



**NEW**

# GT5-2G

new 5-axis vice by SMW-AUTOBLOK

**FULLY SEALED**

Protected spindle

**QUICK JAW CHANGE**

For minimum set-up times

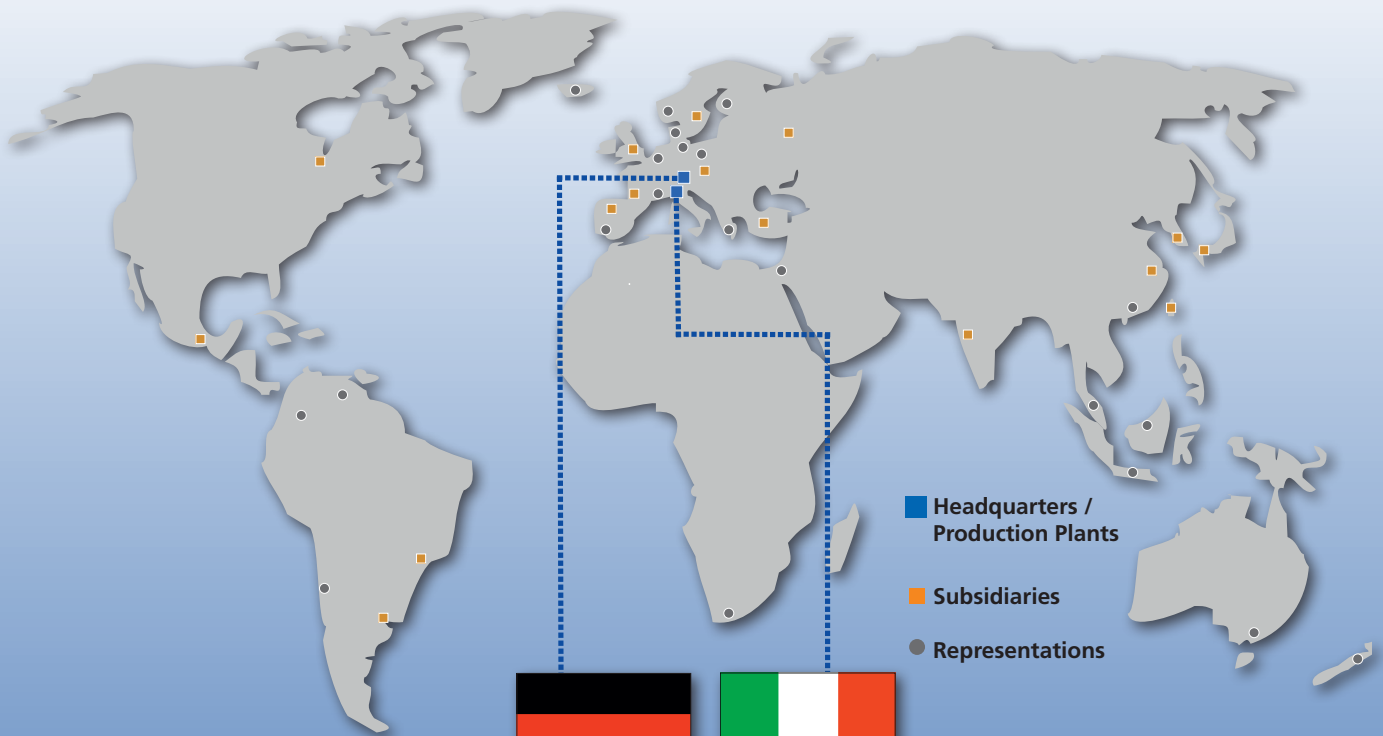
**EXTENSION OF THE CLAMPING RANGE**

up to max 1335 mm



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# Product range



Page 4

## GT5-2G

### Overview 5-axis vice

- Innovative features
- Description of operation



Page 6

## GT5-2G

### Overview guide rail GS

- Guide rail length overview
- Innovative fastening by trapeze clamps
- Overview clamping length extension



Page 8

## GT5-2G

### 5-axis vice

- Tool less top jaw change
- Optical check for the end position
- Mechanical power amplifier
- Clamping range from 10 to 1335 mm
- 3 different clamping heights
- Process stable and repeatable



Page 9

## GT5-2G

### Guide rail GS

- Mountable by clamps from inside and outside
- Guide rail can be extended on the machine table
- Optional with fixed position points available



