H	ø36	2	●	45	
	MS32	MEX12-MS32-3-S259H	ø12	3	●	46	
		MEX20-MS32-VX80-Z529	ø20	1	○	47	
		MEX20-MS32-1-Z187	ø20	1	●	48	
		MEX20-MS32-2-Z205	ø20	2	●	49	
		MEX33-MS32-1-S463H	ø33	1	●	50	
		MEX33-MS32-1-S519H	ø33	1	●	51	
		MEX33-MS32-1-S540	ø33	1	●	52	
		MEX36-MS32-1-Z15	ø36	1	●	53	
		MEX36-MS32-VX-S384H	ø36	1	○	54	
	MEX36-MS32-2-Z16	ø36	2	●	55		
	MS40	MEX20-MS40-3-S491H	ø20	3	●	56	
	MS52	MEX12-MS52-2-S365H	ø12	2	○	57	
		MEX12-MS52-3-S366H	ø12	3	○	58	
	INDEX special solution	MS22	MEX12-MS22-2-S541H	ø12	2	○	59
			MEX12-MS22-3-S551H	ø12	3	○	60
			MEX20-MS22-2-S626H	ø20	2	○	61
		MS40	MEX12-20-MS40-3-Z32	ø12	3	○	61
		MS32P	MEX12-MS32P-3-S284H	ø12	3	○	62



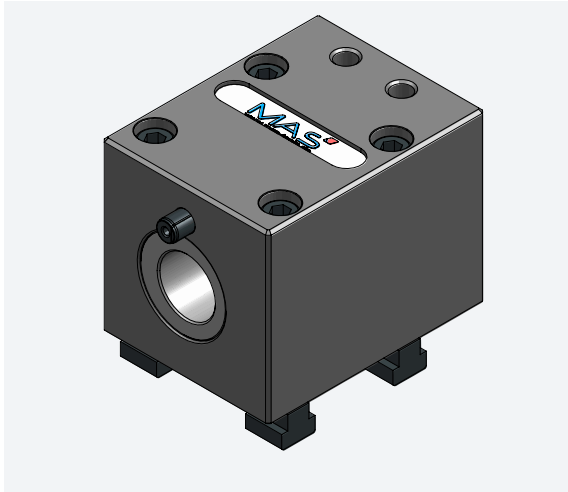
Machine	Type	Order number	Socket/ Bore	Tension position	Stock	Page
KUMMER	Verzahnung	MEX12-KU-1-Z304	ø12	1	●	68
		MEX20-KU-1-S405H	ø20	1	●	69
		MEX20-KU-3-Z207	ø20	3	○	70
		MEX20-KU-4-S583H	ø20	4	○	71
		MEX33-KU-1-S633H	ø33	1	●	72
MIKRON	NX24	MEX20-NX24-1-S512	ø20	1	○	74
NAKAMURA	TW 10M	MEX20-TW10M-1-S577H	ø20	1	○	76
		MEX20-TW10M-1-S559H	ø20	1	○	76
	WT 100	MEX20-WT-1-S566H	ø20	1	○	77
SCHÜTTE	SCX	MEX20-SCX-1-S352H	ø20	1	○	78
		MEX20-SCX-1-S368H	ø20	1	○	78
		MEX20-12-SCX-2-S525H	ø12 / ø20	2	●	79
		MEX20-12-SCX-2-S548H	ø12 / ø20	2	●	79
		MEX20-12-SCX-2-S549H	ø12 / ø20	2	●	80
		MEX20-12-SCX-2-S550H	ø12 / ø20	2	○	80
		MEX33-SCX-1-S552H	ø33	1	●	81
		MEX33-SCX-1-S579H	ø33	1	○	81
SPINNER	PD32 / PD42	MEX20-SP-1-S400H	ø20	1	●	82
STOPP	ST	MEX20-ST-1-S557	ø20	1	○	84
		MEX20-ST-1-S517H	ø20	1	○	84
	AUTO-TURN	MEX20-STP-1-S571H	ø20	1	○	85
	AUTO-TURN / FLEX-TURN	MEX20-STP-7-Z495	ø20	7	○	86
	FLEX-TURN	MEX20-STP-5-S440H	ø20	5	○	87
STOPP special solution	AUTO-TURN	MEX20-STP-3-S602H	ø20	3	○	88
TAKAMAZ	XW-50 Axial	MEX12-XW50REV-AXI-S328H	ø12	1	○	90
		MEX12-XW50REV-AXI-2-S515H	ø12	2	○	91
	XL-150 / XC-150	MEX20-XL150-1-Z19	ø20	1	○	92
	XW50-Radial	MEX12-XW50REV-RAD-S327H	ø12	1	○	93
TORNOS	DECO 10	MEX12-DECO10-4-S369H	ø12	4	○	94
	MULTIDECO 266	MEX20-266-1-S439	ø20	1	○	94
TSUGAMI	G220 / T-Groove	MEX20-TS-1-Z202	ø20	1	○	96

● Further manufacturers on demand.

● in stock ○ on request

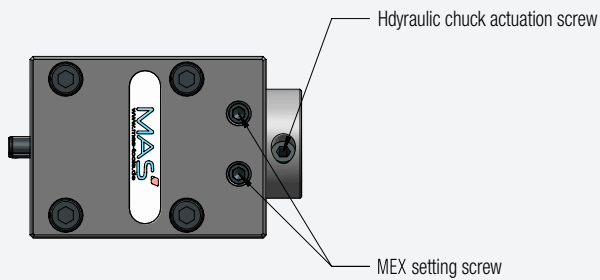
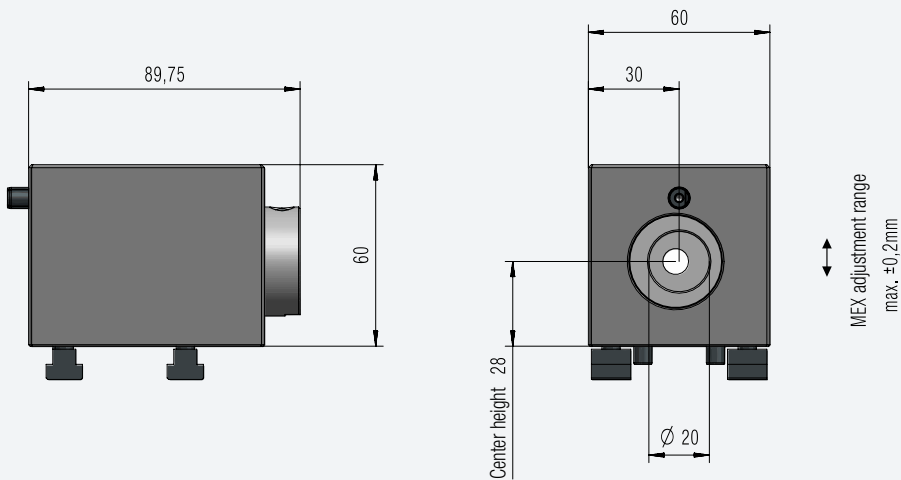
MEX®turn

### MEX-holder 1x / clamping $\varnothing 20$ mm



MAS-ID	Order number	Stock
Z00 000 125	MEX20-BE-1-S411H	●

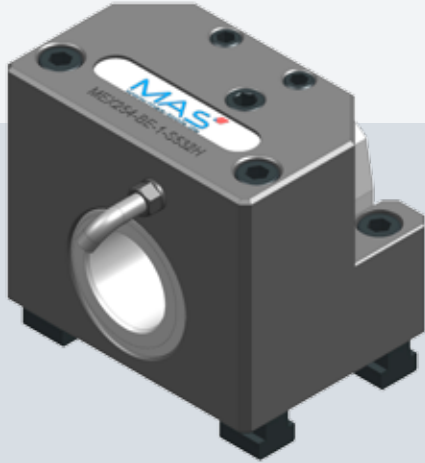
Accessories, see from page 110 ● in stock ○ on request



# BENZINGER

Go Future

## MEX-holder 1x / HFS $\varnothing 25,4$ mm

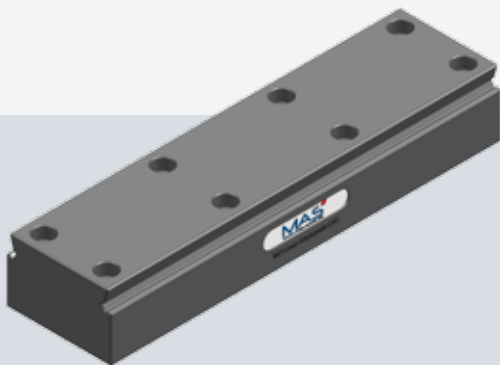


Order number	Stock
MEX25.4-BE-1-S532H	<input type="radio"/>

Accessories, see from page 110  in stock  on request

Go Future

## Adapter plates for MAS-dovetail



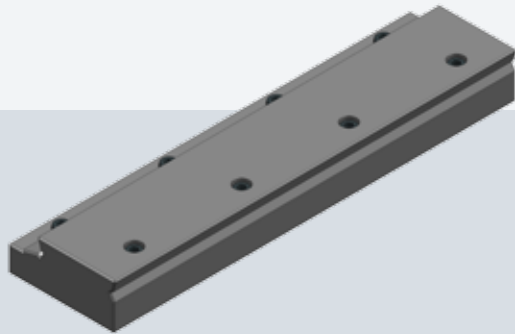
Order number	Length	Total center height	Stock
MEX linear adapter plate-S353	230 mm	70,5 mm	<input checked="" type="radio"/>

Accessories, see from page 110  in stock  on request

- The dovetailed panels are specifically adapted for your machine!
- Actual center height has to be checked!

MEX<sup>®</sup>turn

### Adapter plates for MAS-dovetail



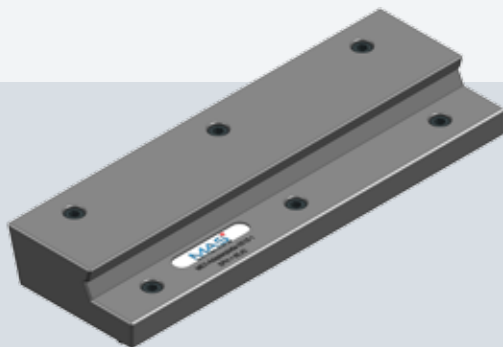
Order number	Length	Total center height	Stock
ADP-Z51	300 mm	66,5 mm	<input type="radio"/>

Accessories, see from page 110  in stock  on request

- The dovetailed panels are specifically adapted for your machine!
- Actual center height has to be checked!

## TNL

### Adapter plates for MAS-dovetail

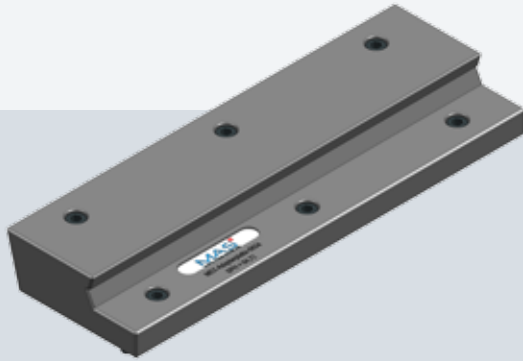


Order number	Length	Total center height	Stock
ADP-Z164	260 mm	65.42 mm	<input type="radio"/>

Accessories, see from page 110  in stock  on request

- The dovetailed panels are specifically adapted for your machine!
- Actual center height has to be checked!

### Adapter plates for MAS-dovetail



Order number	Length	Total center height	Stock
ADP-Z165	260 mm	64,72 mm	<input type="radio"/>

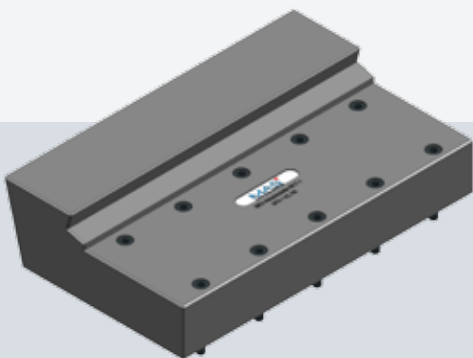
Accessories, see from page 110

in stock  on request

- The dovetailed panels are specifically adapted for your machine!
- Actual center height has to be checked!

## TCM-S

### Adapter plates for MAS-dovetail



Order number	Length	Total center height	Stock
ADP-Z163	250 mm	92.155 mm	<input type="radio"/>

Accessories, see from page 110

in stock  on request

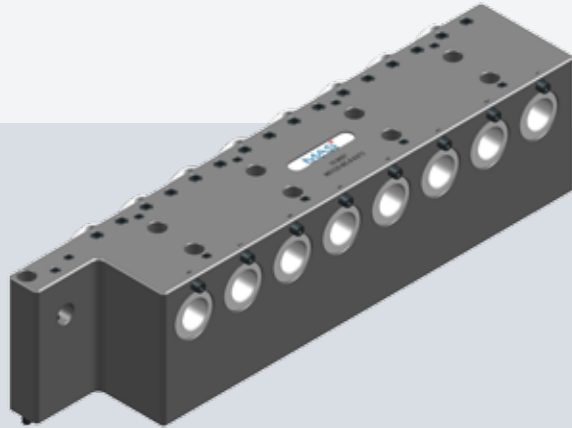
- The dovetailed panels are specifically adapted for your machine!
- Actual center height has to be checked!

MEX<sup>®</sup>turn

# BENZINGER special solutions

Go Future

## MEX-multi-holder / clamping $\varnothing 20$ mm

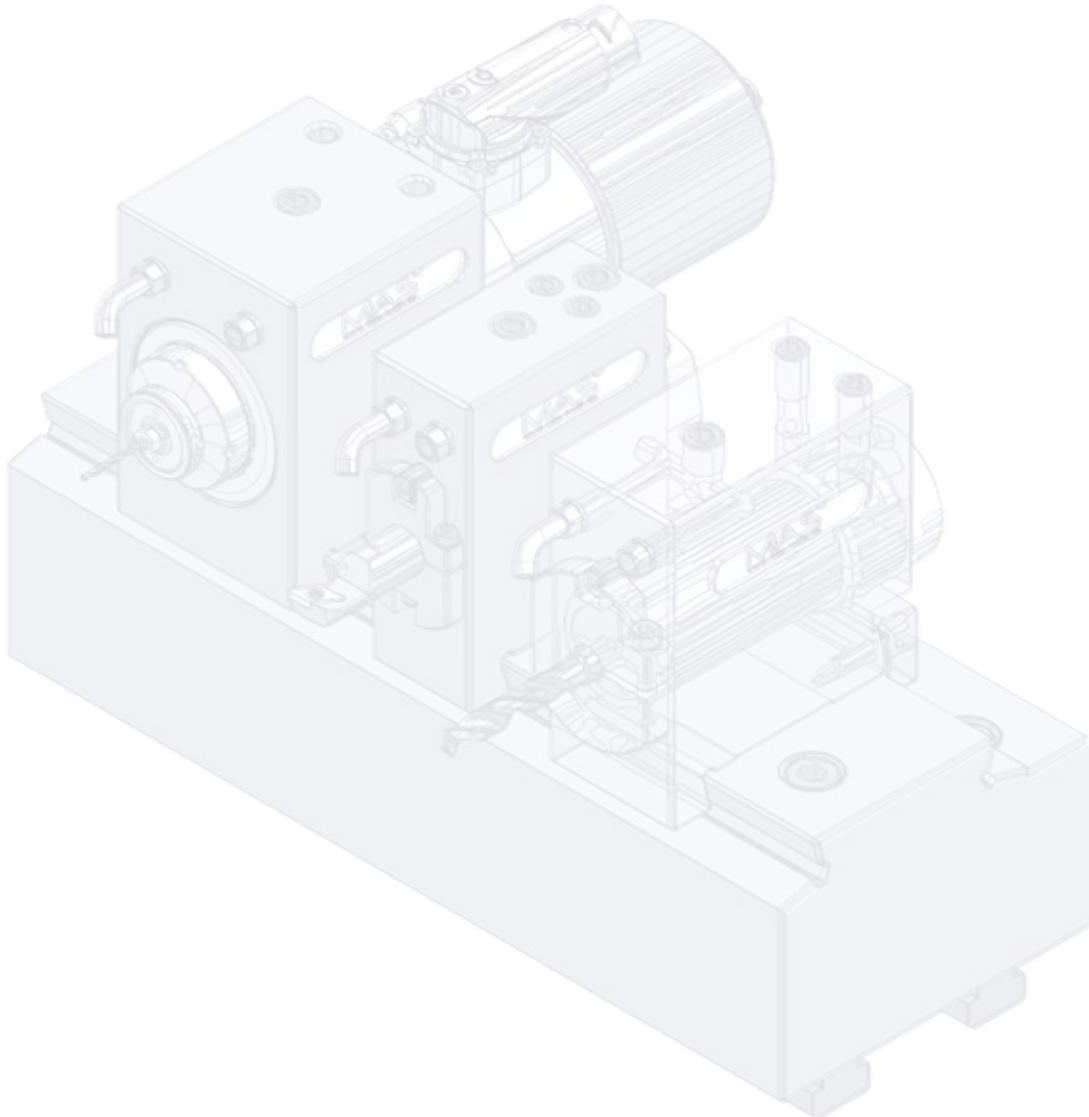


Order number	Stock
MEX20-BE-8-S372	<input type="radio"/>

Accessories, see from page 110  in stock  on request

- Multi-holder including measuring probe
- Clamping point
- Internal cooling via MEX20 sleeve

- On request also available other adapter plates and special solutions.



# NOTES

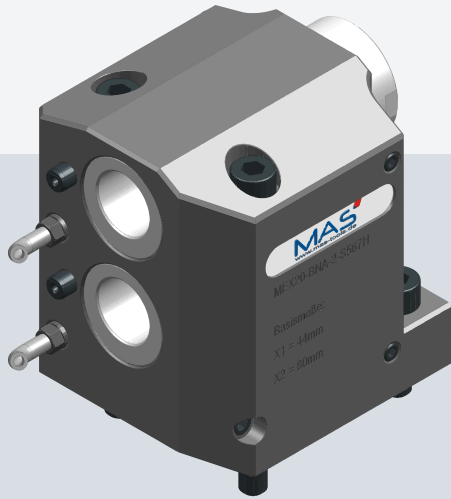
A large rectangular area filled with a grid of small, light gray dotted lines, intended for writing notes. The grid covers most of the page's width and height.

MEX<sup>®</sup>turn

# CITIZEN

Miyano BNA-34/42

## MEX-holder 2x/ clamping $\varnothing$ 20 mm



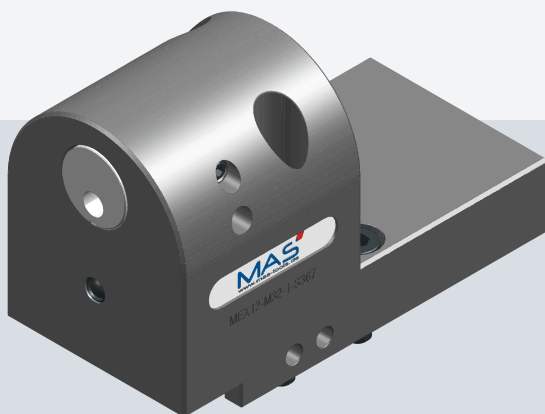
Order number	Stock
MEX20-BNA-2-S567H	<input type="radio"/>

Accessories, see from page 110  in stock  on request

# CITIZEN special solutions

M32

## MEX-holder 1x/ clamping $\varnothing$ 12 mm



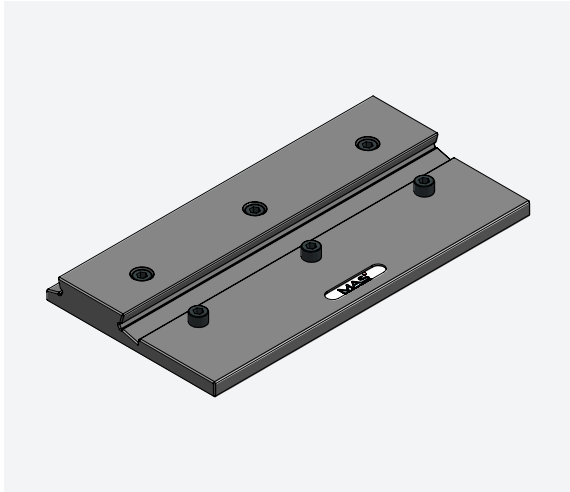
Order number	Stock
MEX12-M32-1-S367H	<input type="radio"/>

Accessories, see from page 110  in stock  on request

- Incl. eccentric adjustment in holder to compensate for misalignments
- Includes internal cooling via holder
- Holder ideal for drilling deep holes
- Height adjustable via MEX



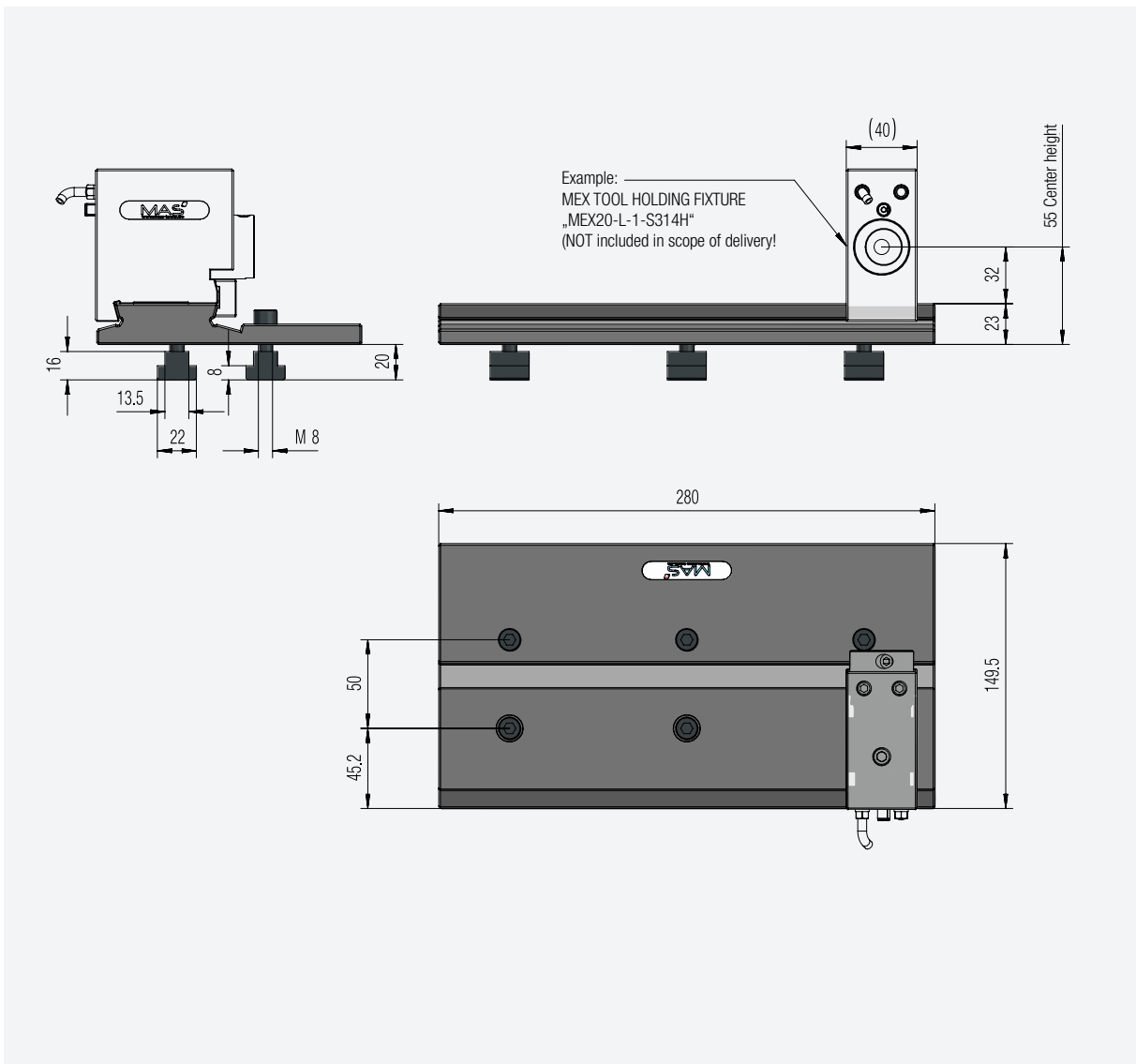
### Adapter plates for MAS-dovetail



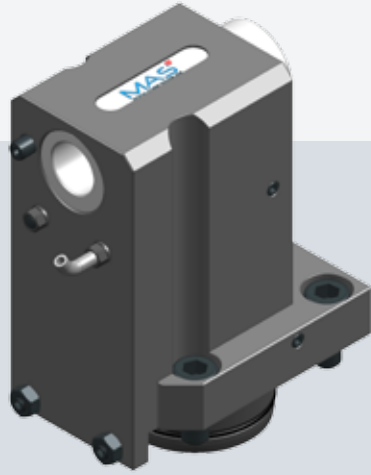
MAS-ID	Order number	Stock
Z00 000 252	ADP-Z252	●

Accessories, see from page 110 ● in stock ○ on request

● Actual center height has to be checked!



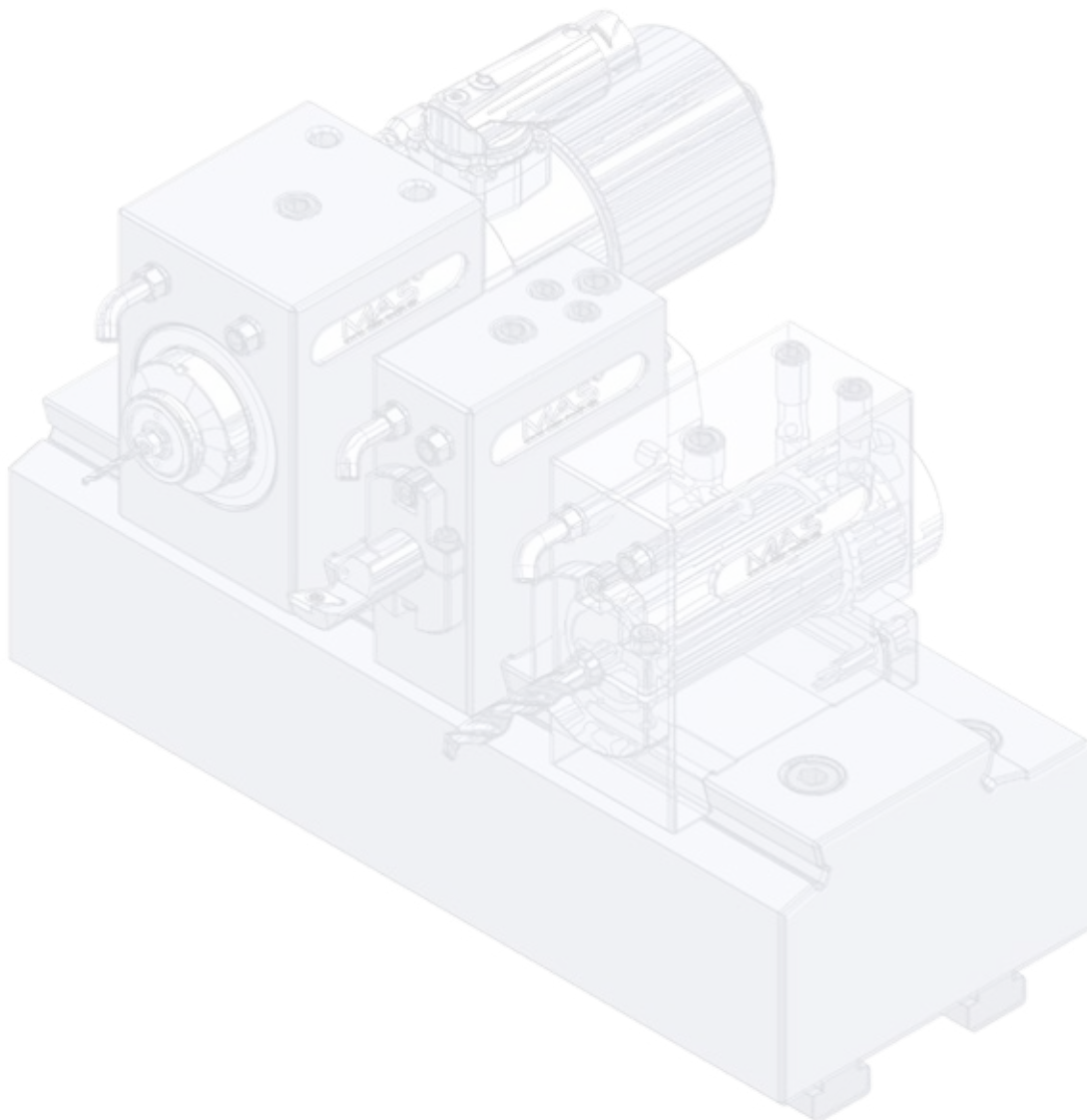
### MEX-holder 1x / clamping $\varnothing 20$ mm



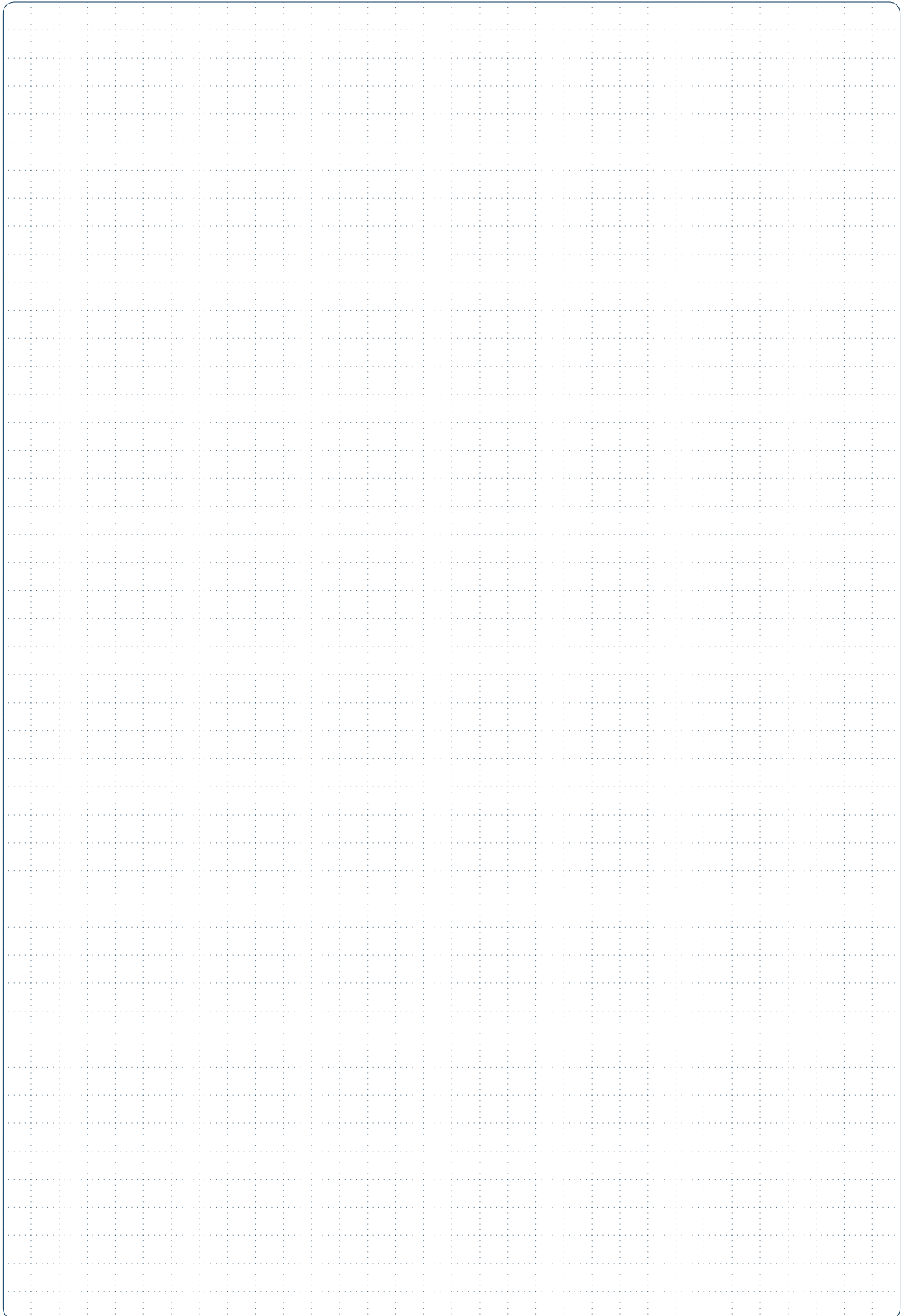
Order number	Stock
MEX20-DO-1-Z494	<input checked="" type="radio"/>

Accessories, see from page 110  in stock  on request

- Incl. internal and external cooling via holder



# NOTES

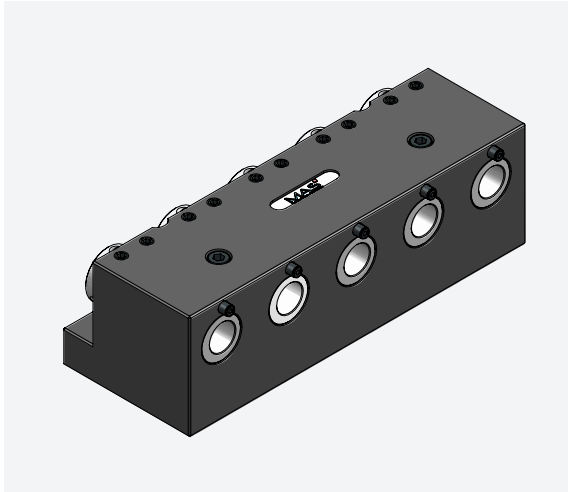


MEX<sup>®</sup>turn

# DMG MORI

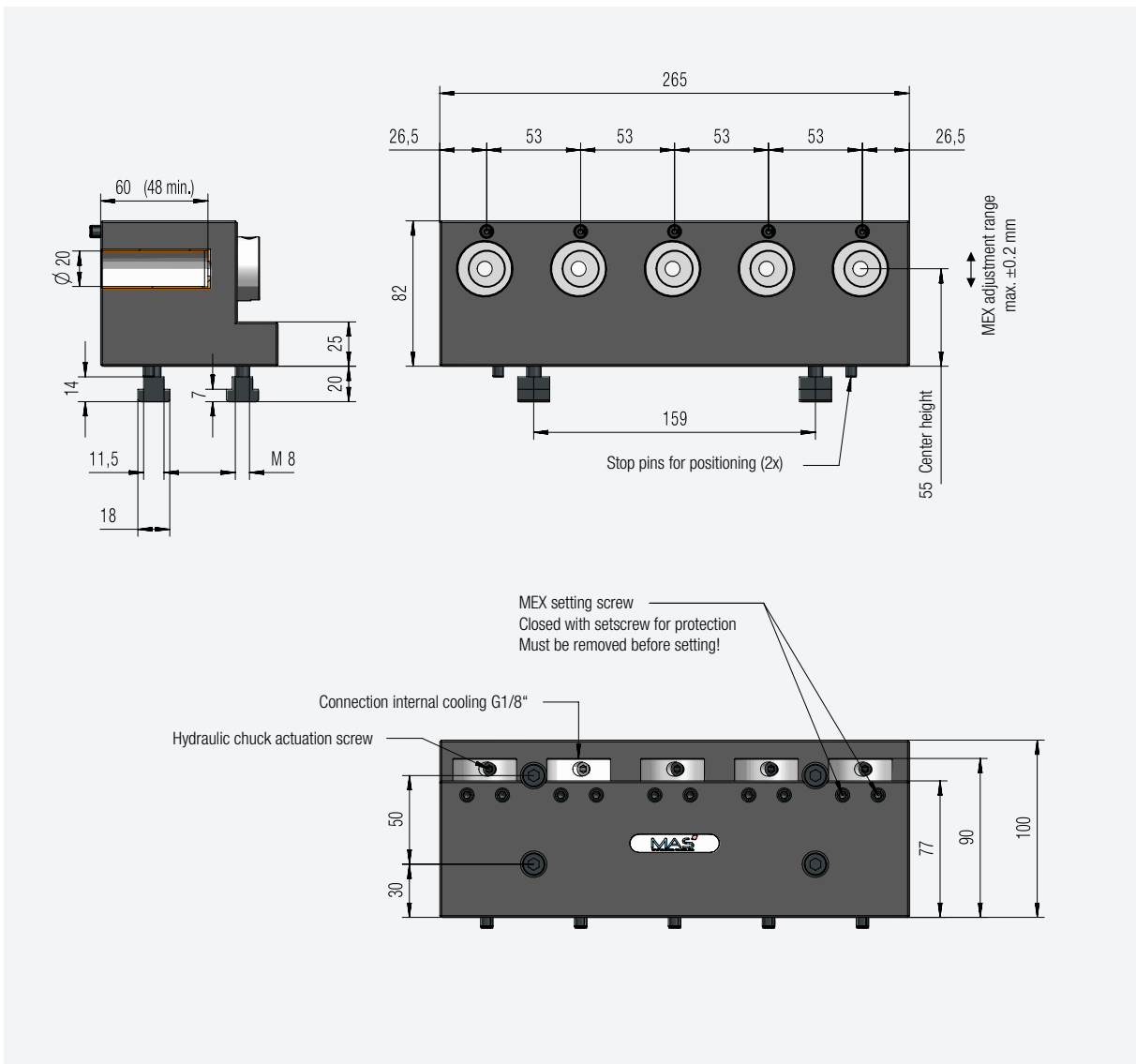
## Wasino G07 / T-groove

### MEX-holder 5x / clamping 20mm



MAS-ID	Order number	Stock
Z00 000 356	MEX20-WAS-5-Z356	○

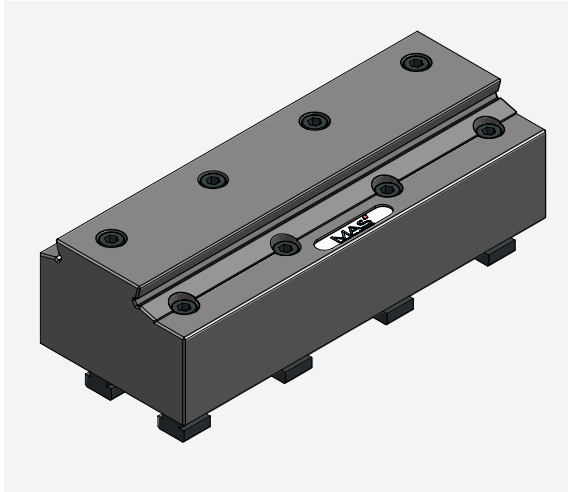
Accessories, see from page 110 ● in stock ○ on request



# DMG MORI

## Wasino G100 / T-groove

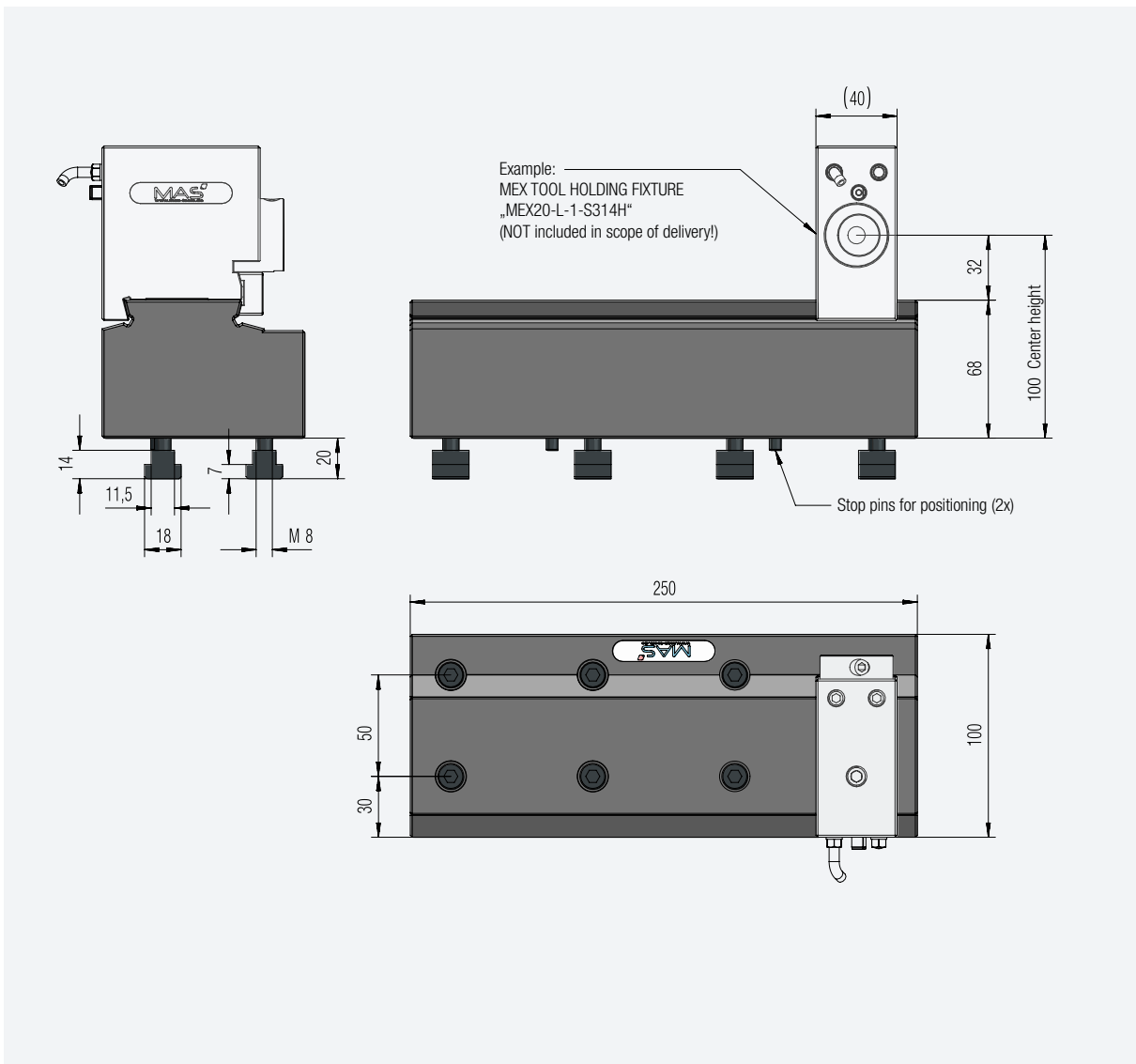
### Adapter plate for MAS-dovetail



MAS-ID	Order number	Stock
Z00 000 047	ADP-Z47	●

Accessories, see from page 110 ● in stock ○ on request

- Actual center height has to be checked



MEX<sup>®</sup>turn

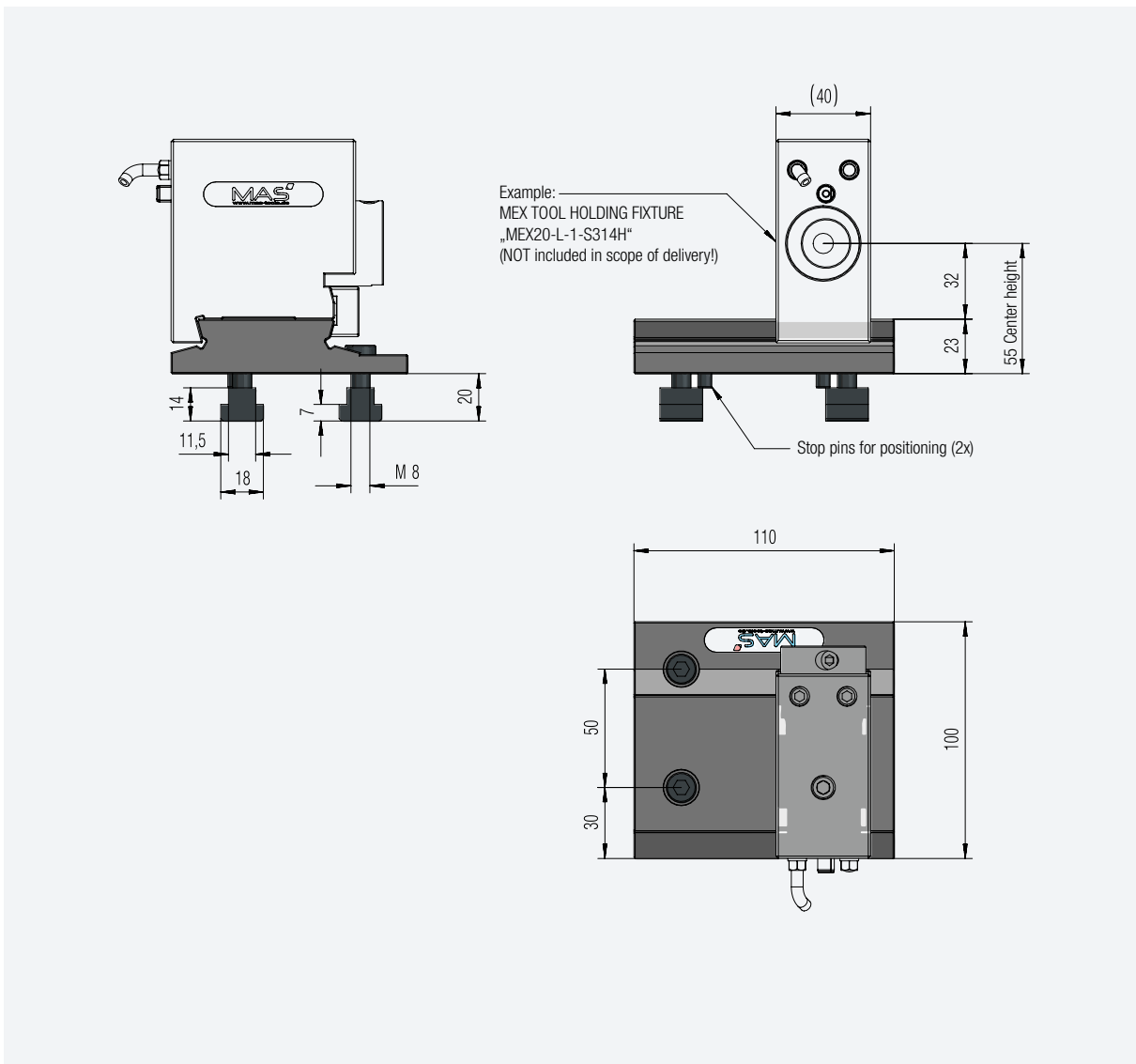
### Adapter plate for MAS-dovetail



MAS-ID	Order number	Stock
Z00 000 026	ADP-Z26	○

Accessories, see from page 110 ● in stock ○ on request

● Actual center height has to be checked



# NOTES

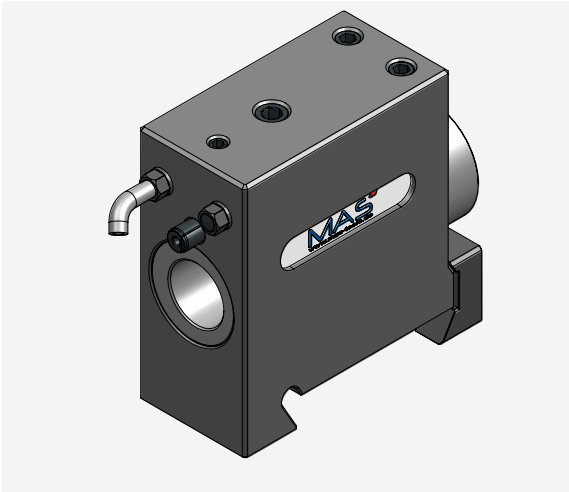
A large rectangular area filled with a grid of small, evenly spaced dotted lines, intended for writing notes.

MEX<sup>®</sup>turn

# HARDINGE

## GT27

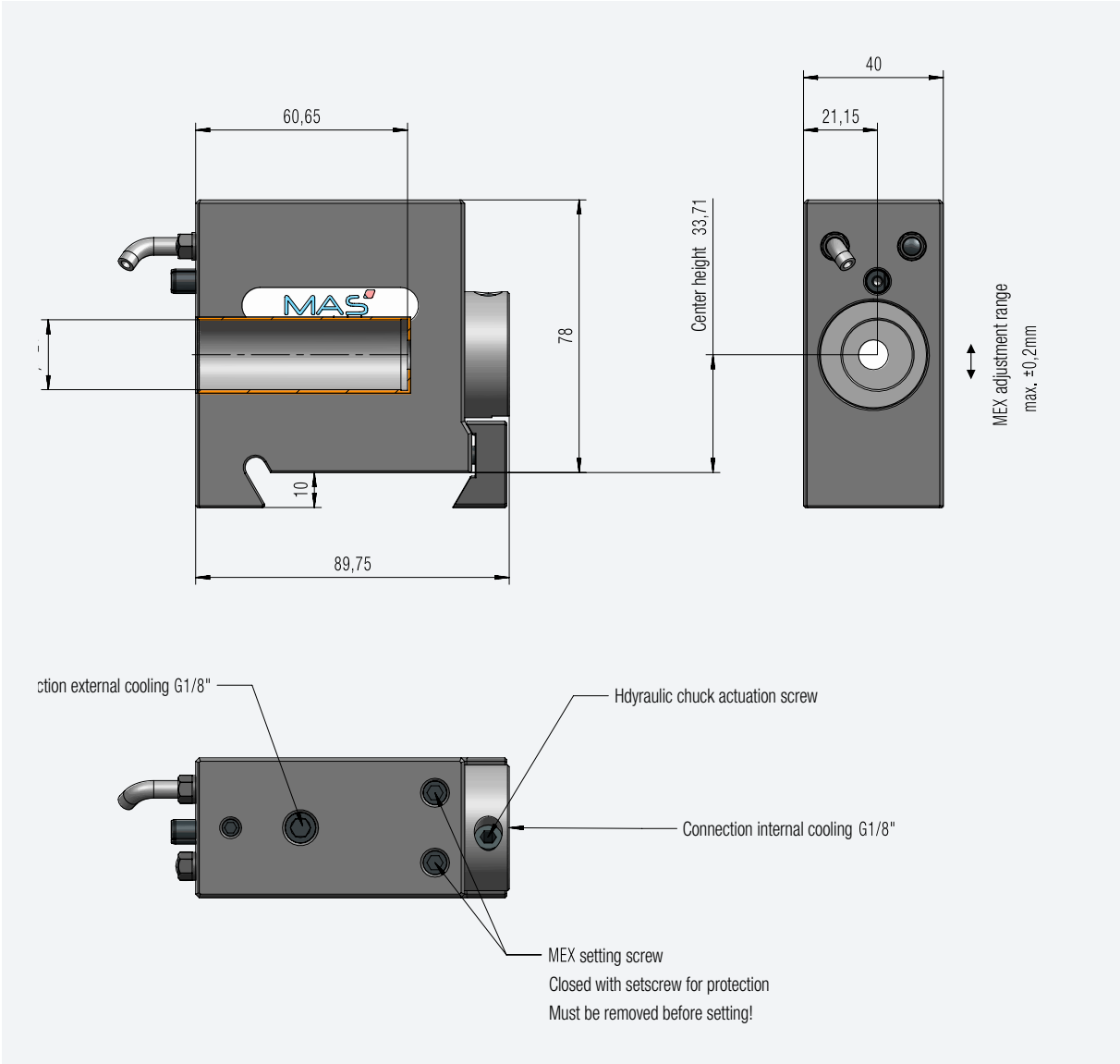
### MEX-holder 1x / clamping $\varnothing 20$ mm



MAS-ID	Order number	Stock
Z00000124	MEX20-GT27-1-S385H	●

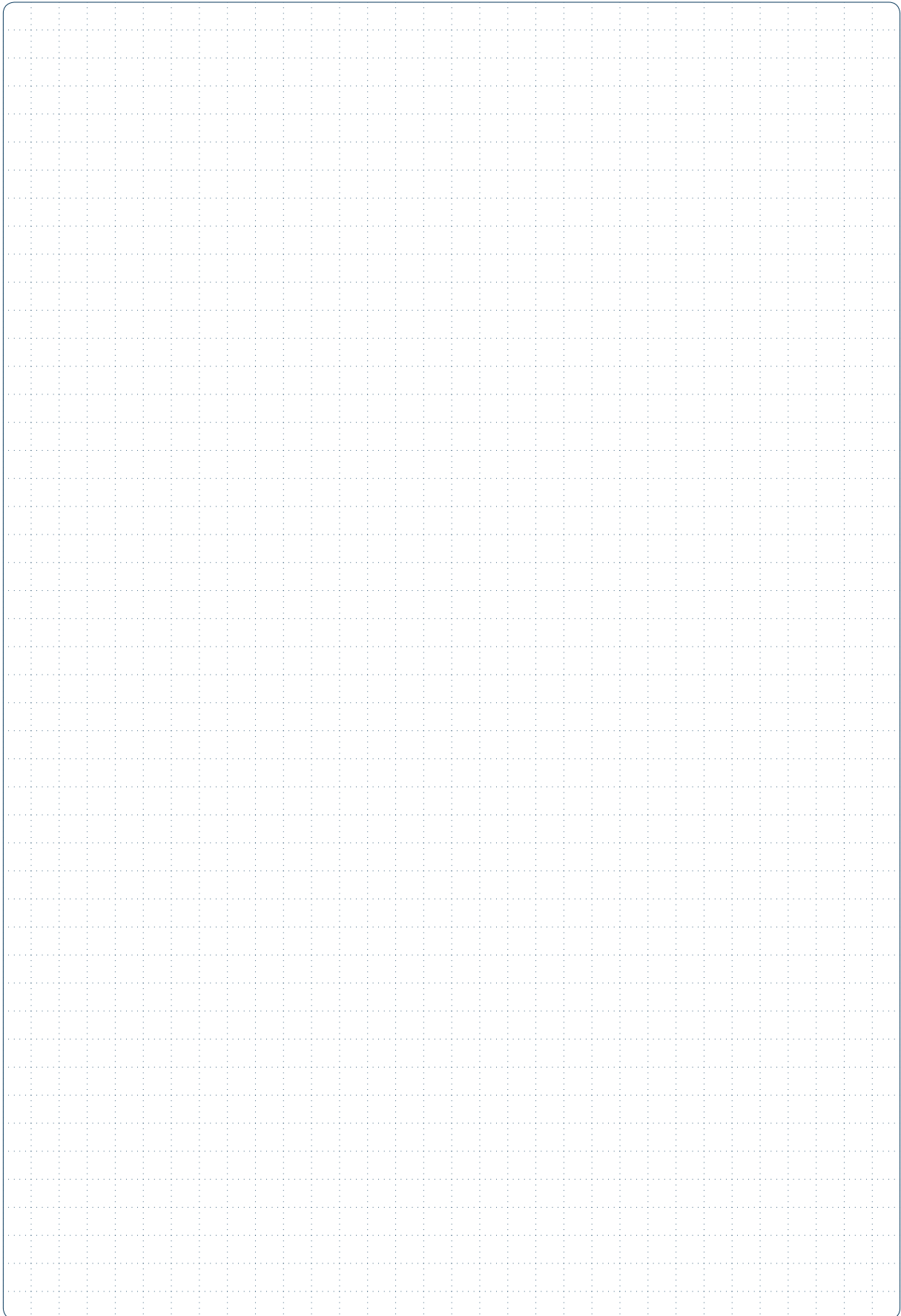
Accessories, see from page 110 ● in stock ○ on request

● Actual center height has to be checked!





# NOTES

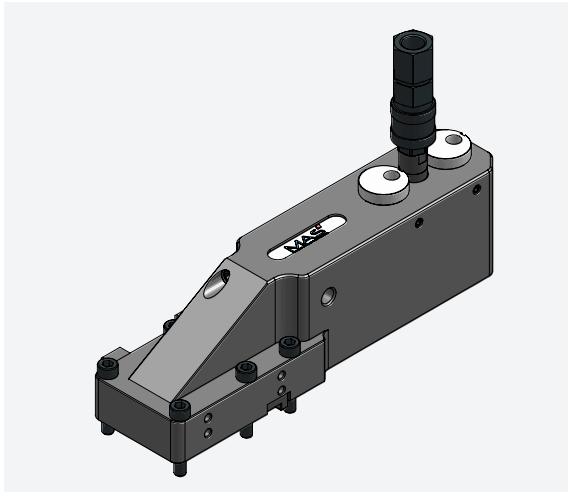


MEX<sup>®</sup>turn

# INDEX

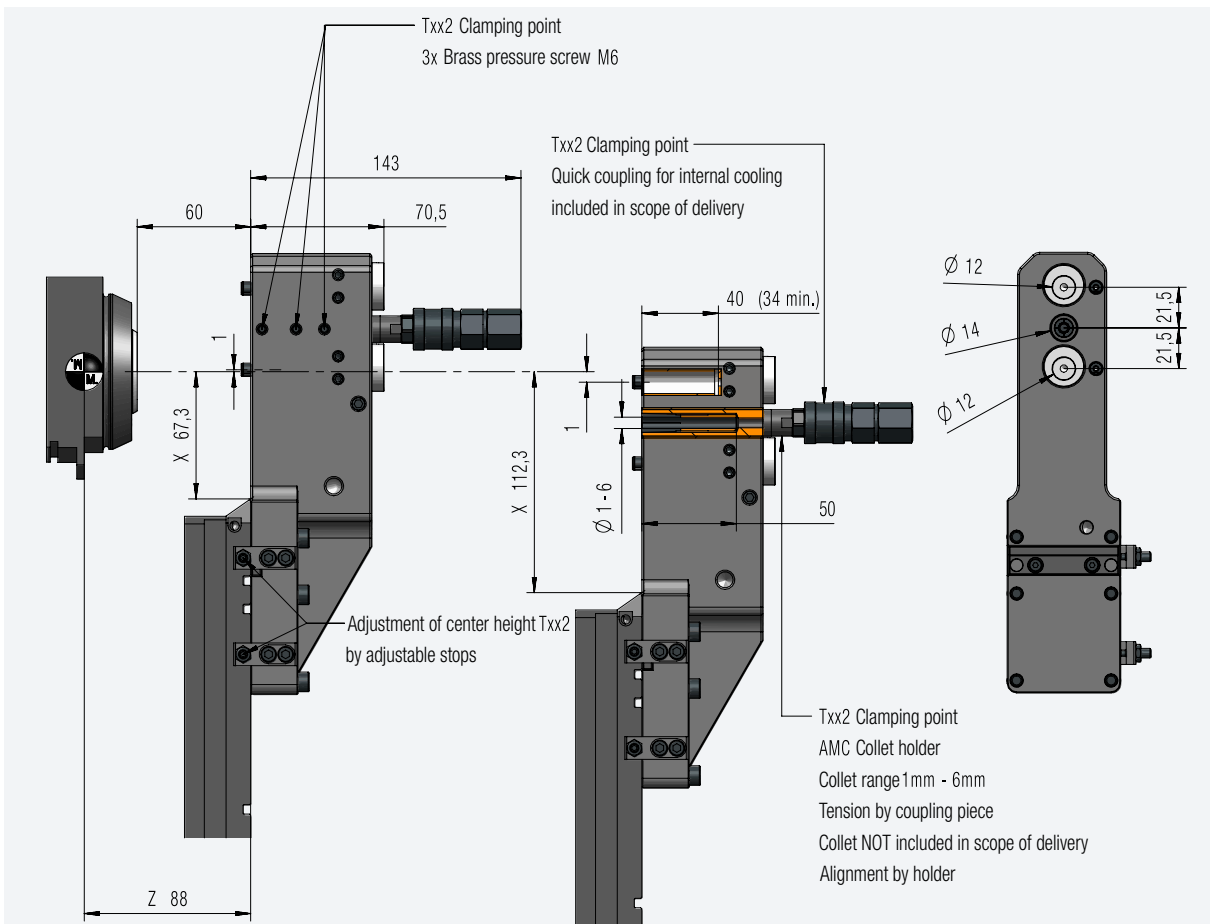
## MS 16

### MEX-holder 2x/ clamping $\varnothing 12$ mm



MAS-ID	Order number	Stock
Z00 000 296	MEX12-MS16-3-Z296	○

Accessories, see from page 110 ● in stock ○ on request



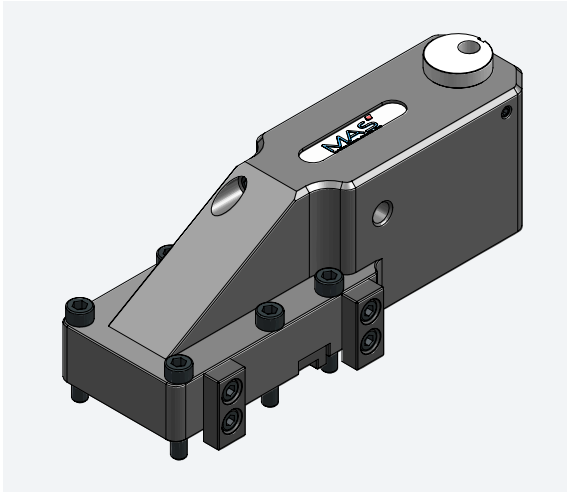
Base dimensions	X	Z
Txx1	68,3	0
Txx2	89,8	0
Txx3	111,3	0

Machine	Stroke X	Stroke Z	Final position X		Final position Z	
			ahead	behind	ahead	behind
MS16	45	70	67,3	112,3	18	88
MS22	62	85	67,3	129,3	18	103

# INDEX

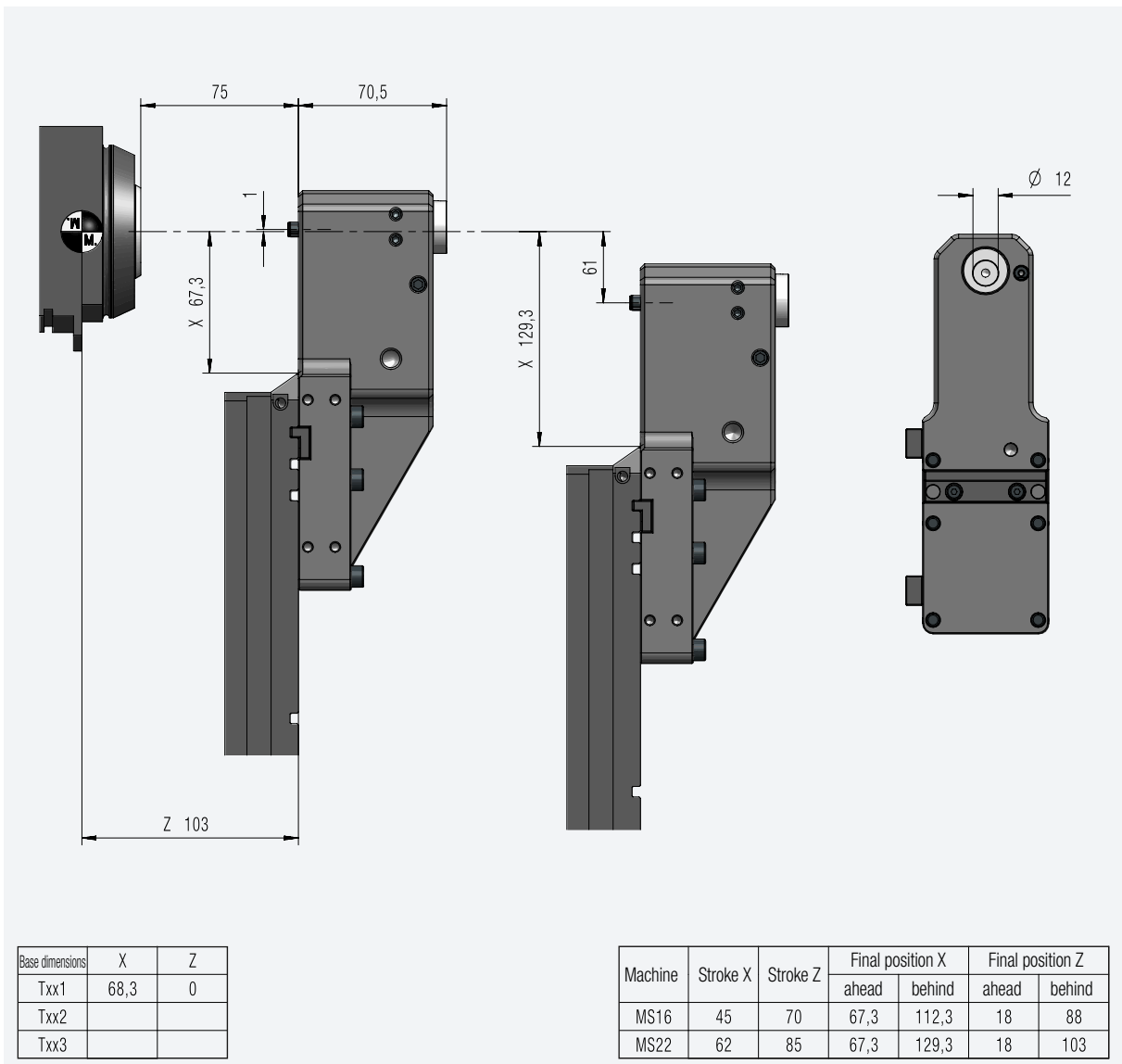
## MS22

### MEX-holder 1x / clamping $\varnothing$ 12 mm



MAS-ID	Order number	Stock
Z00 000 137	MEX12-MS22-1-S620H	○

Accessories, see from page 110 ● in stock ○ on request

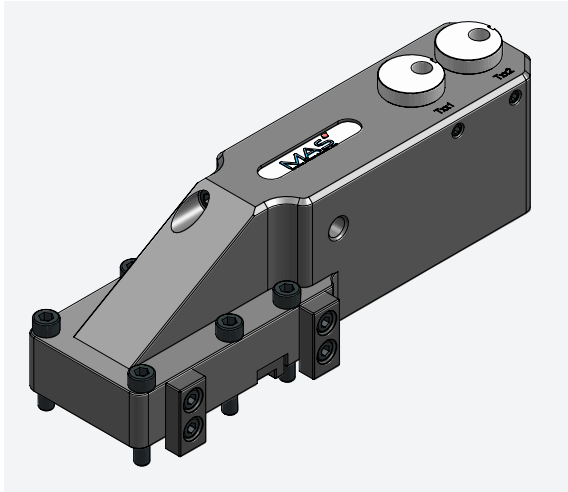


MEX<sup>®</sup>turn

# INDEX

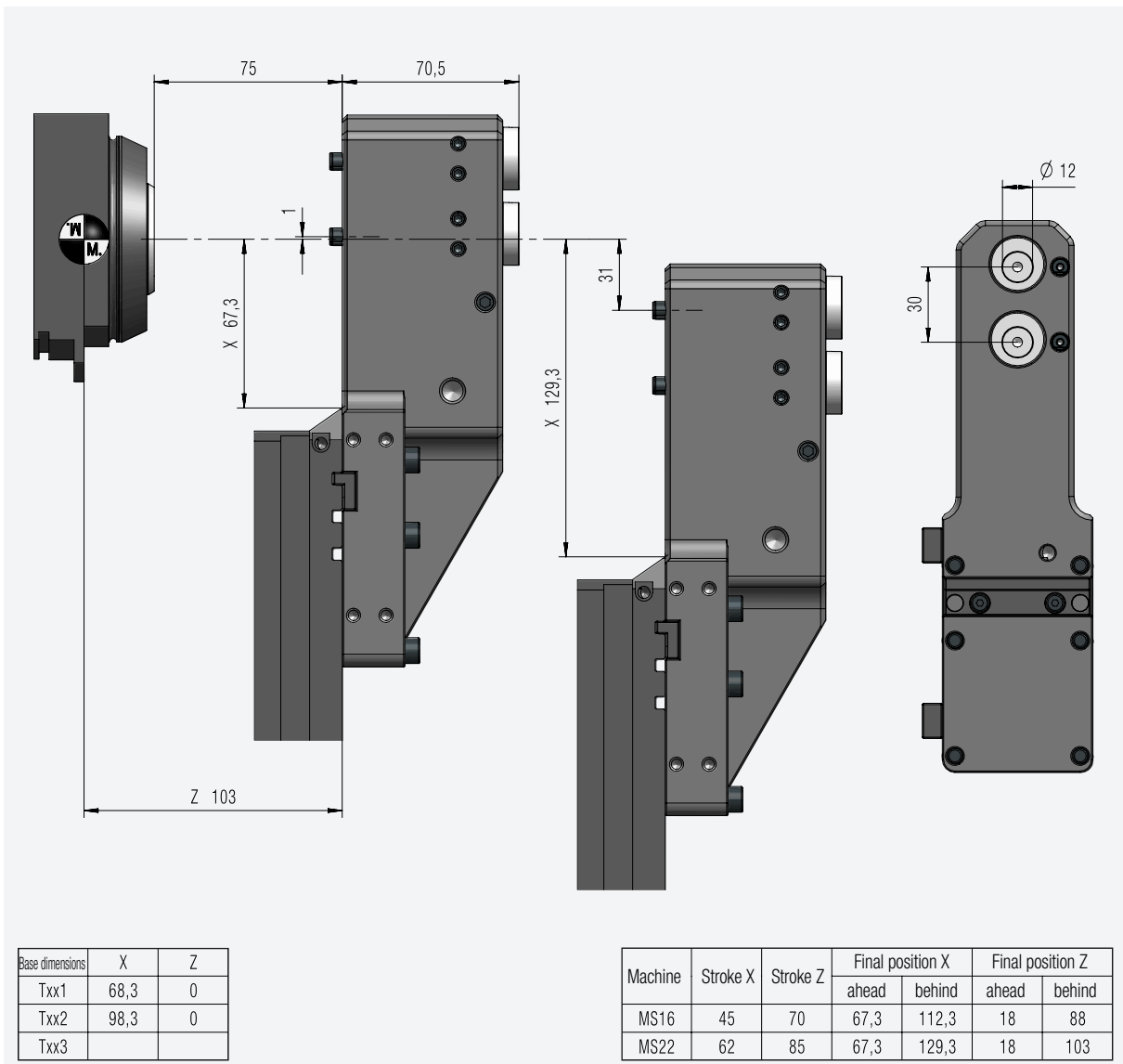
## MS22

### MEX-holder 2x / clamping $\varnothing 12$ mm



MAS-ID	Order number	Stock
Z00 000 138	MEX12-MS22-2-S618H	●

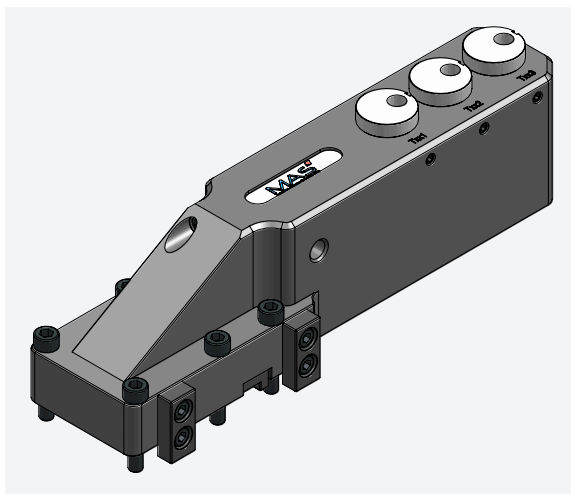
Accessories, see from page 110 ● in stock ○ on request



# INDEX

## MS22

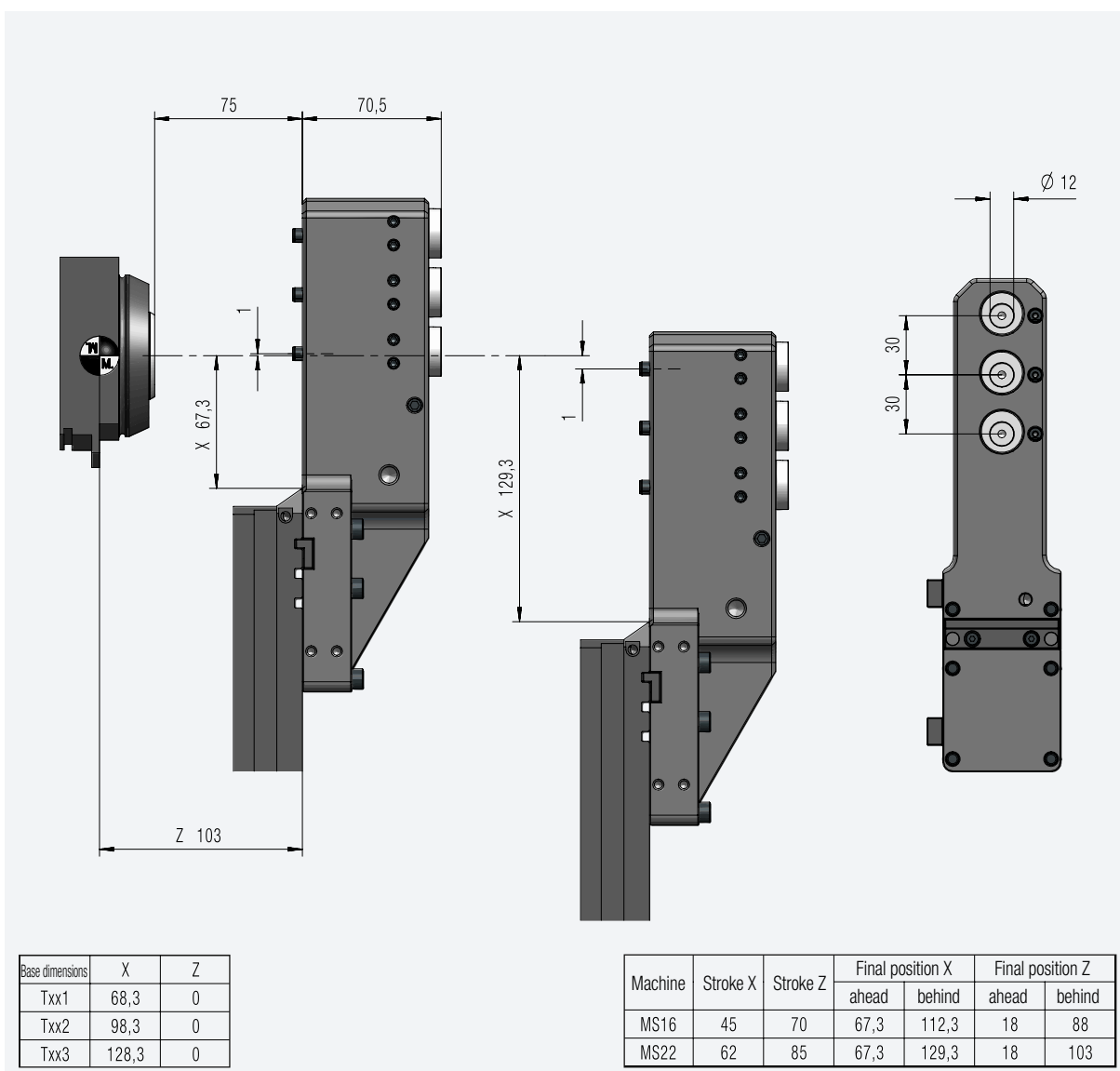
### MEX-holder 3x/ clamping $\varnothing 12$ mm



MAS-ID	Order number	Stock
Z00 000 067	MEX12-MS22-3-S298H	●

Accessories, see from page 110 ● in stock ○ on request

- Includes internal cooling via slide
- Der Halter kann mit Einschränkung auch auf der INDEX MS18 eingesetzt werden.

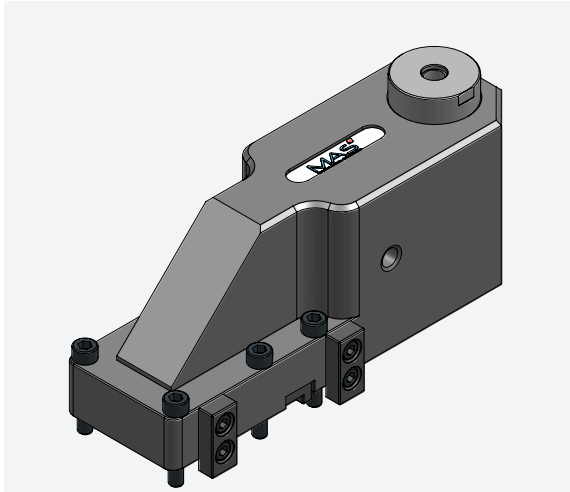


MEX<sup>®</sup>turn

# INDEX

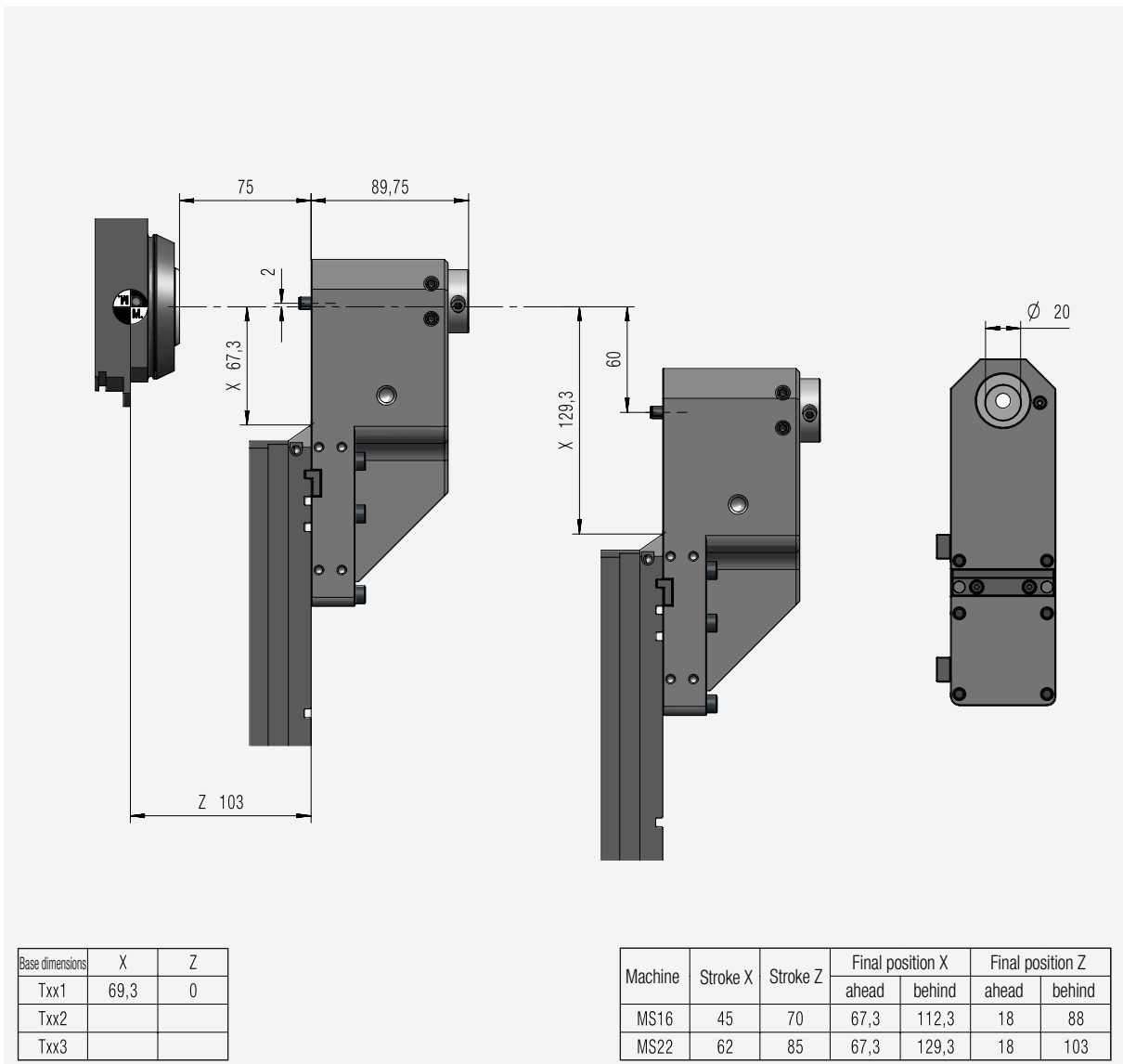
## MS22

### MEX-holder 1x / clamping $\varnothing$ 20 mm



MAS-ID	Order number	Stock
Z00 000 109	MEX20-MS22-1-S619H	●

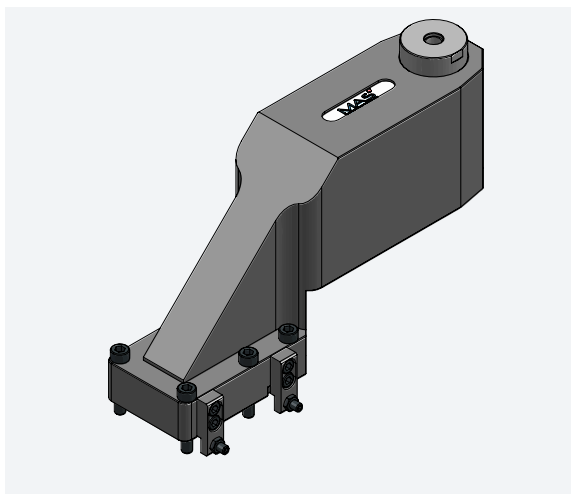
Accessories, see from page 110 ● in stock ○ on request



# INDEX

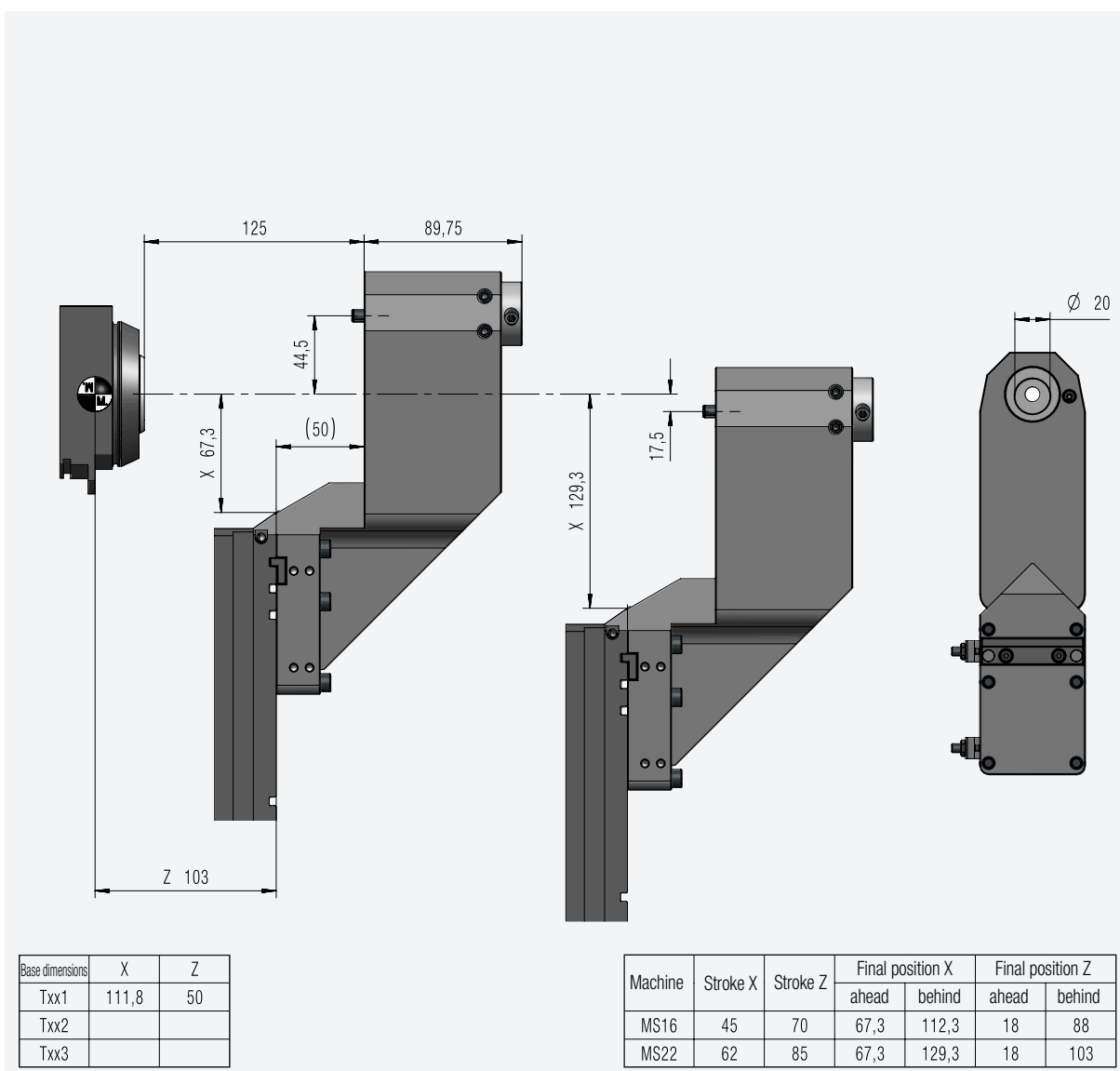
## MS22

### MEX-holder 1x / clamping $\varnothing$ 20 mm



MAS-ID	Order number	Stock
Z00 000 108	MEX20-MS22-1-S479H	●

Accessories, see from page 110 ● in stock ○ on request

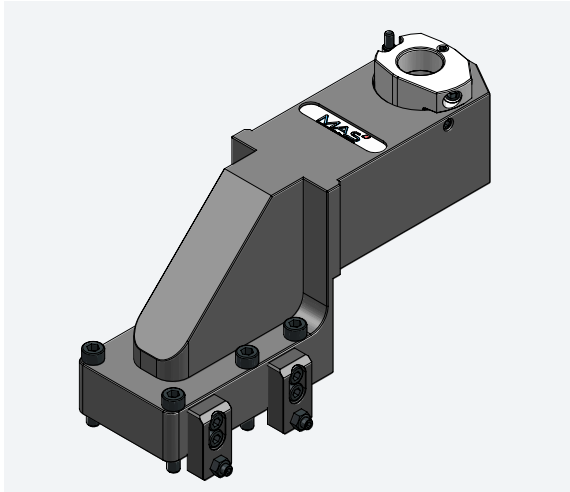


MEX<sup>®</sup>turn

# INDEX

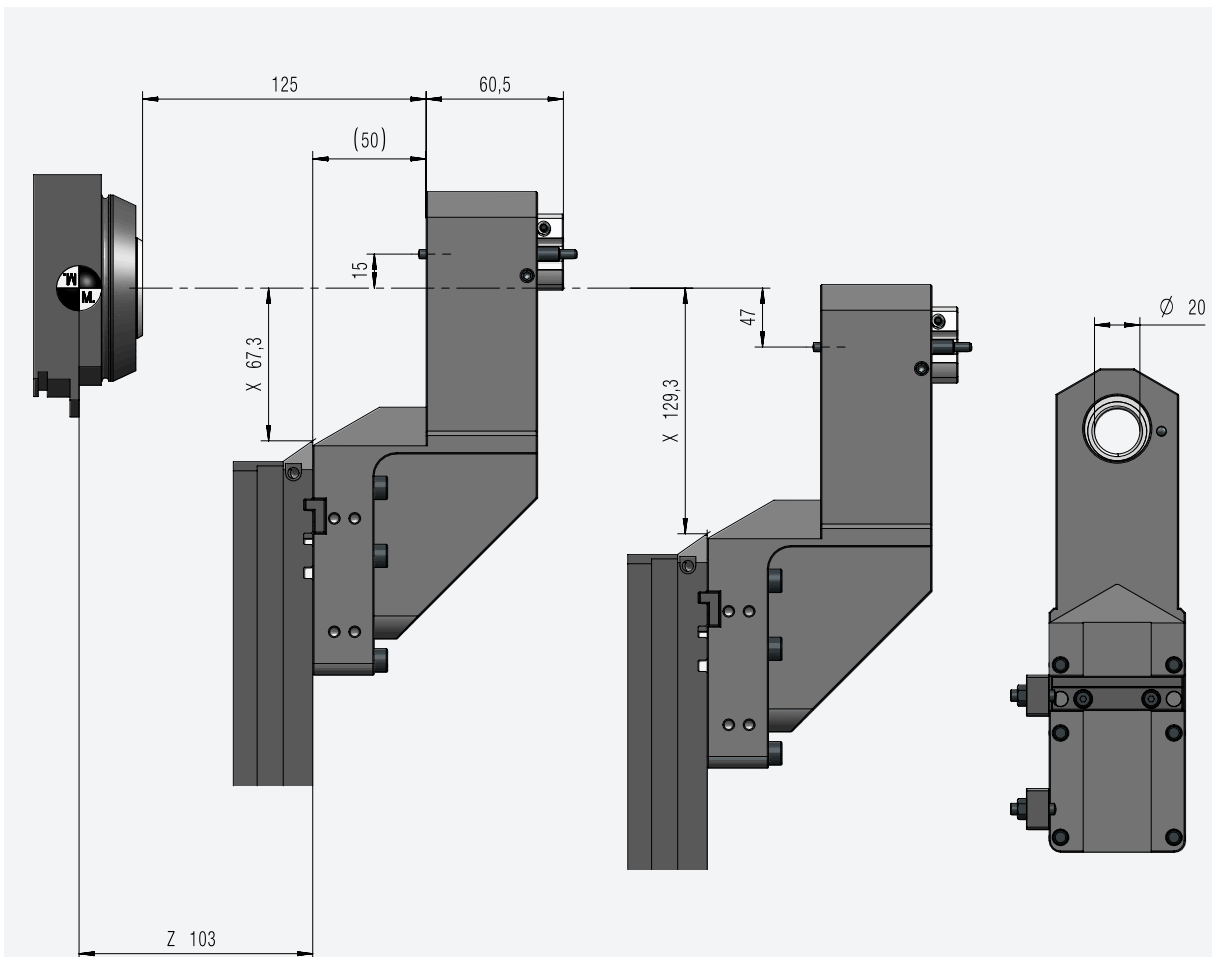
## MS22

### MEX-holder 1x / clamping $\varnothing$ 20 mm



MAS-ID	Order number	Stock
Z00 000 017	MEX20-MS22-1-Z17	○

Accessories, see from page 110 ● in stock ○ on request



Base dimensions	X	Z
Txx1	82,3	110,5
Txx2		
Txx3		

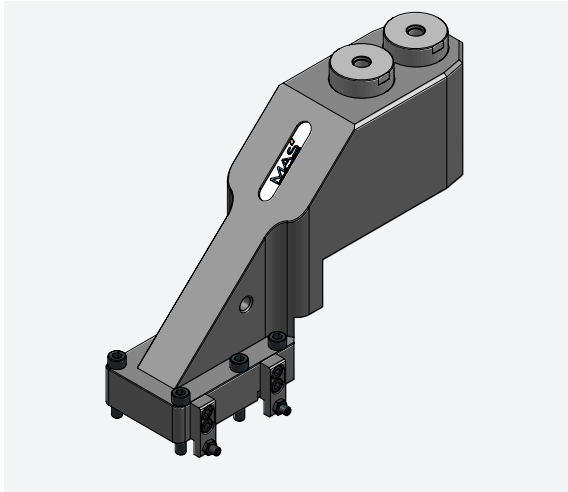
Machine	Stroke X	Stroke Z	Final position X		Final position Z	
			ahead	behind	ahead	behind
MS16	45	70	67,3	112,3	18	88
MS22	62	85	67,3	129,3	18	103



# INDEX

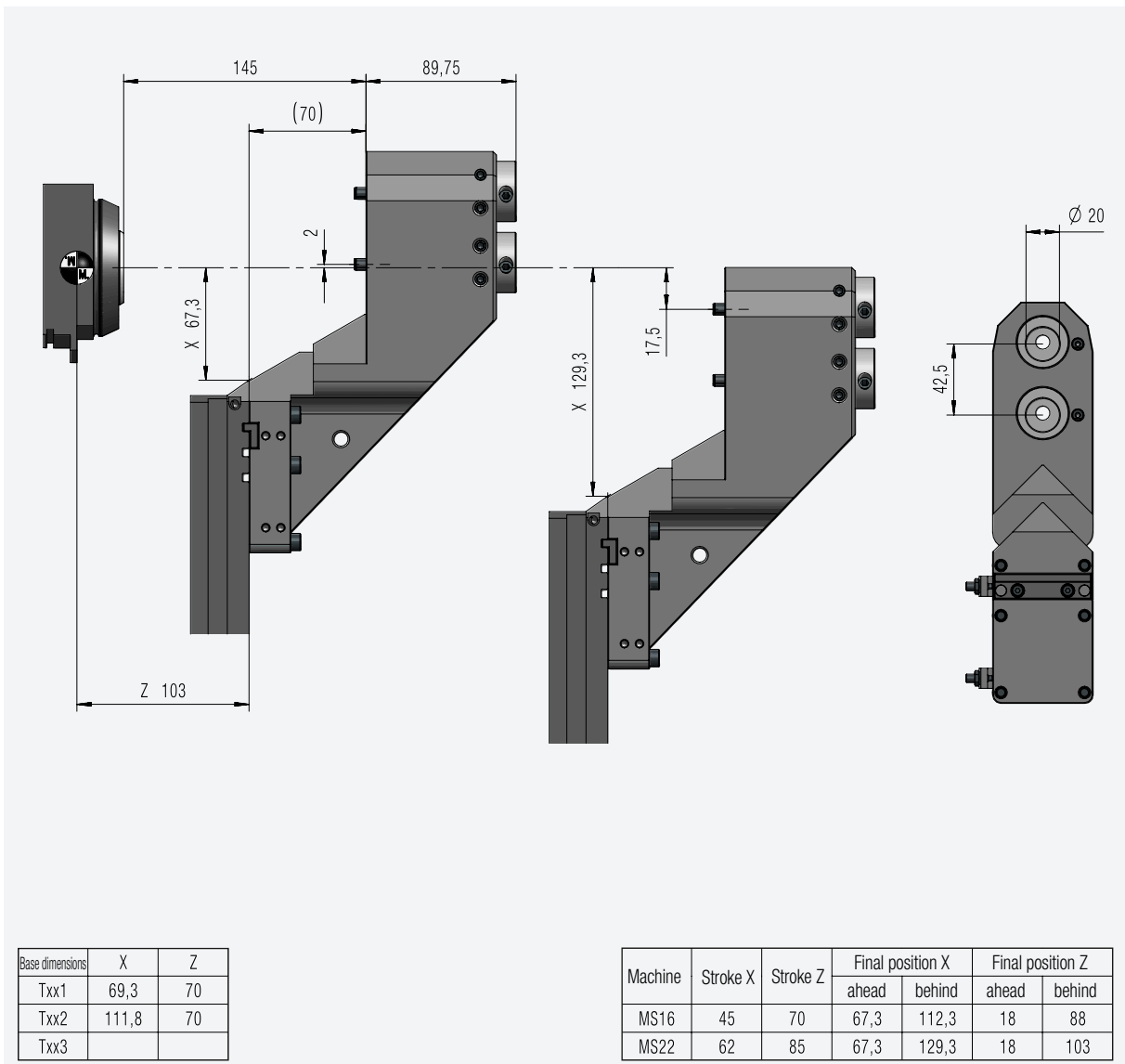
## MS22

### MEX-holder 2x / clamping $\varnothing 20$ mm



MAS-ID	Order number	Stock
Z00 000 005	MEX20-MS22-2-Z5	●

Accessories, see from page 110 ● in stock ○ on request

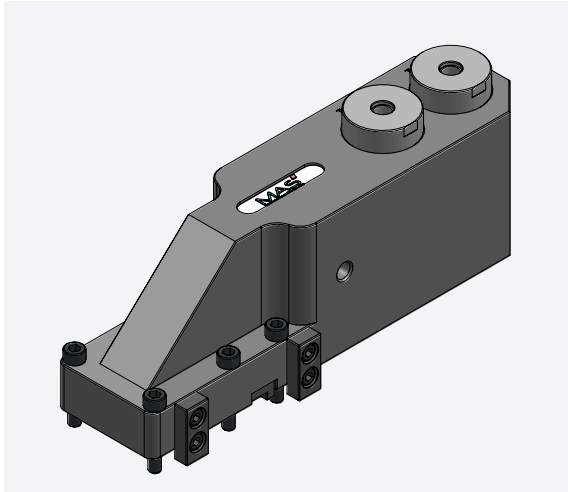


MEX<sup>®</sup>turn

# INDEX

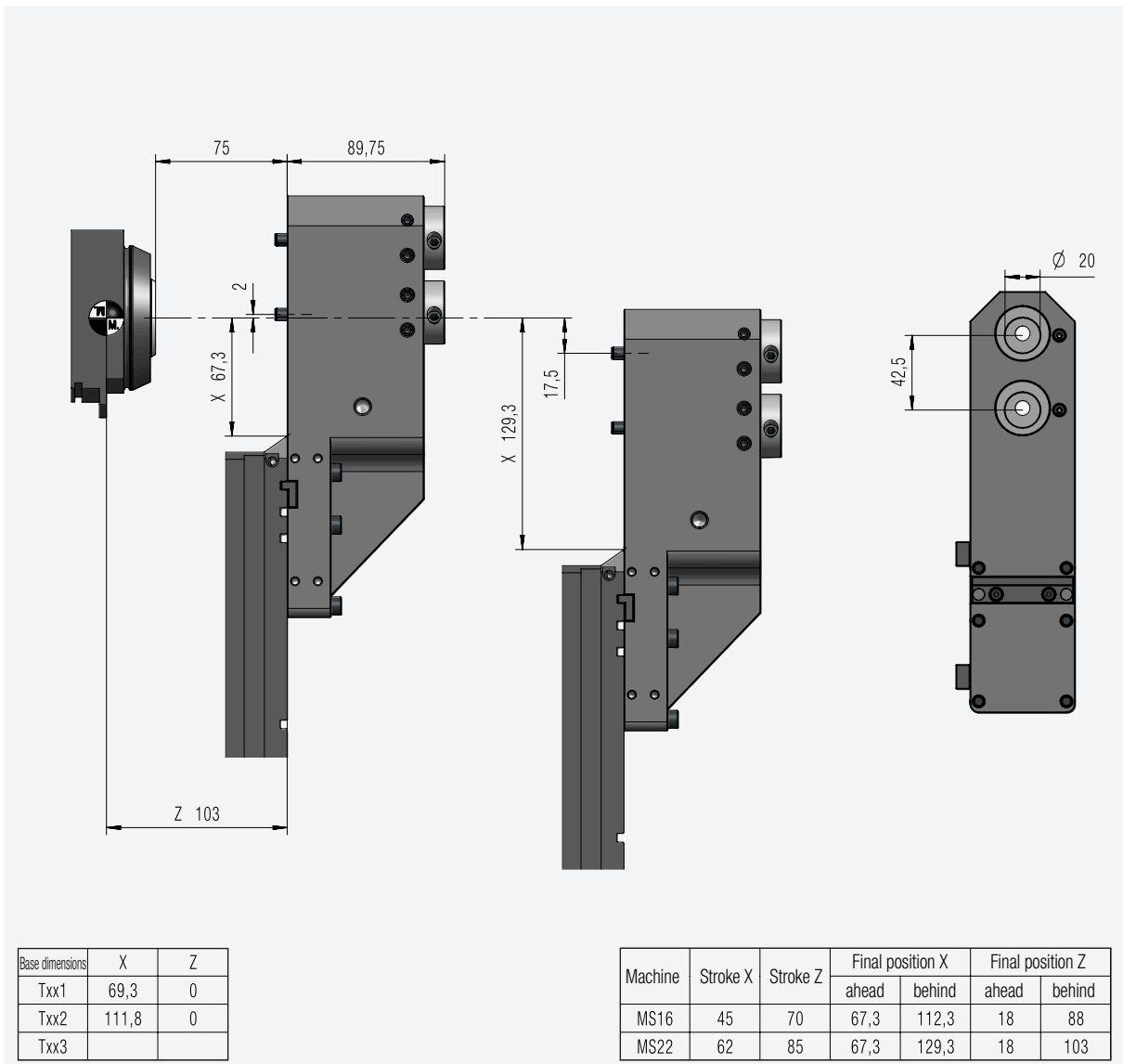
## MS22

### MEX-holder 2x / clamping $\varnothing 20$ mm



MAS-ID	Order number	Stock
Z00 000 069	MEX20-MS22-2-S595H	●

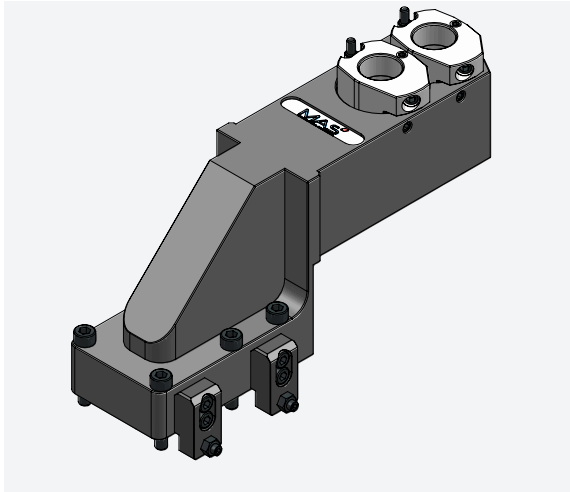
Accessories, see from page 110 ● in stock ○ on request



# INDEX

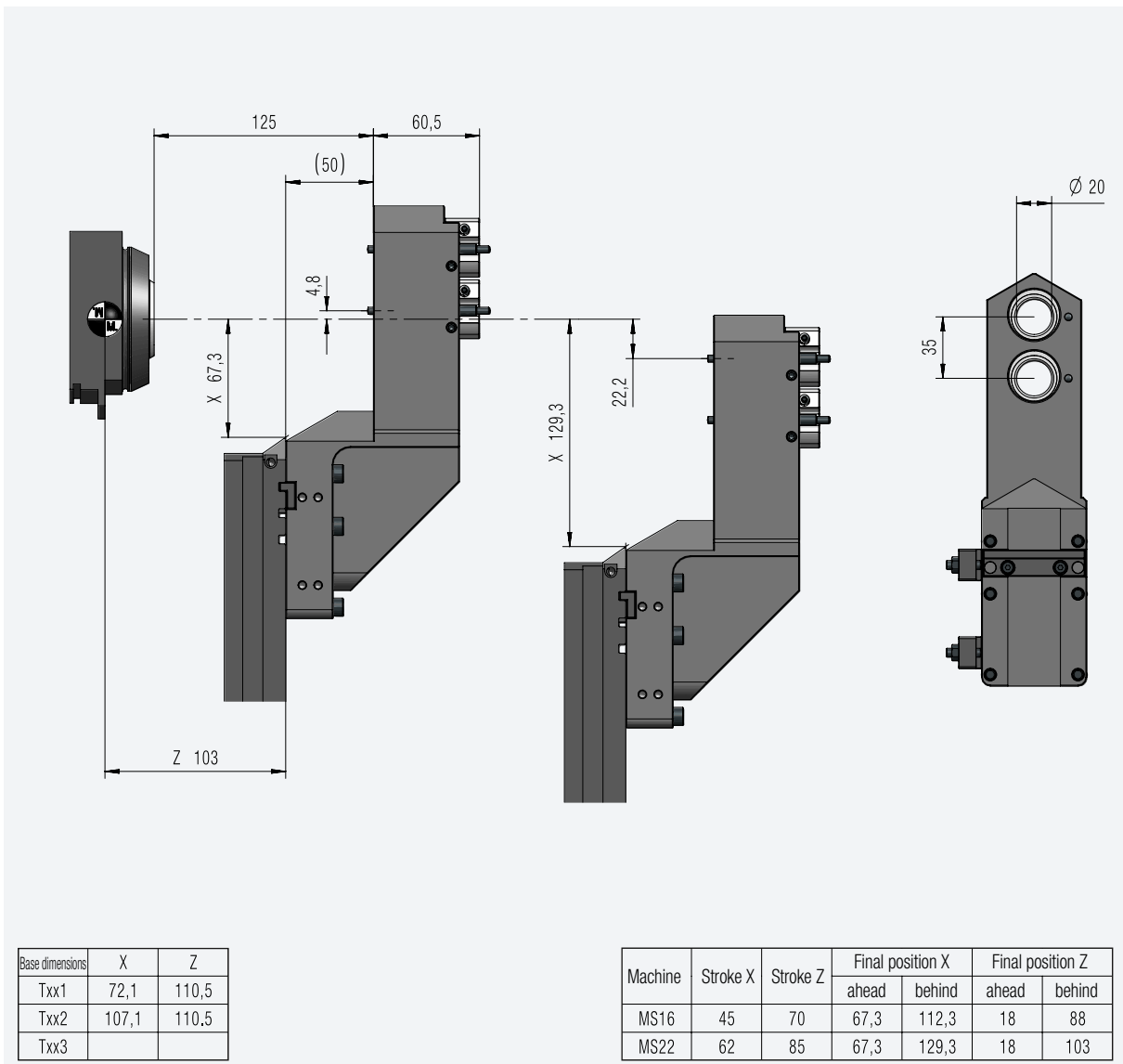
## MS22

### MEX-holder 2x / quill $\varnothing 20$ mm



MAS-ID	Order number	Stock
Z00 000 018	MEX20P-MS22-1-Z18	○

Accessories, see from page 110 ● in stock ○ on request

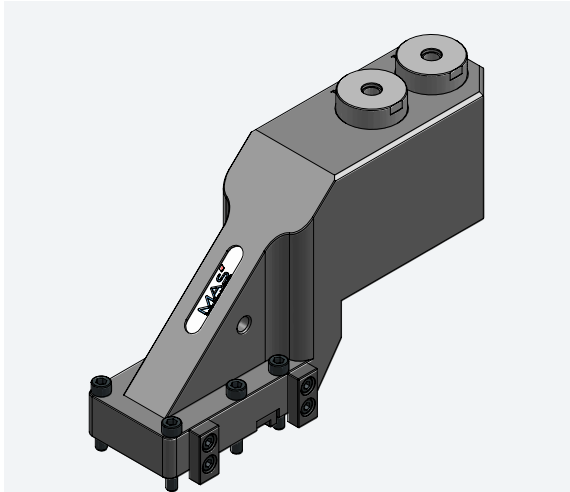


MEX<sup>®</sup>turn

# INDEX

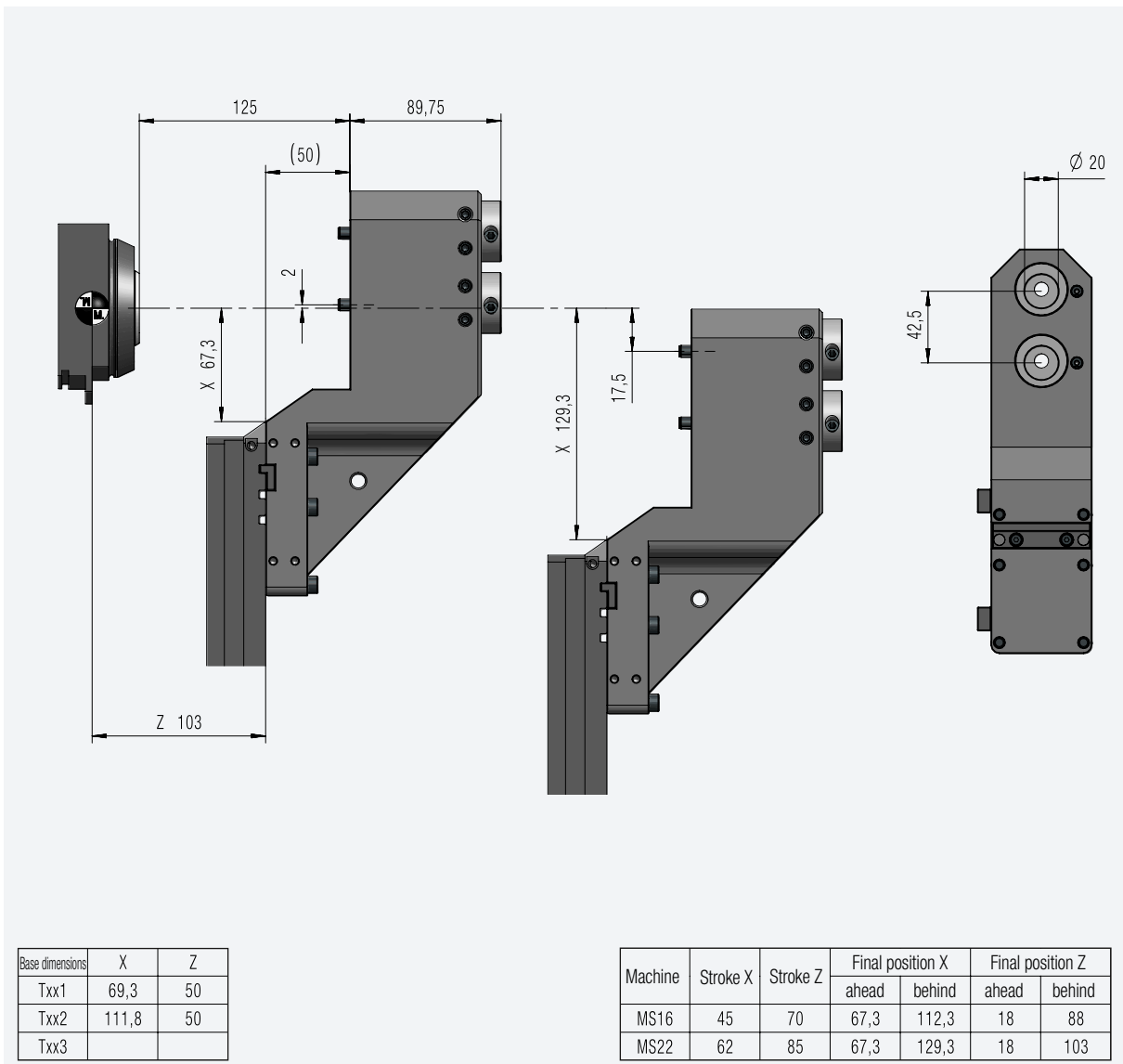
## MS22

### MEX-holder 2x / clamping $\varnothing 20$ mm



MAS-ID	Order number	Stock
Z00 000 111	MEX20-MS22-2-S553H	●

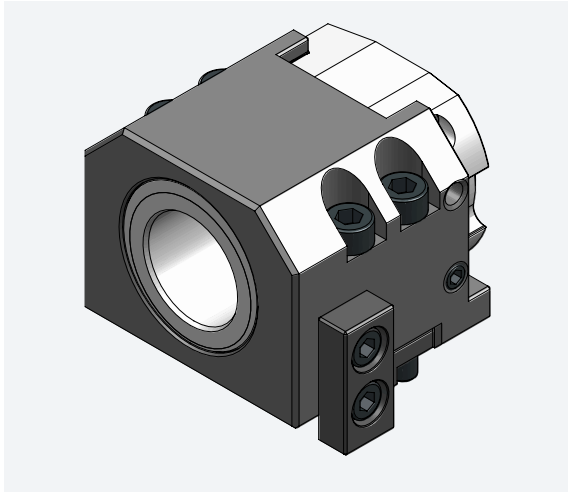
Accessories, see from page 110 ● in stock ○ on request