Page 12

## GT5-2G

### Top jaws

- Stepped reversible jaws
- Soft jaws aluminium/steel
- Narrow clamping jaws



Page 13

## GT5-2G

### Accessories

- Guide rail extension GSV
- Spindle extension SV
- Trapeze clamps TSP

# NEW GENERATION

## The flexible 5-Axis Vice

**proofline® series**  
fully sealed – low maintenance

# GT5-2G

Telescopic spindle Proofline - sealed and low maintenance

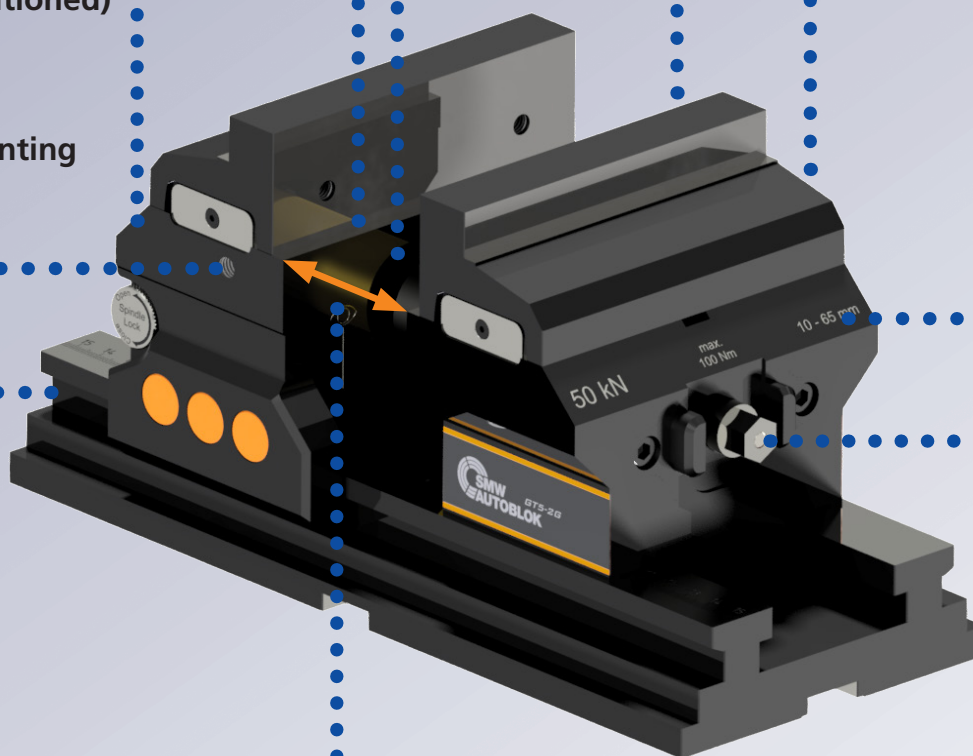
Plane surface for parallels for finish machining OP20

Fixed jaw (can be repositioned)

Possibility for work stop mounting

Innovativ quick change jaw system - without tools and screws for minimum set up time

Movable jaw



Extrem rigid guide rail with scale for simple jaw positioning

Simple extension of the clamping range by different guide rail and spindle extensions (up to 1335 mm)

Optical check for the end position

Actuation for high clamping forces up to 50 kN

# Clamping glossary

**GT5-2G:** The new 5-axis vice GT5-2G contains a sophisticated and user friendly kit system. The GT5-2G consist of a moveable jaw and a fixed jaw which mounted on a guide rail. The guide rails are available in different lengths and are extendable, so the GT5-2G can be custom configured. With the wide range of the top jaws we can cover all needed options at the 5-axe machining.

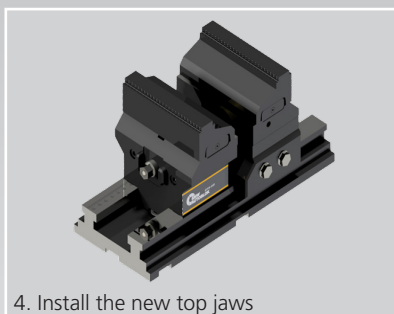
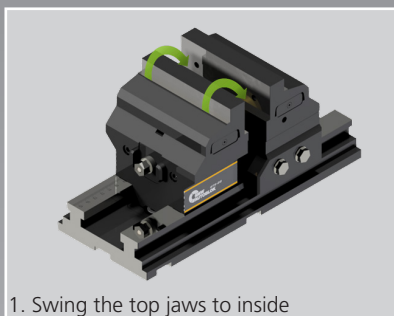
**Jaw quick change:** The top jaws can be changed within seconds without using tools or screws. It is set up time saving and this will reduce the productions costs.

**Extension of the clamping range:** The clamping range of the GT5-2G can be extended in a short time up to a clamping length of 1.335 mm. This can be done using different guide rails and spindle extensions.

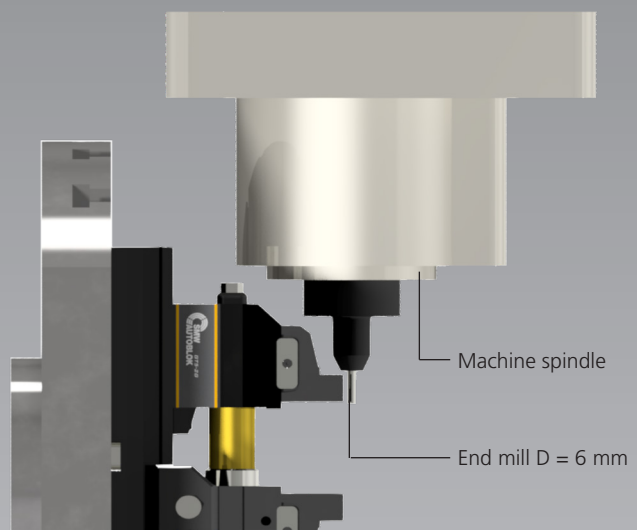
**Check of the end position:** By the optical check for the end position the user will notice if the work piece is secure clamped with enough clamping force and residual stroke. This secures highest reliability during the machining process.

**Actuation:** The telescopic spindle is permanently lubricated, sealed and is maintenance low. The integrated power amplifier creates clamping forces up to 50 kN. This guaranties constant high clamping forces. Pre punching of the workpiece is not needed.

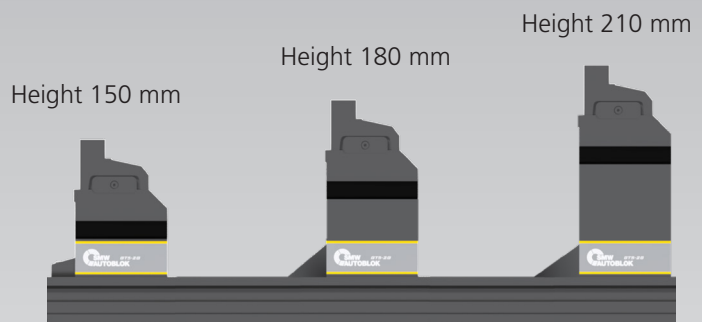
## Tool less jaw quick change



## Less interference



## 3 different jaw heights for the moveable and the fixed jaw



# GT5-2G Guide rail (GS)

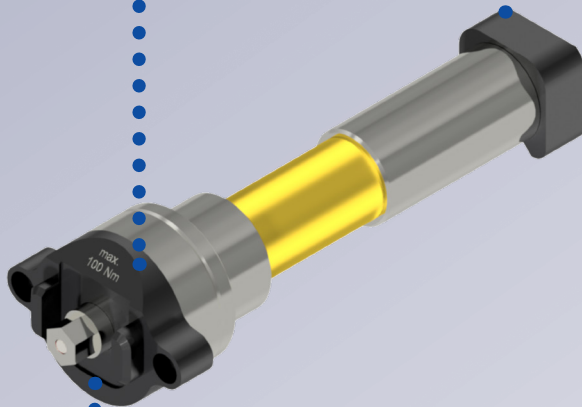
## Internal trapeze clamps

- Less deformation, rigid connection with the machine table
- No interference on the machine table caused by outer clamps
- Quick mounting on the machine table by only 2 or 3 trapeze clamps