# INDEX

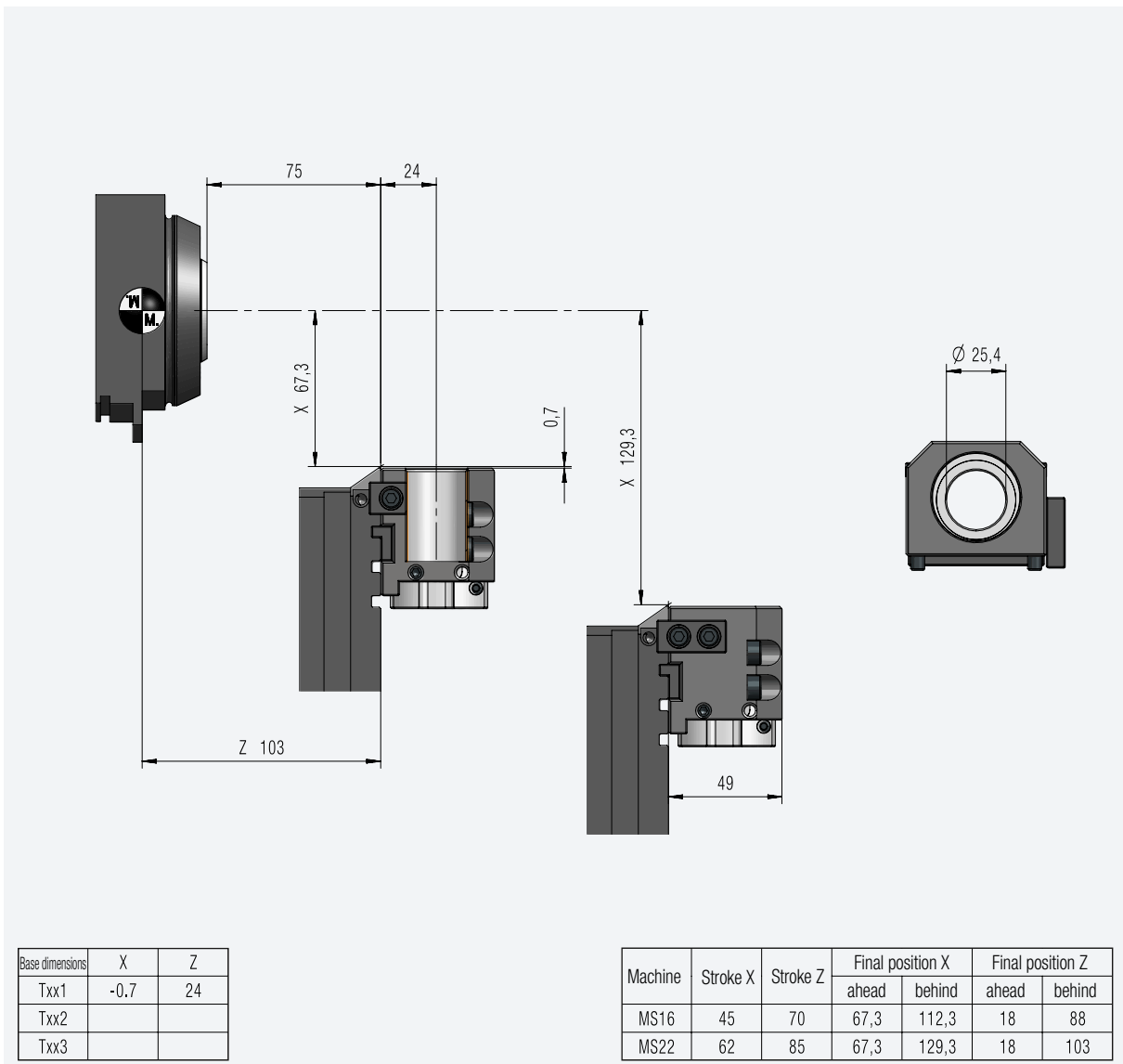
## MS22

### MEX-holder 1x / clamping HFS $\varnothing 25,4$ mm



MAS-ID	Order number	Stock
Z00 000 127	MEX25.4-MS22-1-S377H	○

Accessories, see from page 110 ● in stock ○ on request

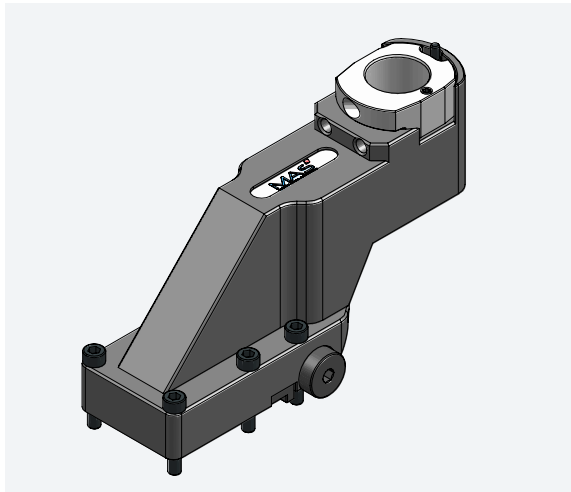


MEX<sup>®</sup>turn

# INDEX

## MS22

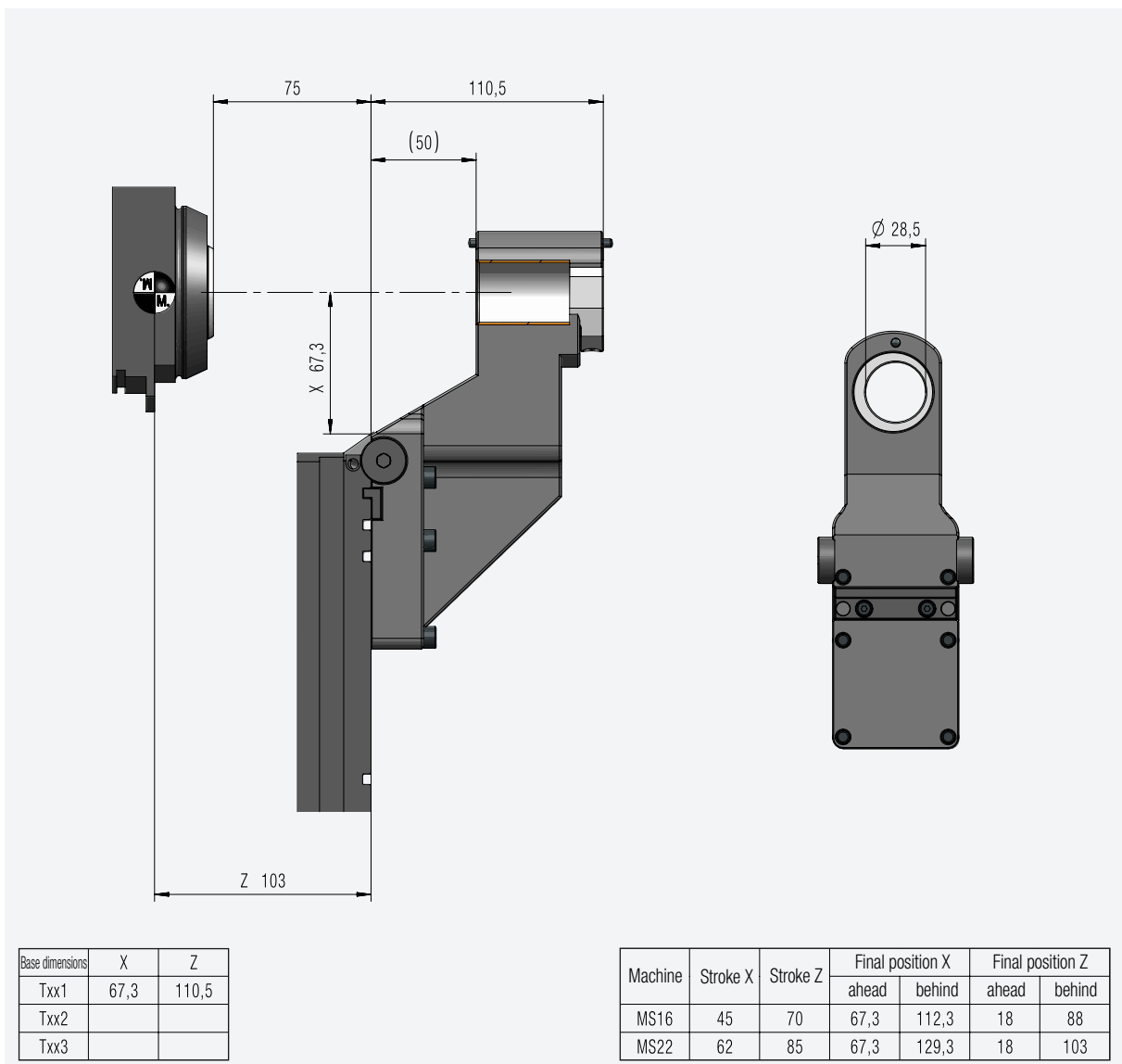
### MEX-holder 1x / quill $\varnothing 28.5\text{mm}$



MAS-ID	Order number	Stock
Z00 000 068	MEX28.5-MS22-VX-S387H	○

Accessories, see from page 110 ● in stock ○ on request

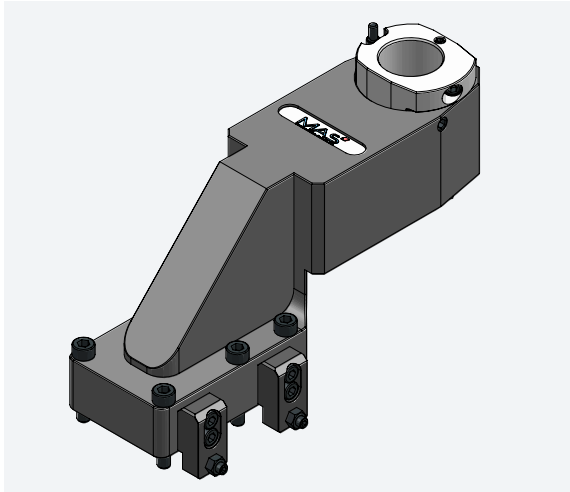
- This holder can also be used on the INDEX MS18 with limitations
- For rigid slides 1.2 und 2.1 through INDEX MS22
- Fine adjustment of x using MEX
- Fine adjustment of y using MAS-Dovetail



# INDEX

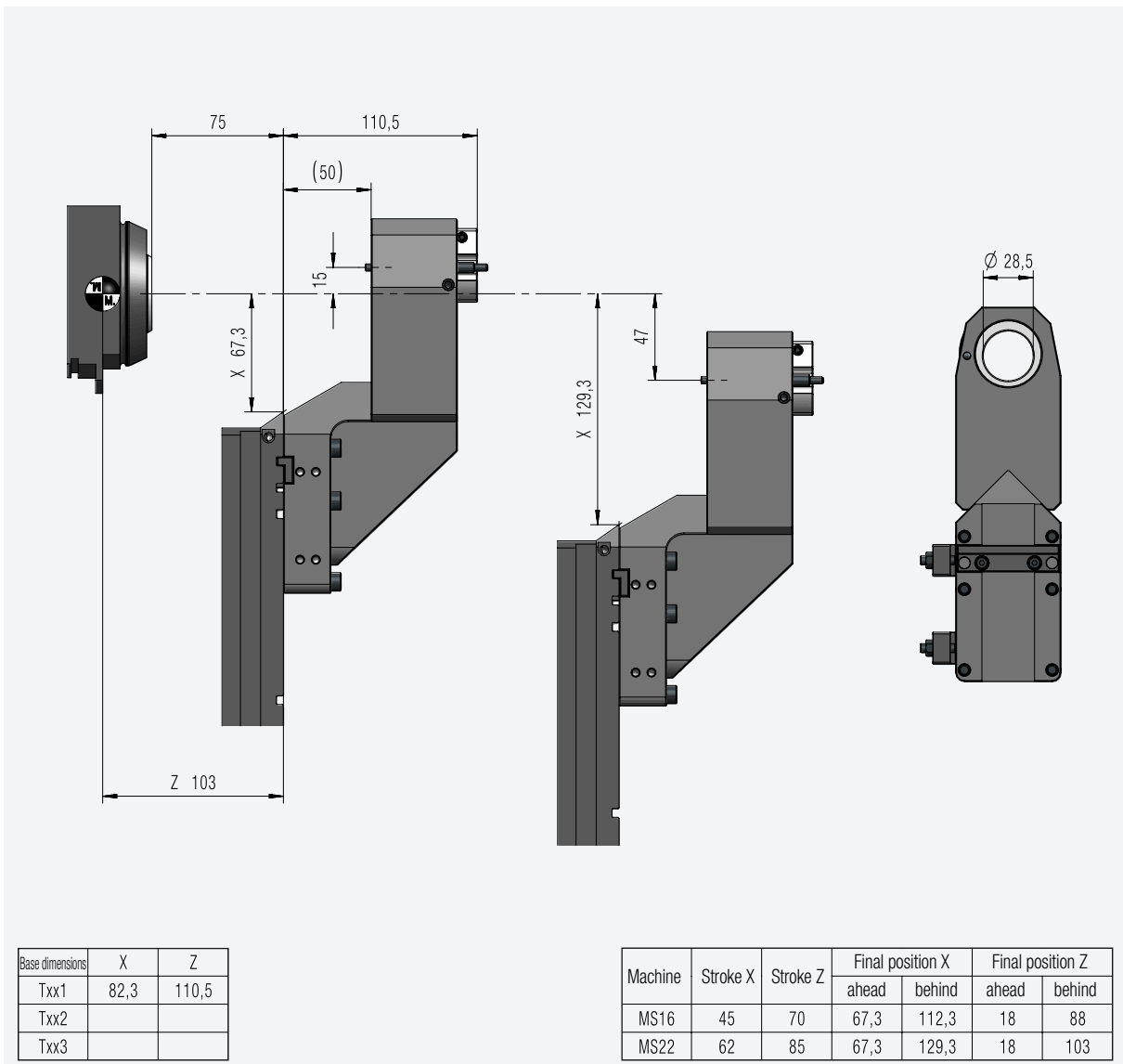
## MS22

### MEX-holder 1x / quill $\varnothing 28,5$ mm



MAS-ID	Order number	Stock
Z00 000 072	MEX25.4-MS22-1-S377H	●

Accessories, see from page 110 ● in stock ○ on request

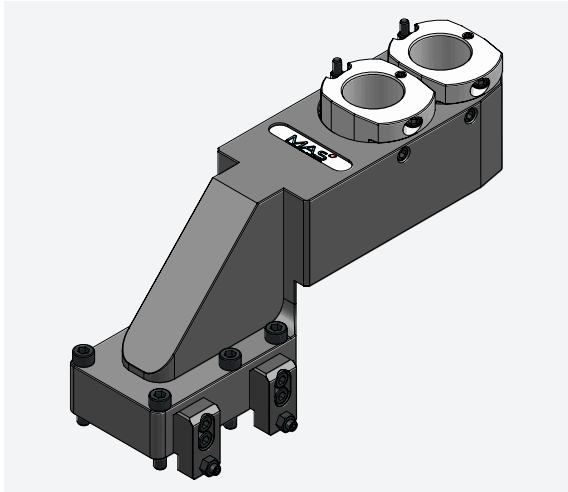


MEX<sup>®</sup>turn

# INDEX

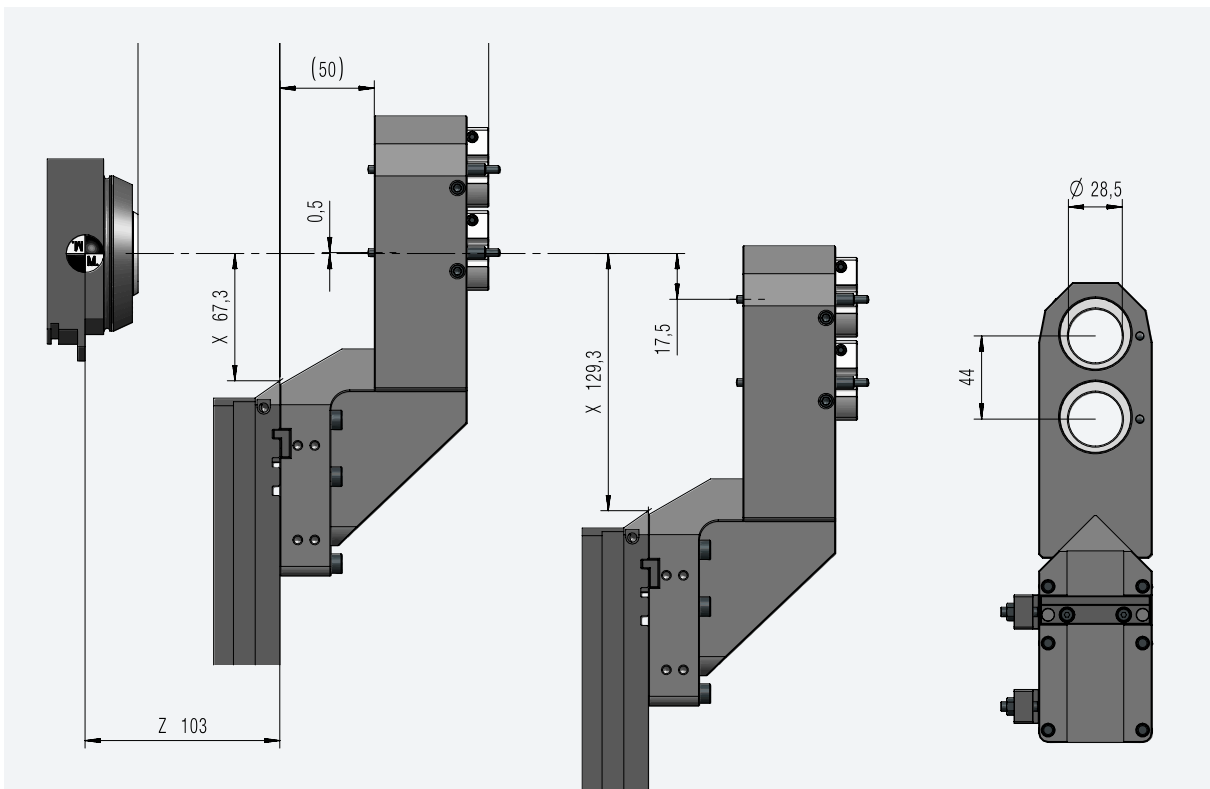
## MS22

### MEX-holder 2x / quill $\varnothing 28,5$ mm



MAS-ID	Order number	Stock
Z00 000 073	MEX28.5-MS22-2-Z73	●

Accessories, see from page 110 ● in stock ○ on request



Base dimensions	X	Z
Txx1	67,8	110,5
Txx2	111,8	110,5
Txx3		

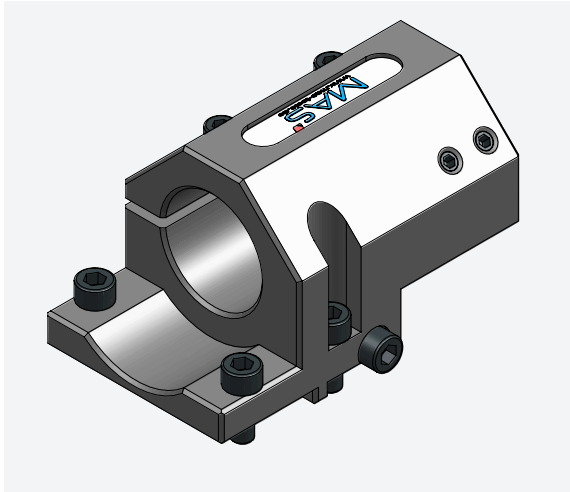
Machine	Stroke X	Stroke Z	Final position X		Final position Z	
			ahead	behind	ahead	behind
MS16	45	70	67,3	112,3	18	88
MS22	62	85	67,3	129,3	18	103



# INDEX

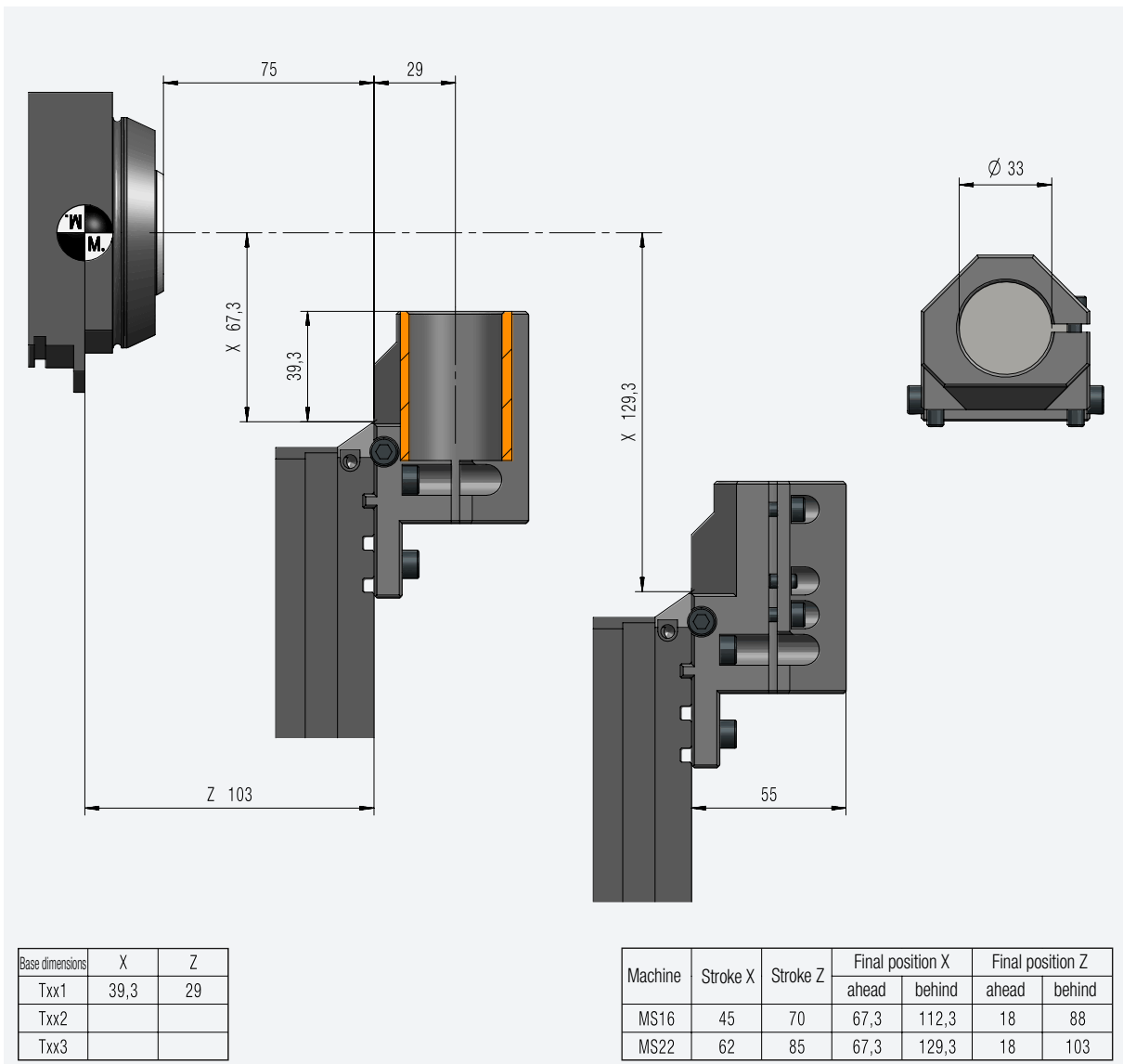
## MS22

### MEX-holder 1x / HFS $\varnothing 33$ mm



MAS-ID	Order number	Stock
Z00 000 079	MEX33-MS22-1-S611	●

Accessories, see from page 110 ● in stock ○ on request

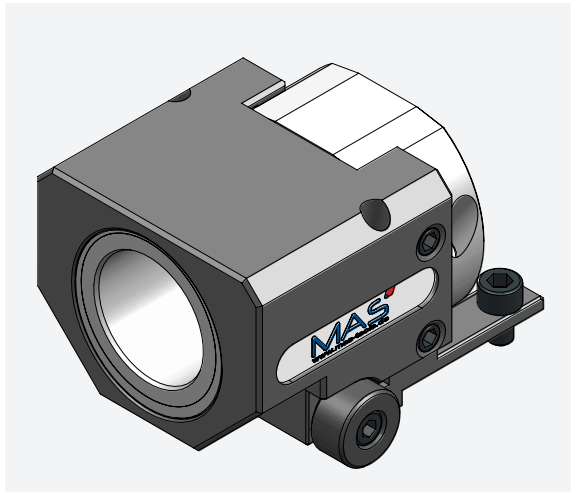


MEX<sup>®</sup>turn

# INDEX

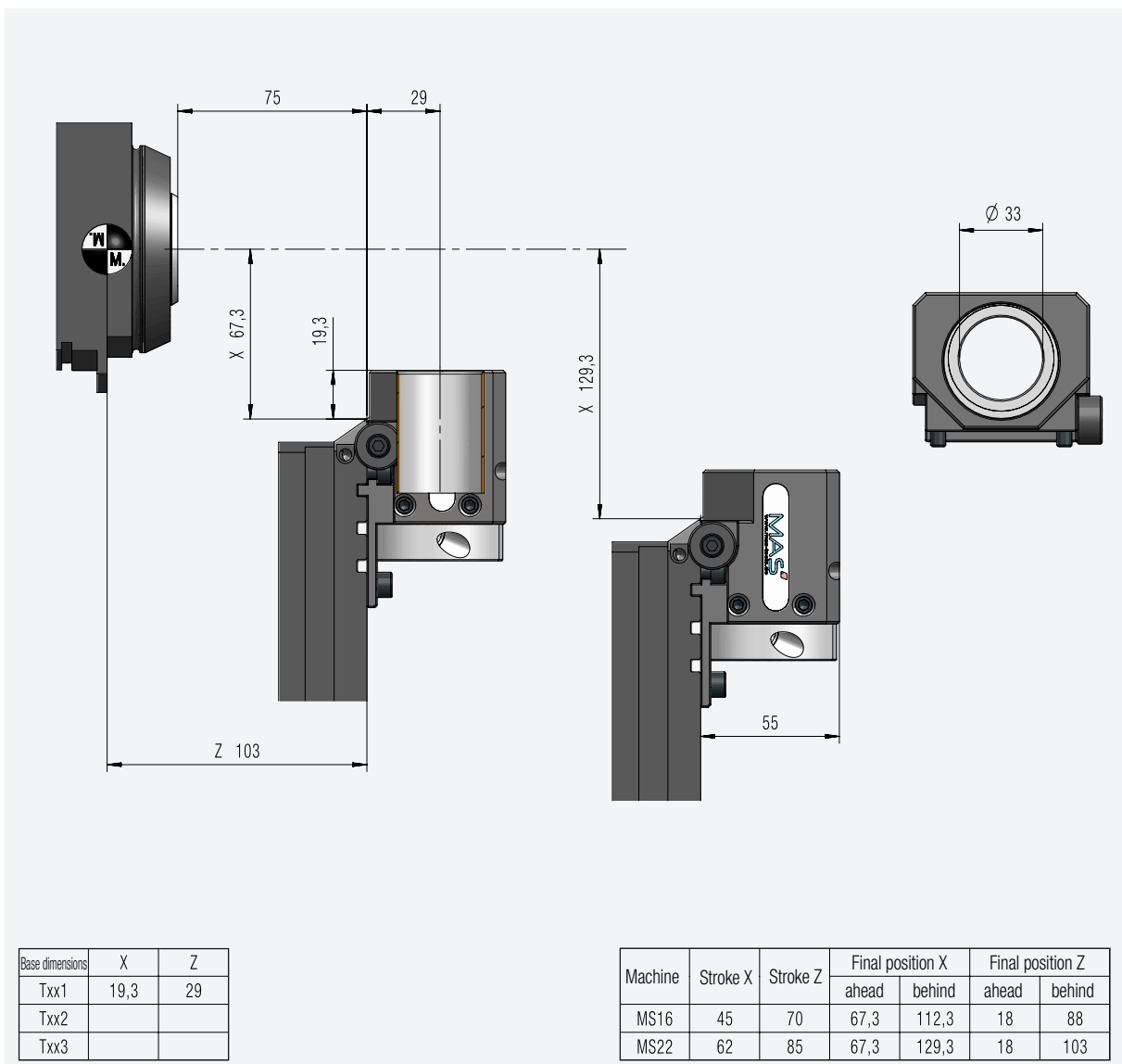
## MS22

### MEX-holder 1x / HFS $\varnothing$ 33 mm



MAS-ID	Order number	Stock
Z00 000 149	MEX33-MS22-1-S539H	●

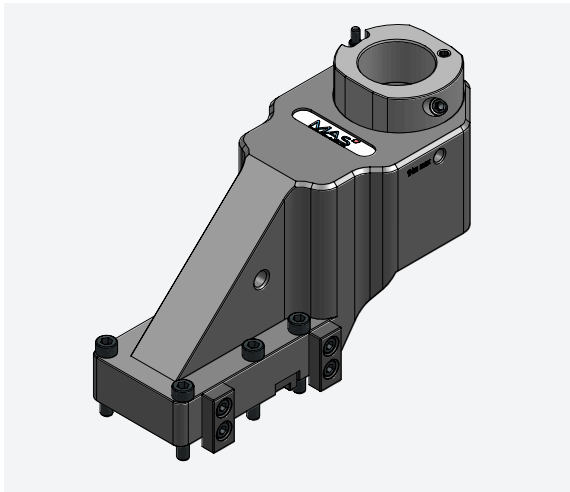
Accessories, see from page 110 ● in stock ○ on request



# INDEX

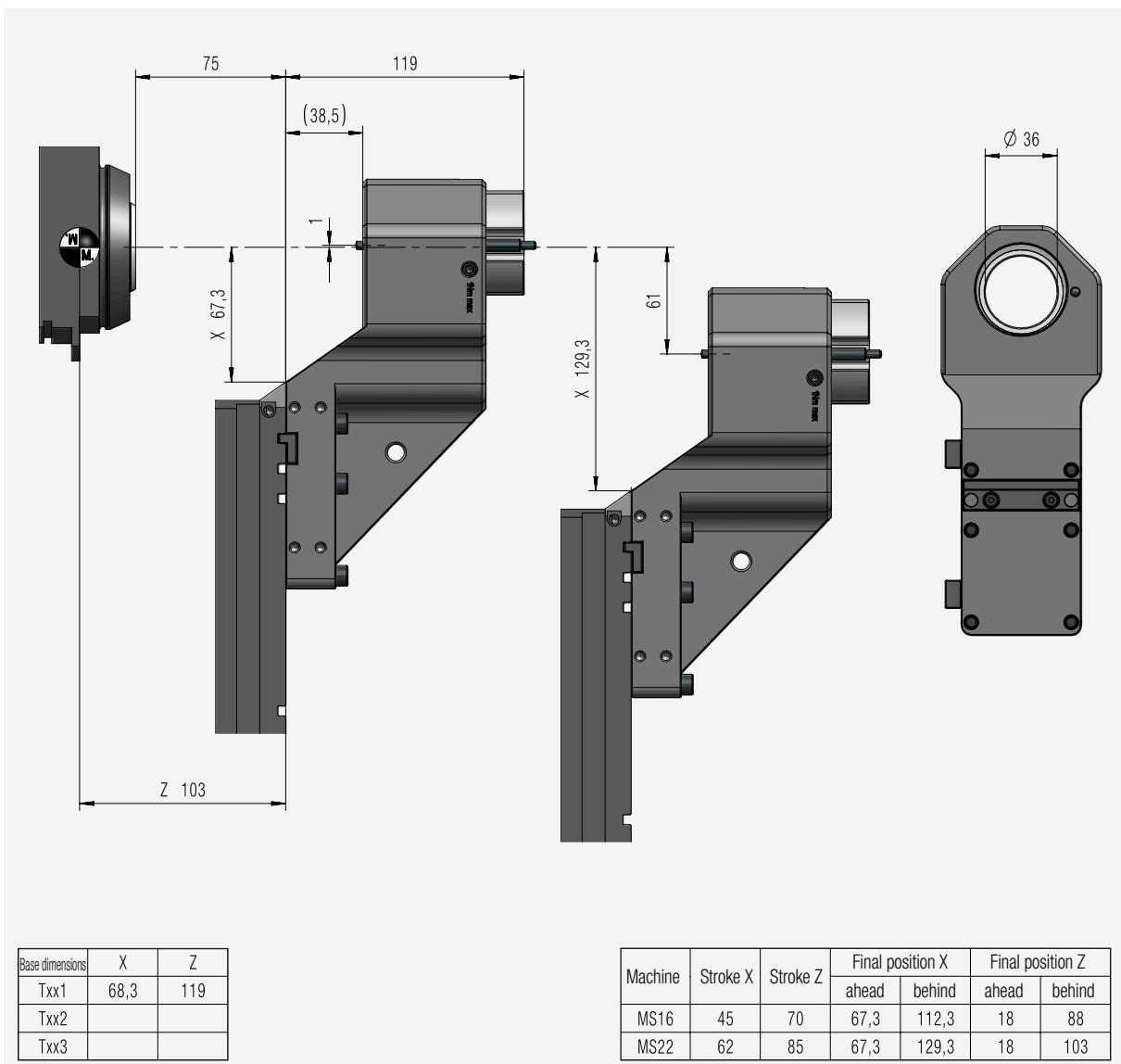
## MS22

### MEX-holder 1x / quill $\varnothing$ 36mm



MAS-ID	Order number	Stock
Z00 000 083	MEX36-MS22-1-S292H	●

Accessories, see from page 110 ● in stock ○ on request

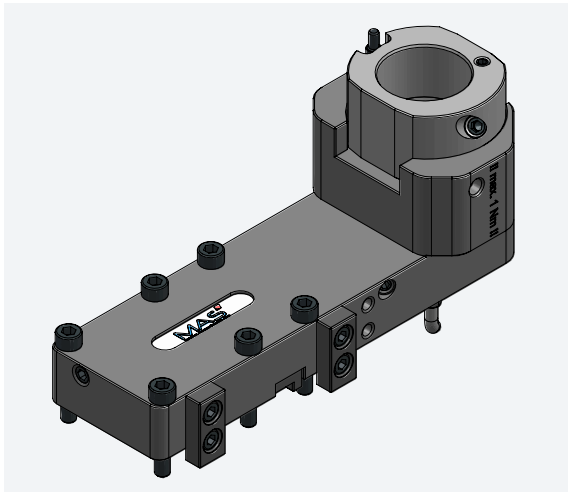


MEX<sup>®</sup>turn

# INDEX

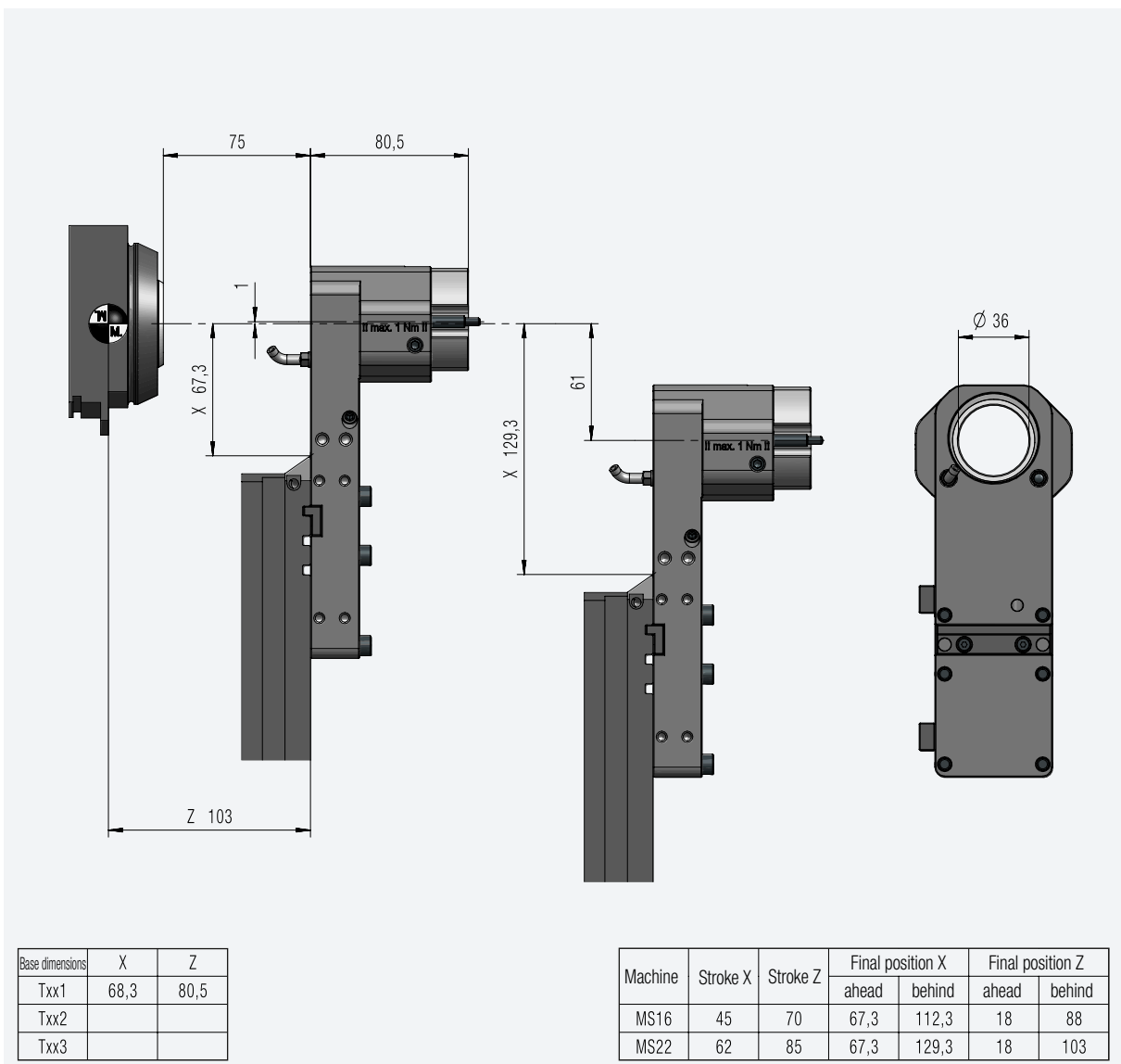
## MS22

### MEX-holder 1x / quill $\varnothing 36$ mm



MAS-ID	Order number	Stock
Z00 000 086	MEX36-MS22-1-S615H	●

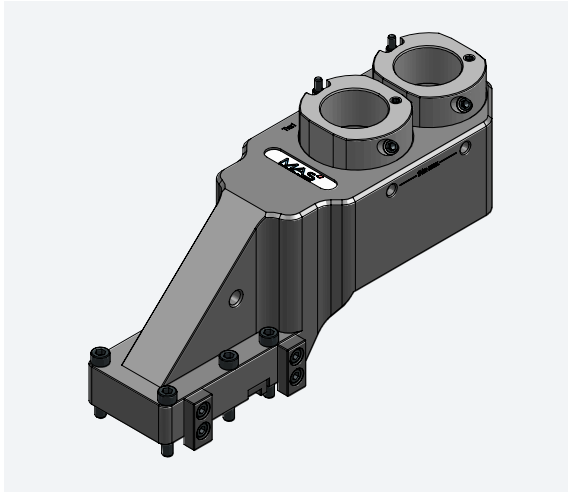
Accessories, see from page 110 ● in stock ○ on request



# INDEX

## MS22

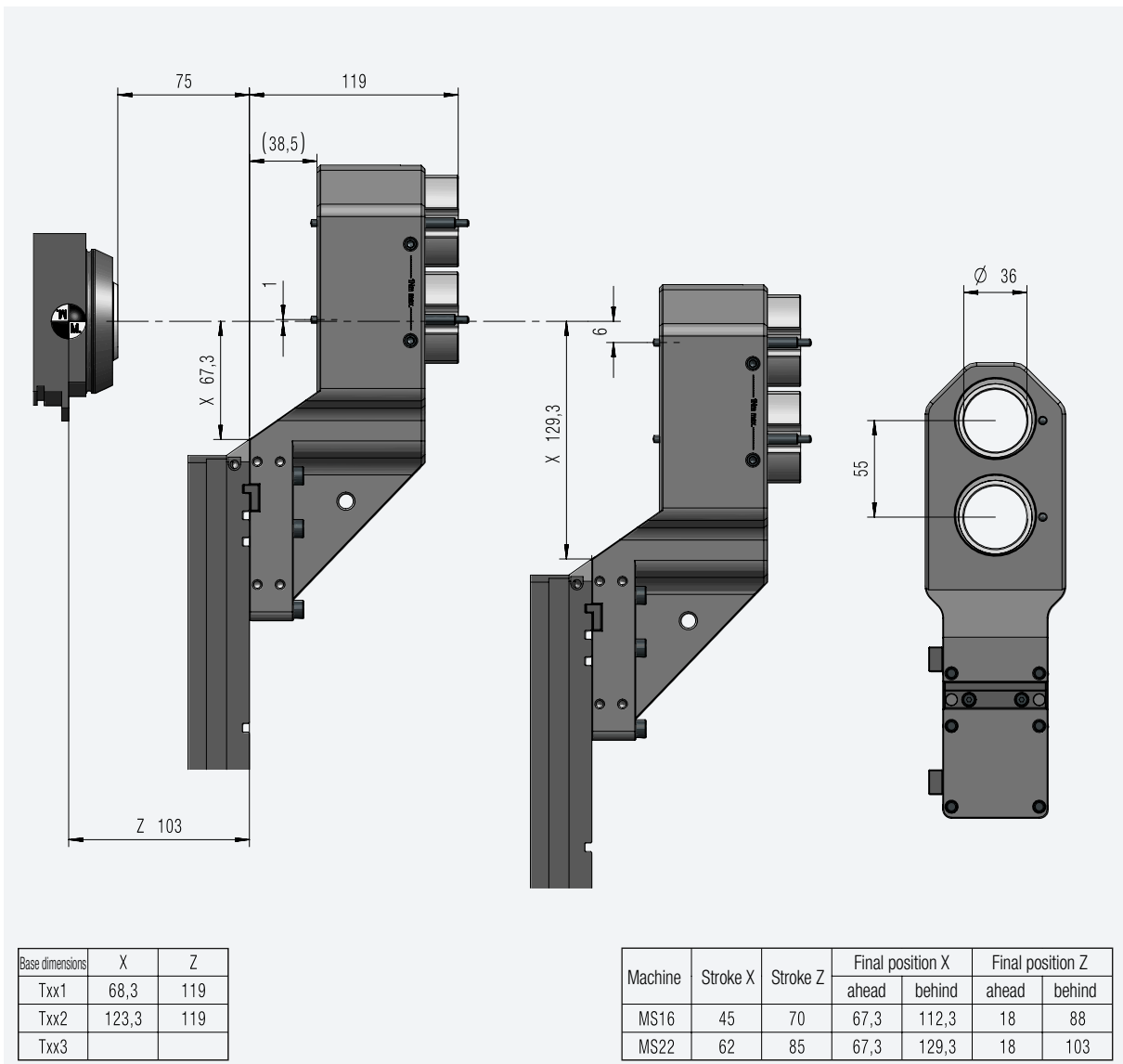
### MEX-holder 2x / quill $\varnothing 36$ mm



MAS-ID	Order number	Stock
Z00 000 084	MEX36-MS22-2-S297H	●

Accessories, see from page 110 ● in stock ○ on request

- This holder can also be used on the INDEX MS18 with limitations.