### Clamping actuation

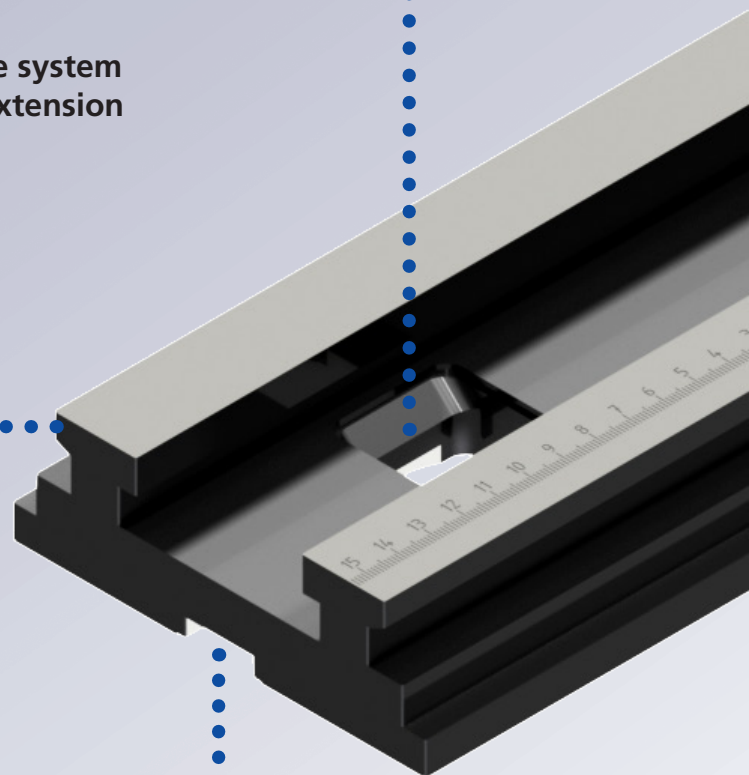
- 50 kN clamping force at 100 Nm torque
- Permanently lubricated and maintenance low
- I.D. clamping possible by exchanging the spindle

### Quick change system for spindle extension



### Safety features

- Optical check for the end position



### 4-times indexing

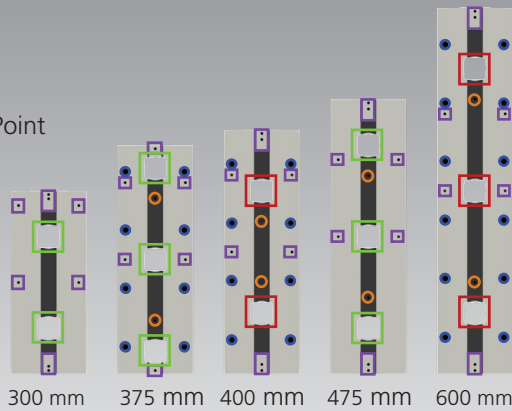
- Longitudinal and crosswise clearance slot for positioning on the machine table

### Inclined locking surface to lock the fixed jaw in position



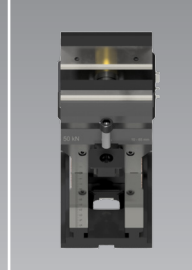
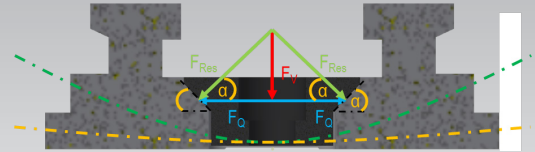
## Guide rail length overview

- Slot 20 h6
- Pitch 150 mm
- Pitch 200 mm
- Pitch Erowa
- Pitch Lang Quick Point



## Innovative mounting by trapeze clamps

- Bending line with conventional mounting
- Bending line with mounting trapeze clamps



### Scale

- Allows easy and quick prepositioning for the fixed jaw

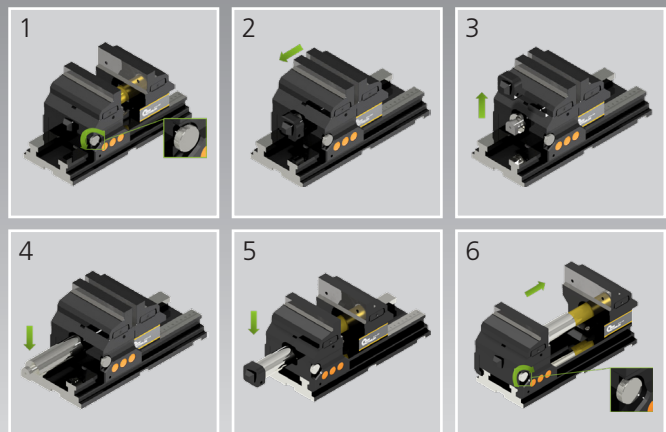
### Area for clamps

### Guide rail extension (GSV)

- To extend the clamping range
- Indexing by keys (on one side)
- Length 75, 100, 150, 200 mm

## Spindle extension

1. Open the knurled screw located at the fixed jaw by 2 revolutions.
2. Slide the moving jaw towards the fixed jaw.
3. Remove the locking plate by pulling it upwards.
4. Engage the spindle extension from the top.
5. Reengage the locking plate.
6. Push the moving jaw back and lock the knurled screw again by 2 revolutions.



# GT5-2G

## 5-axis vice

- Fully sealed – protected spindle
- Central clamping

### Application/customer benefits

- Tool less jaw quick change
- Clamping range extension within seconds due spindle extension
- High clamping forces - no pre punching necessary
- Protected spindle with plane surface for parallels used for finish machining
- Mechanical power amplifier
- Displaceable fixed jaw
- Highest reliability and repeatability
- Optical check for the end position

### Technical features

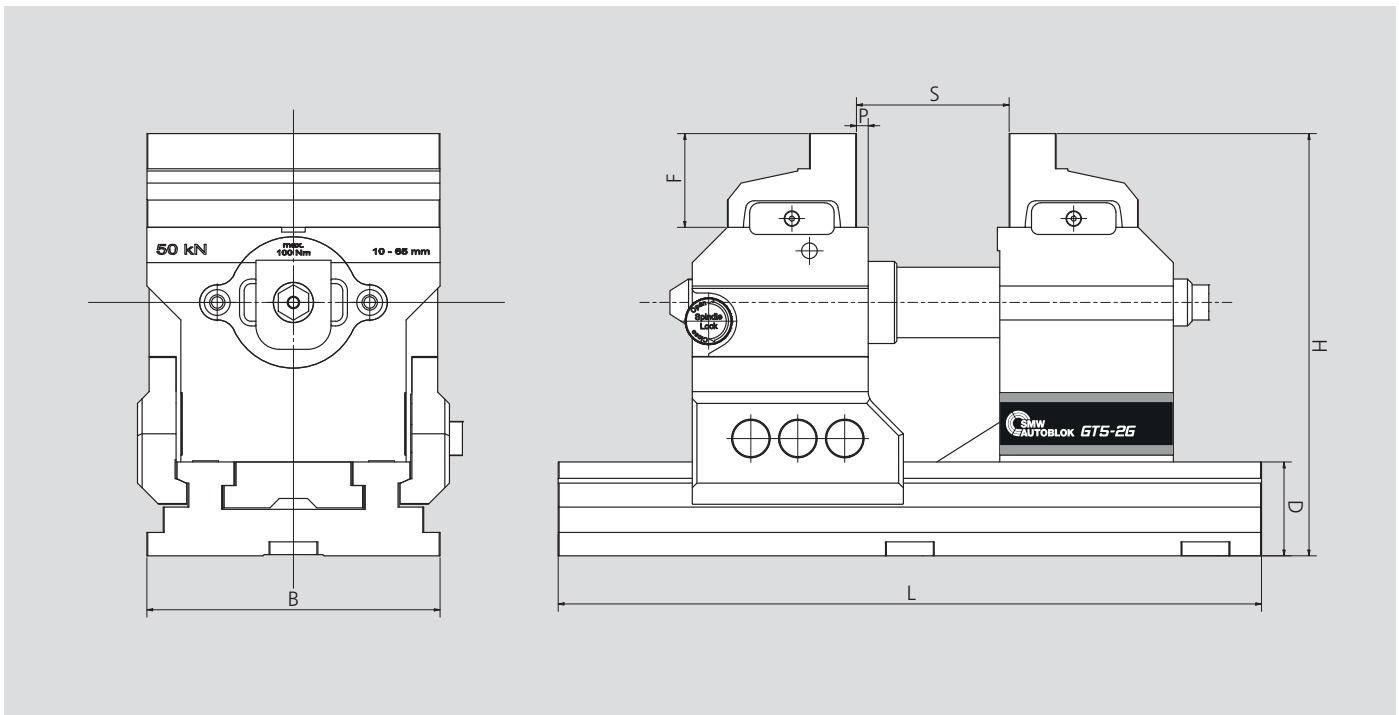
- Max. clamping force 50 kN at 100 Nm
- Clamping range 10 to 1335 mm (without any clamping force loss)
- 3 different clamping heights