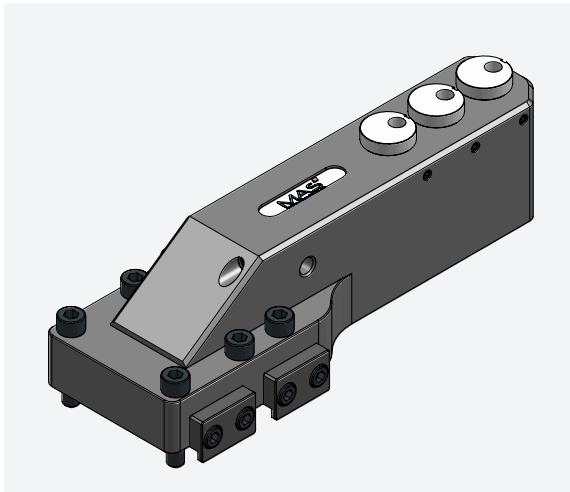


MEX<sup>®</sup>turn

# INDEX

## MS32

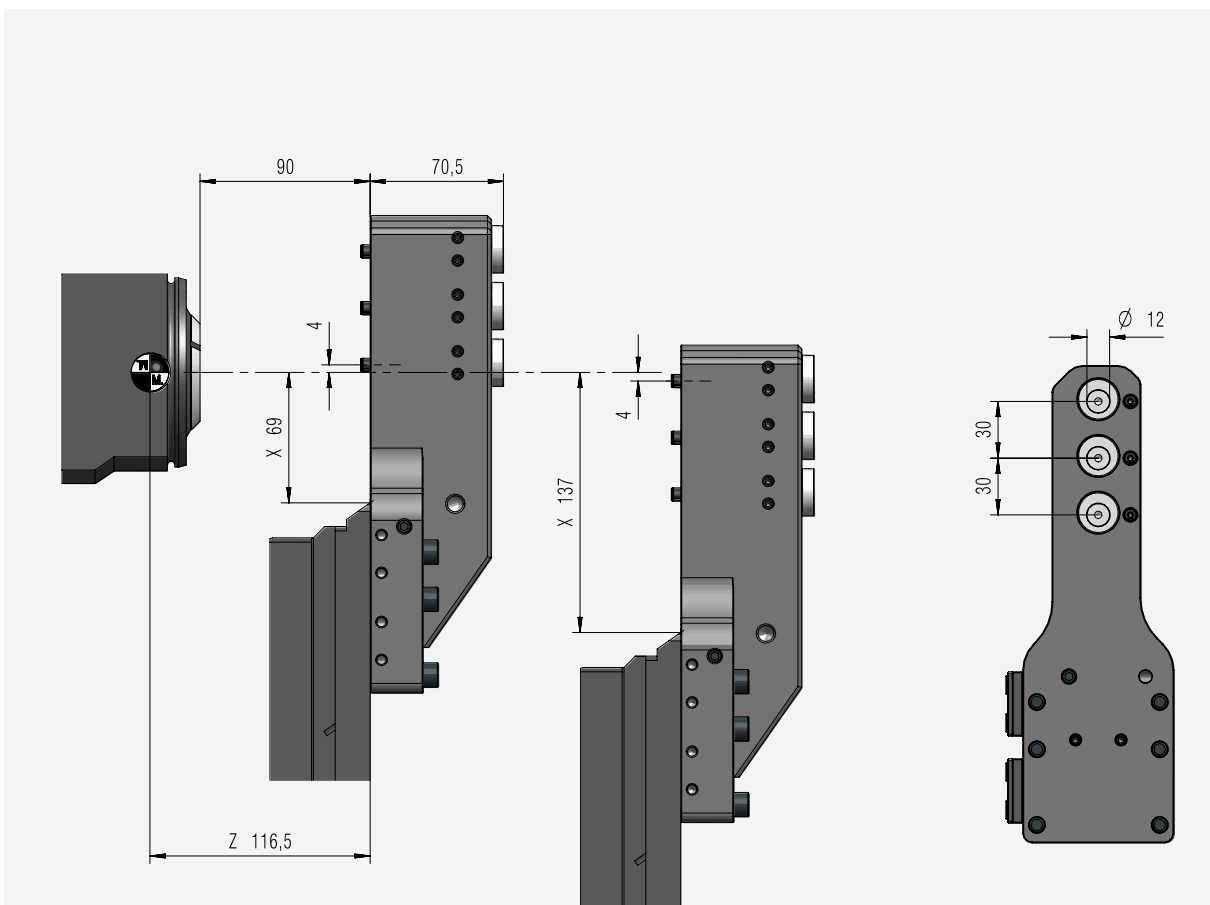
### MEX-holder 3x / clamping $\varnothing 12$ mm



MAS-ID	Order number	Stock
Z00 000 078	MEX12-MS32-3-S259H	●

Accessories, see from page 110 ● in stock ○ on request

- Includes internal cooling via slide



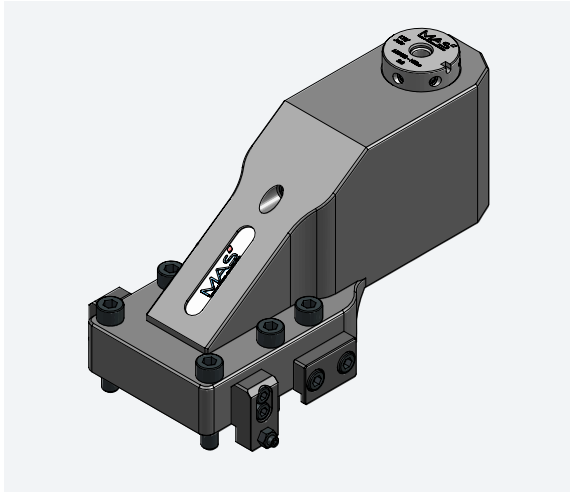
Base dimensions	X	Z
Txx1	73	0
Txx2	103	0
Txx3	133	0

Machine	Stroke X	Stroke Z	Final position X		Final position Z	
			ahead	behind	ahead	behind
MS32	68	100	69	137	16,5	116,5
MS40	73	120	69	142	40	160

# INDEX

## MS32

### MEX-holder 1x/ clamping $\varnothing 20$ mm



MAS-ID	Order number	Stock
Z00 000 529	MEX20-MS32-VX80-Z529	○

Accessories, see from page 110 ● in stock ○ on request

- Internal cooling via MEX20 sleeve (G1/8")
- For rigid slides 1.2 & 2.1 for INDEX MS32
- Fine adjustment of x using MEX
- Fine adjustment of y using dovetail

Base dimensions	X	Z
	Txx1	80
Txx2		
Txx3		

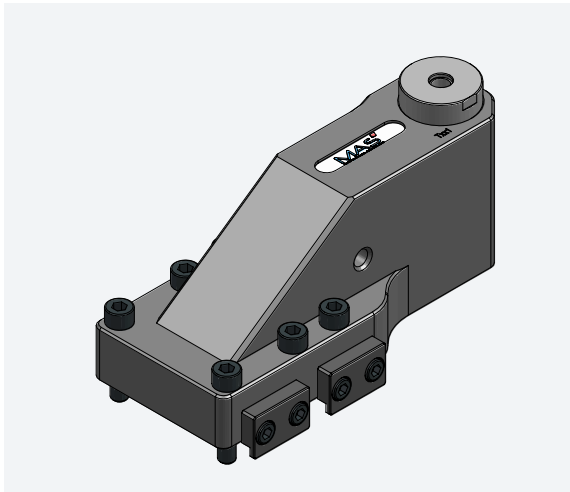
Machine	Stroke X	Stroke Z	Final position X		Final position Z	
			ahead	behind	ahead	behind
MS32	68	100	69	137	16,5	116,5
MS40	73	120	69	142	40	160

MEX<sup>®</sup>turn

# INDEX

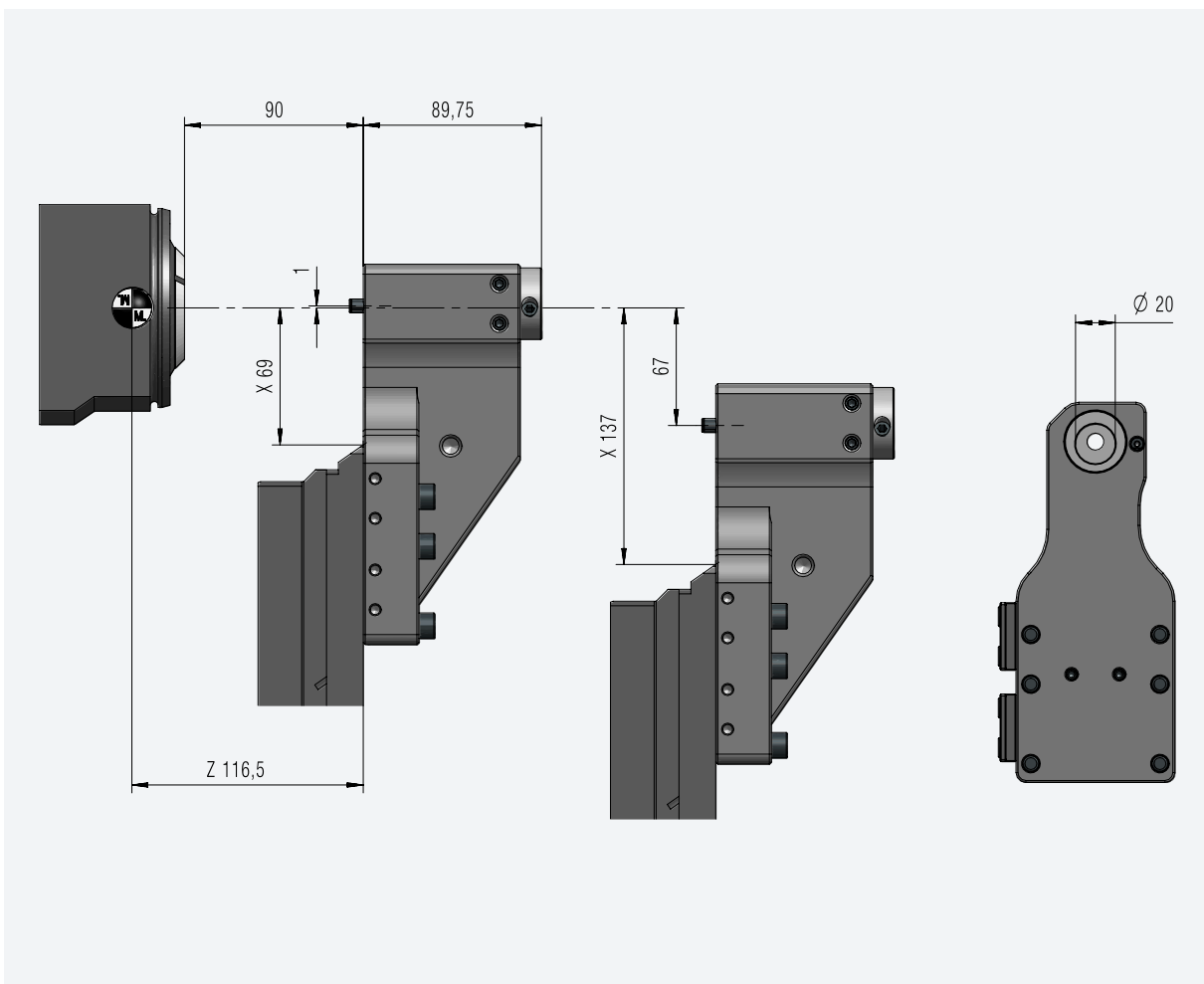
## MS32

### MEX-holder 1x / clamping $\varnothing 20$ mm



MAS-ID	Order number	Stock
Z00 000 187	MEX20-MS32-1-Z187	●

Accessories, see from page 110 ● in stock ○ on request



Base dimensions	X	Z
Txx1	70	0
Txx2		
Txx3		

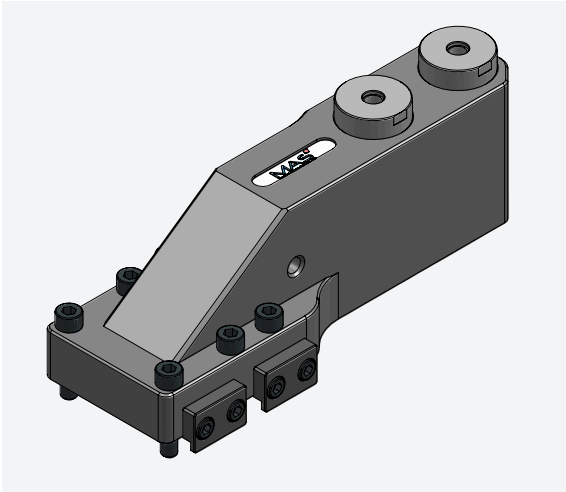
Machine	Stroke X	Stroke Z	Final position X		Final position Z	
			ahead	behind	ahead	behind
MS32	68	100	69	137	16,5	116,5
MS40	73	120	69	142	40	160



# INDEX

## MS32

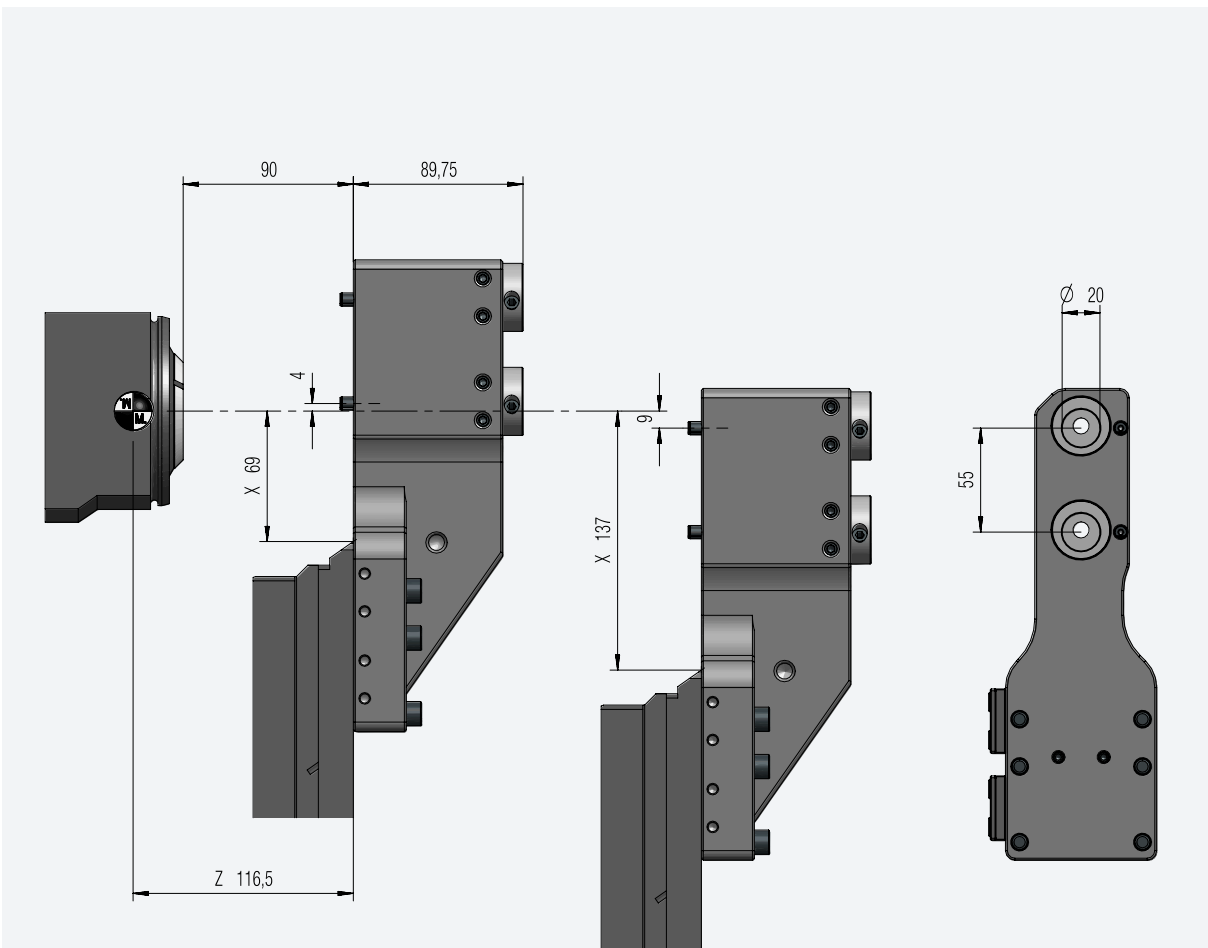
### MEX-holder 2x / clamping $\varnothing 20$ mm



MAS-ID	Order number	Stock
Z00 000 205	MEX20-MS32-2-Z205	●

Accessories, see from page 110 ● in stock ○ on request

- Internal cooling via MEX20 sleeve (G1/8")



Base dimensions	X	Z
Txx1	73	0
Txx2	128	0
Txx3		

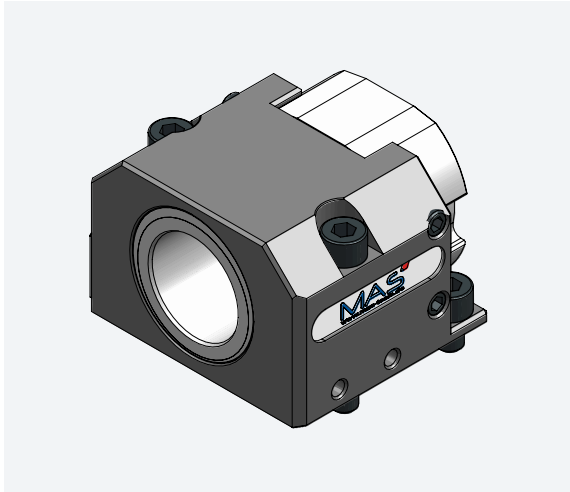
Machine	Stroke X	Stroke Z	Final position X		Final position Z	
			ahead	behind	ahead	behind
MS32	68	100	69	137	16,5	116,5
MS40	73	120	69	142	40	160

MEX<sup>®</sup>turn

# INDEX

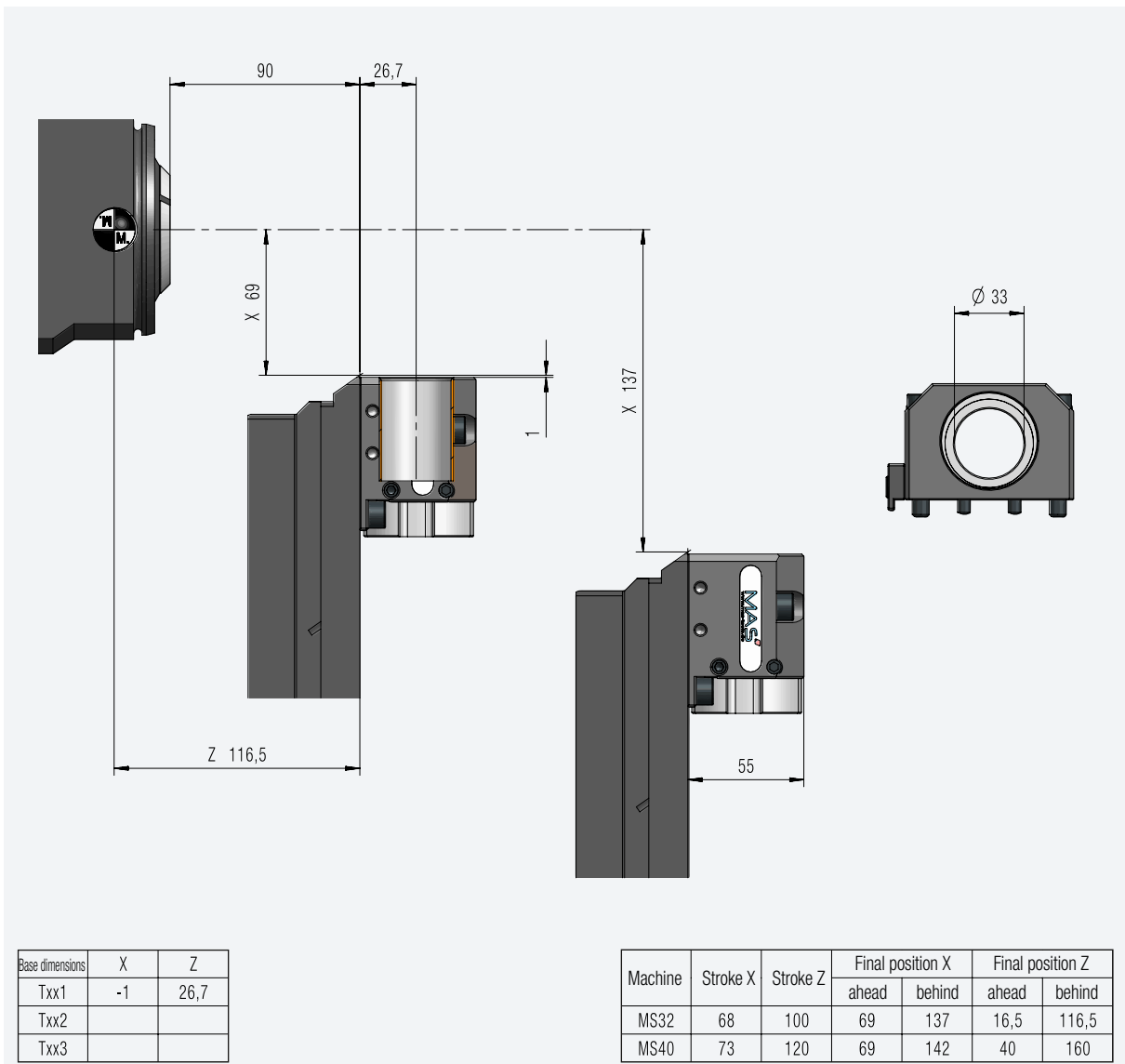
## MS32

### MEX-holder 1x / HFS $\varnothing 33$ mm



MAS-ID	Order number	Stock
Z00 000 148	MEX33-MS32-1-S463H	●

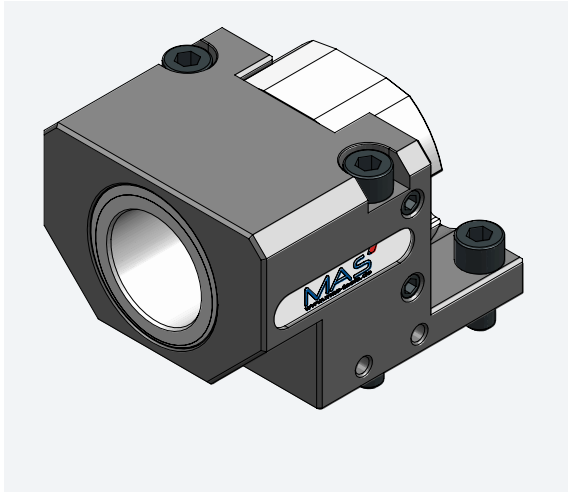
Accessories, see from page 110 ● in stock ○ on request



# INDEX

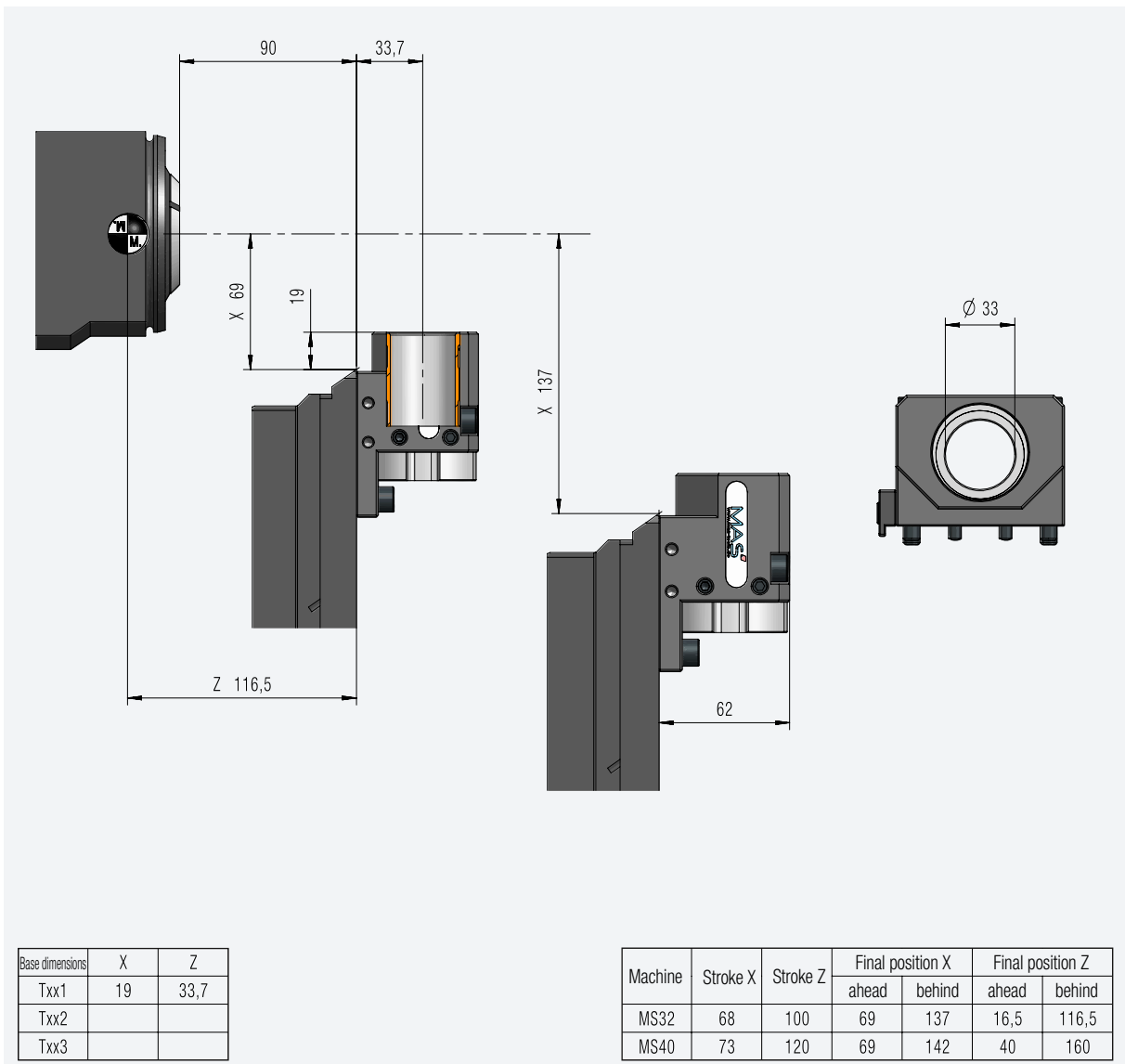
## MS32

### MEX-holder 1x / HFS $\varnothing 33$ mm



MAS-ID	Order number	Stock
Z00 000 147	MEX33-MS32-1-S519H	●

Accessories, see from page 110 ● in stock ○ on request



MEX<sup>®</sup>turn

# INDEX

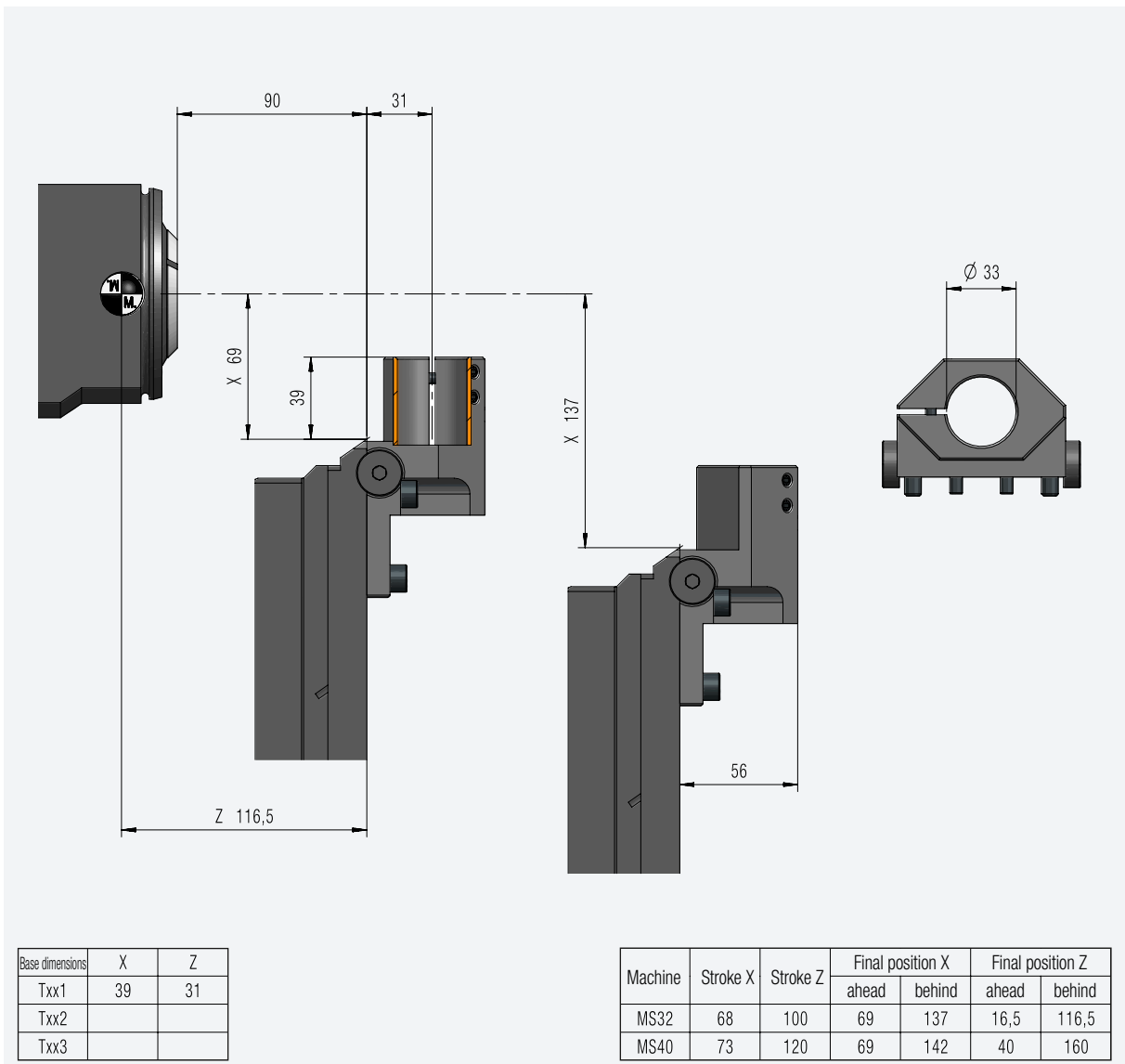
## MS32

### MEX-holder 1x / HFS $\varnothing 33$ mm



MAS-ID	Order number	Stock
Z00 000 140	MEX33-MS32-1-S540	●

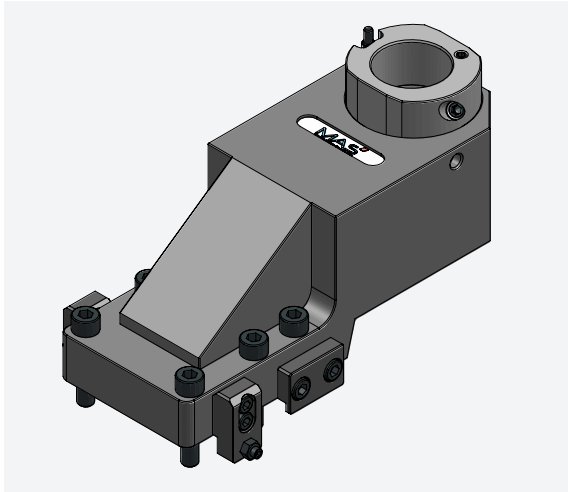
Accessories, see from page 110 ● in stock ○ on request



# INDEX

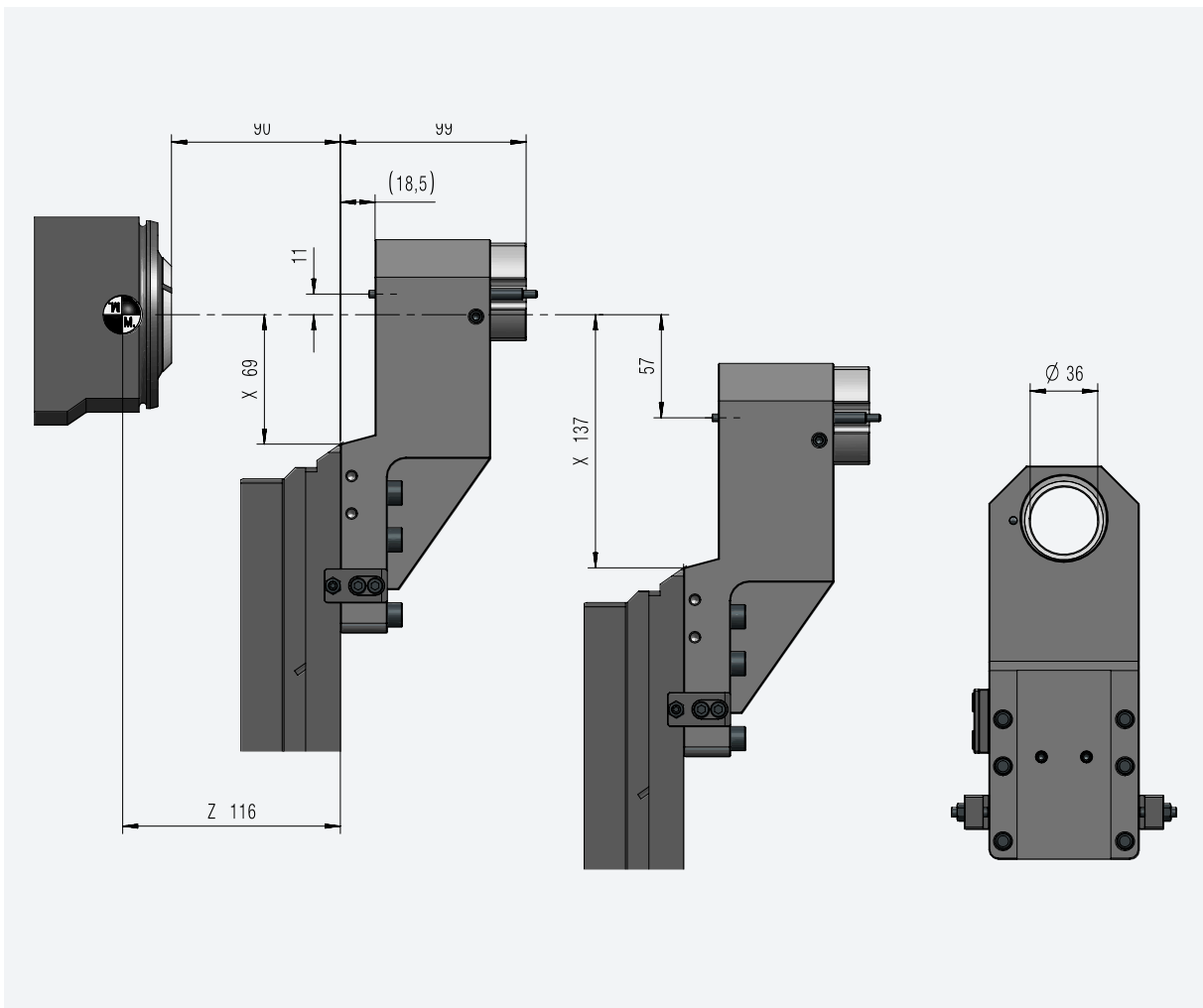
## MS32

### MEX-holder 1x / clamping $\varnothing 36$ mm



MAS-ID	Order number	Stock
Z00 000 015	MEX36-MS32-1-Z15	●

Accessories, see from page 110 ● in stock ○ on request



Base dimensions	X	Z
Txx1	80	99
Txx2		
Txx3		

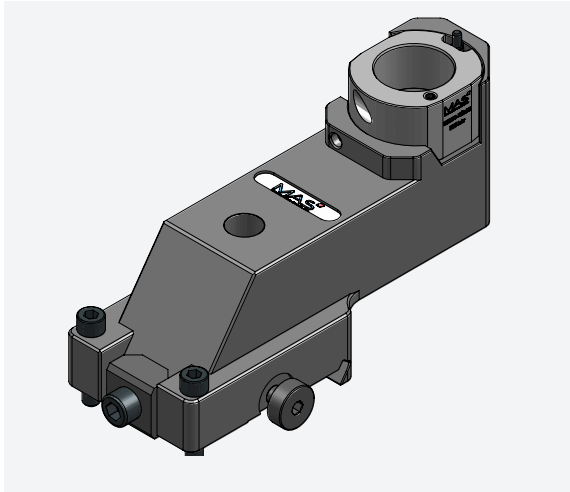
Machine	Stroke X	Stroke Z	Final position X		Final position Z	
			ahead	behind	ahead	behind
MS32	68	100	69	137	16,5	116,5
MS40	73	120	69	142	40	160

MEX<sup>®</sup>turn

# INDEX

## MS32

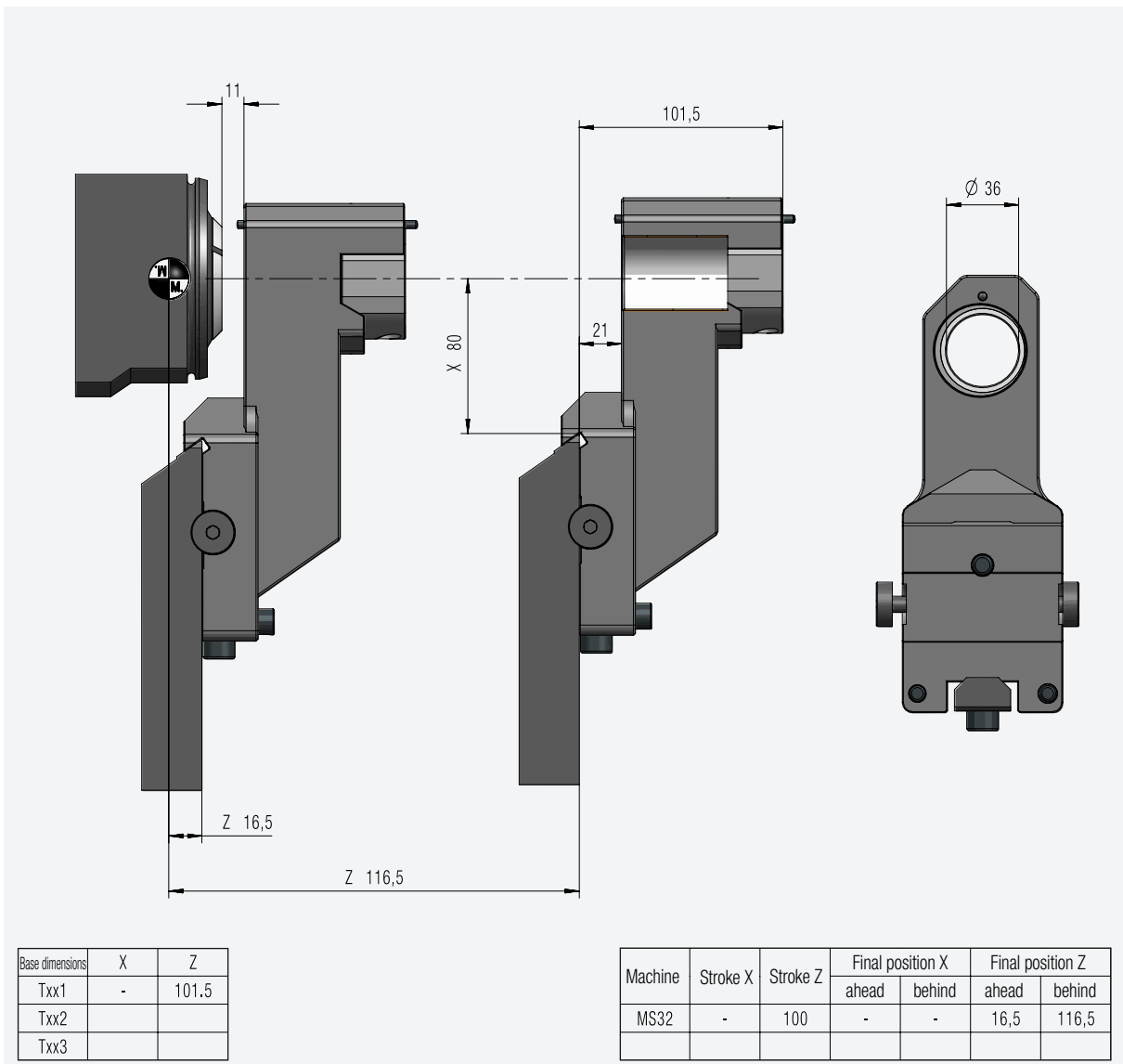
### MEX-holder 1x / quill $\varnothing 36$ mm



Order number	Stock
MEX36-MS32-VX-S384H	○

Accessories, see from page 110 ● in stock ○ on request

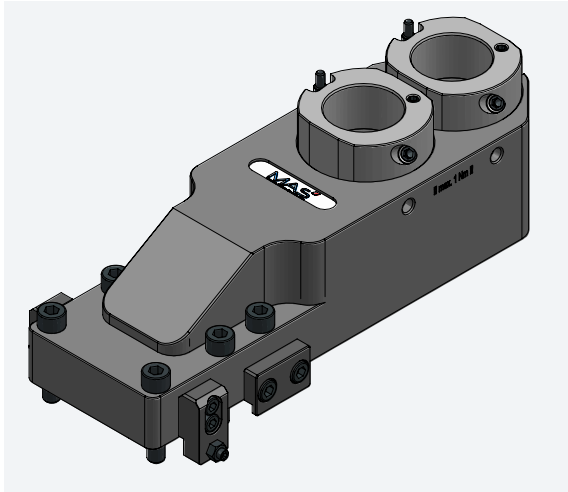
- For rigid slides 1.2 & 2.1 for INDEX MS32
- Fine adjustment of x using MEX
- Fine adjustment of y using dovetail



# INDEX

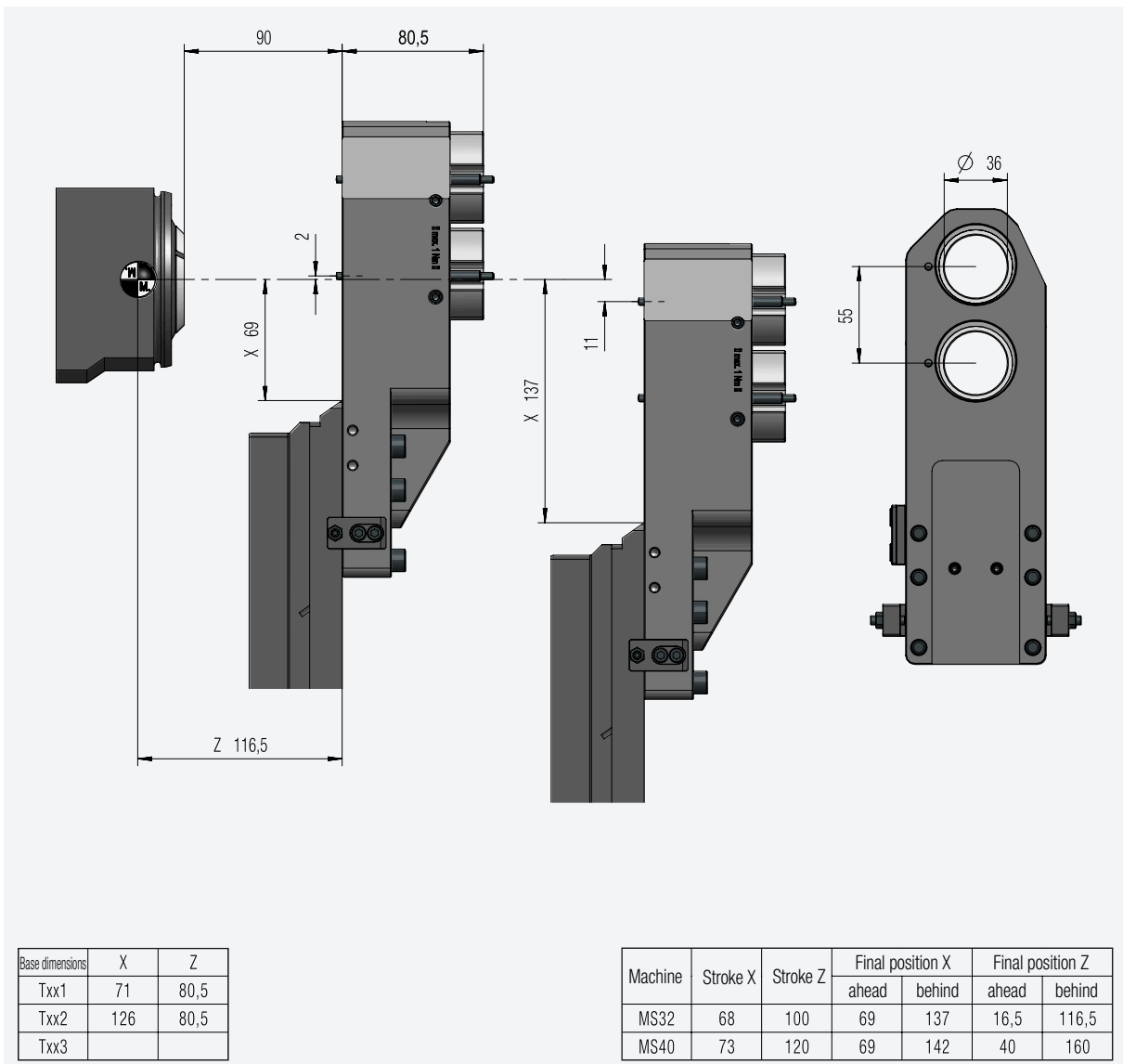
## MS 32

### MEX-holder 2x / quill $\varnothing 36$ mm



MAS-ID	Order number	Stock
Z00 000 016	MEX36-MS32-2-Z16	●

Accessories, see from page 110 ● in stock ○ on request

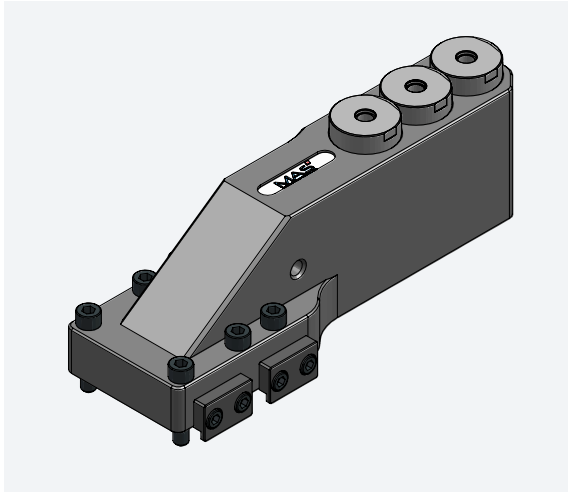


MEX<sup>®</sup>turn

# INDEX

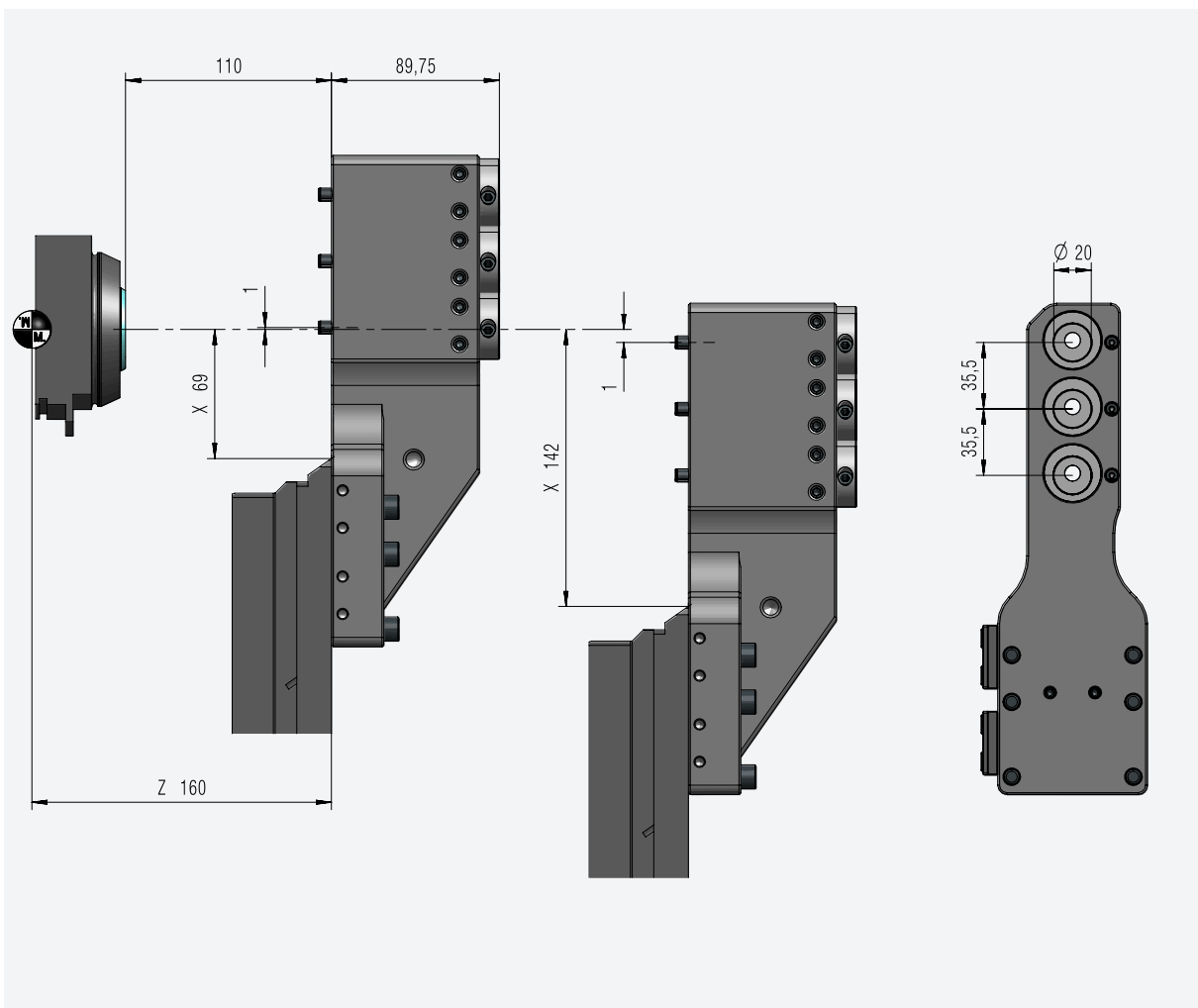
## MS40

### MEX-holder 3x / clamping $\varnothing 20$ mm



MAS-ID	Order number	Stock
Z00 000 074	MEX20-MS40-3-S491H	●

Accessories, see from page 110 ● in stock ○ on request



Base dimensions	X	Z
Txx1	70	0
Txx2	105,5	0
Txx3	141	0

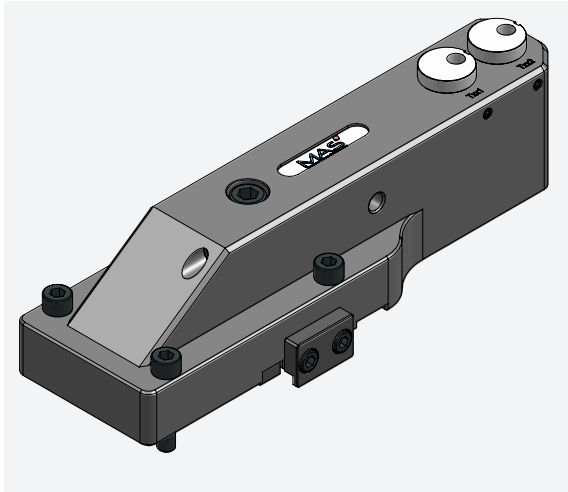
Machine	Stroke X	Stroke Z	Final position X		Final position Z	
			ahead	behind	ahead	behind
MS32	68	100	69	137	16,5	116,5
MS40	73	120	69	142	40	160



# INDEX

## MS52

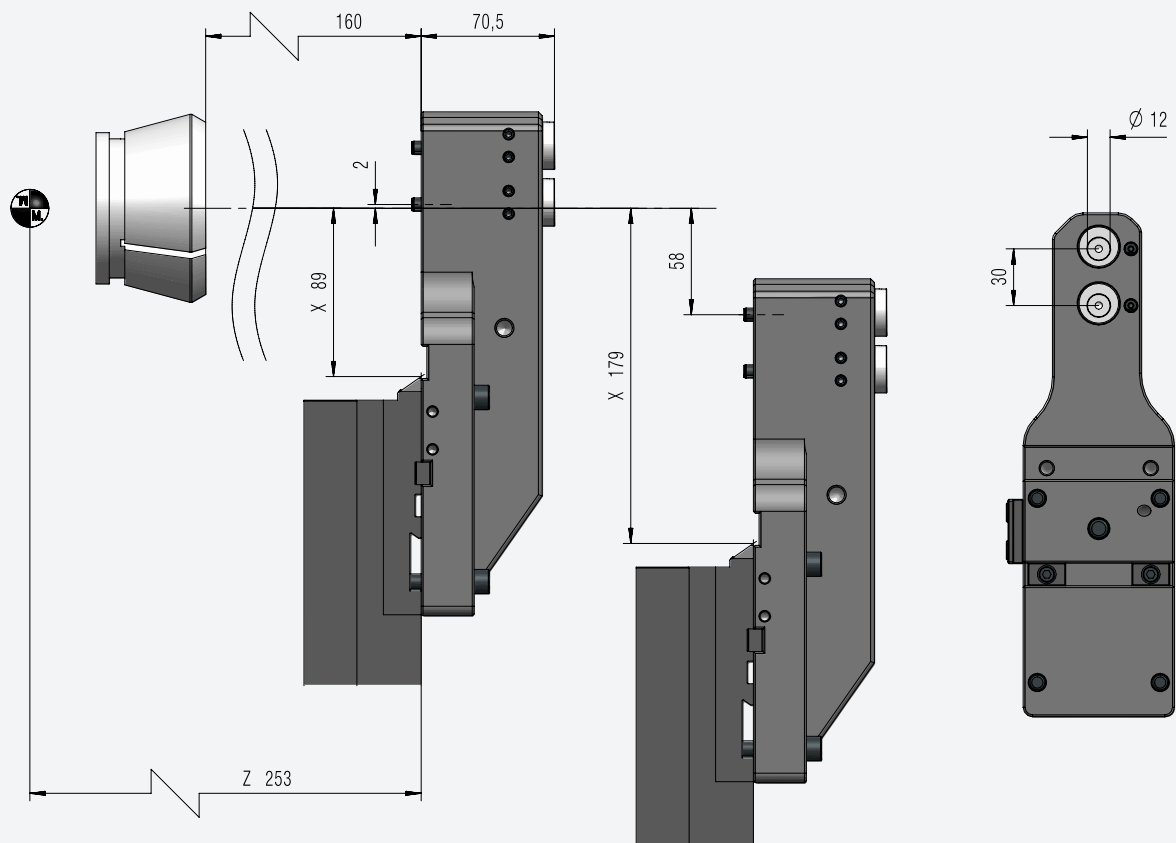
### MEX-holder 2x / clamping $\varnothing 12$ mm



MAS-ID	Order number	Stock
Z00 000 099	MEX12-MS52-2-S365H	○

Accessories, see from page 110 ● in stock ○ on request

- Includes internal cooling via slide



Base dimensions	X	Z
Txx1	91	0
Txx2	121	0
Txx3		

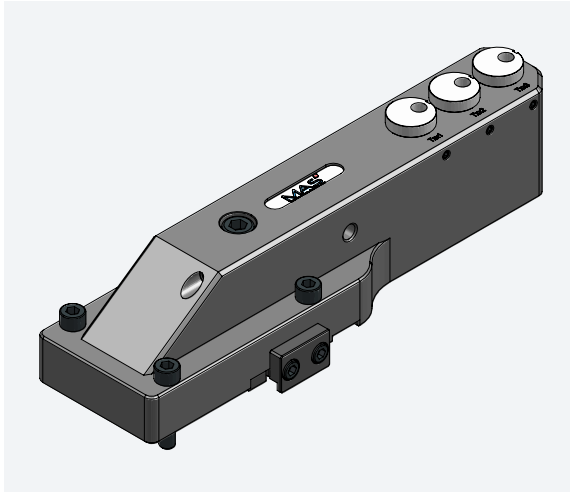
Machine	Stroke X	Stroke Z	Final position X		Final position Z	
			ahead	behind	ahead	behind
MS52	90	160	89	179	93	253

MEX<sup>®</sup>turn

# INDEX

## MS52

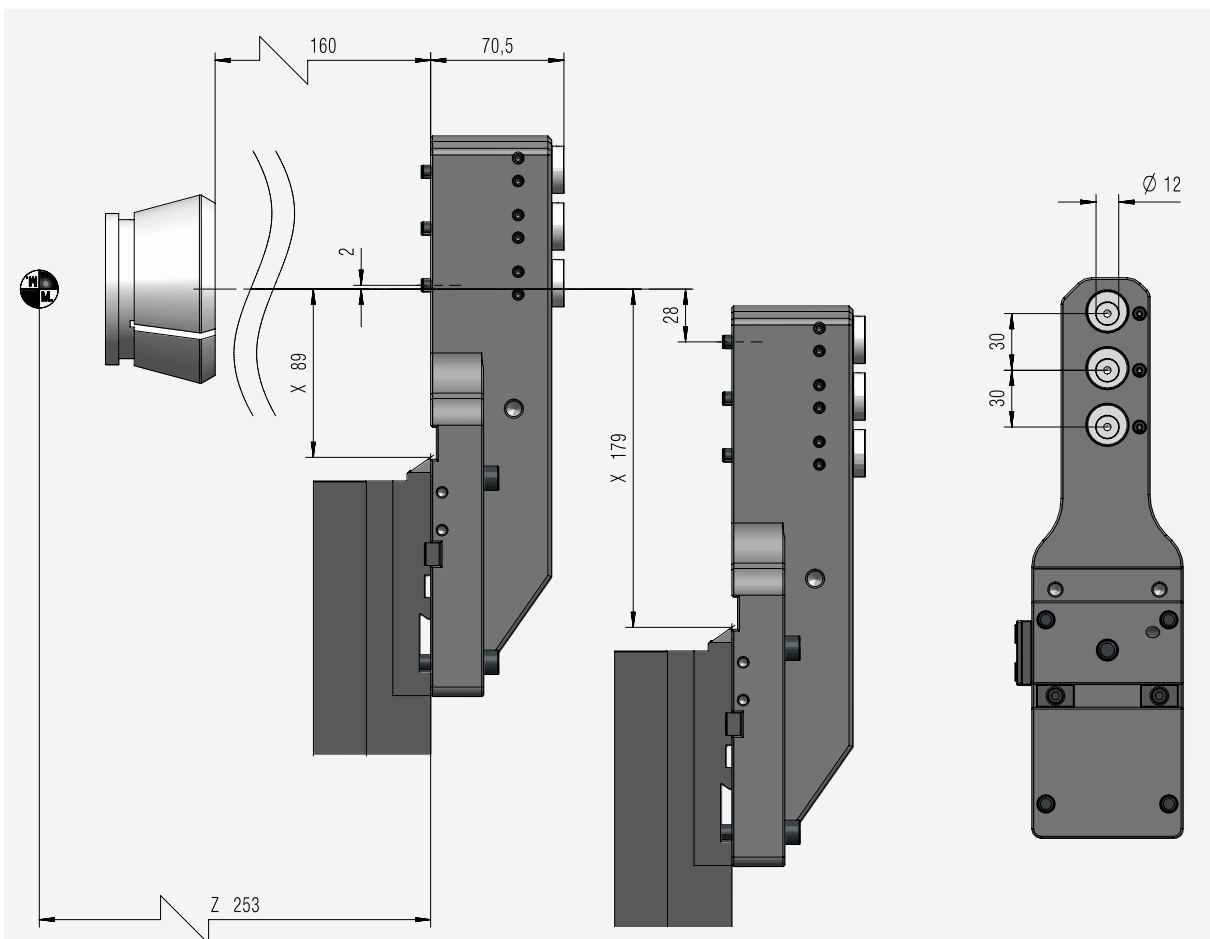
### MEX-holder 3x / clamping $\varnothing 12$ mm