### Standard equipment

GT5-2G incl. clamping actuation  
 Fixed and moveable jaw  
 Without guide rail,  
 top jaws,  
 spindle extension,  
 torque wrench

### Ordering example

GT5-2G 180 463227,  
 Guide rail (GS 300) 463238,  
 Stepped reversible top jaws grip 463285,  
 2 pieces trapeze-clamps TSP 463308



### Ordering numbers

H [mm]	P [mm]	F [mm]	D [mm]	clamping force [kN]	max. clamping torque [Nm]	Id.-Nr.
150	5	40	40	50	100	463226
180	5	40	40	50	100	463227
210	5	40	40	50	100	463228



■ For GT5-2G moveable and fixed jaw



**Application/customer benefits**

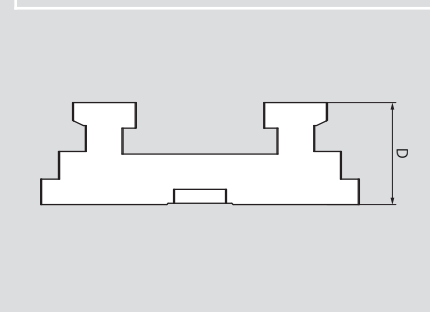
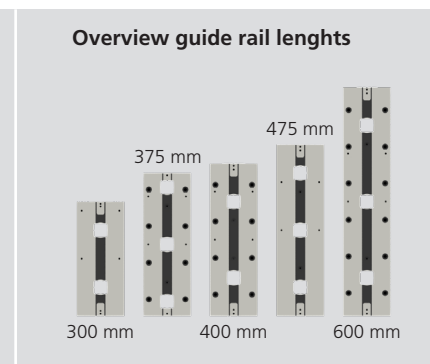
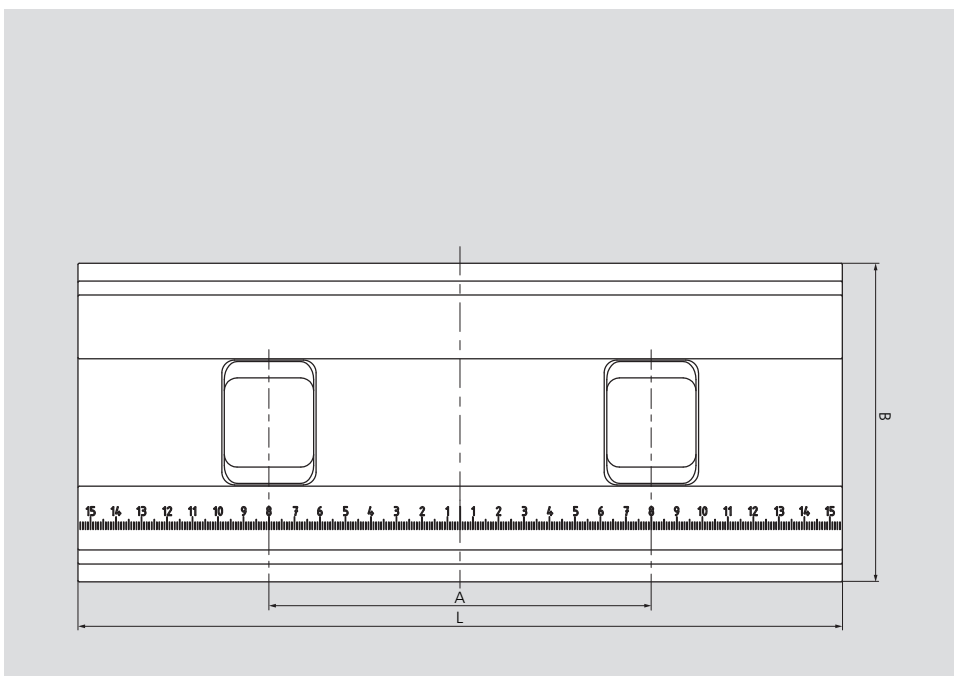
- mountable by clamps from inside and outside
- Guide rails could be extended on the machine table (T-nut adjusted in Y-Axis)
- Optional with position points available