MAS-ID	Order number	Stock
Z00 000 096	MEX12-MS52-3-S366H	<input type="radio"/>

Accessories, see from page 110 ● in stock ○ on request

- Includes internal cooling via slide



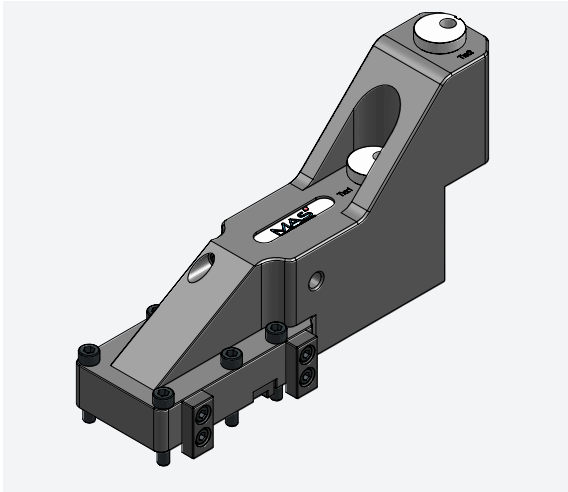
Base dimensions	X	Z
Txx1	91	0
Txx2	121	0
Txx3	151	0

Machine	Stroke X	Stroke Z	Final position X		Final position Z	
			ahead	behind	ahead	behind
MS52	90	160	89	179	93	253

# INDEX special solutions

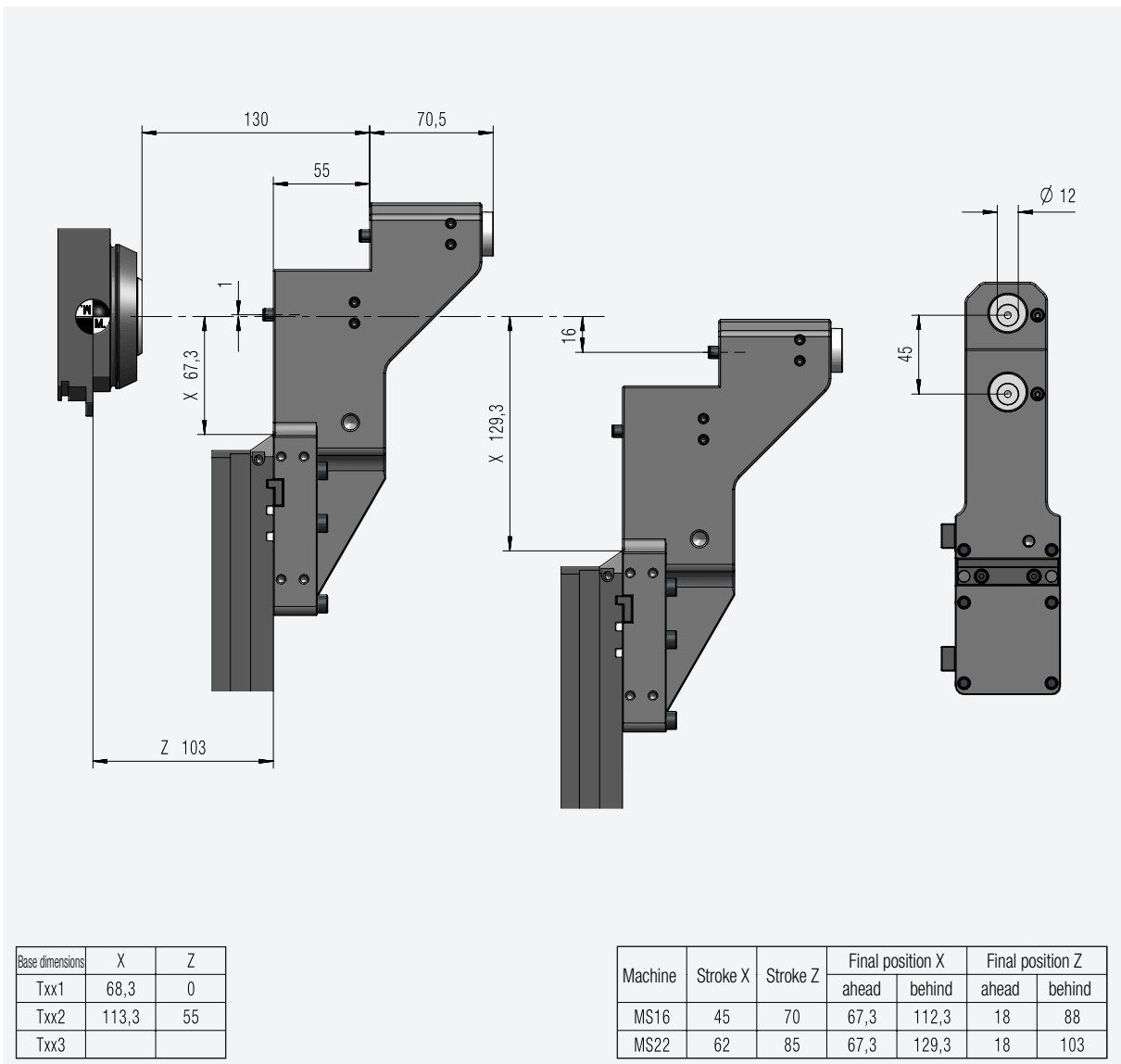
## MS22

### MEX-holder 2x / clamping $\varnothing 12$ mm



MAS-ID	Order number	Stock
Z00 000 153	MEX12-MS22-2-S541H	○

Accessories, see from page 110 ● in stock ○ on request

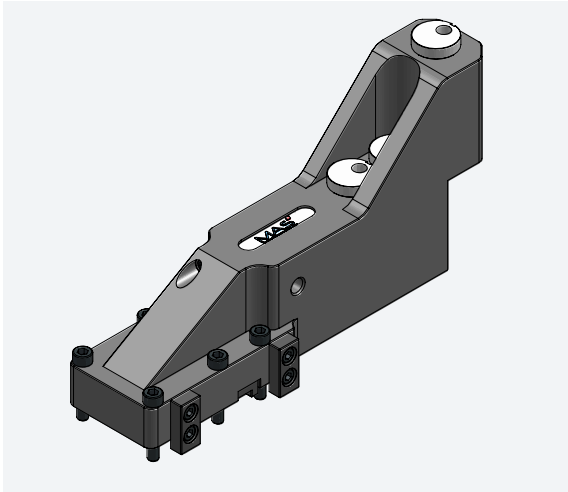


MEX<sup>®</sup>turn

# INDEX special solutions

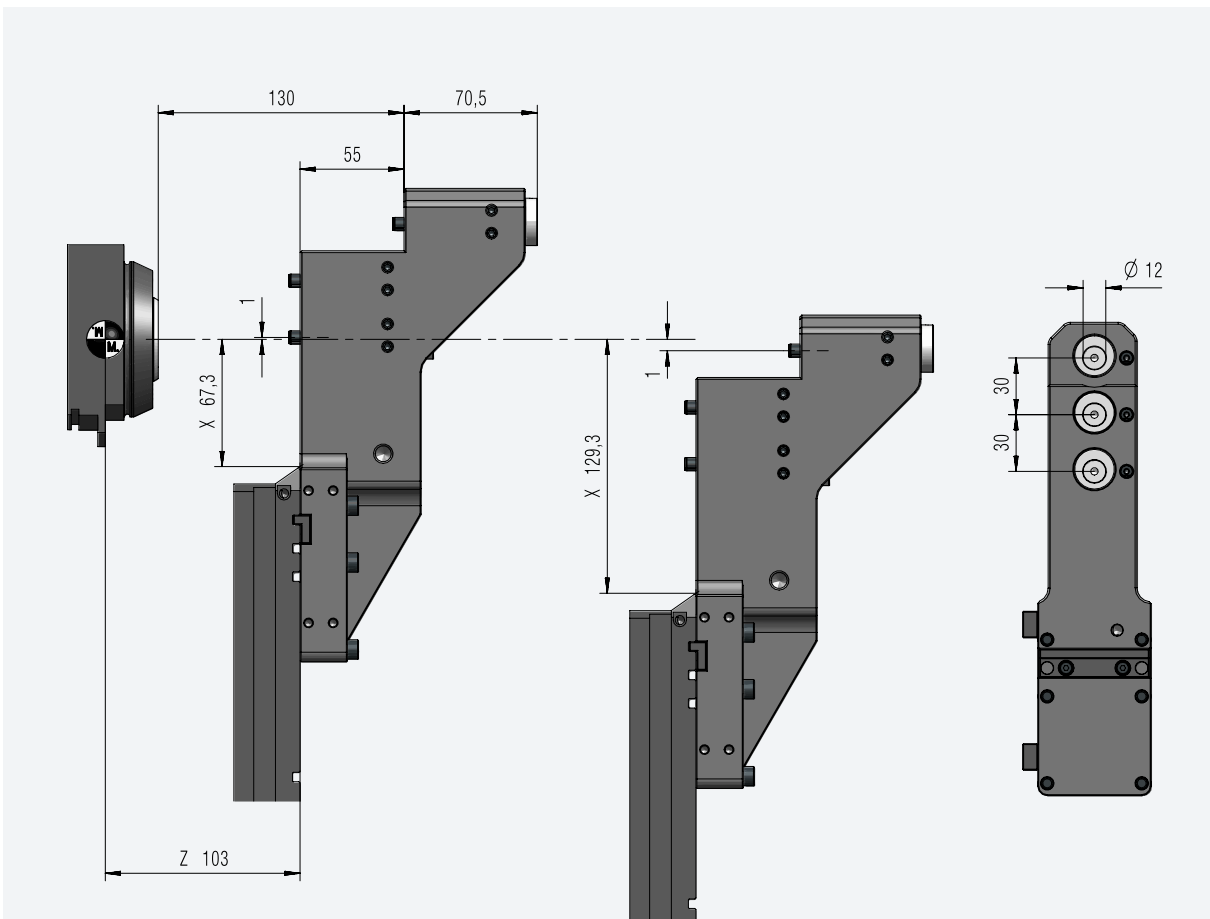
## MS22

### MEX-holder 3x/ clamping $\varnothing 12$ mm



MAS-ID	Order number	Stock
Z00 000 139	MEX12-MS22-3-S551H	○

Accessories, see from page 110 ● in stock ○ on request



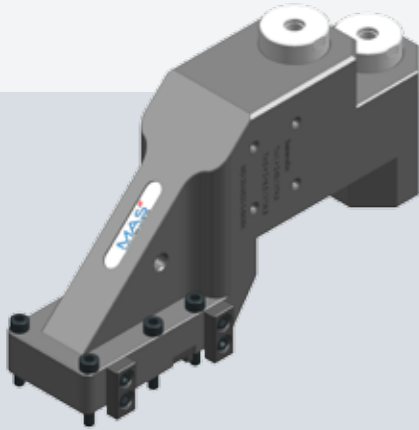
Base dimensions	X	Z
Txx1	68,3	0
Txx2	98,3	0
Txx3	128,3	55

Machine	Stroke X	Stroke Z	Final position X		Final position Z	
			ahead	behind	ahead	behind
MS16	45	70	67,3	112,3	18	88
MS22	62	85	67,3	129,3	18	103

# INDEX special solutions

## MS 22

### MEX-holder 2x / clamping $\varnothing 20$ mm

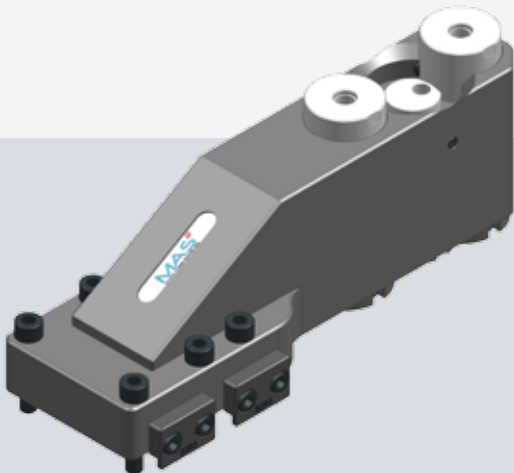


Order number	Stock
MEX20-MS22-2-S626H	<input type="radio"/>

Accessories, see from page 110  in stock  on request

## MS 40

### MEX-holder 3x / clamping $\varnothing 12$ and 20mm



Order number	Stock
MEX12-20-MS40-3-Z32	<input type="radio"/>

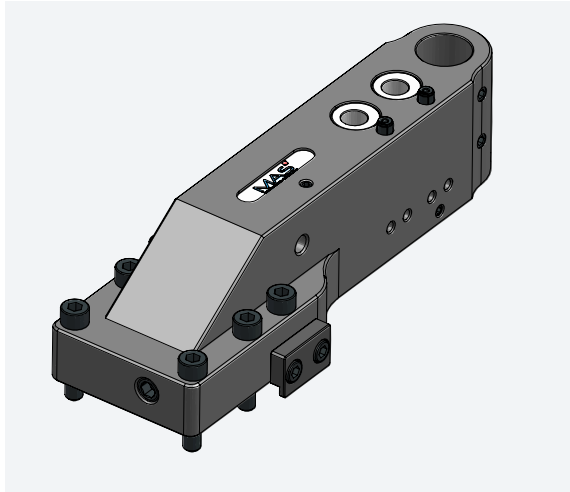
Accessories, see from page 110  in stock  on request

MEX<sup>®</sup>turn

# INDEX special solutions

## Special solutions MS 32P

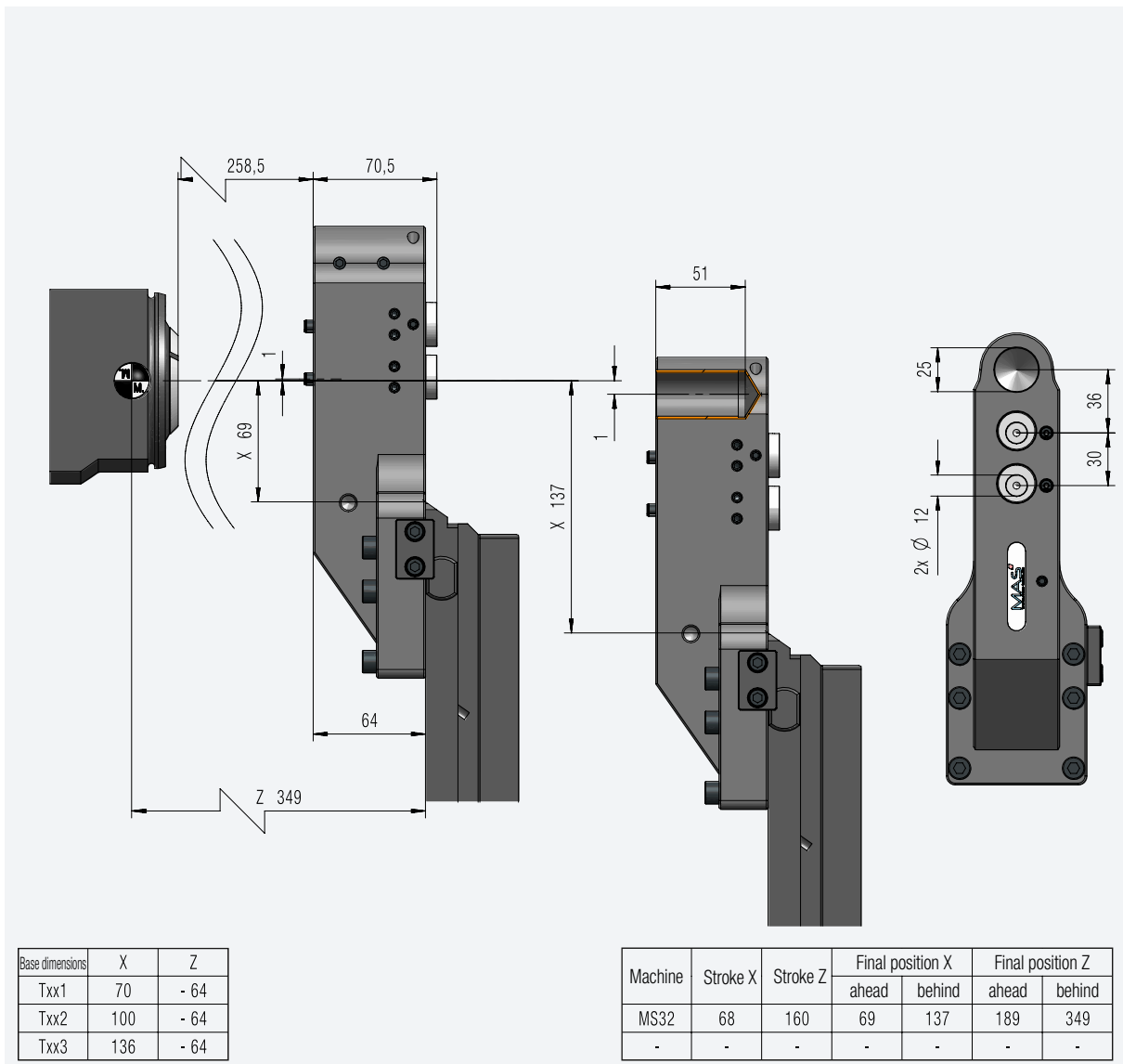
### MEX-holder 3x / clamping $\varnothing 12$ mm



MAS-ID	Order number	Stock
Z00 000 082	MEX12-MS32P-3-S284H	○

Accessories, see from page 110 ● in stock ○ on request

- Internal cooling separate for both MEX12 clamping points (high-pressure/low-pressure)
- Third clamping point cylindrical  $\varnothing 25$ mm for holding a live center for support

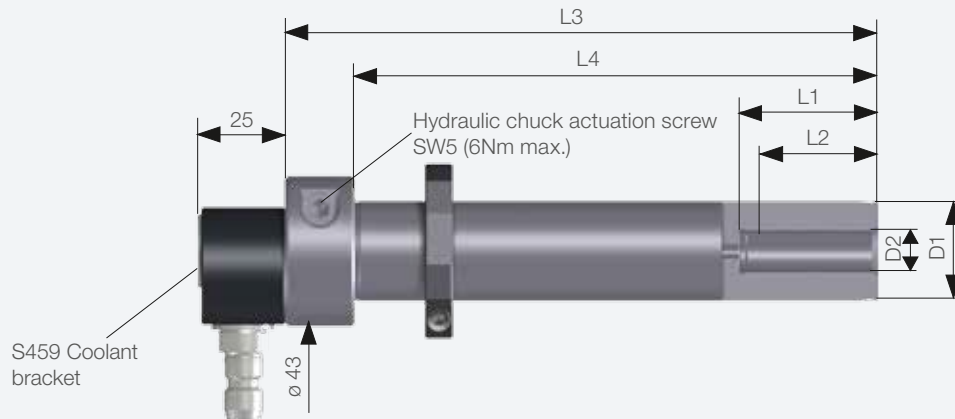


## Advantages of our hydroquill

- Quill can be positioned easily in hard-to-reach working spaces
- Clamp dampens vibrations for superior surfaces
- Very good concentricity of tools
- Precisely centered clamping
- Tool changes are quick and clean
- Excellently suited to forming, fiction and ultra-small tools

MEX®turn

## Hydroquill $\varnothing 28,5$ mm



- Includes S459 coolant angle and quick connector
- Includes MEX36 ring
- With shank tolerance h6

Fig. Hydroquill HP28.5-12-S424

Order number	D1	D2	L1 <sup>1)</sup>	L2 <sup>2)</sup>	L3	L4	Nm <sup>3)</sup>	Shank form	Stock
HP28.5-4-S424	28.5	4	20	15	170	150	6	HA	●
HP28.5-5-S424	28.5	5	37	31	170	150	6	HA	●
HP28.5-6-S424	28.5	6	40	30	170	150	6	HA	●
HP28.5-8-S424	28.5	8	40	30	170	150	17	HA	●
HP28.5-10-S424	28.5	10	40	37.5	170	150	38	HA	●
HP28.5-12-S424	28.5	12	45	37.5	170	150	60	HA,HB*,HE*	●
HP28.5-14-S424	28.5	14	55	52.5	170	150	120	HA,HB*,HE*	●
HP28.5-16-S424	28.5	16	55	52.5	170	150	155	HA,HB*,HE*	●

<sup>1)</sup> Clamping length max. <sup>2)</sup> Clamping length min. <sup>3)</sup> Transmissible torque

● in stock ○ on request

### Shank forms:

HA = Smooth shank  
HB = Weld-on clamp  
HE = Whistle Notch

### Concentricity:

Max. 0.006 mm measured at 3xD



### \* Please note:

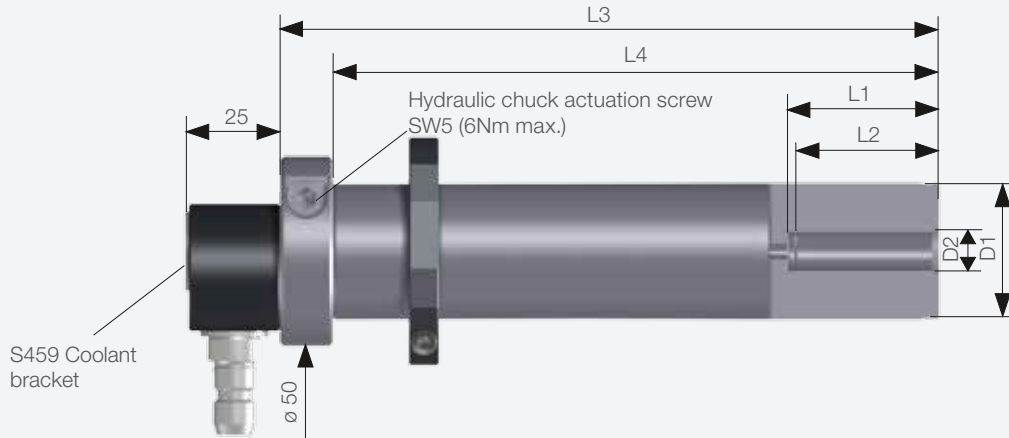
When using shank forms HB and HE, the clamping force is reduced by around 30%.

### Please note:

Quill can only be used in the INDEX twin holder  $\varnothing 28.5$  mm (W5190007) with restrictions! Axial distance of holder is just 34 mm.



## Hydroquill $\varnothing 36$ mm



- Includes S459 coolant angle and quick connector
- Includes MEX36 ring
- With shank tolerance h6

Fig. Hydroquill HP36-10-S424

Order number	D1	D2	L1 <sup>1)</sup>	L2 <sup>2)</sup>	L3	L4	Nm <sup>3)</sup>	Shank form	Stock
HP36-4-S424	36	4	20	15	172	160	6	HA	●
HP36-5-S424	36	5	37	31	172	160	6	HA	●
HP36-6-S424	36	6	40	30	174	160	6	HA	●
HP36-8-S424	36	8	40	30	174	160	17	HA	●
HP36-10-S424	36	10	40	37.5	174	160	38	HA	●
HP36-12-S424	36	12	45	37.5	174	160	60	HA,HB*,HE*	●
HP36-14-S424	36	14	55	52.5	174	160	120	HA,HB*,HE*	●
HP36-16-S424	36	16	55	52.5	174	160	155	HA,HB*,HE*	●
HP36-20-S424	36	20	55	52.5	174	160	260	HA,HB*,HE*	●

<sup>1)</sup> Clamping length max. <sup>2)</sup> Clamping length min. <sup>3)</sup> Transmissible torque

● in stock ○ on request

### Shank forms:

HA = Smooth shank  
HB = Weld-on clamp  
HE = Whistle Notch



### \* Please note:

When using shank forms HB and HE, the clamping force is reduced by around 30%.

MEX<sup>®</sup>turn

### Concentricity:

Max. 0.006 mm measured at 3xD

## Hydroquill $\varnothing 51$ mm

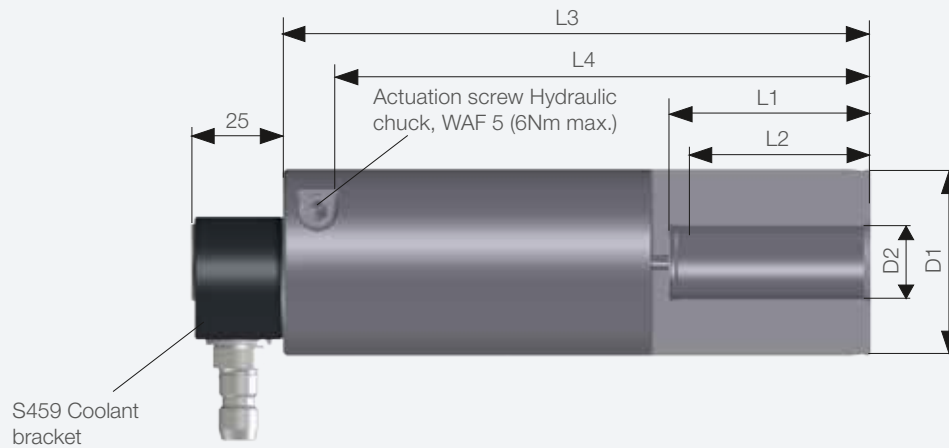


Fig. Hydroquill-28.5-12-S424

- Includes S459 coolant angle and quick connector
- No clamping ring available
- With shank tolerance h6

Order number	D1	D2	L1 <sup>1)</sup>	L2 <sup>2)</sup>	L3	L4	Nm <sup>3)</sup>	Shank form	Stock
HP51-10-S424	51	10	40	37,5	160	145	38	HA	●
HP51-12-S424	51	12	40	37,5	160	145	60	HA,HB*,HE*	●
HP51-14-S424	51	14	55	52,5	160	145	120	HA,HB*,HE*	●
HP51-16-S424	51	16	55	52,5	160	145	155	HA,HB*,HE*	●
HP51-20-S424	51	20	55	52,5	160	145	260	HA,HB*,HE*	●

<sup>1)</sup> Clamping length max. <sup>2)</sup> Clamping length min. <sup>3)</sup> Transmissible torque

● in stock ○ on request

### Shank forms:

HA = Smooth shank  
HB = Weld-on clamp  
HE = Whistle Notch



### \* Please note:

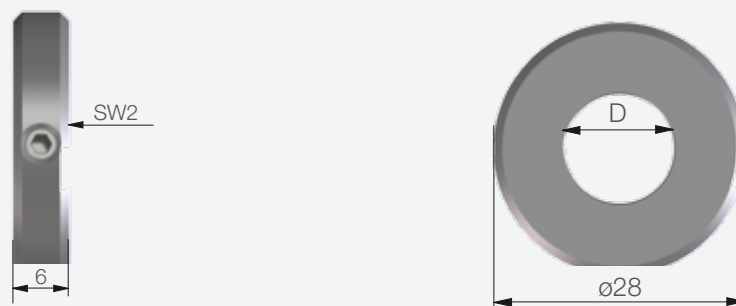
When using shank forms HB and HE, the clamping force is reduced by around 30%.

### Concentricity:

Max. 0.006 mm measured at 3xD

# INDEX Hydroquill Accessories

## Clamping ring S420



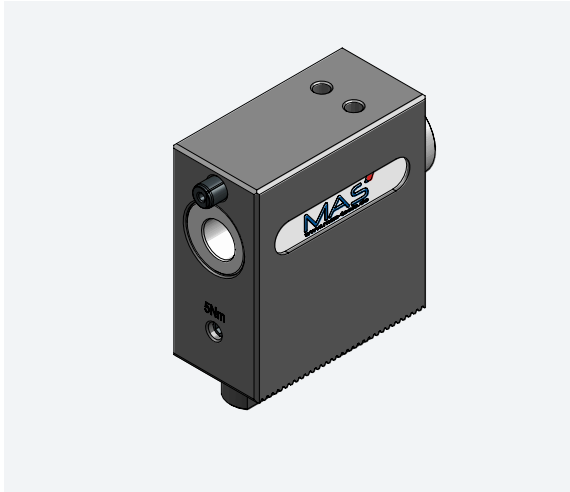
Order number	D (mm)	Stock
S420-4	4	●
S420-5	5	●
S420-6	6	●
S420-8	8	●
S420-10	10	●
S420-12	12	●
S420-14	14	●
S420-16	16	●
S420-20	20	●

individual sizes between those specified and special-purpose available on request.

● in stock ○ on request

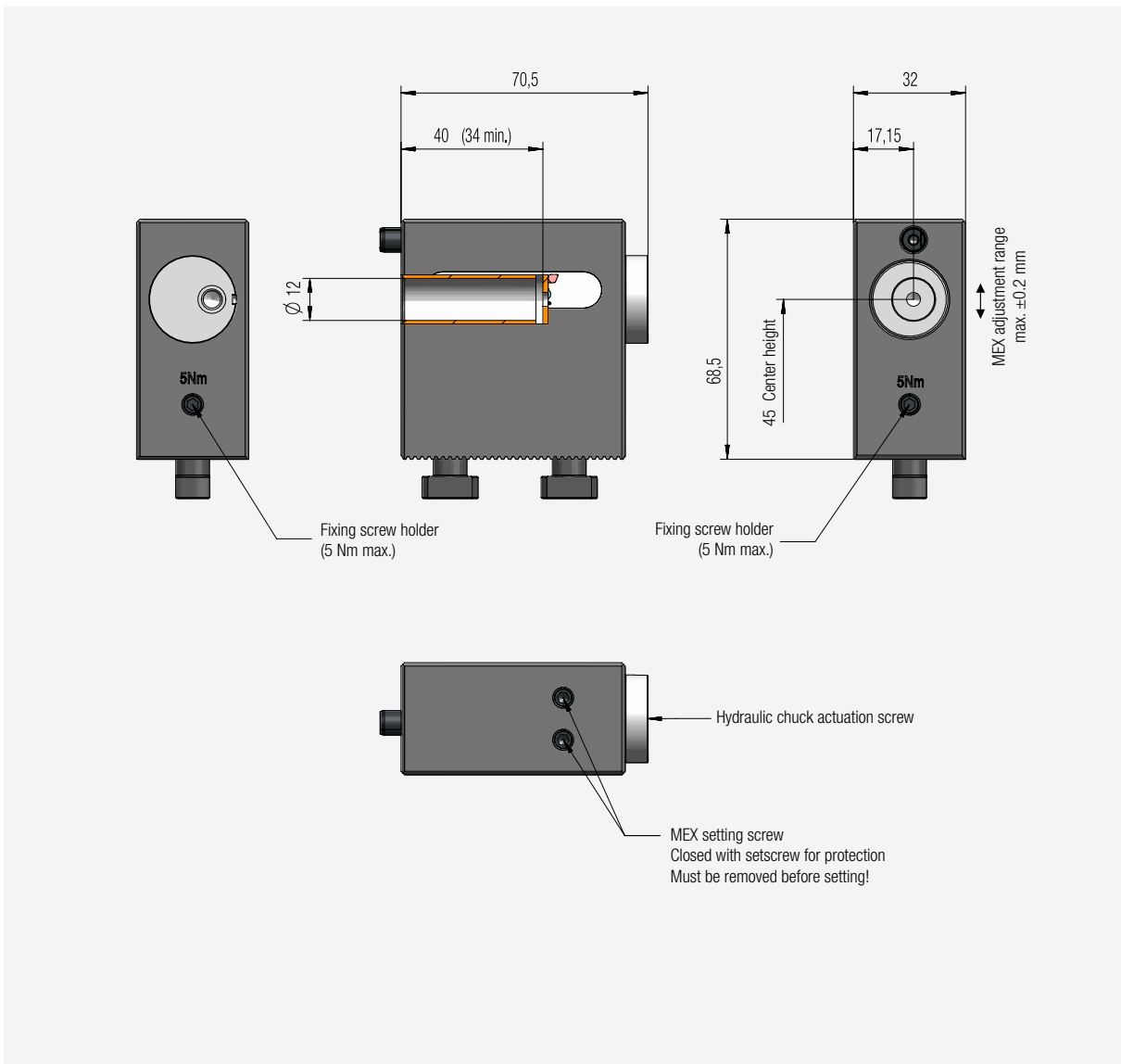
MEX<sup>®</sup>turn

### MEX-holder 1x / clamping $\varnothing$ 12 mm



MAS-ID	Order number	Stock
Z00 000 304	MEX12-KU-1-Z304	●

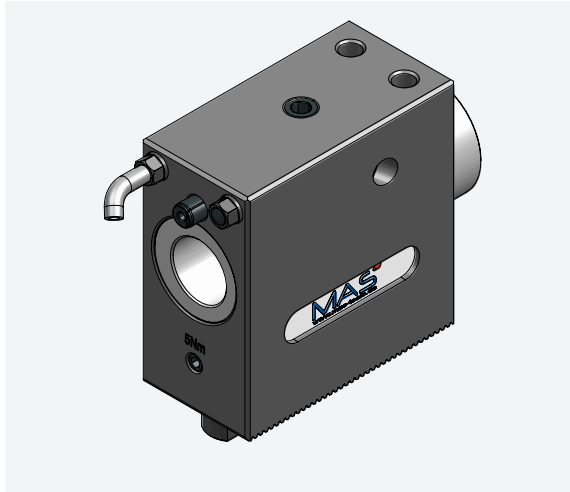
Accessories, see from page 110 ● in stock ○ on request



# KUMMER

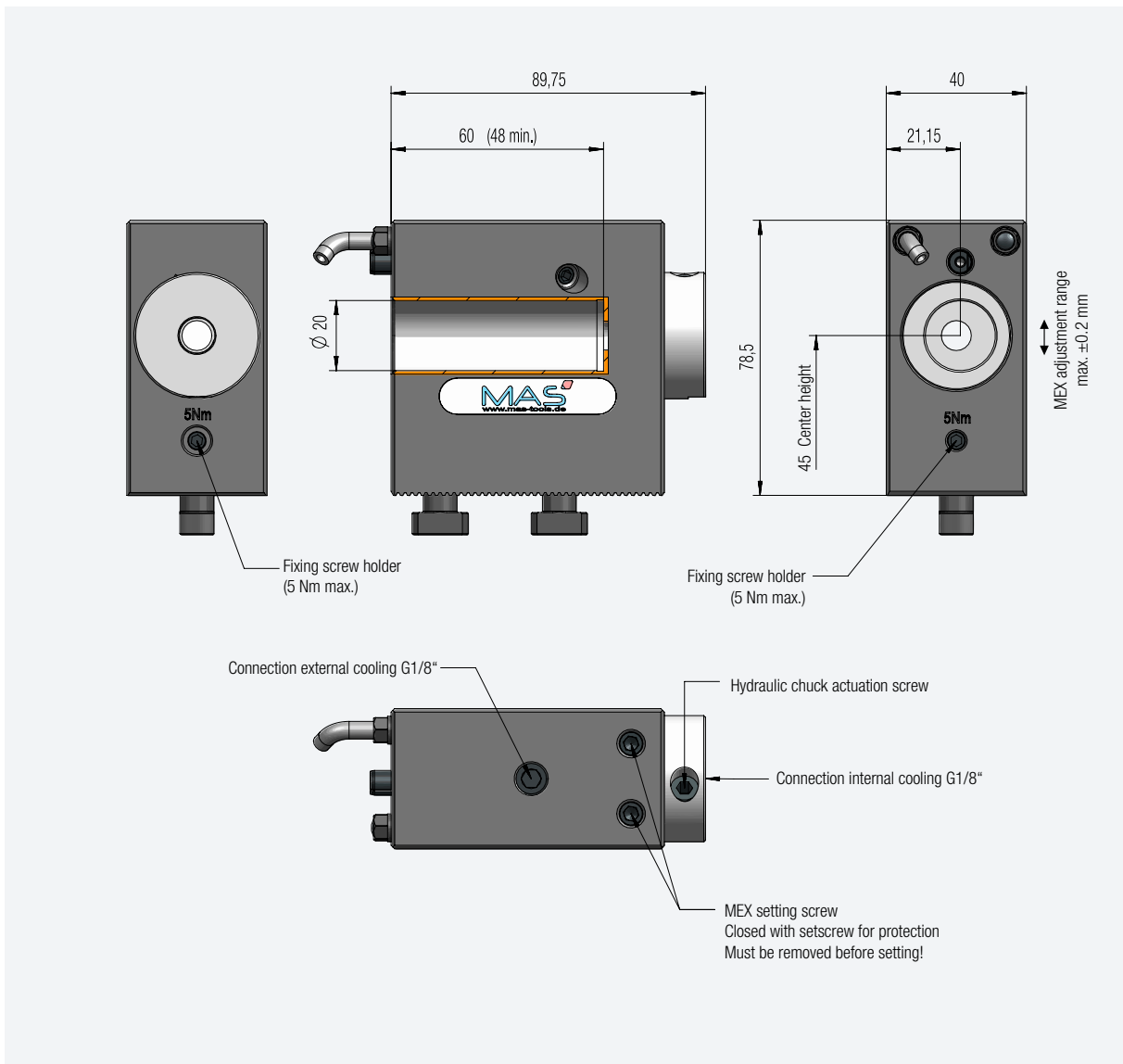
## Toothing

### MEX-holder 1x / clamping $\varnothing$ 20 mm



MAS-ID	Order number	Stock
Z00 000 076	MEX20-KU-1-S405H	●

Accessories, see from page 110 ● in stock ○ on request

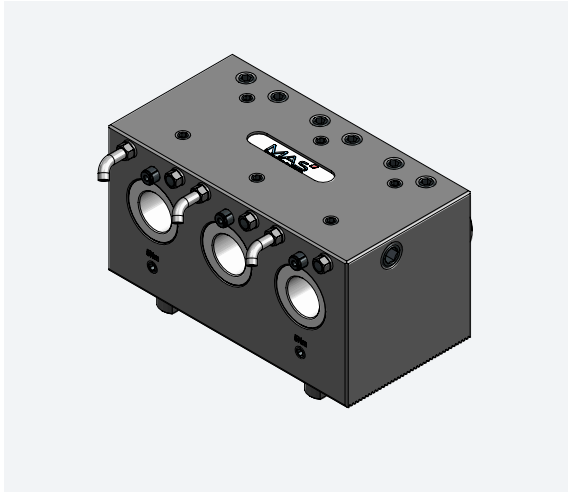


MEX<sup>®</sup>turn

# KUMMER

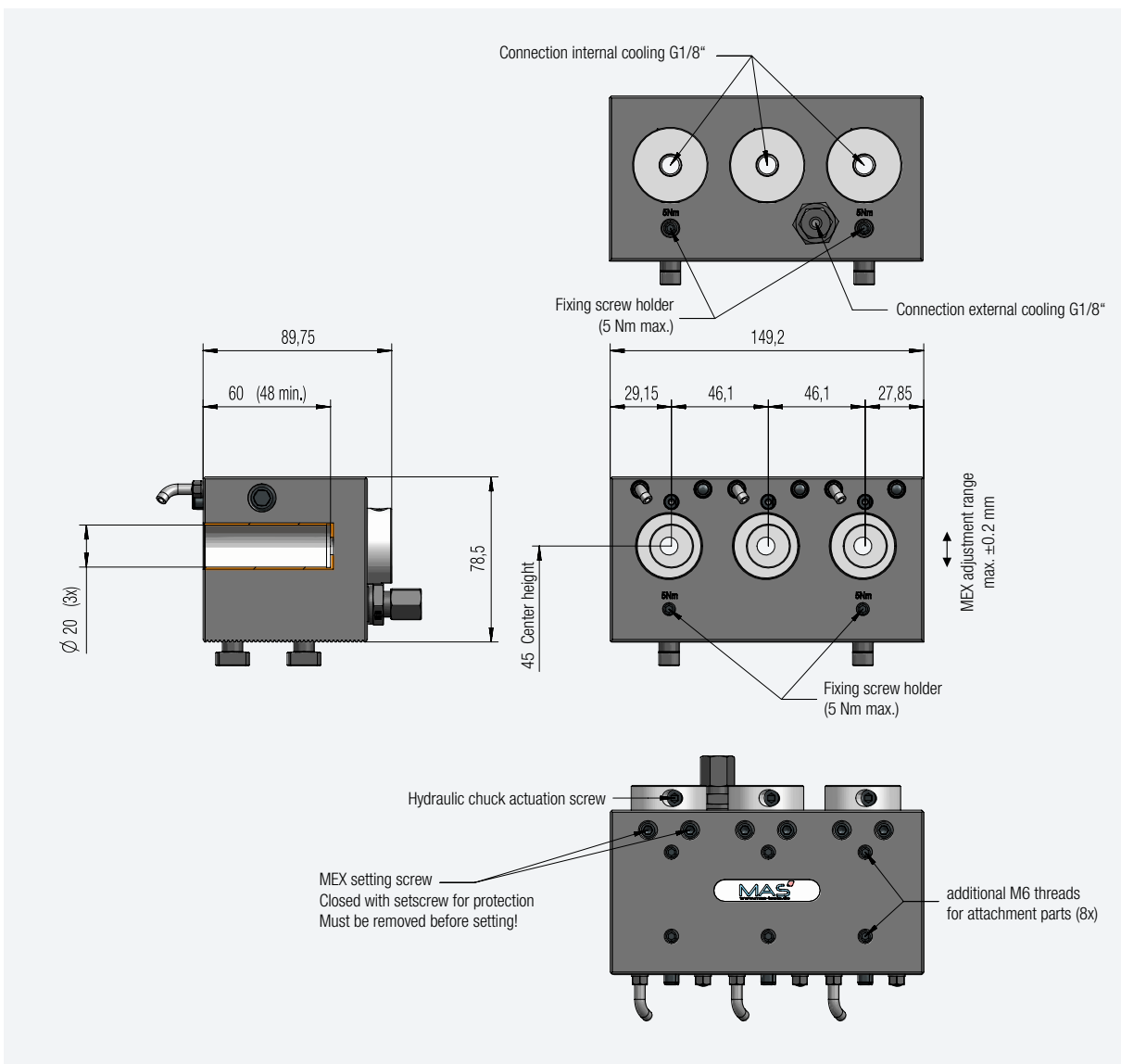
## Toothing

### MEX-holder 3x / clamping $\varnothing$ 20 mm



MAS-ID	Order number	Stock
Z00 000 207	MEX20-KU-3-Z207	○

Accessories, see from page 110 ● in stock ○ on request



# KUMMER

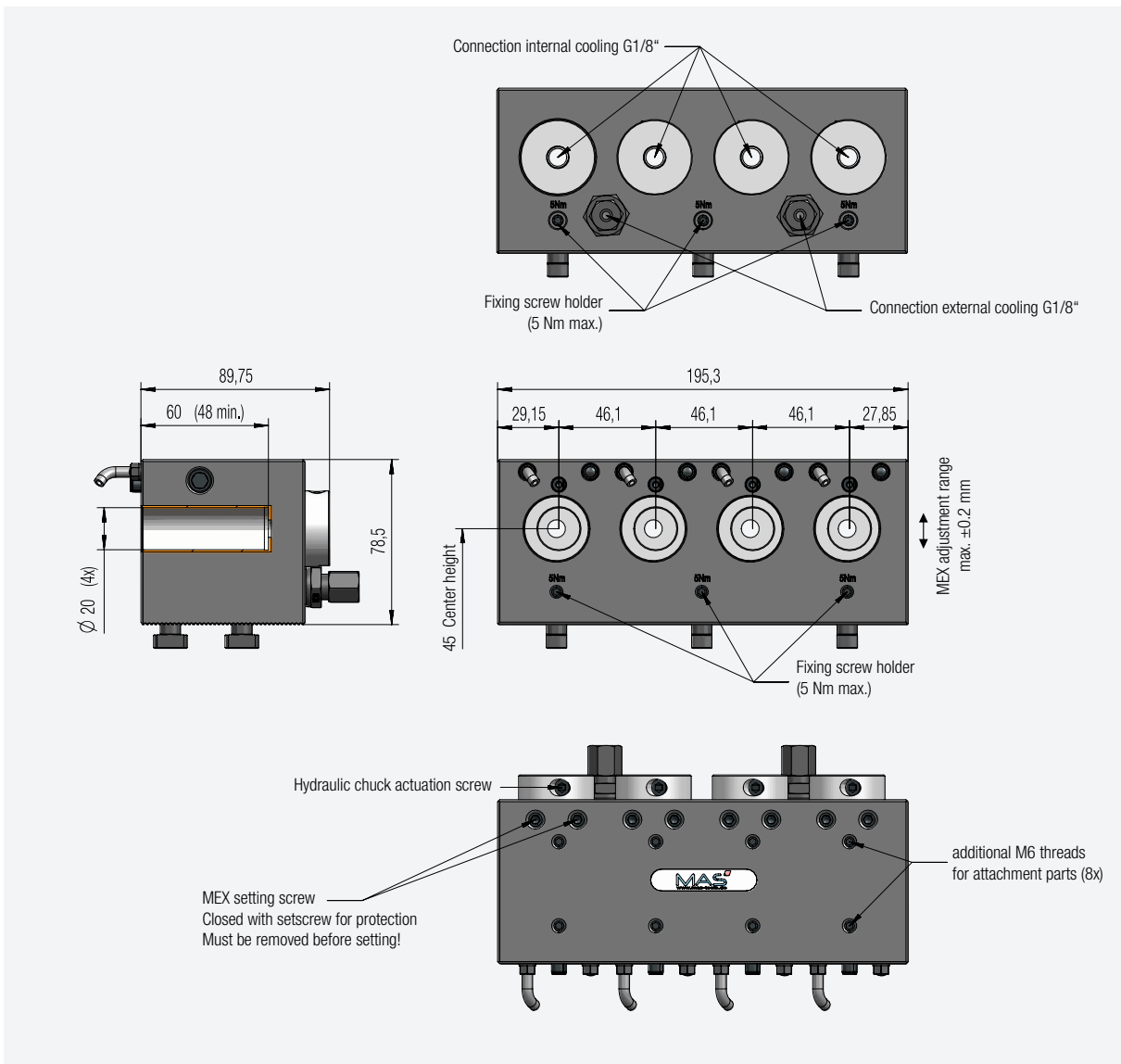
## Toothing

### MEX-holder 4x / clamping $\varnothing$ 20 mm



MAS-ID	Order number	Stock
Z00 000 107	MEX20-KU-4-S583H	○

Accessories, see from page 110 ● in stock ○ on request

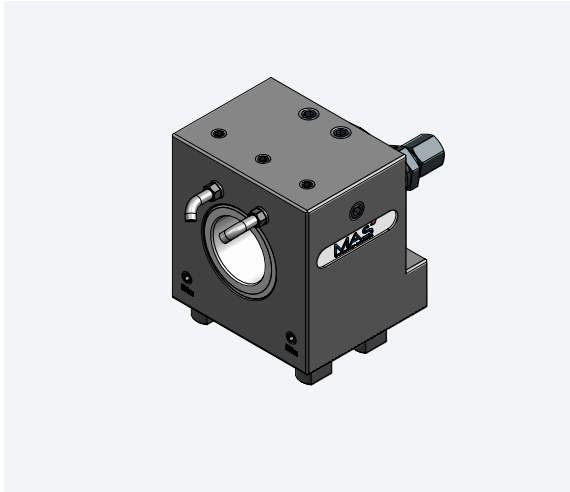


MEX<sup>®</sup>turn

# KUMMER

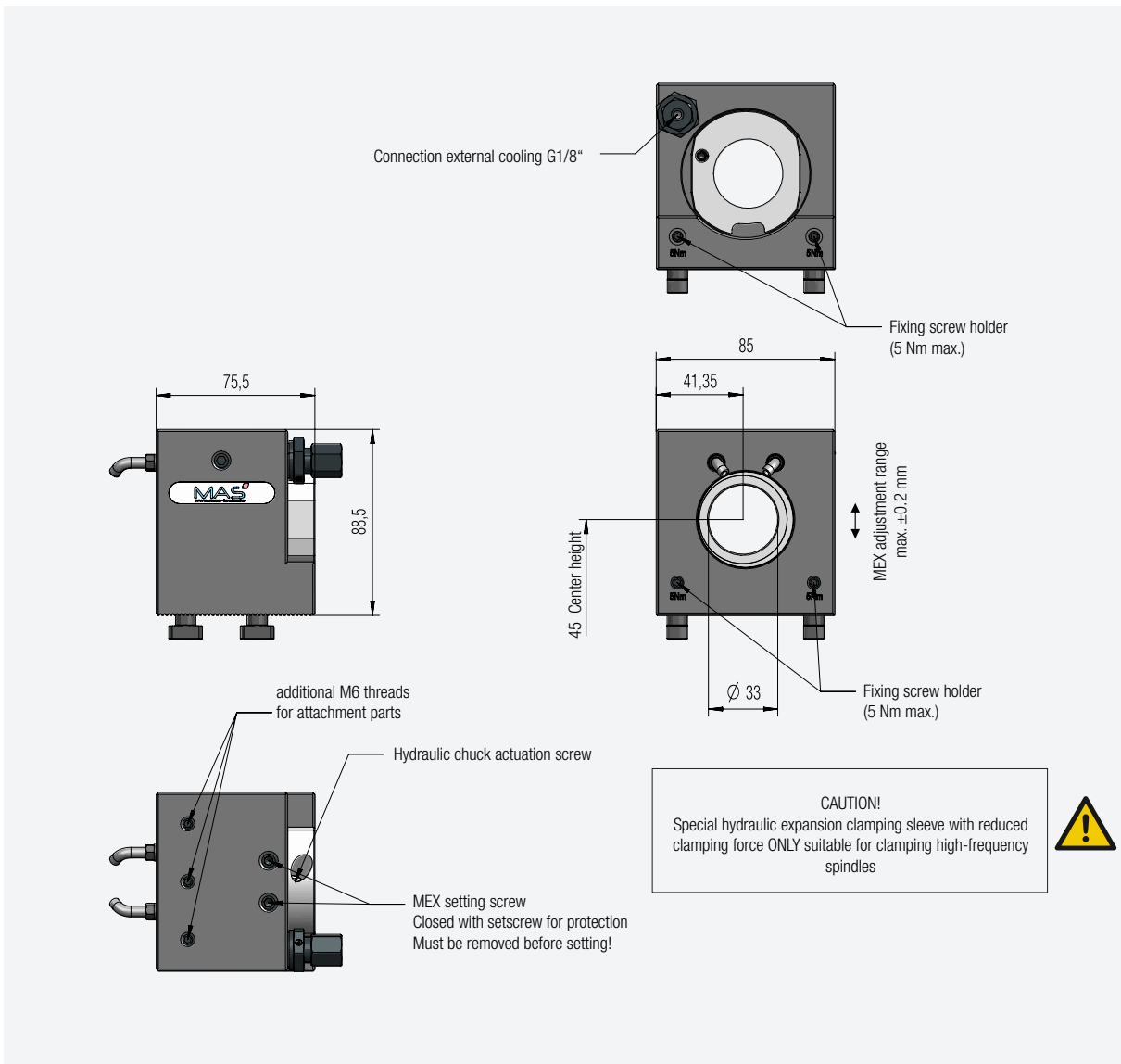
## Toothing

### MEX-holder 1x / HFS $\varnothing$ 33 mm



MAS-ID	Order number	Stock
Z00 000 145	MEX33-KU-1-S633H	●

Accessories, see from page 110 ● in stock ○ on request





# NOTES

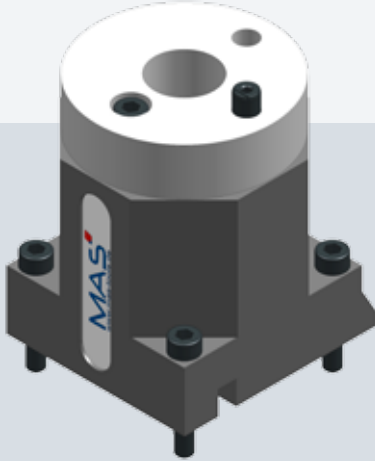
A large rectangular area filled with a grid of small, evenly spaced dotted lines, intended for writing notes.

MEX<sup>®</sup>turn

# MIKRON

NX24

## MEX-holder 1x / clamping $\varnothing$ 20 mm



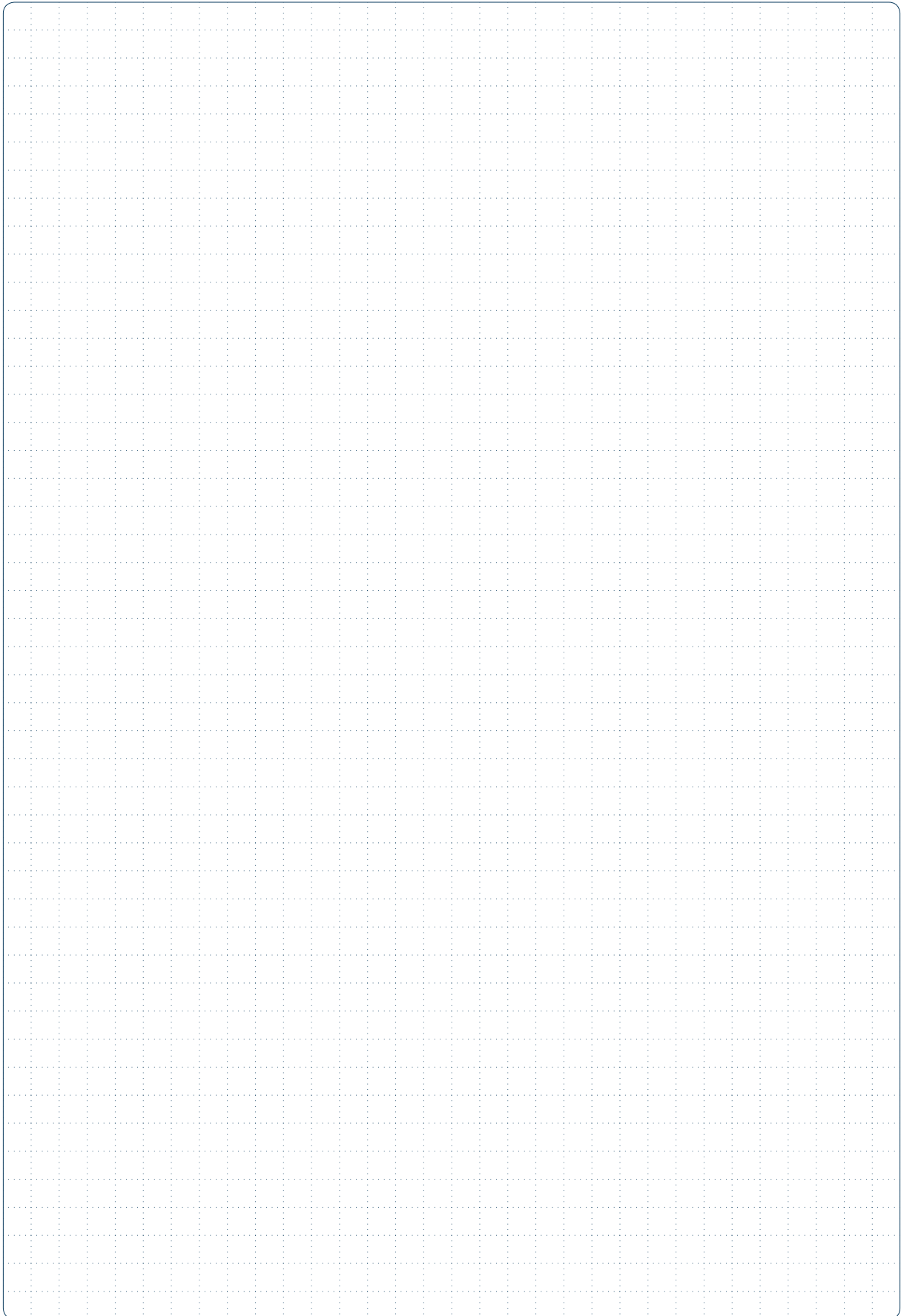
Order number	Stock
MEX20-NX24-1-S512	<input type="radio"/>

Accessories, see from page 110  in stock  on request

- Other solutions available on request.



# NOTES

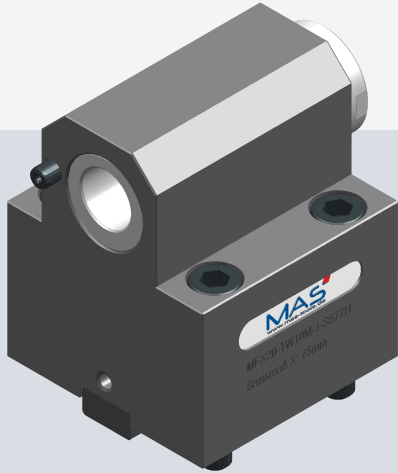


MEX<sup>®</sup>turn

# NAKAMURA

TW 10M

MEX-holder 1x / clamping  $\varnothing$  20 mm

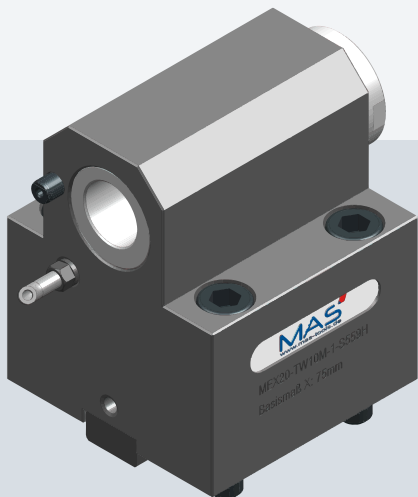


Order number	Stock
MEX20-TW10M-1-S577H	<input type="radio"/>

Accessories, see from page 110  in stock  on request

TW 10M

MEX-holder 1x / clamping  $\varnothing$  20 mm



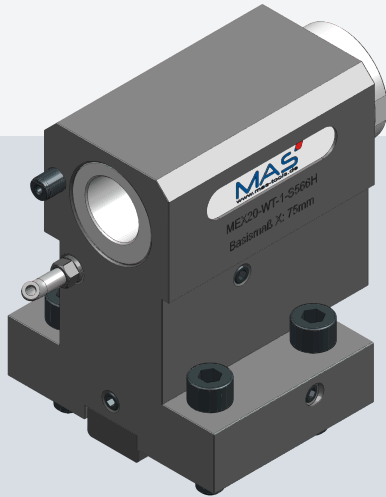
Order number	Stock
MEX20-TW10M-1-S559H	<input type="radio"/>

Accessories, see from page 110  in stock  on request

# NAKAMURA

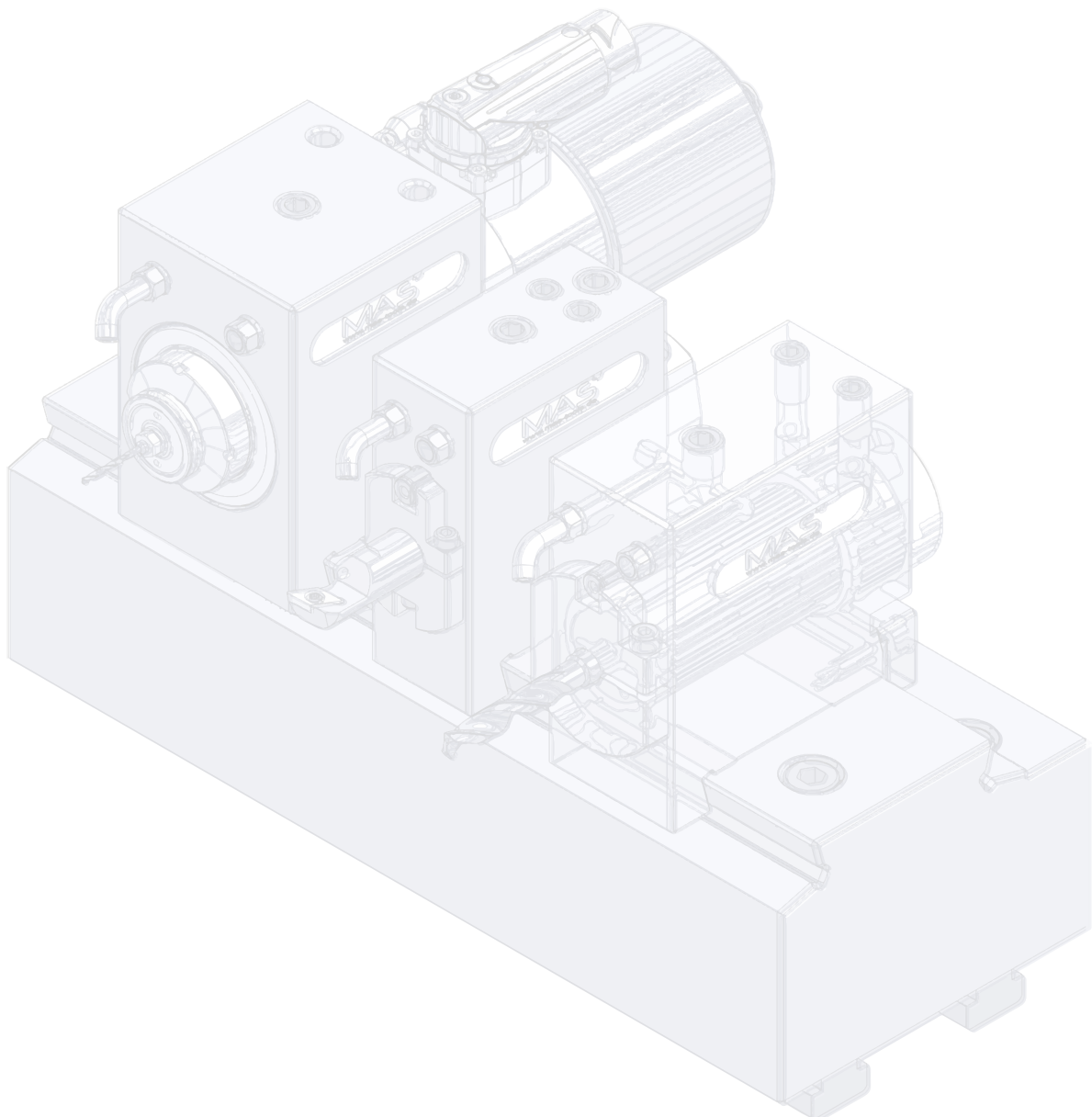
## WT-100

### MEX-holder 1x / clamping $\varnothing$ 20 mm



Order number	Stock
MEX20-WT-1-S566H	<input type="radio"/>

Accessories, see from page 110  in stock  on request

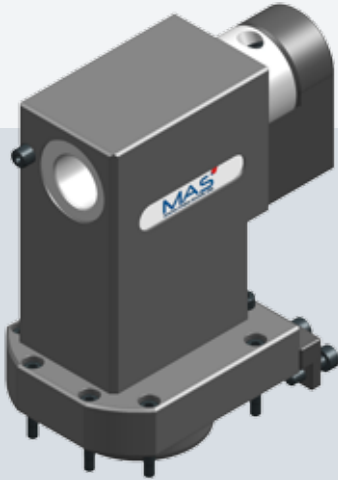


MEX<sup>®</sup>turn

# SCHÜTTE

## SCX

### MEX-holder 1x / clamping $\varnothing$ 20 mm



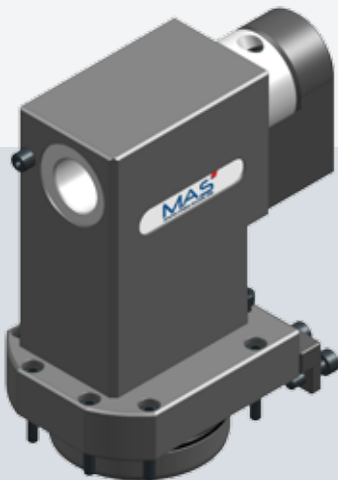
Order number	Stock
MEX20-SCX-1-S352H	<input type="radio"/>

Accessories, see from page 110  in stock  on request

- Includes internal cooling via slide
- For tool pocket P2

## SCX

### MEX-holder 1x / clamping $\varnothing$ 20 mm



Order number	Stock
MEX20-SCX-1-S368H	<input type="radio"/>

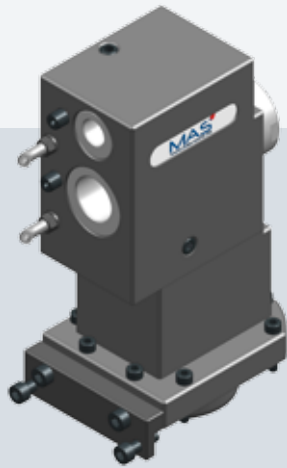
Accessories, see from page 110  in stock  on request

- Includes internal cooling via slide
- For tool pocket P1 and P3

# SCHÜTTE

## SCX

### MEX-holder 2x / clamping $\varnothing$ 12 mm & 20 mm



Order number	Stock
MEX20-12-SCX-2-S525H	<input checked="" type="radio"/>

Accessories, see from page 110  in stock  on request

## SCX

### MEX-holder 2x / clamping $\varnothing$ 12 mm & 20 mm



Order number	Stock
MEX20-12-SCX-2-S548H	<input checked="" type="radio"/>

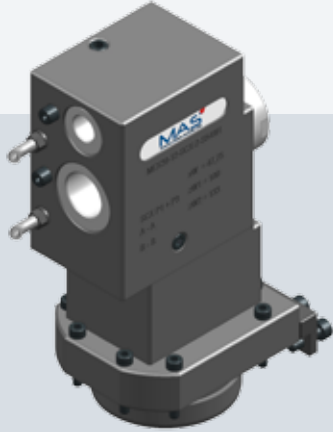
Accessories, see from page 110  in stock  on request

MEX<sup>®</sup>turn

# SCHÜTTE

## SCX

### MEX-holder 2x / clamping $\varnothing$ 12 mm & 20 mm



Order number	Stock
MEX20-12-SCX-2-S549H	<input checked="" type="radio"/>

Accessories, see from page 110  in stock  on request

## SCX

### MEX-holder 2x / clamping $\varnothing$ 12 mm & 20 mm



Order number	Stock
MEX20-12-SCX-2-S550H	<input type="radio"/>

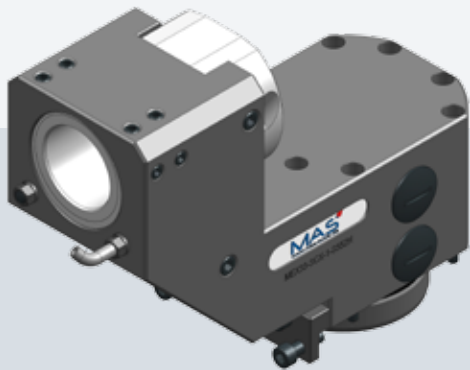
Accessories, see from page 110  in stock  on request



# SCHÜTTE

SCX

## MEX-holder 1x / HFS $\varnothing$ 33 mm

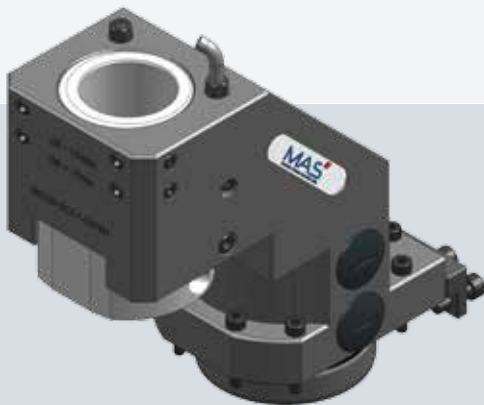


Order number	Stock
MEX33-SCX-1-S552H	<input checked="" type="radio"/>

Accessories, see from page 110  in stock  on request

SCX

## MEX-holder 1x / HFS $\varnothing$ 33 mm



Order number	Stock
MEX33-SCX-1-S579H	<input type="radio"/>

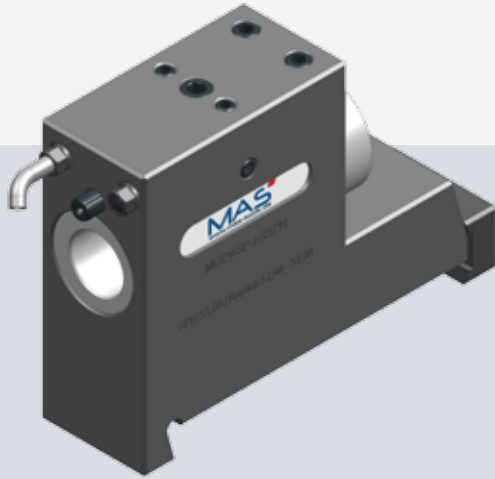
Accessories, see from page 110  in stock  on request

MEX<sup>®</sup>turn

# SPINNER

PD32 / PD42

## MEX-holder 1x / clamping $\varnothing$ 20 mm



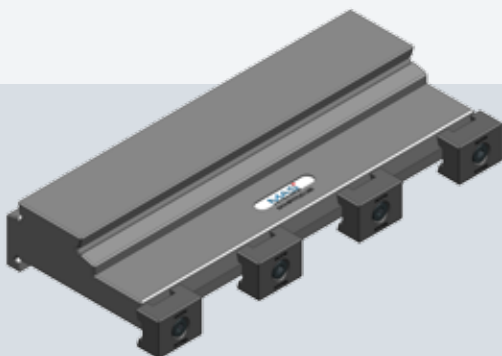
Order number	Center height	Center height range	Stock
MEX20-SP-1-S272H	51,70	51,60 - 51,80	●
MEX20-SP-1-S498H	51,80	51,70 - 51,90	●
MEX20-SP-1-S401H	51,90	51,80 - 52,00	●
MEX20-SP-1-S400H	52,00	51,90 - 52,10	●

Accessories see from page 110 ● in stock ○ on request

- Includes internal cooling via MEX20 sleeve (G1/8")
- Center height is specifically adjusted for your machine.

## SB-CNC linear

### Adapter plates for MAS-dovetail

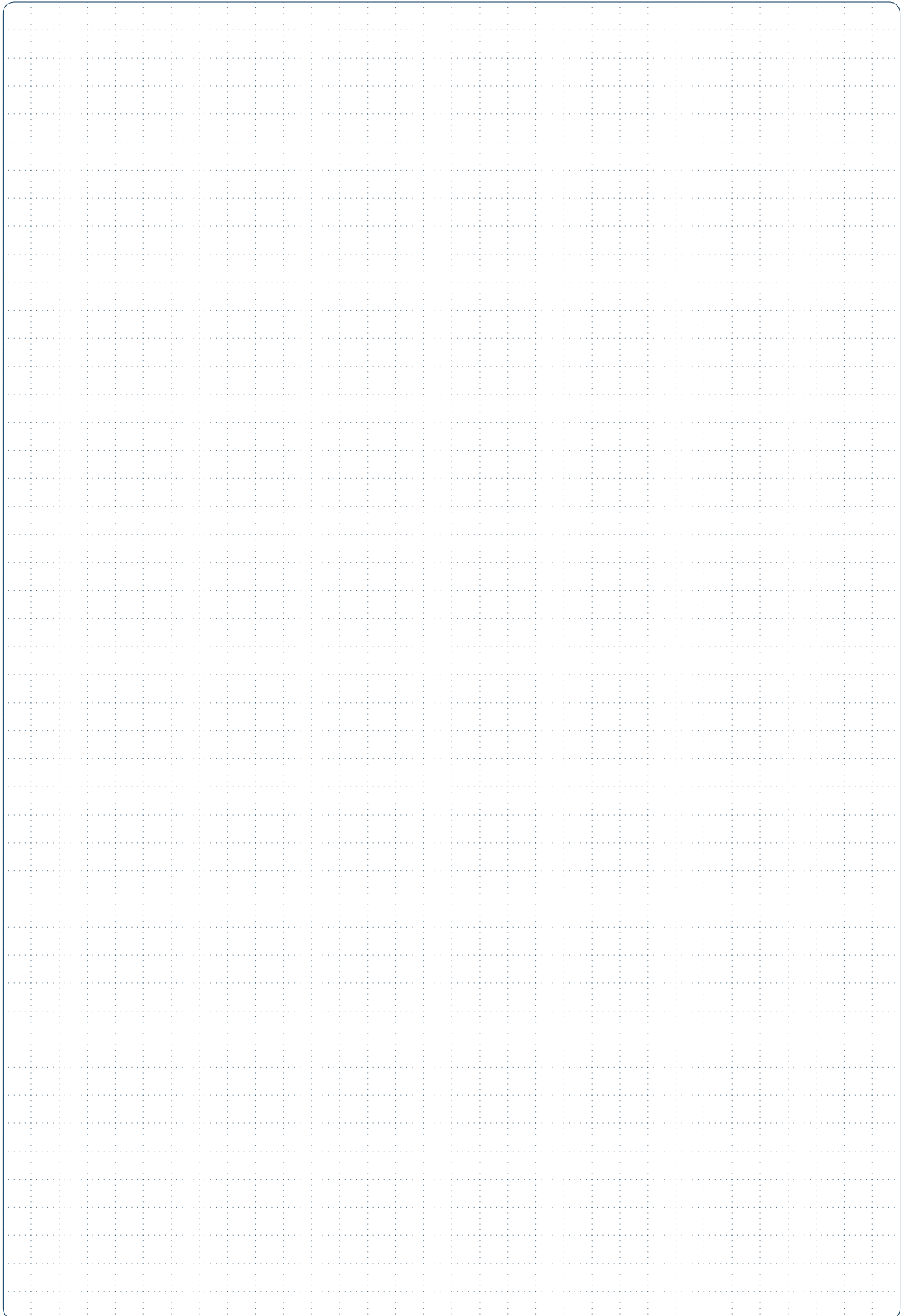


Order number	Length	Total center height	Stock
ADP-Z283	300	77,00	●

Accessories see from page 110 ● in stock ○ on request

- The dovetail panels are specifically adapted for your Machine!
- Actual center height has to be checked!

# NOTES

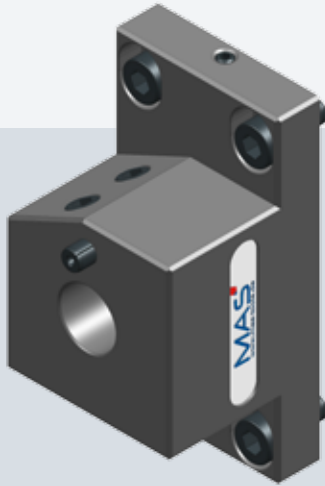


MEX<sup>®</sup>turn

# STOPP

ST

## MEX-holder 1x / clamping $\varnothing$ 20 mm

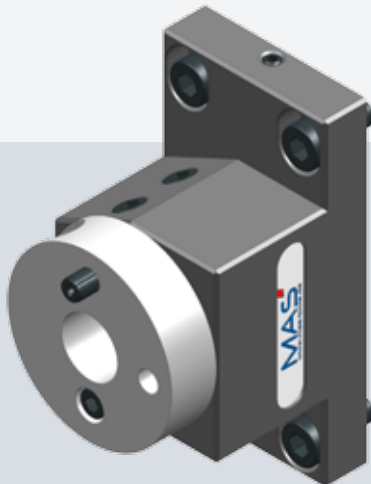


Order number	Stock
MEX20-ST-1-S557	<input type="radio"/>

Accessories, see from page 110  in stock  on request

ST

## MEX-holder 1x / clamping $\varnothing$ 20 mm



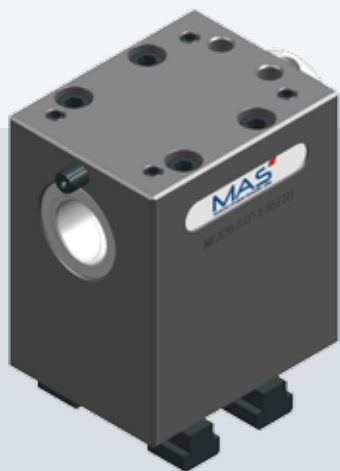
Order number	Stock
MEX20-ST-1-S517H	<input type="radio"/>

Accessories, see from page 110  in stock  on request

# STOPP

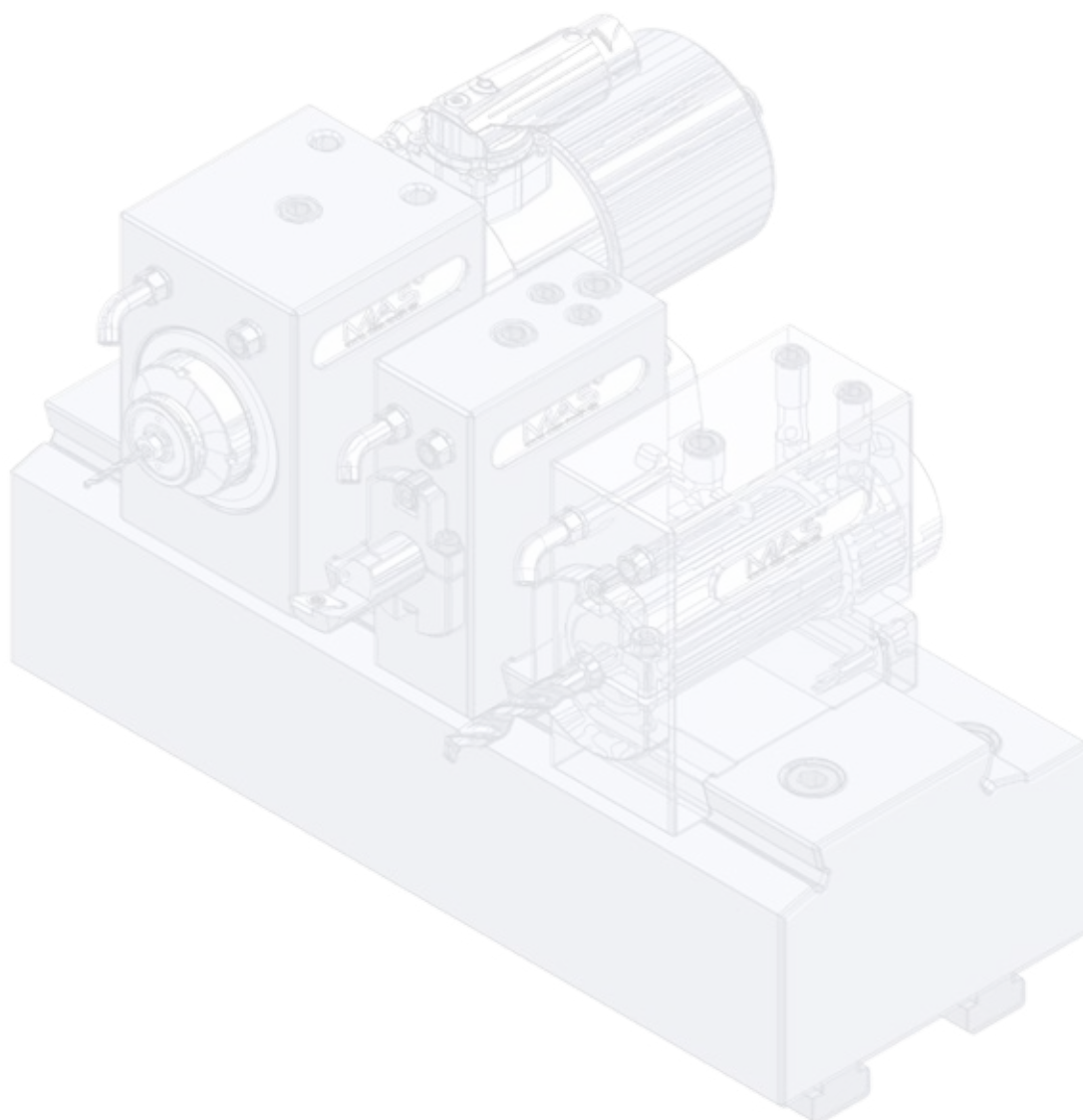
## AUTO-TURN

MEX-holder 1x / clamping  $\varnothing$  20 mm



Order number	Stock
MEX20-STP-1-S571H	<input type="radio"/>

Accessories, see from page 110  in stock  on request

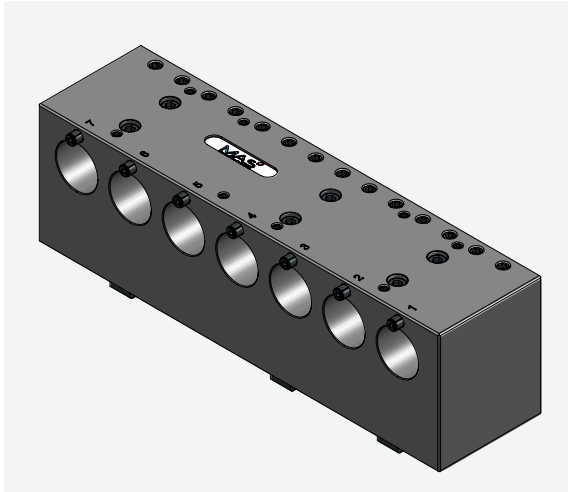


MEX<sup>®</sup>turn

# STOPP Special solution

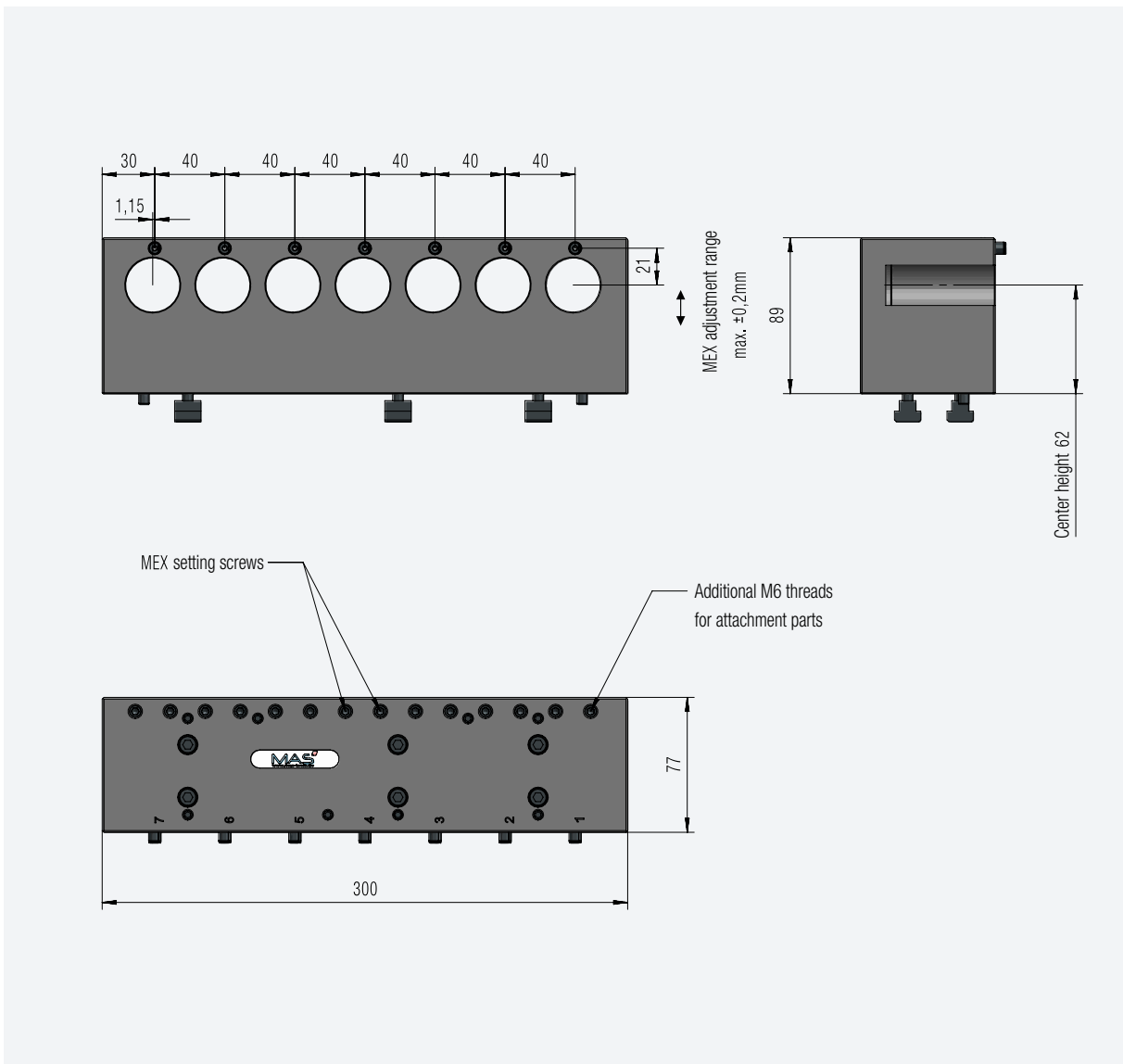
## FLEX-TURN / AUTO-TURN

### MEX-holder 7x / clamping $\varnothing$ 20 mm



MAS-ID	Order number	Stock
Z00 000 495	MEX20-STP-7-Z495	○

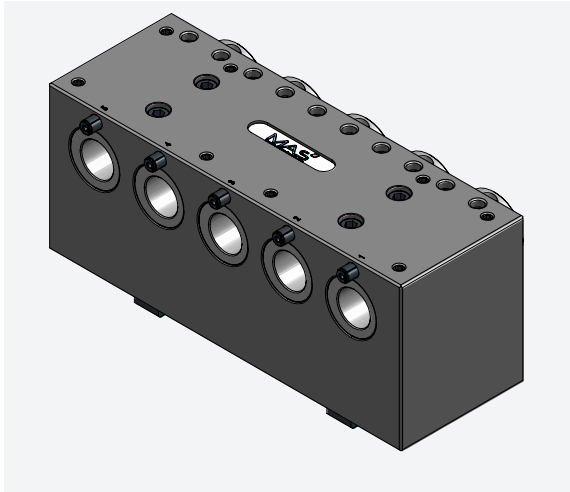
Accessories, see from page 110 ● in stock ○ on request



# STOPP Special solution

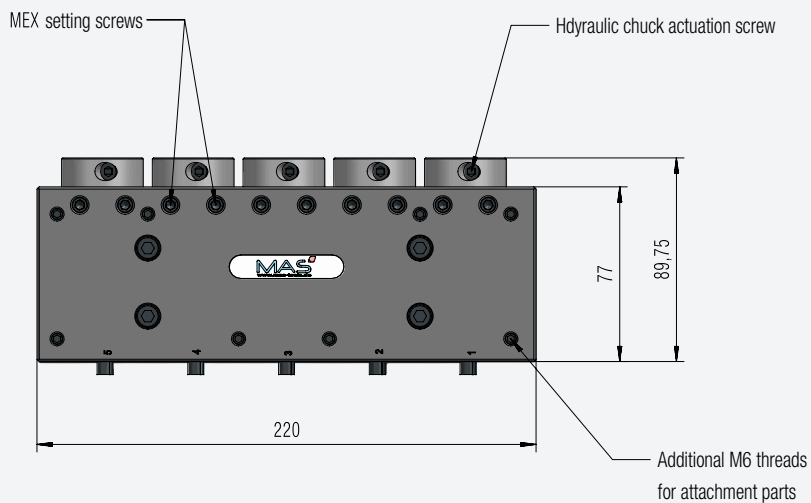
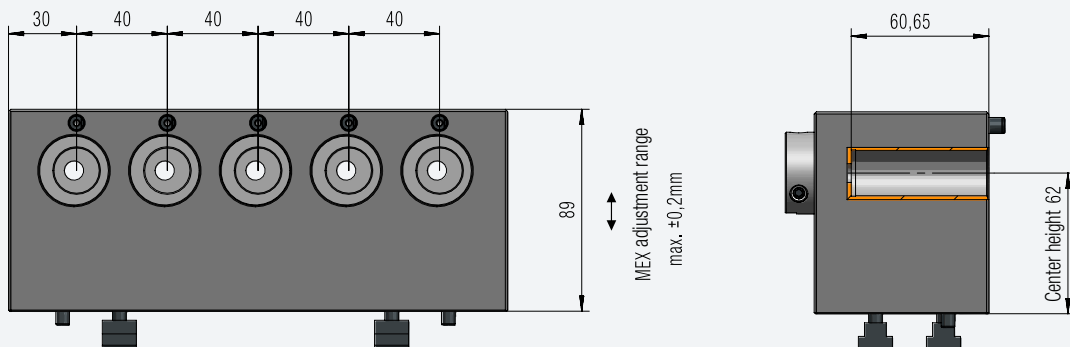
## FLEX-TURN

### MEX-holder 5x / clamping $\varnothing$ 20 mm



MAS-ID	Order number	Stock
Z00 000 119	MEX20-STP-5-S440H	<input type="radio"/>

Accessories, see from page 110 ● in stock ○ on request

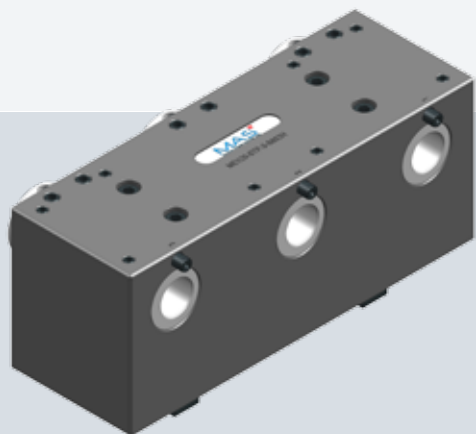


MEX<sup>®</sup>turn

# STOPP Special solution

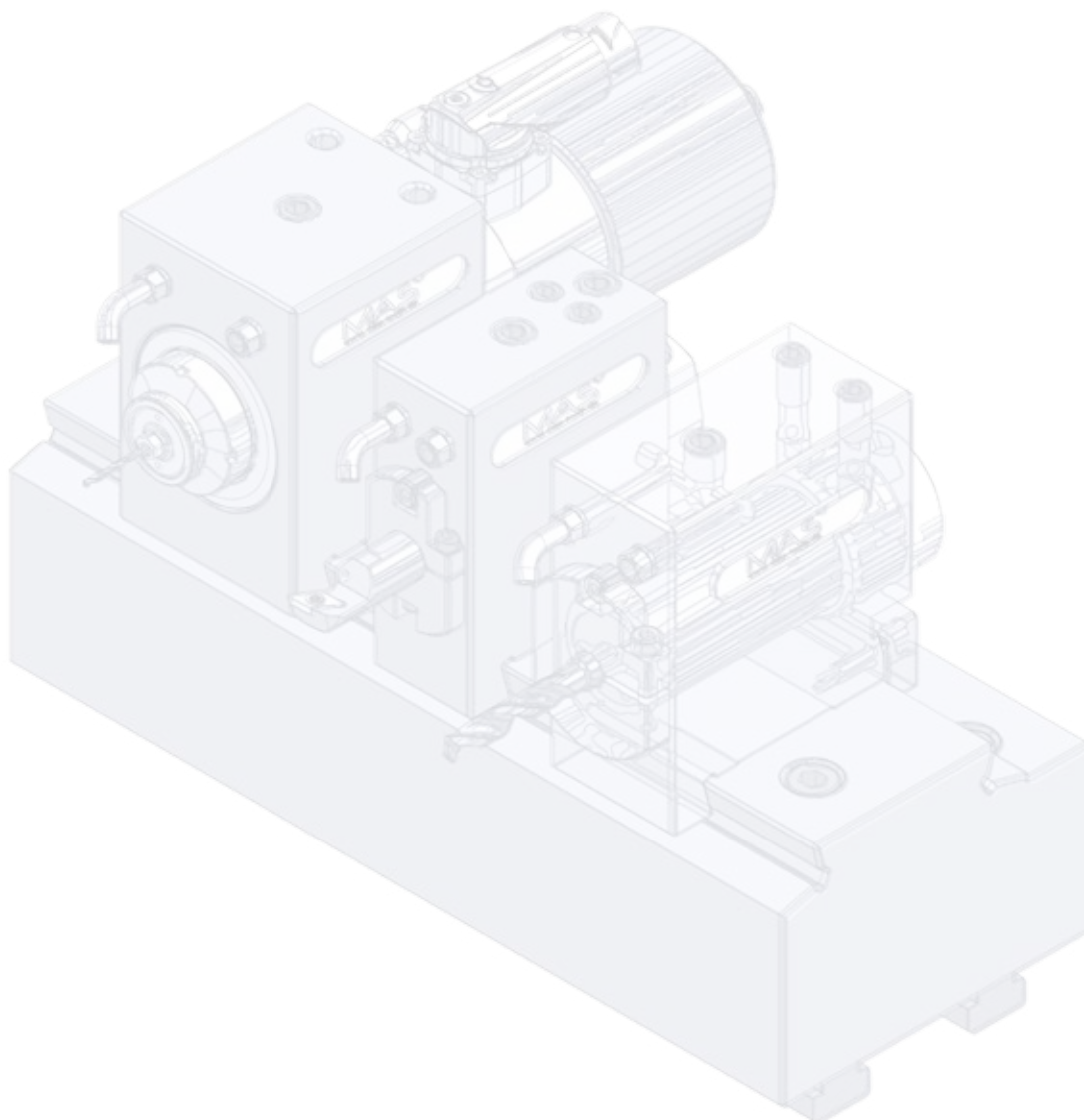
## AUTO-TURN

MEX-holder 3x / clamping  $\varnothing$  20 mm



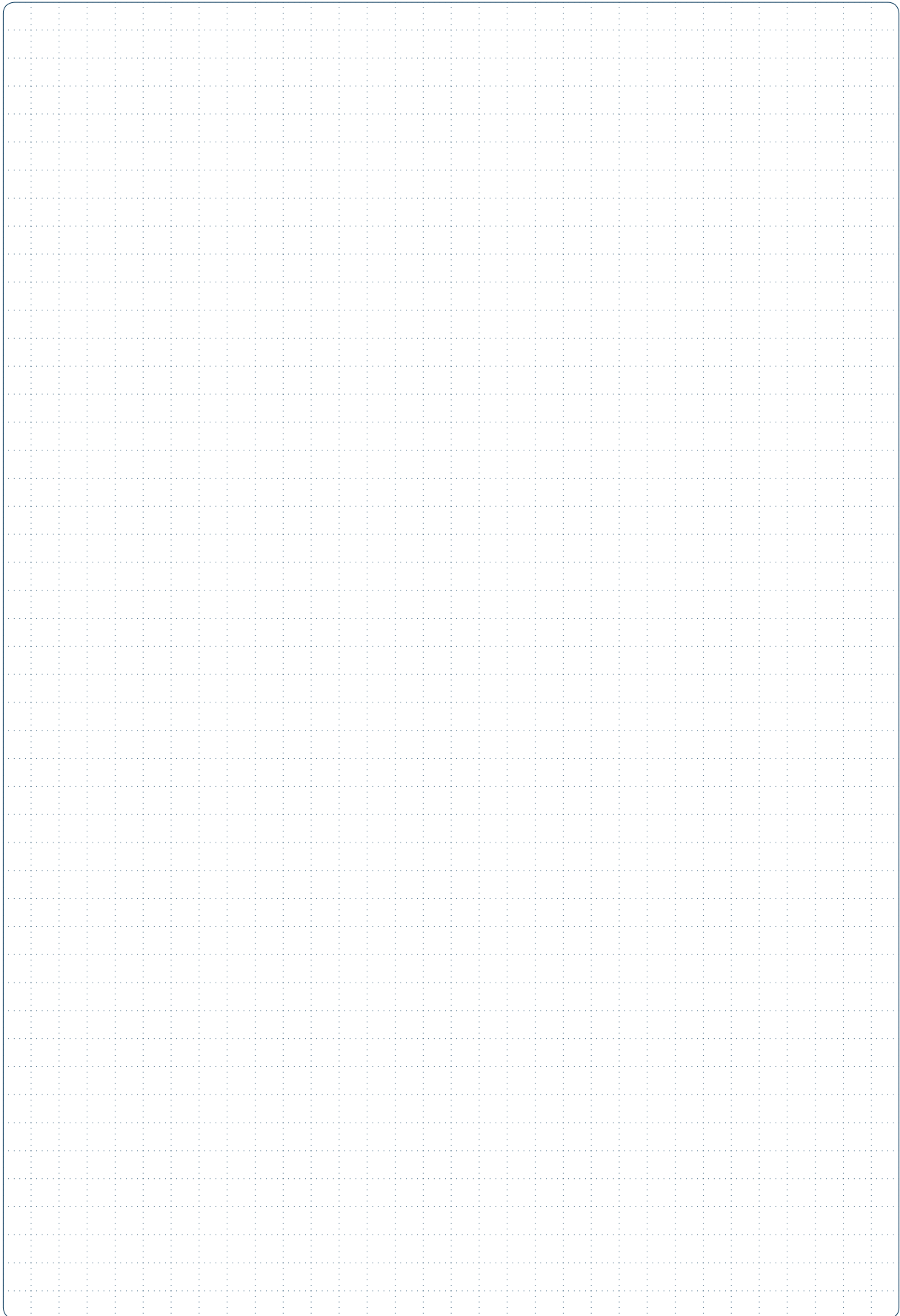
Order number	Stock
MEX20-STP-3-S602H	<input type="radio"/>

Accessories, see from page 110  in stock  on request



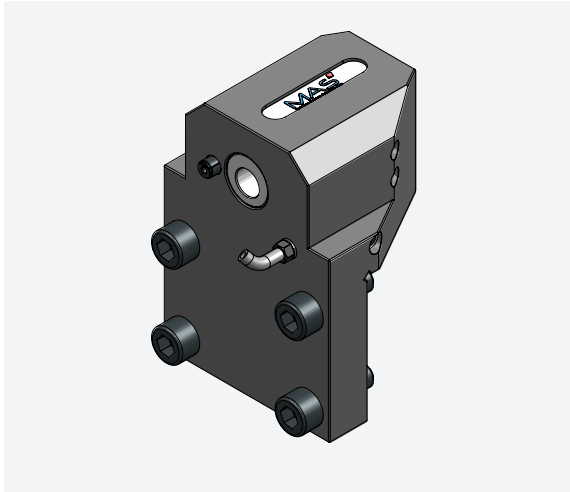


# NOTES



MEX<sup>®</sup>turn

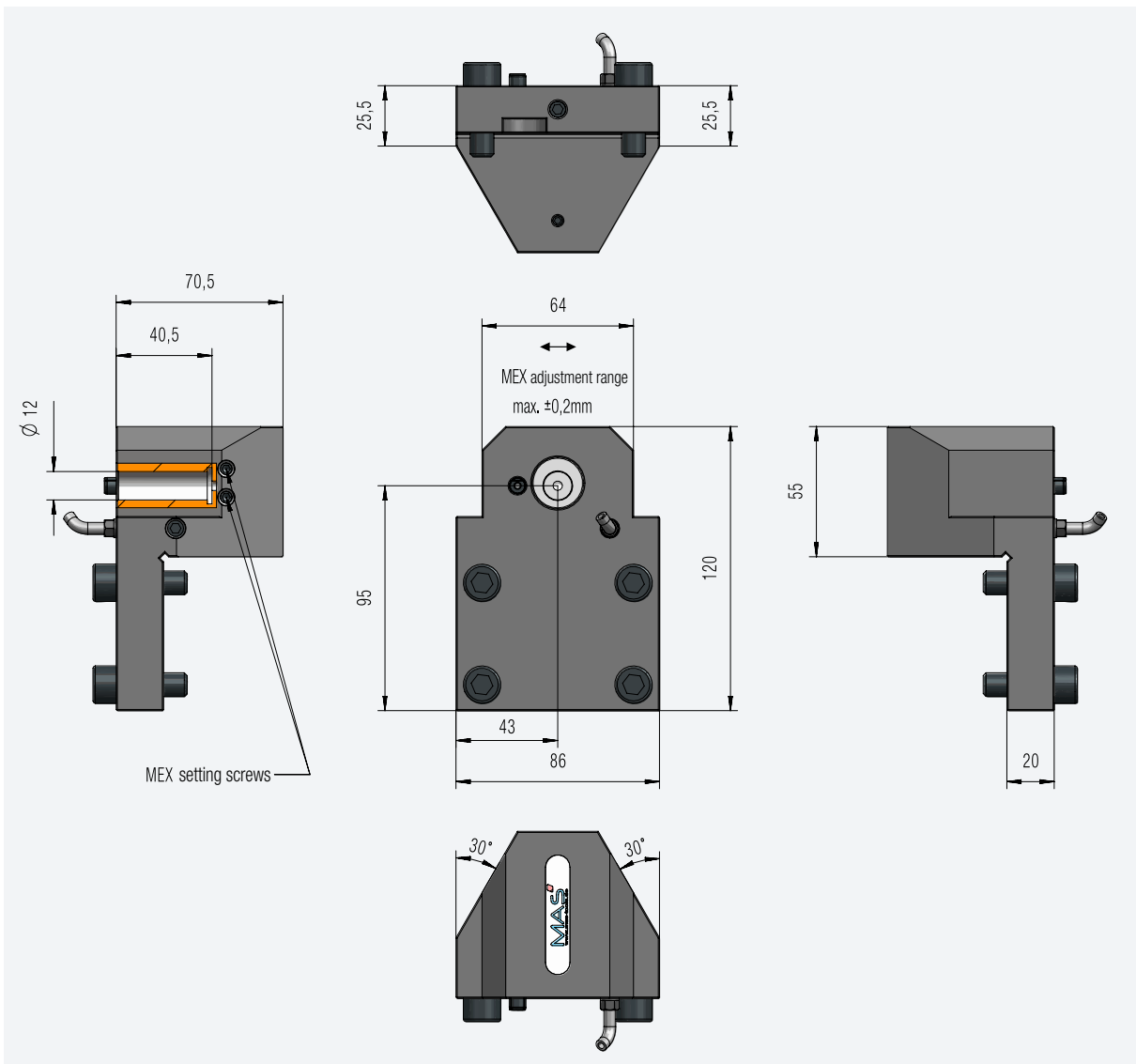
### MEX-holder 1x / clamping $\varnothing$ 12mm



MAS-ID	Order number	Stock
Z00 000 089	MEX12-XW50REV-AXI-S328H	○

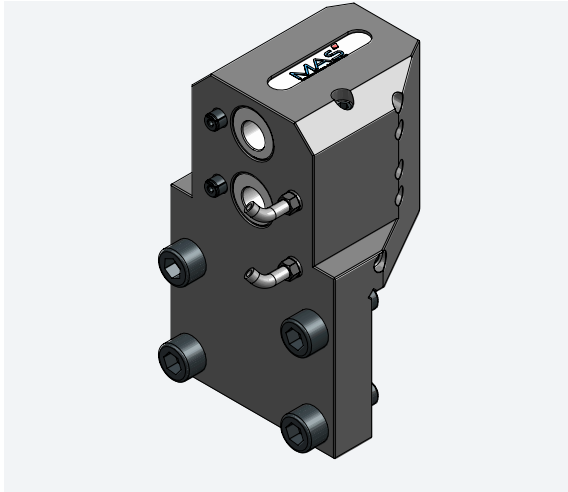
Accessories, see from page 110 ● in stock ○ on request

- Includes internal and external cooling via holder



# XW-50 Axial

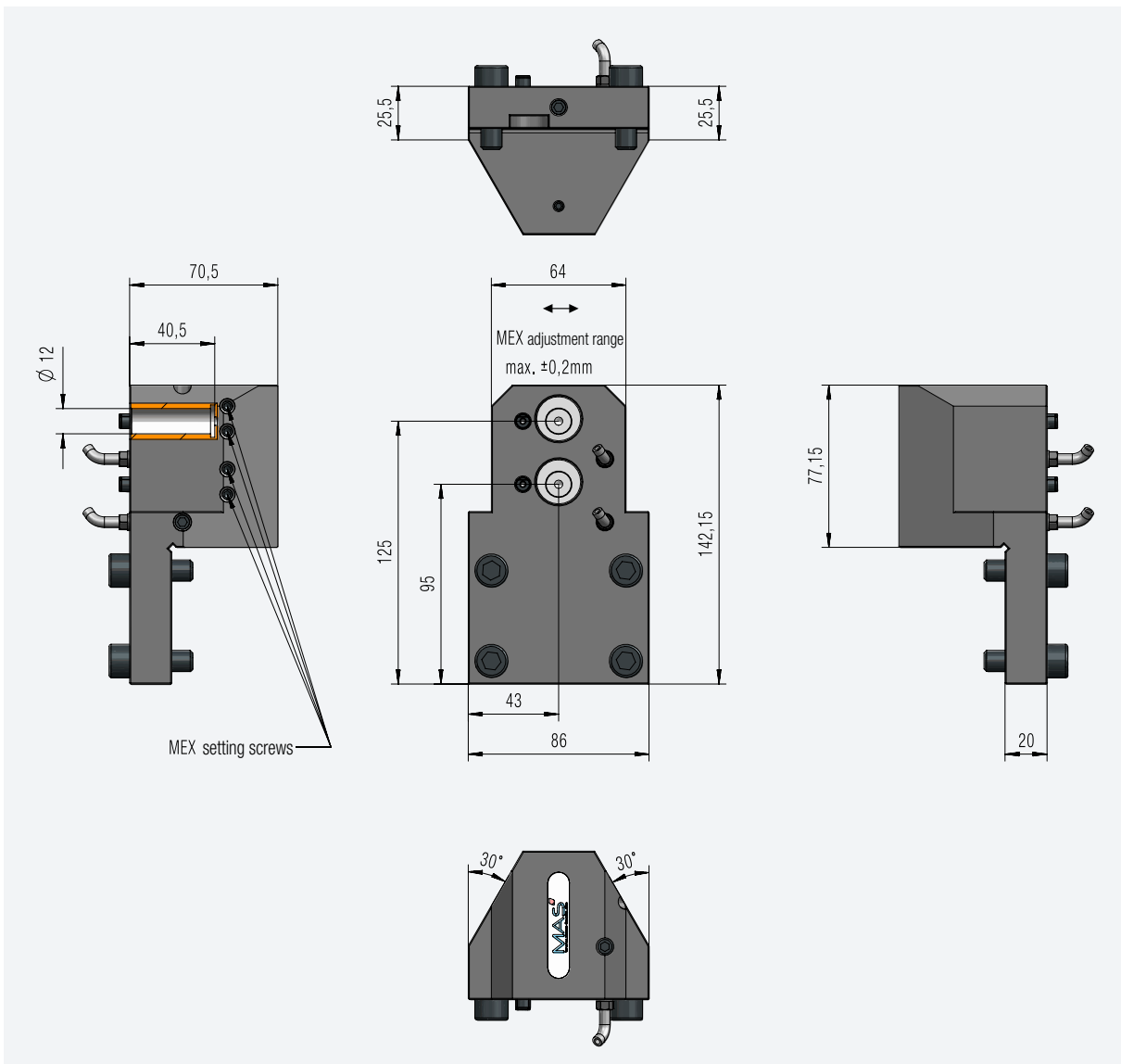
## MEX-holder 2x / clamping $\varnothing$ 12 mm



MAS-ID	Order number	Stock
Z00 000 141	MEX12-XW50REV-AXI-2-S515H	○

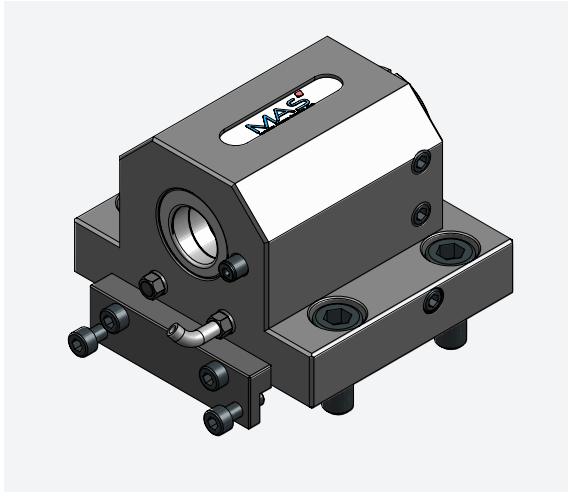
Accessories, see from page 110 ● in stock ○ on request

- Includes internal cooling via MEX20 sleeve (G1/8")
- Includes external cooling via holder



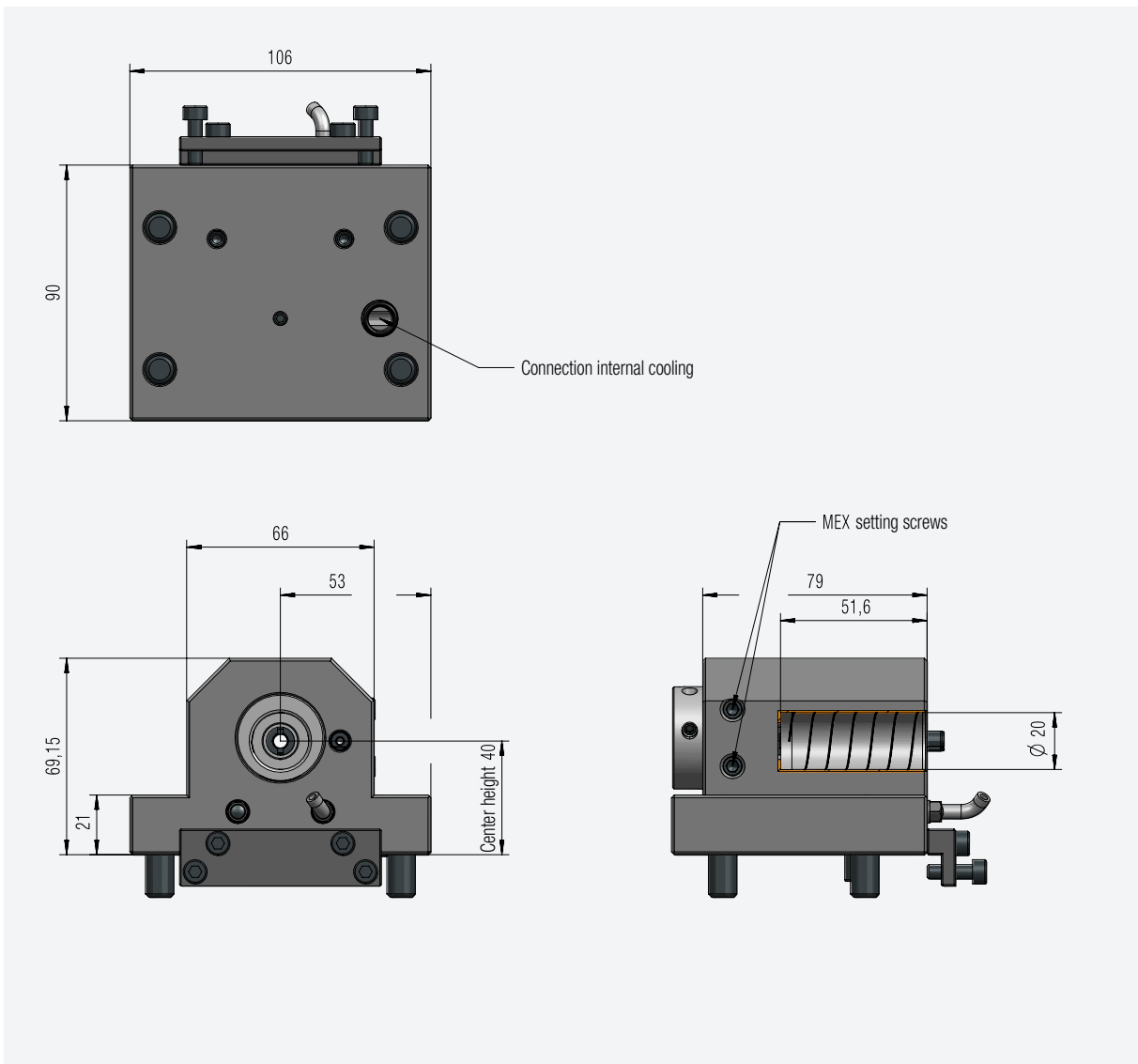
MEX<sup>®</sup>turn

### MEX-holder 1x / clamping $\varnothing 20$ mm



MAS-ID	Order number	Stock
Z00 000 019	MEX20-XL150-1-Z19	<input type="radio"/>

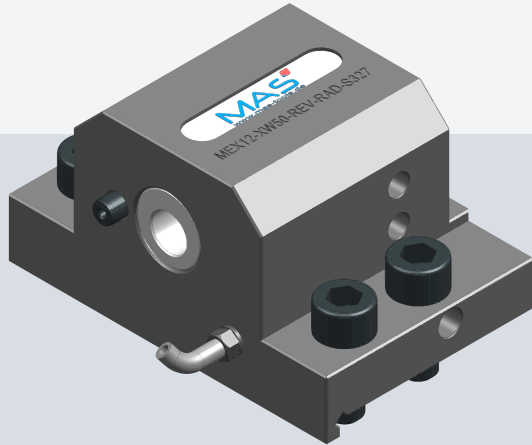
Accessories, see from page 110  in stock  on request



# TAKAMAZ

## XW-50 Radial

### MEX-holder 1x / clamping $\varnothing$ 12mm



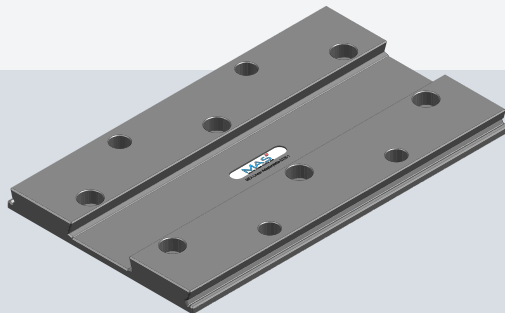
Order number	Stock
MEX12-XW50REV-RAD-S327H	<input type="radio"/>

Zubehör siehe ab Seite 110  auf Lager  auf Anfrage

- Includes external cooling via holder

## XD-8

### Adapter plates for MAS-dovetail



Order number	Length	Total center height	Stock
MEX-Linear-Adapterplatte-Z253	300 mm	50 mm	<input type="radio"/>

Zubehör siehe ab Seite 110  auf Lager  auf Anfrage

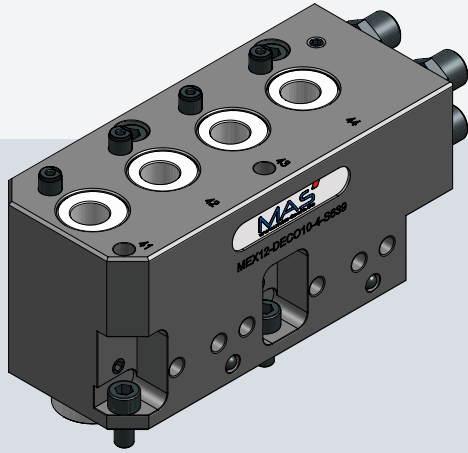
- The dovetailed panels are specifically adapted for your machine!
- Actual center height has to be checked!
- Special solutions on demand

MEX<sup>®</sup>turn

# TORNOS

## DECO 10

### MEX-holder 4x / clamping $\varnothing$ 12 mm



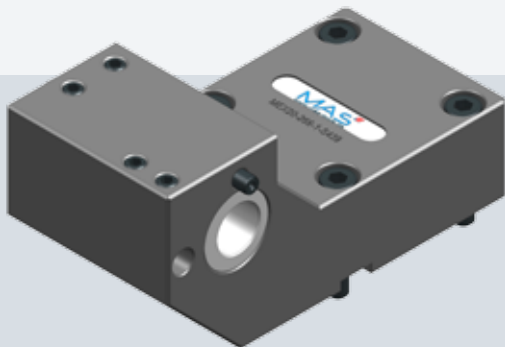
Order number	Stock
MEX12-DECO10-4-S369H	<input type="radio"/>

Accessories, see from page 110  in stock  on request

- Includes internal cooling via holder.

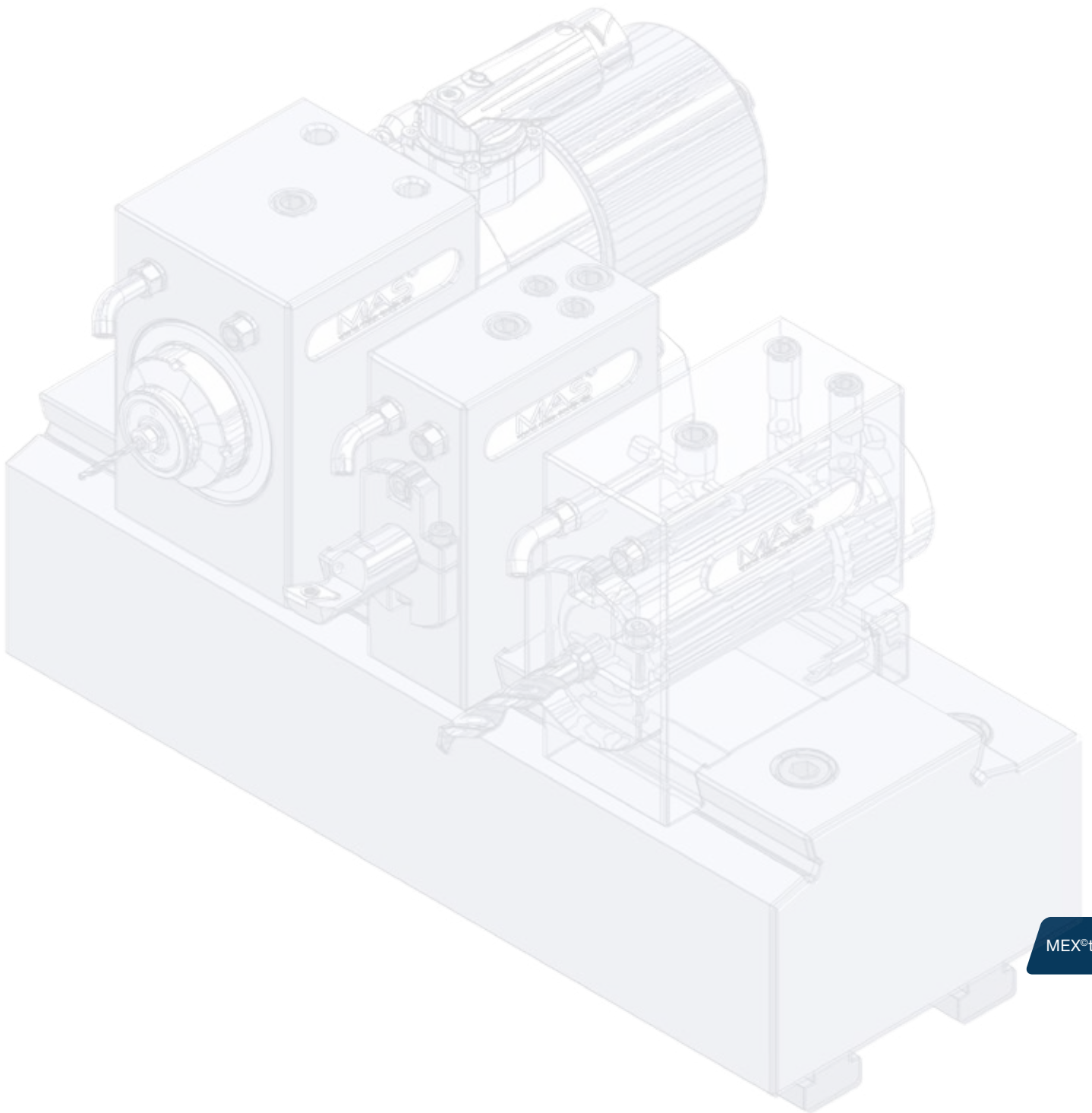
## MULTIDECO 26/6 and 32/6

### MEX-holder 1x / clamping $\varnothing$ 20 mm



Order number	Stock
MEX20-266-1-S439	<input type="radio"/>

Accessories, see from page 110  in stock  on request

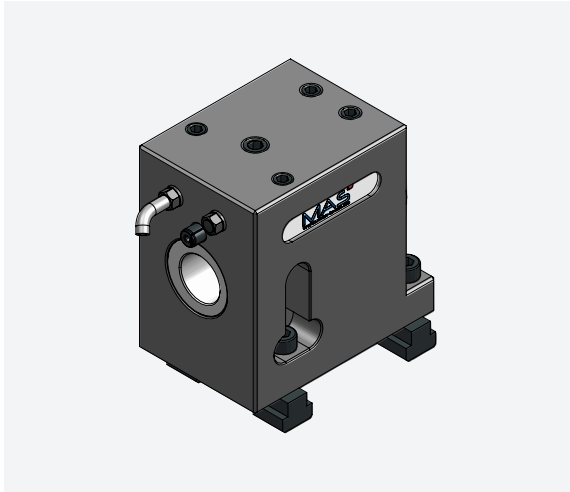


MEX<sup>®</sup>turn

# TSUGAMI

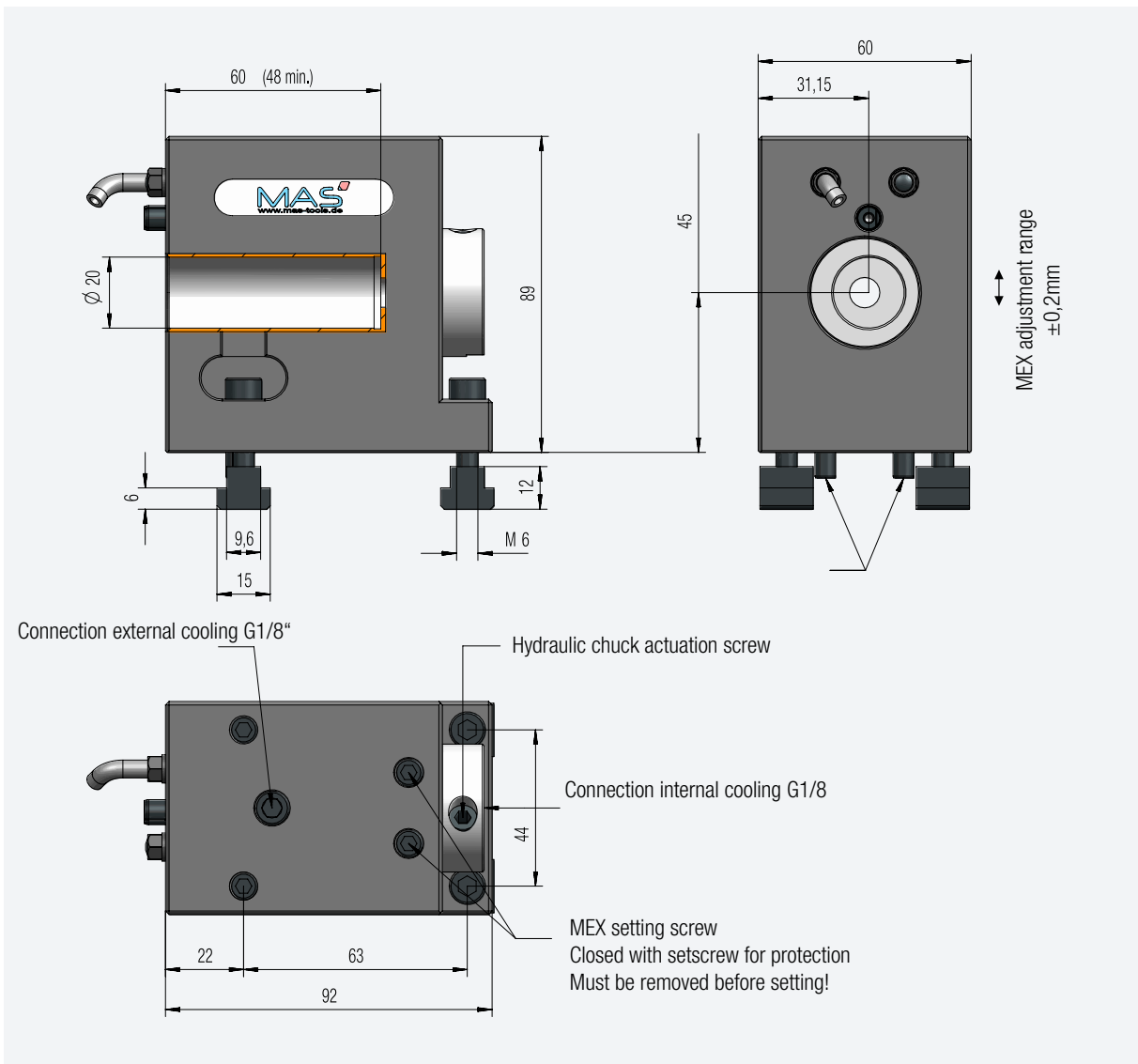
## C220 / T-groove

### MEX-holder 1x / clamping $\varnothing 20\text{mm}$

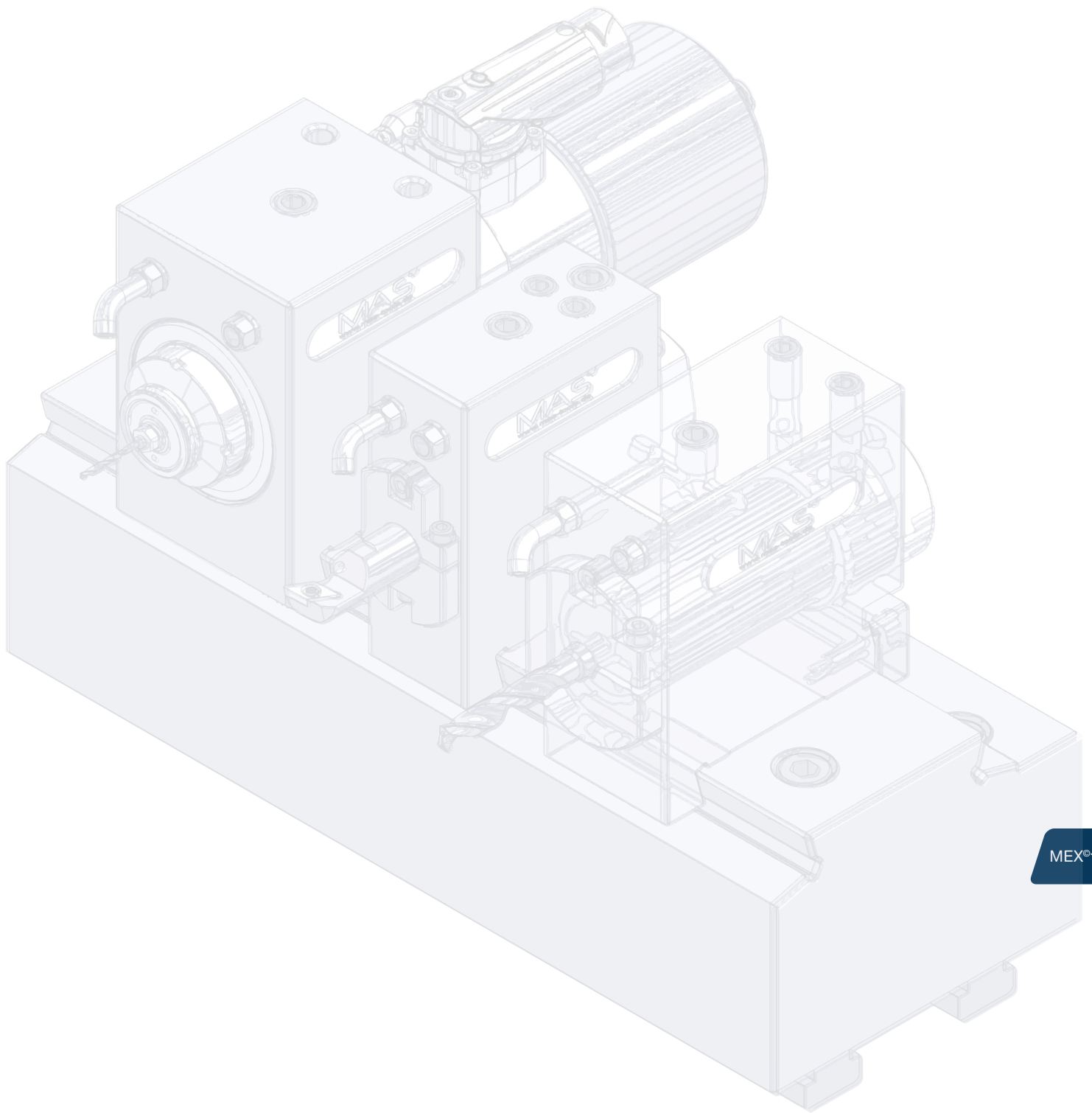


MAS-ID	Order number	Stock
Z00 000 202	MEX20-TS-1-Z202	○

Accessories, see from page 110 ● in stock ○ on request

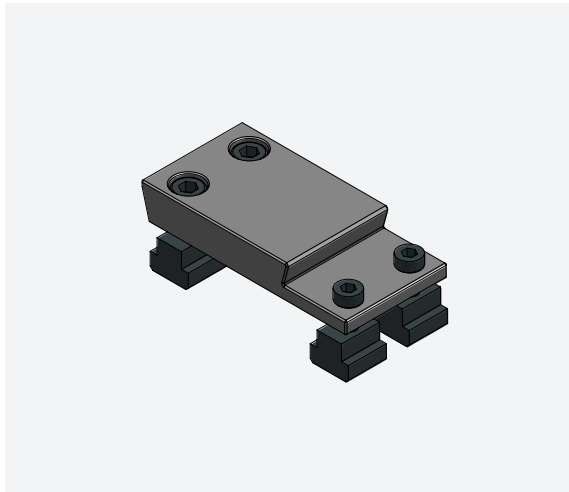






MEX<sup>®</sup>turn

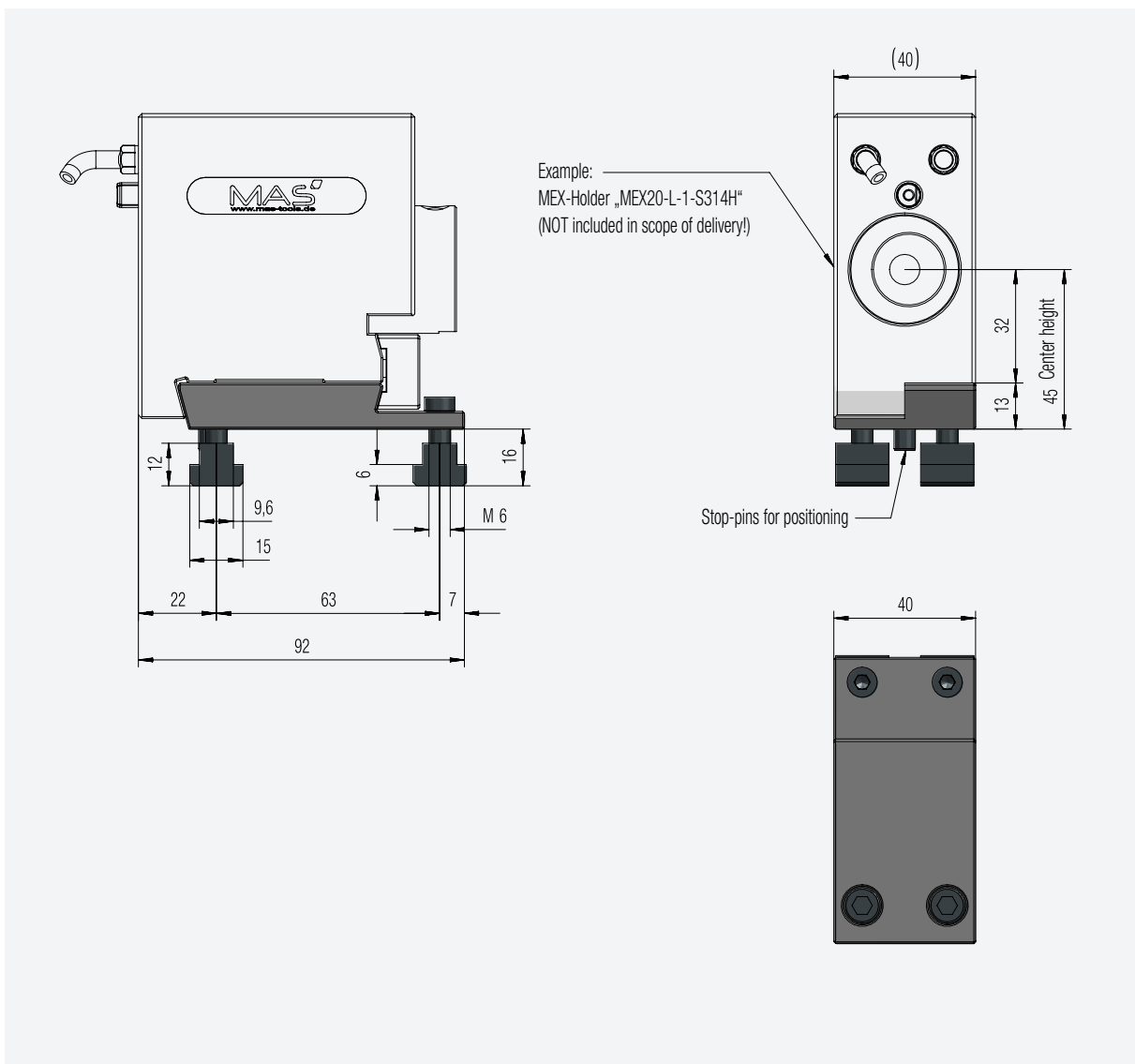
### Adapter plate for MAS-dovetail



MAS-ID	Order number	Stock
Z00 000 232	ADP-Z232	○

Accessories, see from page 110 ● in stock ○ on request

● Actual center height has to be checked



# TSUGAMI

## C220 / T-groove

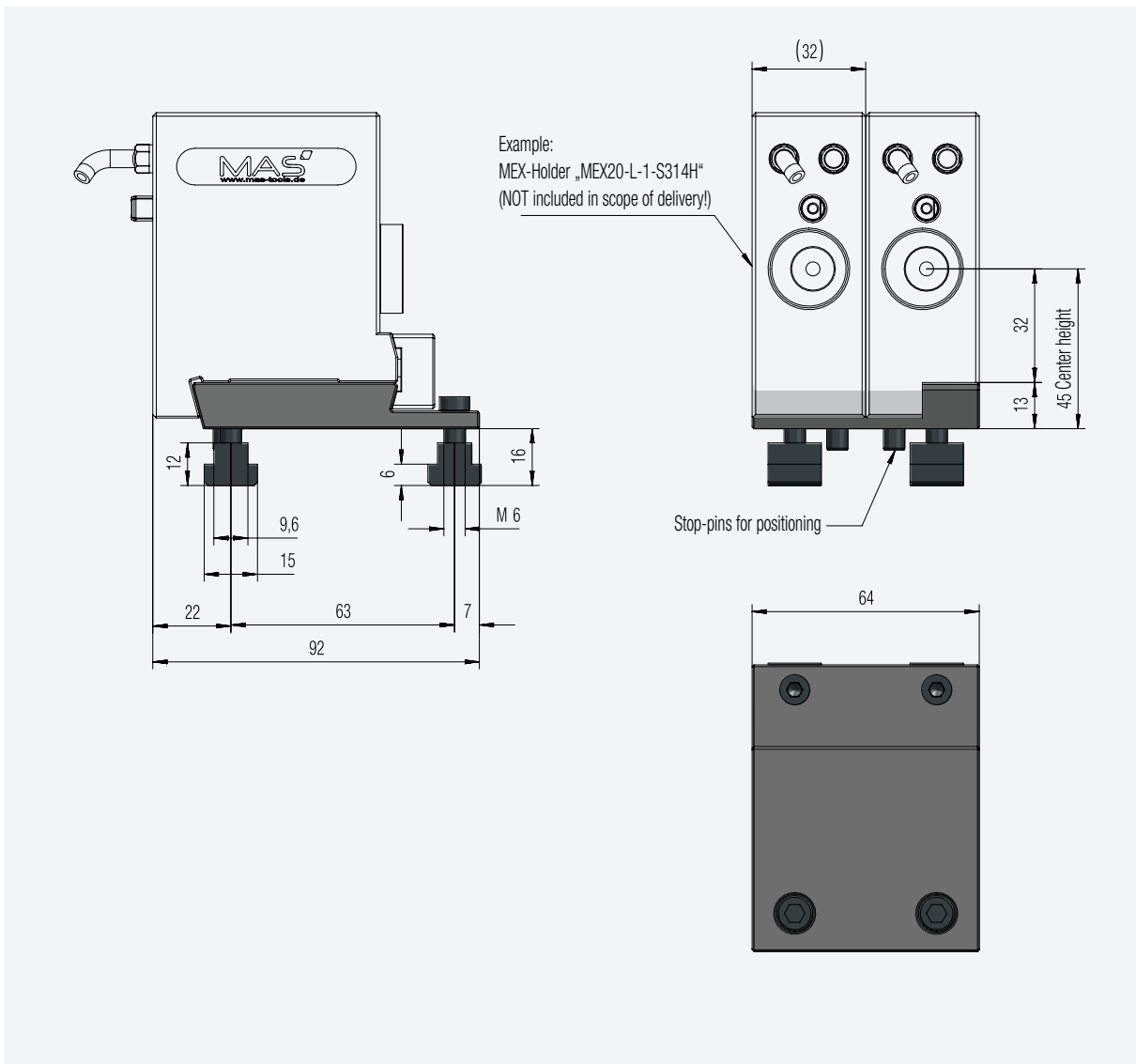
### Adapter plate for MAS-dovetail



MAS-ID	Order number	Stock
Z00 000 285	ADP-Z285	○

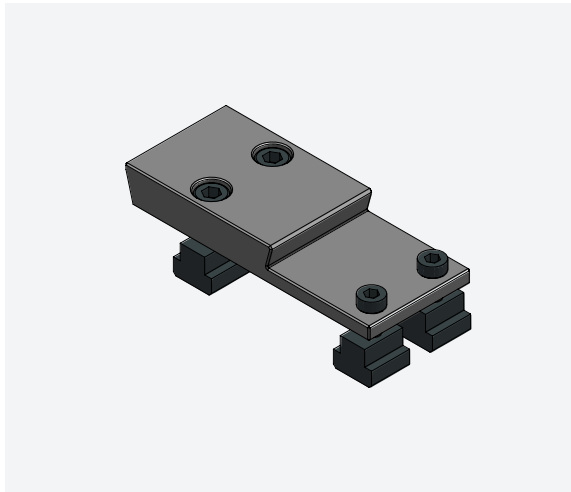
Accessories, see from page 110 ● in stock ○ on request

- Actual center height has to be checked



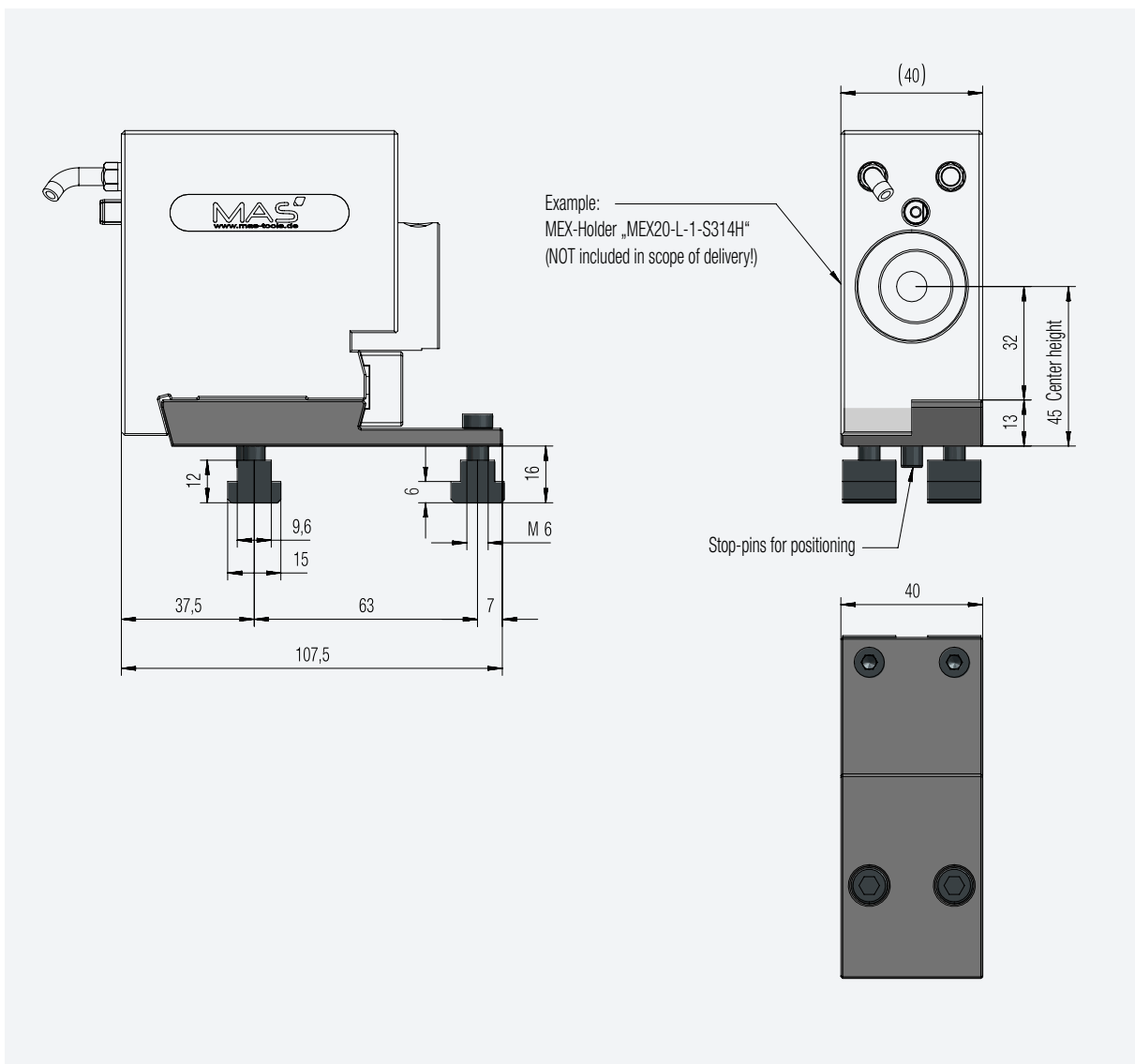
MEX<sup>®</sup>turn

### Adapter plate for MAS-dovetail

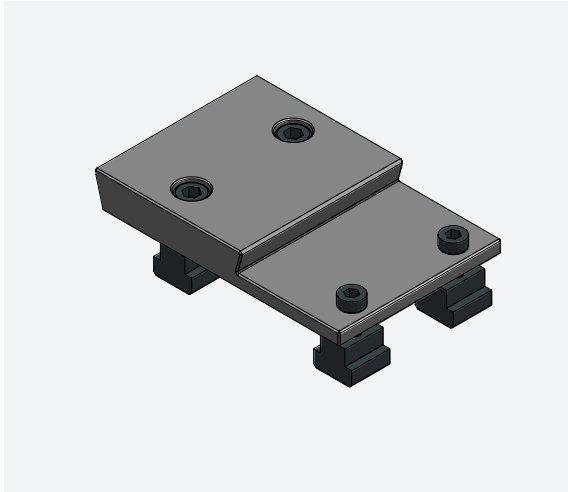


MAS-ID	Order number	Stock
Z00 000 379	ADP-Z379	○

Accessories, see from page 110 ● in stock ○ on request



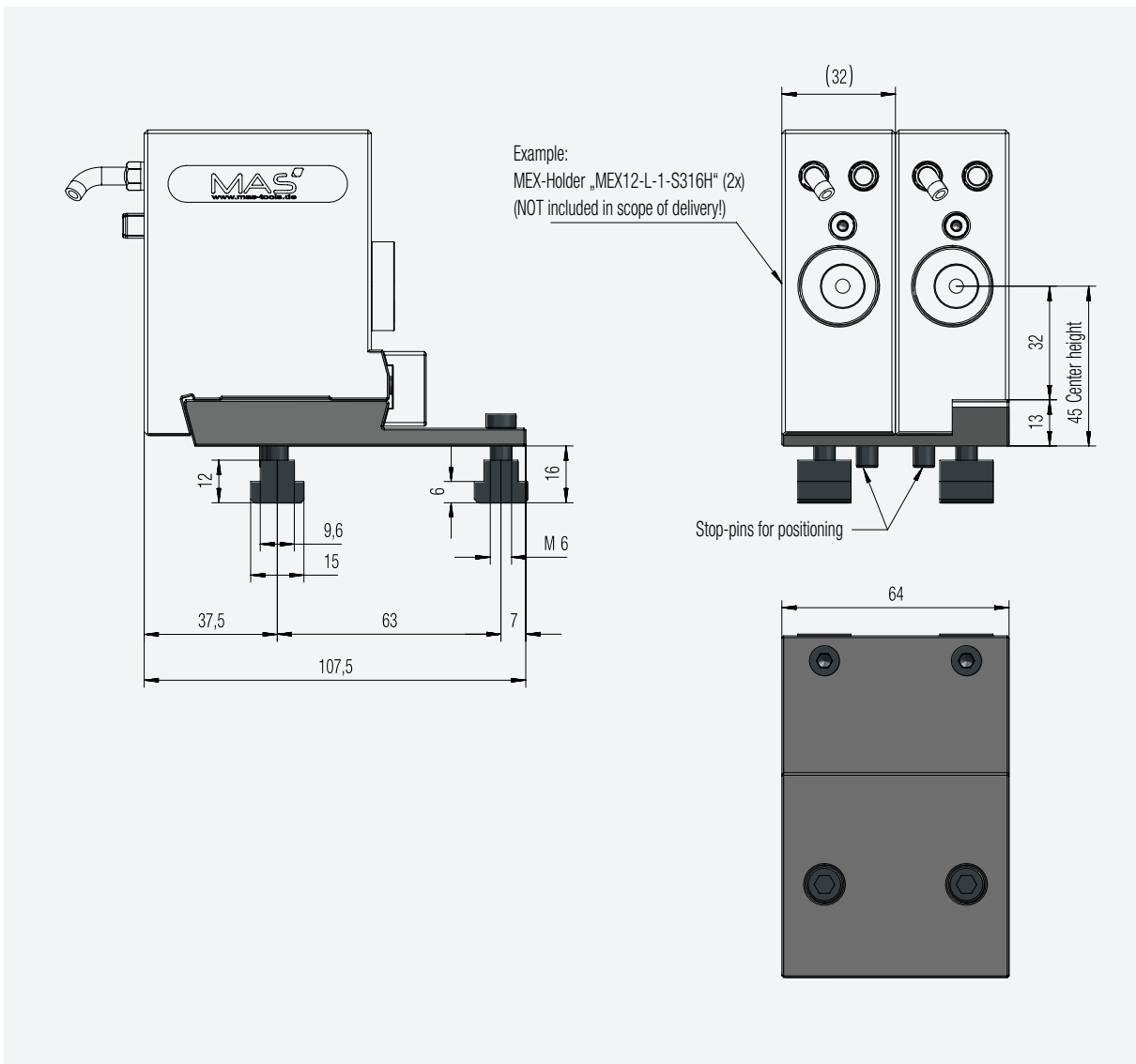
### Adapter plate for MAS-dovetail



MAS-ID	Order number	Stock
Z00 000 381	ADP-Z381	○

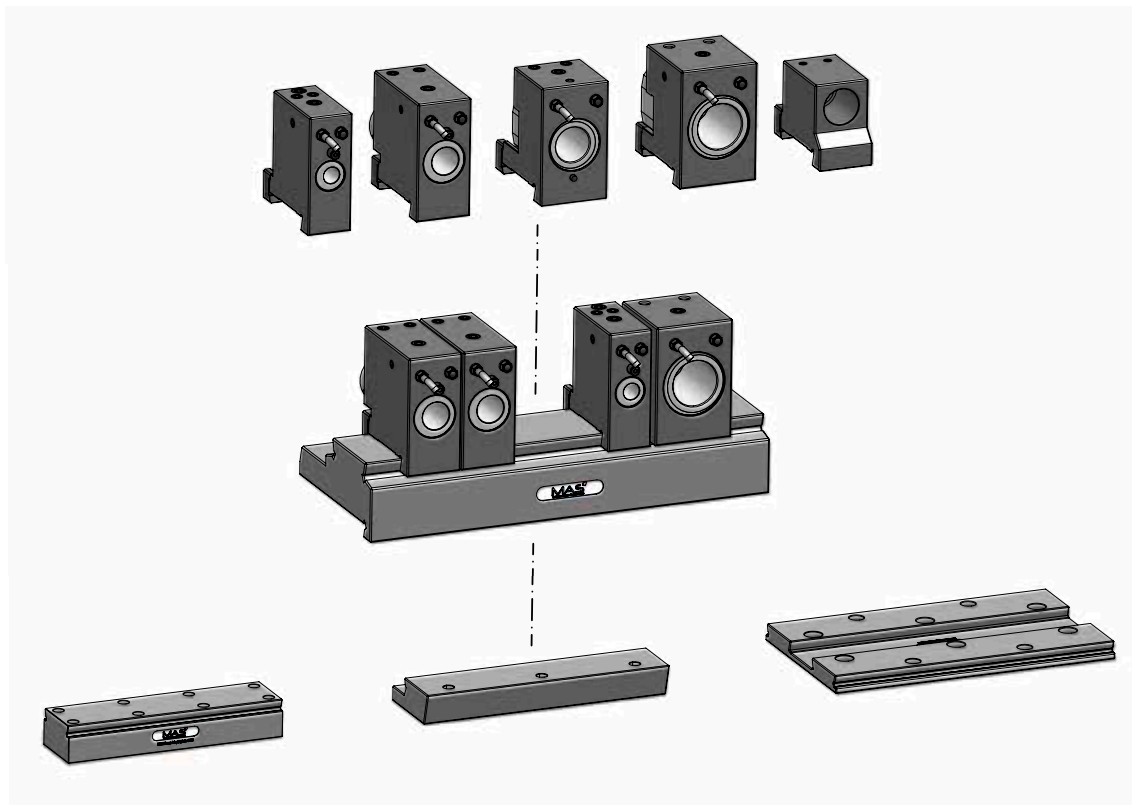
Accessories, see from page 110 ● in stock ○ on request

- Actual center height has to be checked



Universal deployment

# LINEAR TOOLHOLDERS / MAS-DOVETAIL



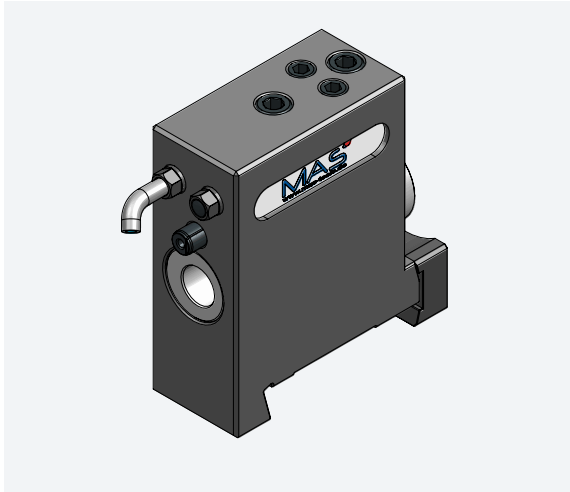
## MEX Universal Linear Toolholders

The dovetailed panel is specifically adapted for your machine. This enables toolholder changes in a wide variety of linear machines from a wide variety of manufacturers.

- Facilitates tooling
- Includes internal cooling
- Includes external cooling
- Clamping of high-frequency spindles with  $\varnothing$  25.4 mm
- Clamping of measuring probes

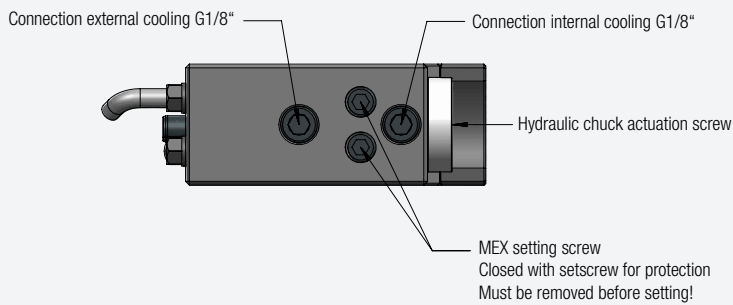
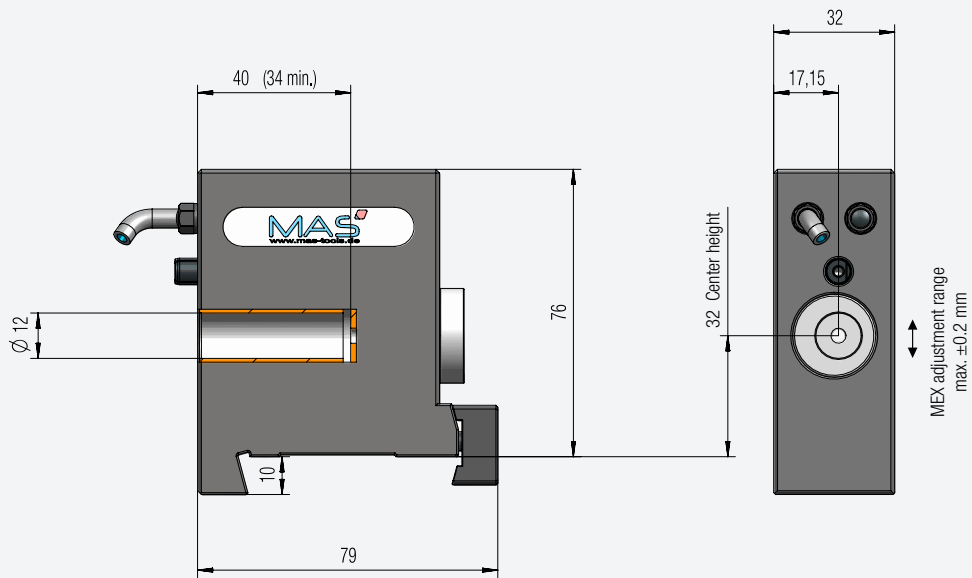
# Universal deployment MAS-DOVETAIL

MEX-holder 1x / clamping  $\varnothing$  12mm



MAS-ID	Order number	Stock
Z00 000 030	MEX12-L-1-S316H	●

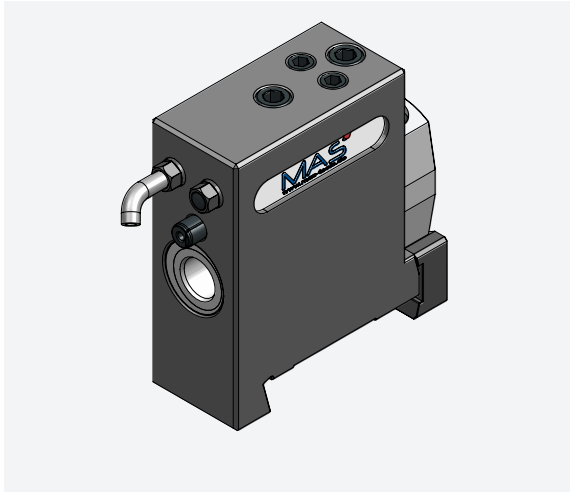
Accessories, see from page ● in stock ○ on request



MEX<sup>®</sup>turn

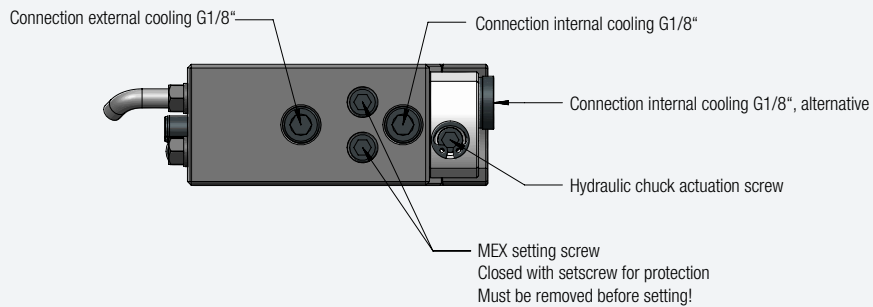
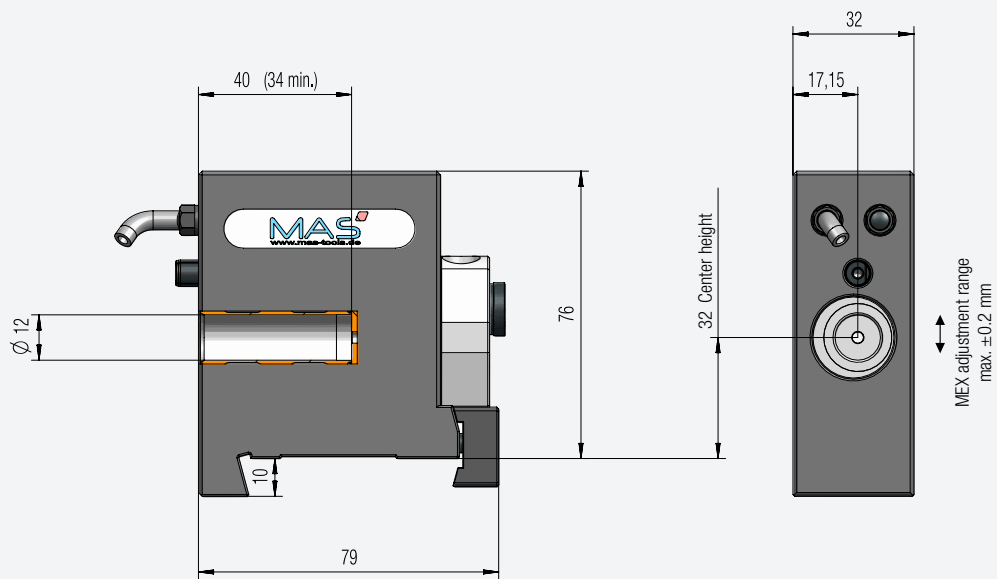
# Universal deployment MAS-DOVETAIL

MEX-holder 1x / clamping  $\varnothing$  12mm / radial



MAS-ID	Order number	Stock
Z00 000 317	MEX12-L-1-Z317	●

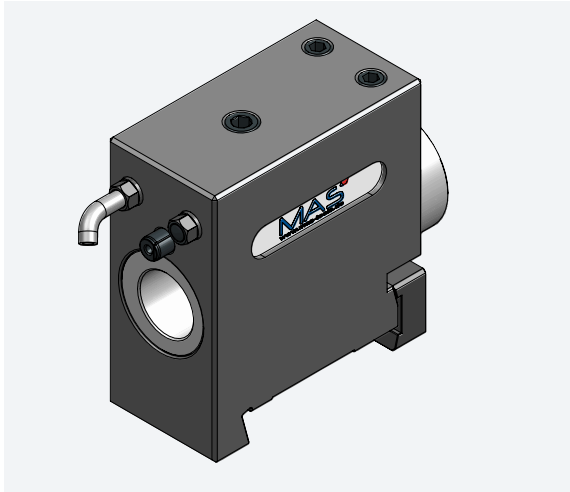
Accessories, see from page ● in stock ○ on request





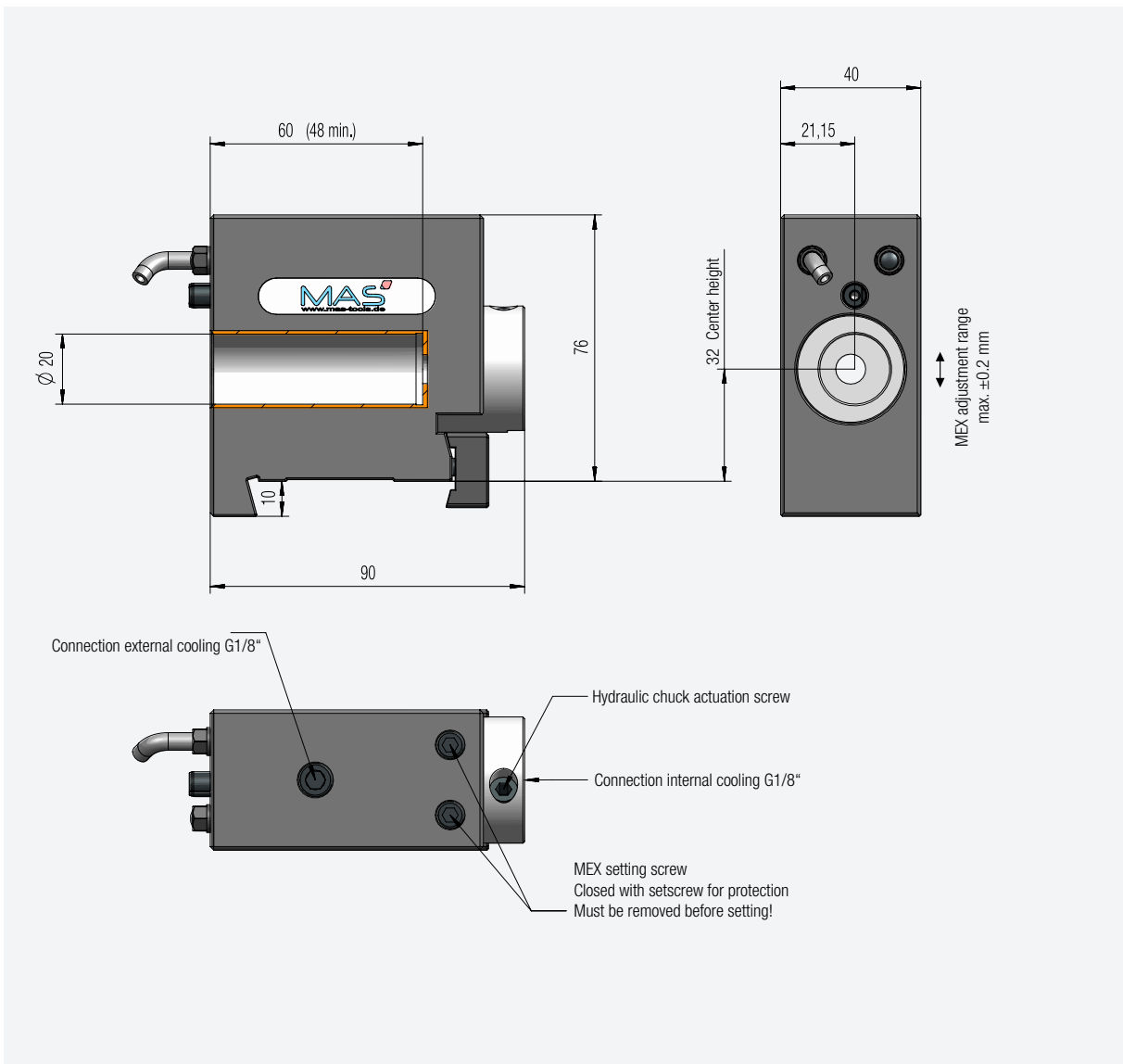
# Universal deployment MAS-DOVETAIL

MEX-holder 1x / clamping  $\varnothing$  20 mm



MAS-ID	Order number	Stock
Z00 004 916	MEX20-LINEAR-1-S314H	●

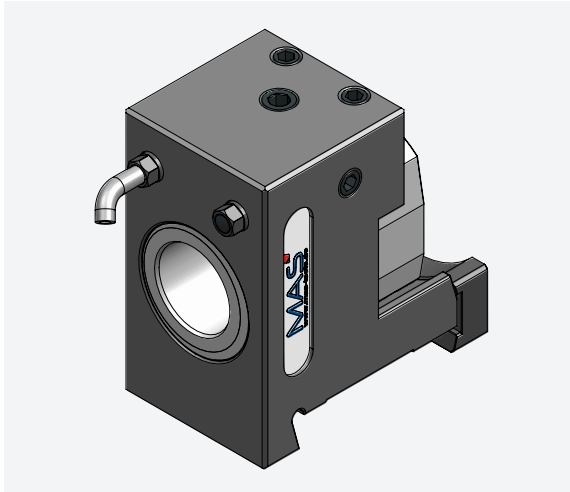
Accessories, see from page ● in stock ○ on request



MEX<sup>®</sup>turn

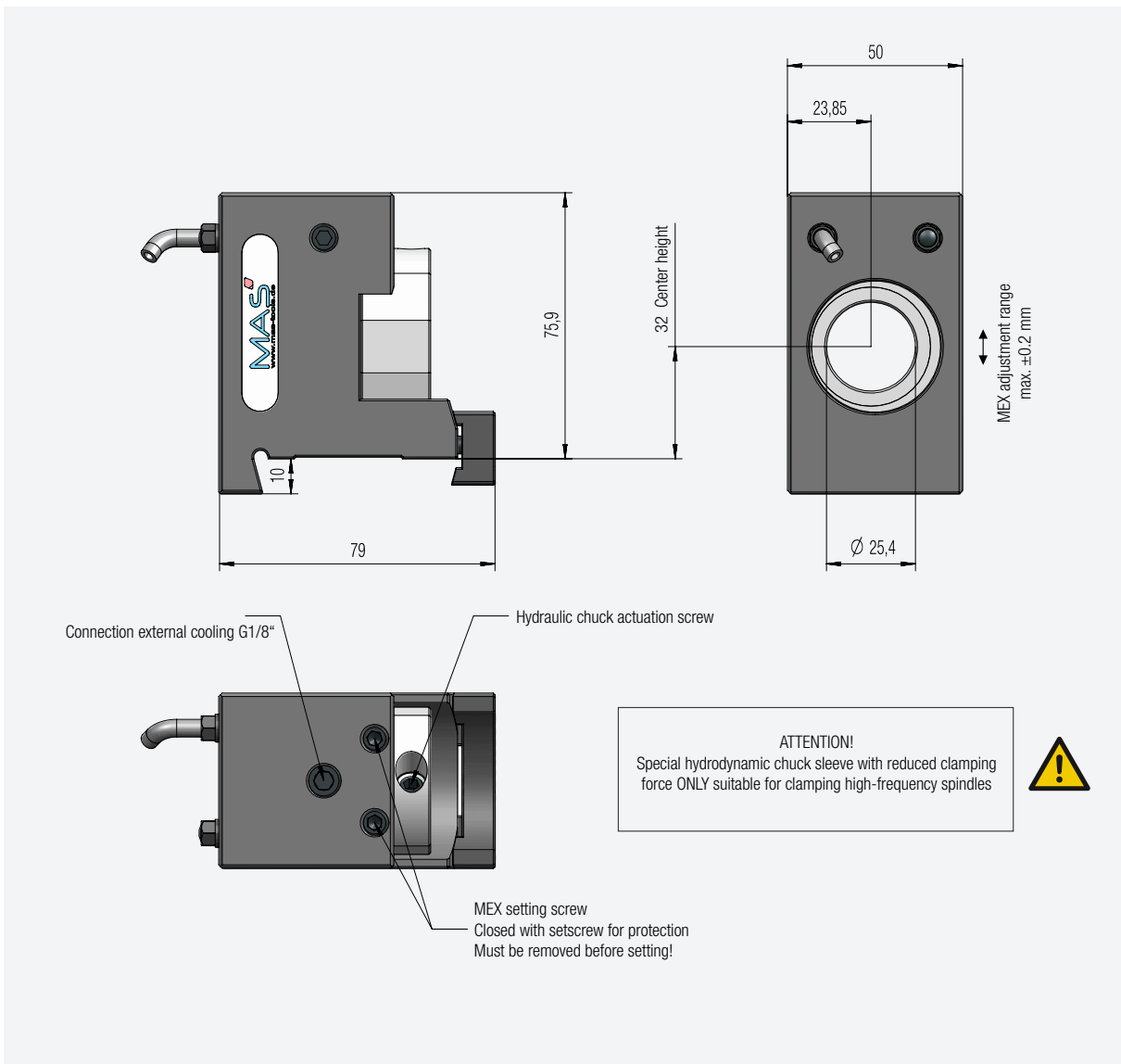
# Universal deployment MAS-DOVETAIL

MEX-holder 1x / HFS  $\varnothing$  25.4 mm



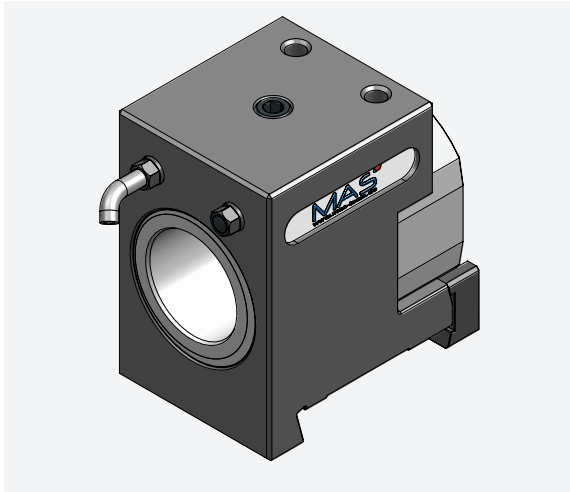
MAS-ID	Order number	Stock
Z00 000 129	MEX25.4-L-1-Z129	○

Accessories, see from page ● in stock ○ on request



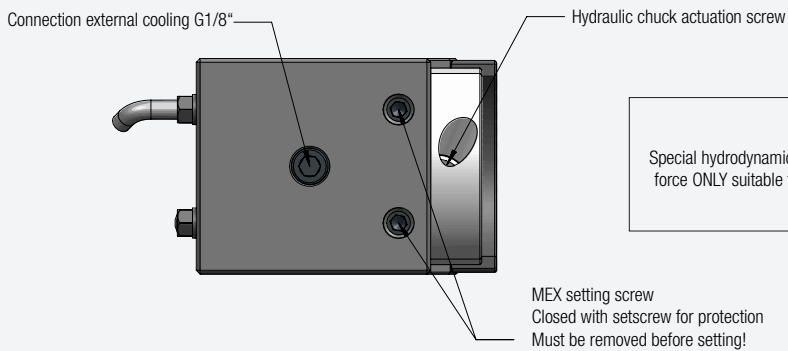
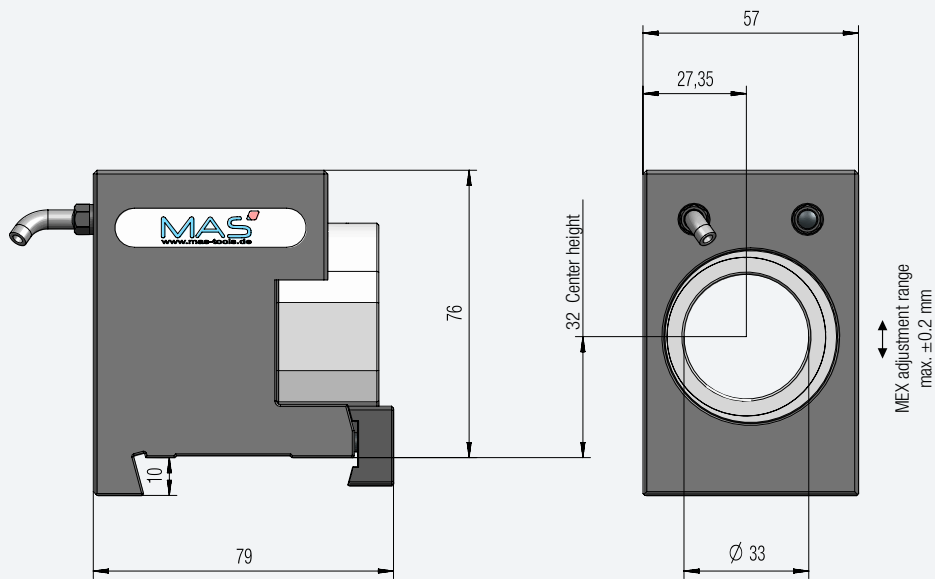
# Universal deployment MAS-DOVETAIL

MEX-holder 1x/ HFS  $\varnothing$  33 mm



MAS-ID	Order number	Stock
Z00 000 053	MEX33-L-1-S490H	●

Accessories, see from page ● in stock ○ on request



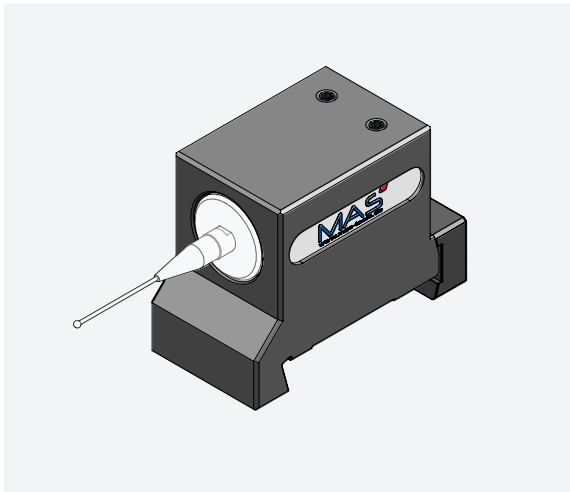
**ATTENTION!**  
Special hydrodynamic chuck sleeve with reduced clamping force **ONLY** suitable for clamping high-frequency spindles



MEX<sup>®</sup>turn

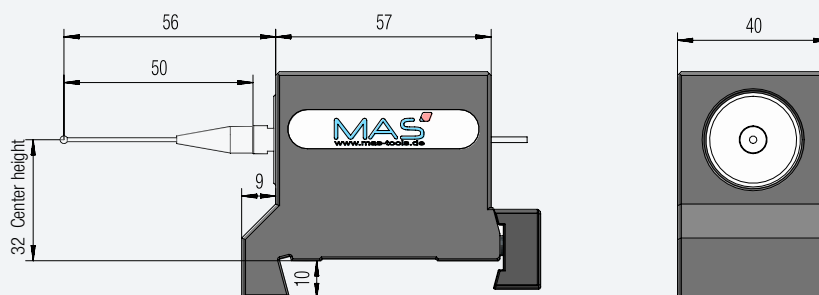
# Universal deployment MAS-DOVETAIL

## Measuring probe holder Blum TC76



MAS-ID	Order number	Stock
Z00 000 167	MES-L-Z167	●

Accessories, see from page ● in stock ○ on request



Probe insert 50mm  
Also available in 30, 75 and 100mm  
(not included in scope of delivery)

Blum measuring probe TC76  
(not included in scope of delivery)

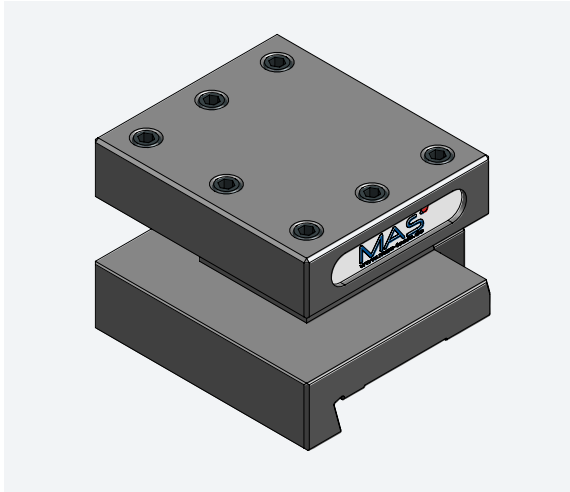


Setting screws for aligning and fixing  
the holder in place

Blum socket adjustable for measuring probe TC76  
P067600-40002 (2-pin)  
P067600-40082 (3-pin)  
(not included in scope of delivery)

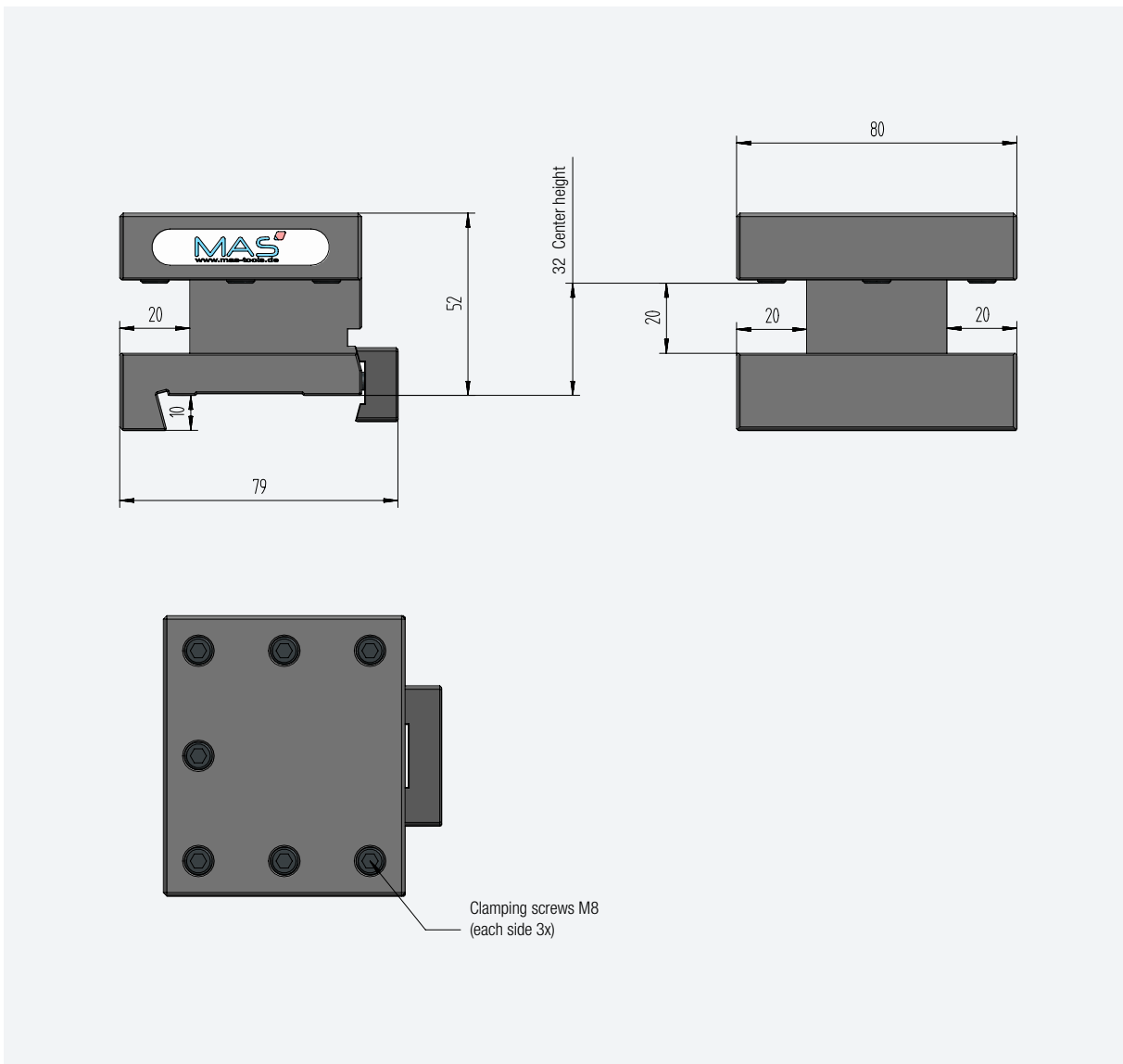
# Universal deployment MAS-DOVETAIL

## 20X20 square shank holder



MAS-ID	Order number	Stock
Z00 000 201	MEX2020-L-1-Z201	●

Accessories, see from page  in stock  on request

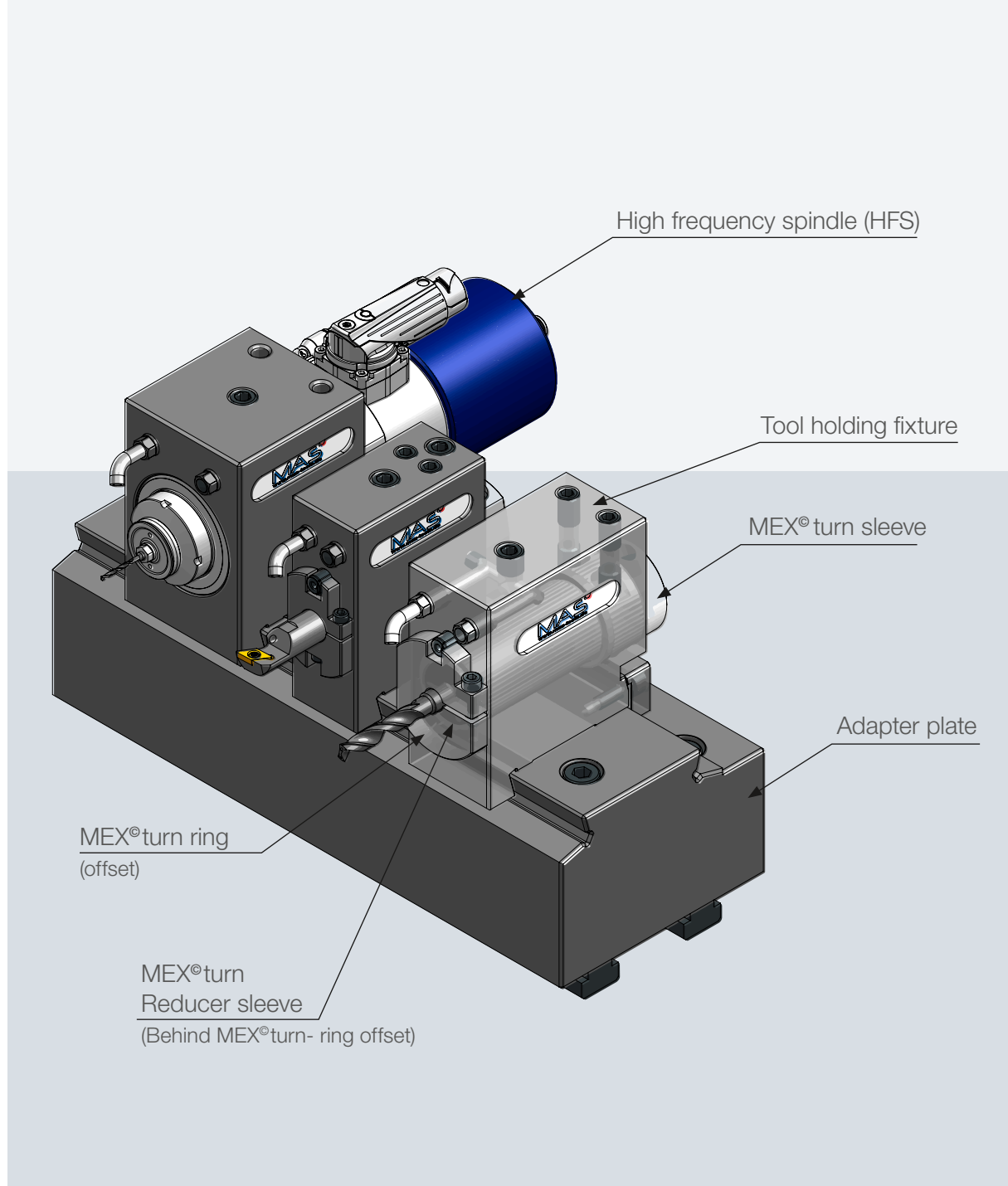


MEX<sup>®</sup>turn

# MEX©TURN TOOL

## Universal Linear Tool Holders

### Assembly example



# UNIVERSAL DEPLOYMENT

## Operating and usage instructions

### Cleaning

- Ensure that the holding fixture bore and tool shank are clean.

### Clamping

- Maintain minimum clamping lengths in the hydraulic chuck sleeve.
- Clamp the shank by turning the clamping screw as far as it will go.  
**Do not clamp while empty!**

### Clamping shanks

- Only smooth shanks and tool shanks according to DIN 1835 Form A and Form B (up to 12 mm), as well as drill rods with a clamping surface in reducer sleeves.

### Temperature

- Optimum temperature range between 10° and 50°.  
Do not use at temperatures exceeding 80°.

### Storage

- Store hydraulic chuck unclamped, cleaned and slightly lubricated.

MEX®turn



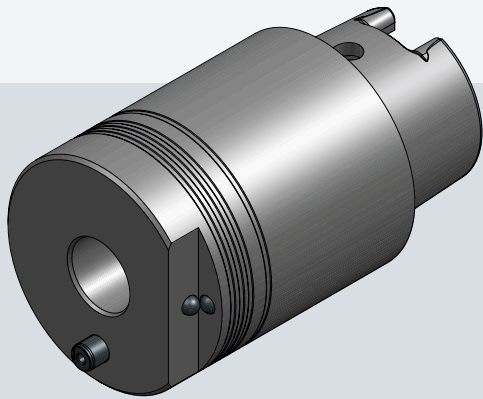
We would be pleased to send you our product portfolio.  
Alternatively, feel free to visit our website.

[www.mas-tools.de](http://www.mas-tools.de)

# PRE-ADJUSTMENT DEVICES

Setting Gauges for Manual Measurement and Adjustment

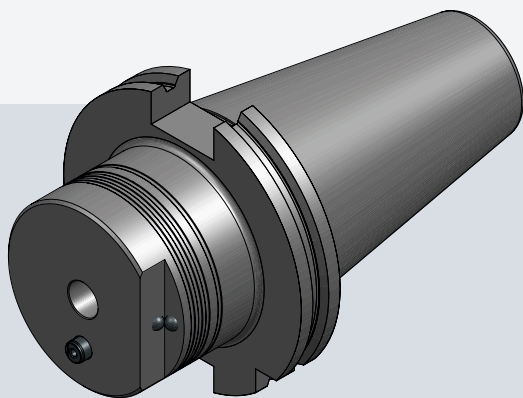
## HSK63 tool holding fixture clamping $\varnothing$ 12 & 20 mm



Order number	Stock
MEX12-HSK63 Fixture	<input checked="" type="radio"/>
MEX20-HSK63 Fixture	<input checked="" type="radio"/>

in stock  on request

## SK50 tool holding fixture clamping $\varnothing$ 12 & 20 mm



Order number	Stock
MEX12-SK50 Fixture	<input checked="" type="radio"/>
MEX20-SK50 Fixture	<input checked="" type="radio"/>

in stock  on request

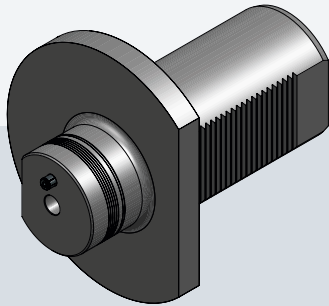
- Special lengths and diameters available on request.



# PRE-ADJUSTMENT DEVICES

Setting Gauges for Manual Measurement and Adjustment

## VDI80 gauge/clamping $\varnothing$ 12 mm & 20 mm



Order number	Stock
MEX12-VDI80 Fixture	●
MEX20-VDI80 Fixture	●

● in stock ○ on request

## Adjusting block/clamping $\varnothing$ 12mm & 20mm

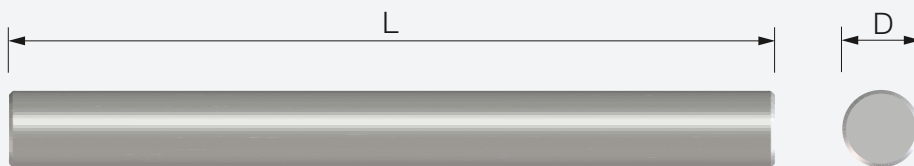


Order number	Stock
MEX12-Gauge-S287	●
MEX20-Gauge-S289	●

● in stock ○ on request

## Round solid carbide rod

● für MEX Voreinstellung

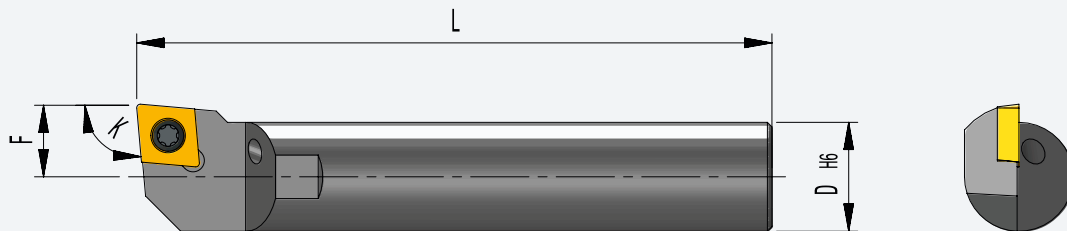


Order number	D (mm)	L (mm)	Stock
H01002-4H6x80mm	4	80	●
H01002-5H6x80mm	5	80	●
H01002-6H6x80mm	6	80	●
H01002-8H6x80mm	8	80	●
H01002-10H6x100mm	10	100	●
H01002-12H6x100mm	12	100	●
H01002-12H6x140mm	12	140	●
H01002-16H6x100mm	16	100	●
H01002-20H6x140mm	20	140	●

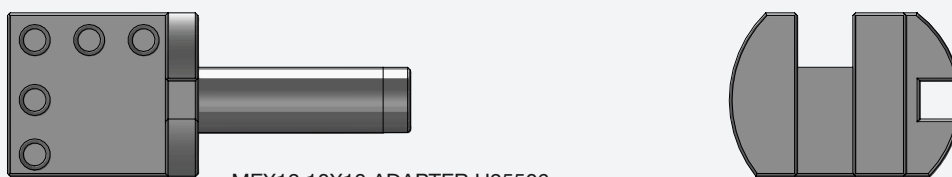
MEX<sup>®</sup>turn

# TOOL HOLDERS FOR EXTERNAL TURNING

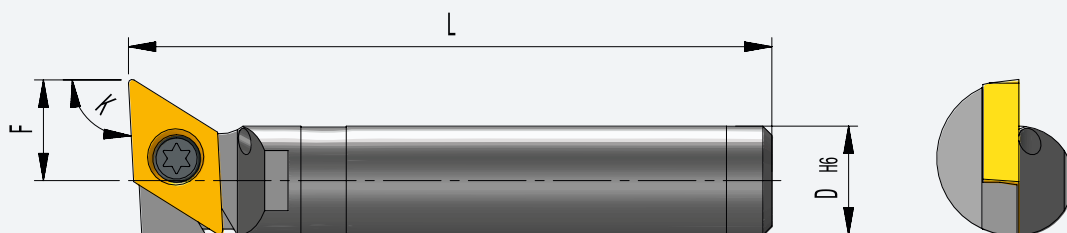
## MEX12 external turning



SCLCL-RD12X-06-H25505



MEX12 10X10 ADAPTER H25506

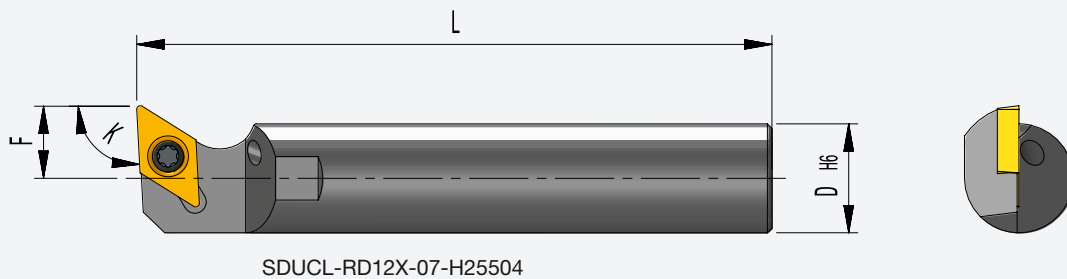


MEX12-SDUCL11L70.9F11.15H25377

Order number	F	L	κ	Dh6	Plate(s)	Nm	IC	R/L/N	Material	Stock
SCLCL-RD12X-06-H25505	8	70	95°	12	CC..0602..	1-1,2	x	Left	Steel	●
MEX12 10X10 ADAPTER H25506	—	—	—	—	—	—	—	—	—	●
MEX12-SDUCL11L70.9F11.15H25377	11,15	70,9	93°	12	DC..11T3..	—	x	Left	Steel	●

# TOOL HOLDERS FOR EXTERNAL TURNING

## MEX12 external turning



Order number	F	L	κ	Dh6	Plate(s)	Nm	IC	R/L/N	Material	Stock
SDQCL-RD12X-07-H25470	8	70	107,5°	12	DC..0702..	1-1,2	x	Left	Steel	●
SDUCL-RD12X-07-H25504	8	70	93°	12	DC..0702..	1-1,2	x	Left	Steel	●
SDQCR-RD12X-07-H32737	8	70	107,5°	12	DC..0702..	1-1,2	x	Right	Steel	●

● in stock ○ on request

## MEX20 external machining



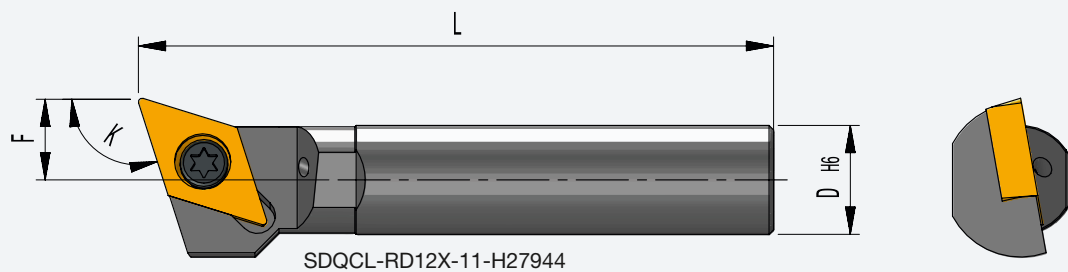
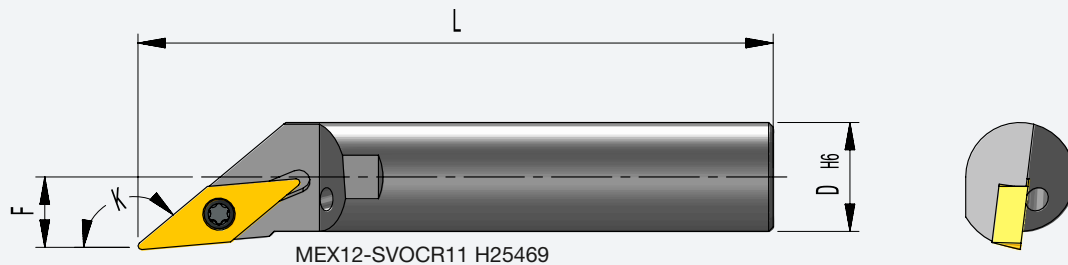
Order number	F	L	κ	Dh6	Plate(s)	Nm	IC	R/L/N	Material	Stock
SDUCR-RD20H-11-H28631	13	100	93°	20	DC..11T3..	—	x	Right	Steel	●
SDUCL-RD20H-11-H28630	13	100	93°	20	DC..11T3..	—	x	Left	Steel	●

● in stock ○ on request

MEX<sup>®</sup>turn

# TOOL HOLDERS FOR INTERNAL TURNING

## MEX12 internal machining

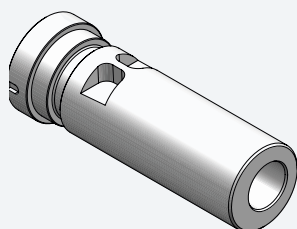


Order number	F	L	κ	Dh6	Plate(s)	Nm	IC	D <sub>min</sub>	R/L/N	Material	Stock
MEX12-SVOCR11 H25469	8	70	140°	12	VC..1103..	—	×	—	Right	Steel	○
SDQCL-RD12X-11-H27944	9	70	107,5°	12	DC..11T3..	—	×	20	Left	Steel	○

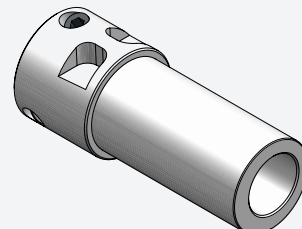
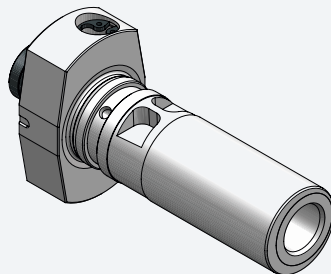
● in stock ○ on request

# MEX<sup>®</sup>turn SLEEVES

## MEX tool holding fixture / various clamp diameters



Minimum clamp length: 34 mm

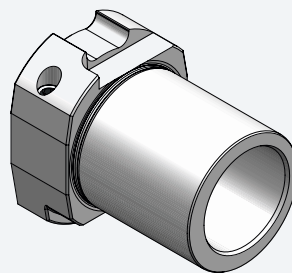
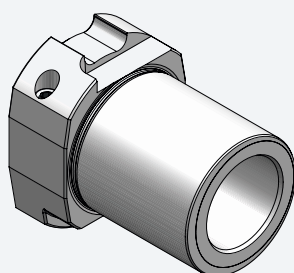


Minimum clamp length: 48 mm

Order number	D (mm)	Transmissible torque (Nm)	Max. clamp Depth (mm)	Stock
MEX12-SLEEVE	12	60	40	●
MEX12R-H-E1151	12	80	40	●
MEX20-SLEEVE	20	110	60	●

\*Torque designed for HFS

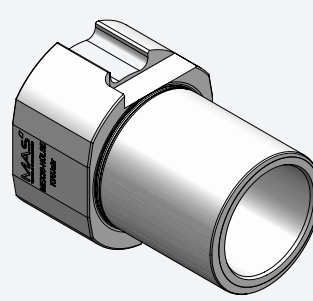
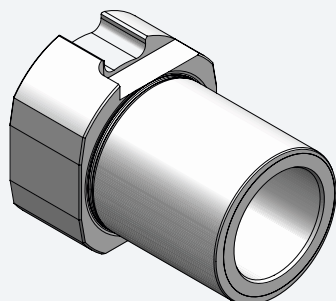
● in stock ○ on request



Order number	D (mm)	Transmissible torque (Nm)	Max. clamp Depth (mm)	Stock
MEX25,4-SLEEVE* High frequency (HFS)	25,4	50	—	●
MEX28,5-SLEEVE	28,5	250	—	●

\*Torque designed for HFS

● in stock ○ on request



Order number	D (mm)	Transmissible torque (Nm)	Max. clamp Depth (mm)	Stock
MEX33-SLEEVE* High frequency (HFS)	33	75	—	●
MEX36-SLEEVE	36	300	—	●

\*Torque designed for HFS

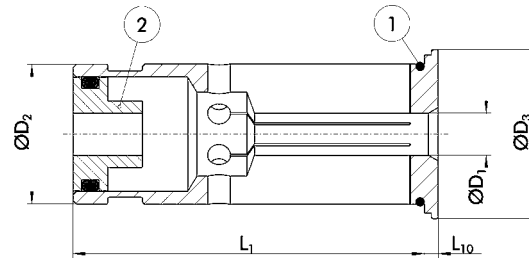
● in stock ○ on request

MEX<sup>®</sup>turn

# REDUCER SLEEVES

## Benefits and features

### MEX GD Reducer sleeves - sealed



- ① O-ring seal
- ② Adjustable stop/Length adjustment

- With peripheral sealing

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- Collar slitted

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- Not coolant-tight

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- High runout accuracy  $< 3 \mu\text{m}$ .

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- Clamping different tool shank diameters.

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- The use of a reduction sleeve increases the transferable torque.

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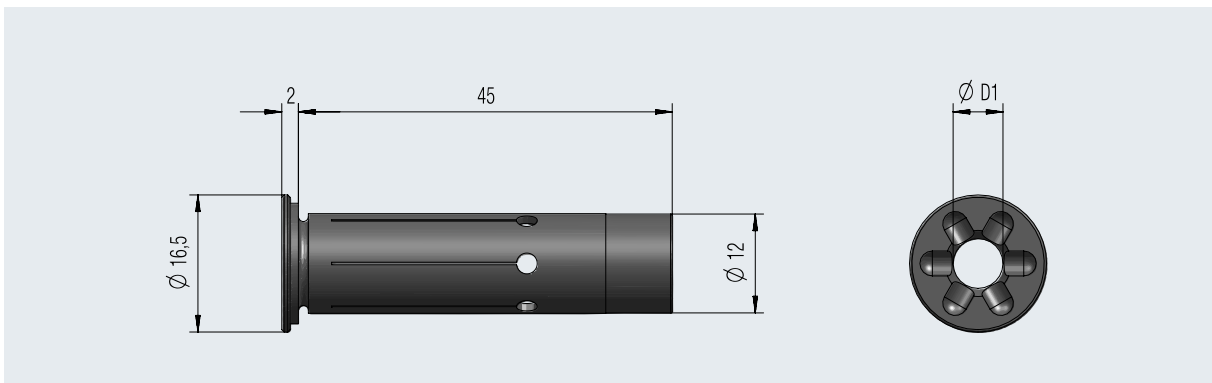
- Adjustable stop/Length adjustment

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# REDUCER SLEEVES

Benefits and features

MEX KM Reducer sleeves - not sealed



## SEALED

MAS-ID	Order number	D1
M10 010 929	RED-MEX12-3-GD	3
M10 010 931	RED-MEX12-4-GD	4
M10 010 933	RED-MEX12-5-GD	5
S00 001 291	RED-MEX12-6-GD	6
M10 010 937	RED-MEX12-8-GD	8

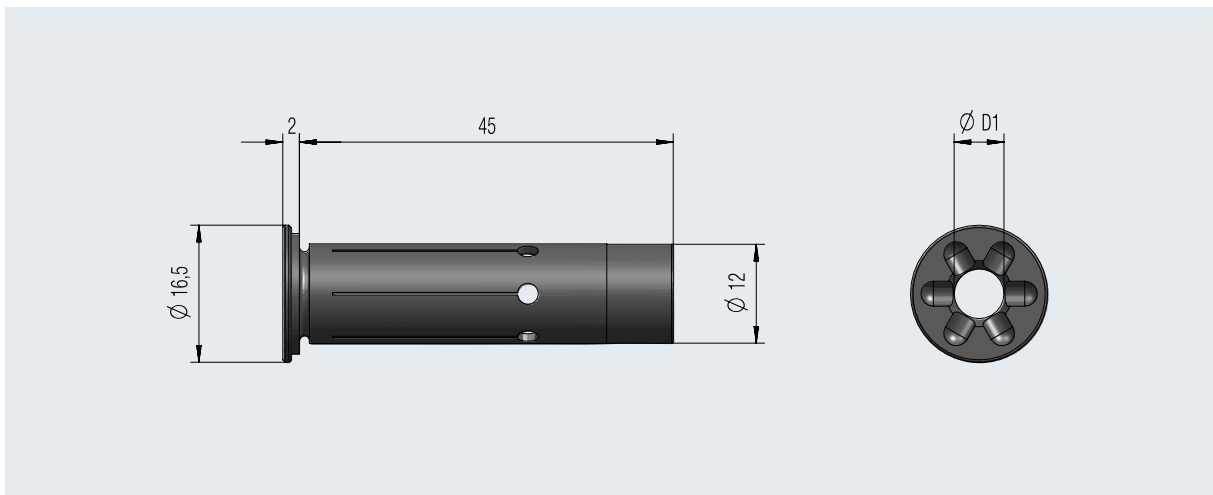
## NOT SEALED

MAS-ID	Order number	D1
M10 010 930	RED-MEX12-3-KM	3
M10 010 932	RED-MEX12-4-KM	4
M10 010 934	RED-MEX12-5-KM	5
S00 001 290	RED-MEX12-6-KM	6
S00 001 270	RED-MEX12-8-KM	8

MEX<sup>®</sup>turn

# REDUCER SLEEVES Ø12

MEX tool holding fixture / clamp ø 12mm



## SEALED

Order number	D1	Stock
RED-MEX12-3-GD	3	●
RED-MEX12-4-GD	4	●
RED-MEX12-5-GD	5	●
RED-MEX12-6-GD	6	●
RED-MEX12-8-GD	8	●

● in stock ○ on request

## NOT SEALED

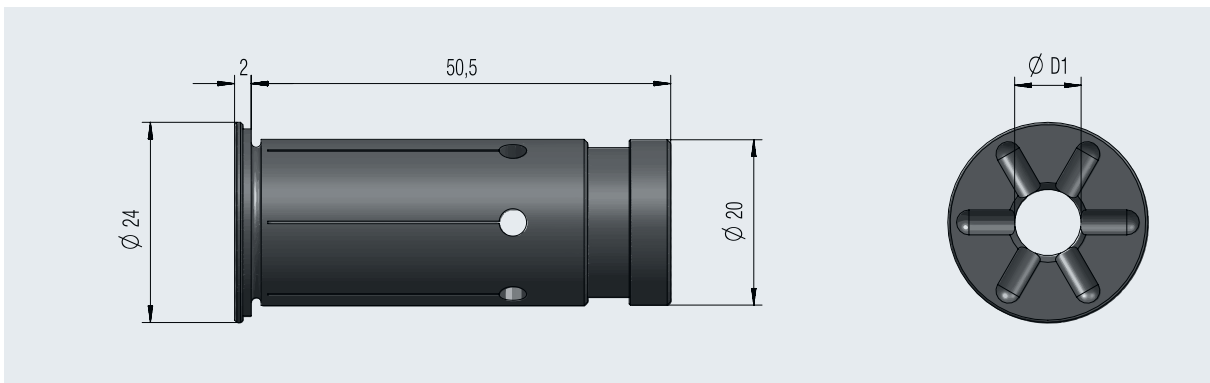
Order number	D1	Stock
RED-MEX12-3-KM	3	●
RED-MEX12-4-KM	4	●
RED-MEX12-5-KM	5	●
RED-MEX12-6-KM	6	●
RED-MEX12-8-KM	8	●

● in stock ○ on request



# REDUCER SLEEVES Ø20

MEX tool holding fixture / clamp ø20mm



SEALED		
Order number	D1	Stock
RED-MEX20-3-GD	3	●
RED-MEX20-4-GD	4	●
RED-MEX20-5-GD	5	●
RED-MEX20-6-GD	6	●
RED-MEX20-7-GD	7	●
RED-MEX20-8-GD	8	●
RED-MEX20-9-GD	9	●
RED-MEX20-10-GD	10	●
RED-MEX20-11-GD	11	●
RED-MEX20-12-GD	12	●
RED-MEX20-13-GD	13	●
RED-MEX20-14-GD	14	●
RED-MEX20-15-GD	15	●
RED-MEX20-16-GD	16	●

● in stock ○ on request

NOT SEALED		
Order number	D1	Stock
RED-MEX20-3-KM	3	●
RED-MEX20-4-KM	4	●
RED-MEX20-5-KM	5	●
RED-MEX20-6-KM	6	●
RED-MEX20-7-KM	7	●
RED-MEX20-8-KM	8	●
RED-MEX20-9-KM	9	●
RED-MEX20-10-KM	10	●
RED-MEX20-11-KM	11	●
RED-MEX20-12-KM	12	●
RED-MEX20-13-KM	13	●
RED-MEX20-14-KM	14	●
RED-MEX20-15-KM	15	●
RED-MEX20-16-KM	16	●

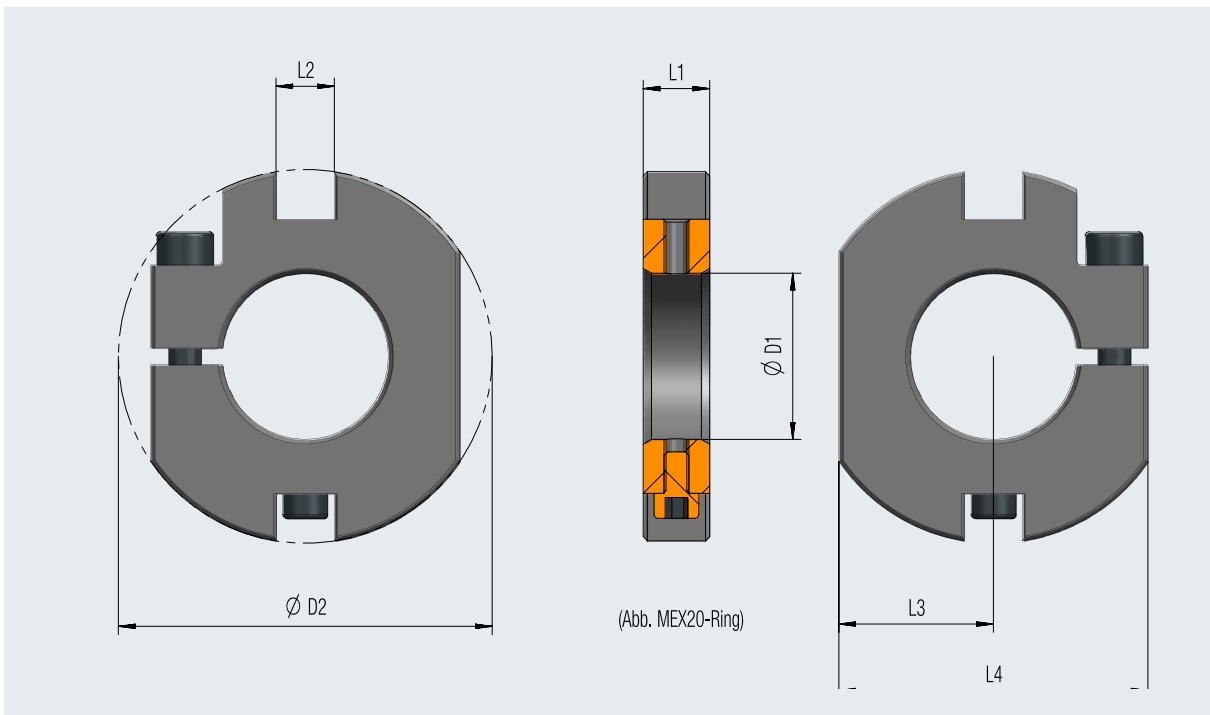
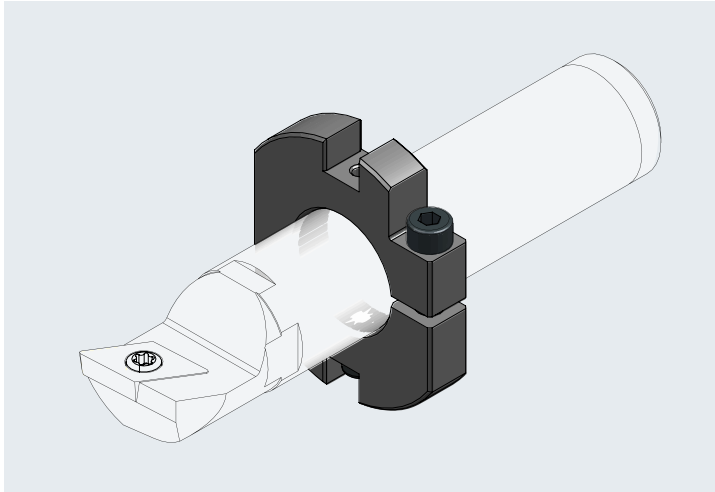
● in stock ○ on request

- Individual sizes between those specified and special-purpose solutions available on request.

MEX<sup>®</sup>turn

# VARIOUS MEX RINGS

MEX tool holding fixture / various clamp diameters



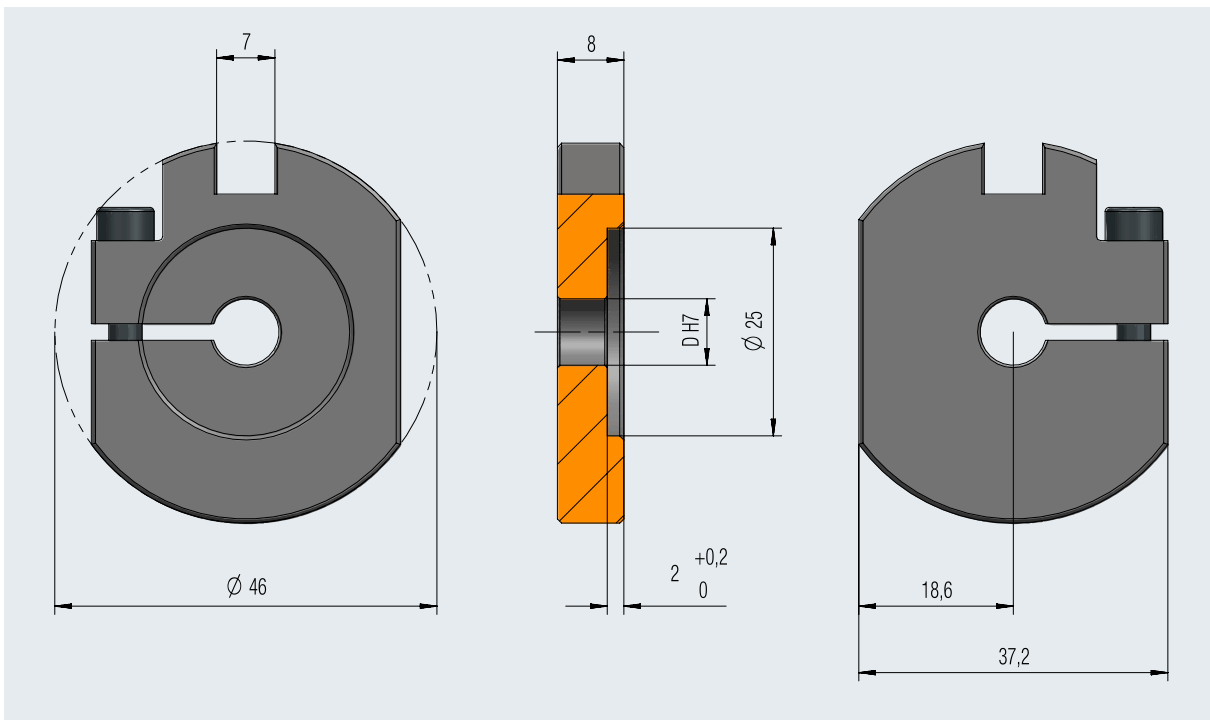
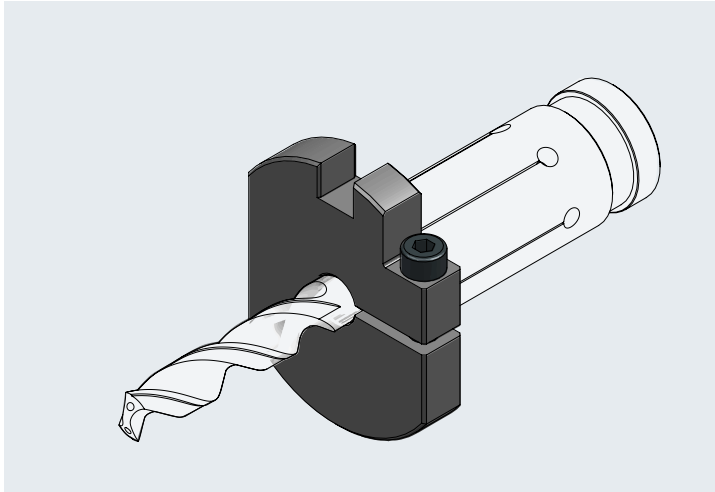
MAS-ID	Order number	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	Stock
E 0000 3313	MEX12-RING	12	40	6	7	13	26.5	●
E 0000 1493	MEX20-RING	20	45	8	7	18.6	37.2	●
E 0000 4954	MEX20-RING-S544	20	45	8	7	17	35.2	●
E 0000 4955	MEX25.4-RING	25.4	50	8	4	19.85	39.7	●
E 0000 4956	MEX28.5-RING	28.5	50	8	4	19.85	39.7	●
E 0000 4957	MEX33-RING	33	60	8	4	24.85	49.7	●
E 0000 4958	MEX36-RING	36	60	8	4	24.85	49.7	●

● auf Lager ○ auf Anfrage

# MEX RING, OFFSET

Direct Shank Clamping

MEX tool holding fixture / clamp  $\varnothing 20\text{mm}$



MEX<sup>®</sup>turn

MAS-ID	Order number	DH7 Tool shank- $\varnothing$	Stock
E 0000 6510	MEX20-03-RING	3	●
E 0000 6511	MEX20-04-RING	4	●
E 0000 6512	MEX20-05-RING	5	●
E 0000 6513	MEX20-06-RING	6	●
E 0000 6514	MEX20-08-RING	8	●
E 0000 6515	MEX20-10-RING	10	●
E 0000 5874	MEX20-12-RING	12	●
E 0000 6516	MEX20-14-RING	14	●
E 0000 6517	MEX20-15-RING	15	●
E 0000 6531	MEX20-16-RING	16	●
E 0000 6534	MEX20-18-RING	18	●



**PEOPLE**

Cooperate in fair partnership



**AMBITION**

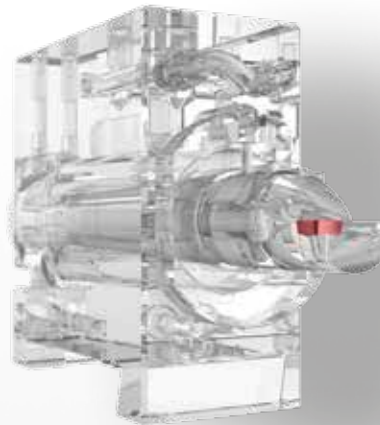
Question yesterday's, in order to develop new solutions for today and tomorrow



**SYNERGY**

Share our strength

# MEX<sup>©</sup>turn



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