**Technical features**

- Hardened

**Standard equipment**

Guide rail  
without trapeze-clamps,  
Bolts and T-nuts

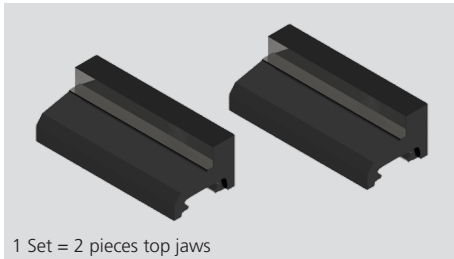


**Ordering numbers**

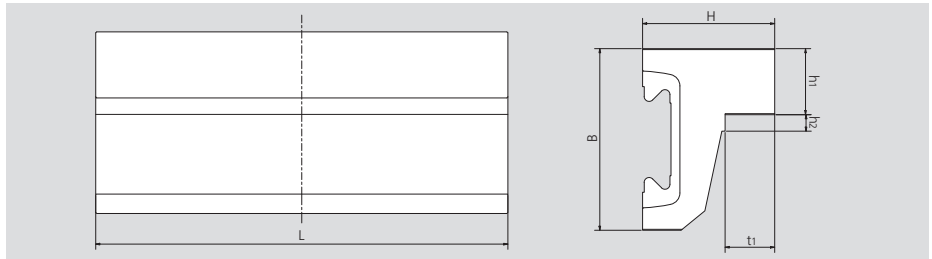
L [mm]	Clamping range [mm]	A [mm]	B [mm]	D [mm]	Amount of clamps	Info	Type	Id.-Nr.
300	10 - 235	150	125	40	2	1	GS 300	463238
375	10 - 310	150	125	40	3*	1, 2, 3	GS 375	463239
400	10 - 335	200	125	40	2	2,3	GS 400	463240
475	10 - 385	150	125	40	3*	1, 3	GS 475	463241
600	10 - 535	200	125	40	3*	2, 3	GS 600	463242

\* Centrally centered internal clamp on T-slot table with center centring cannot be used.

### GT5-2G stepped reversible top jaws smooth

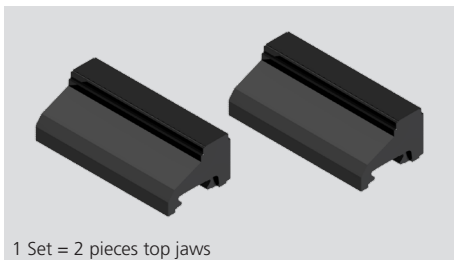


1 Set = 2 pieces top jaws

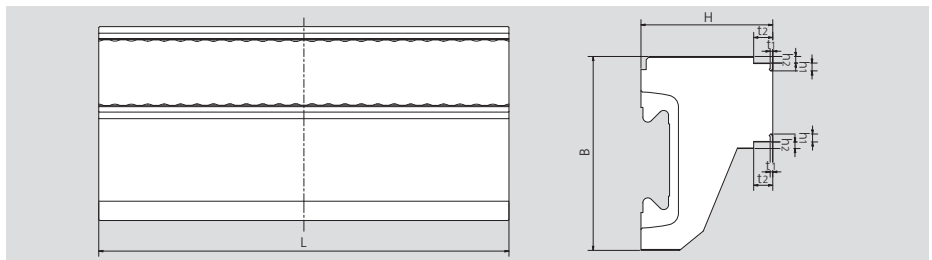


Type	Id.-Nr.	L [mm]	H [mm]	B [mm]	h <sub>1</sub> [mm]	h <sub>2</sub> [mm]	t <sub>1</sub> [mm]
Stepped jaw smooth	463280	124.8	40	55	20	5	15

### GT5-2G stepped reversible top jaws grip 0,8 mm

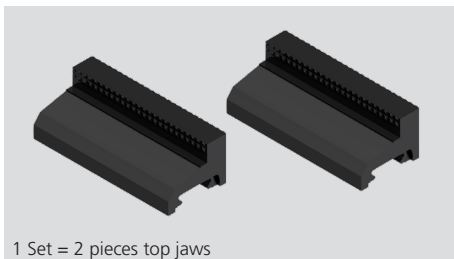


1 Set = 2 pieces top jaws

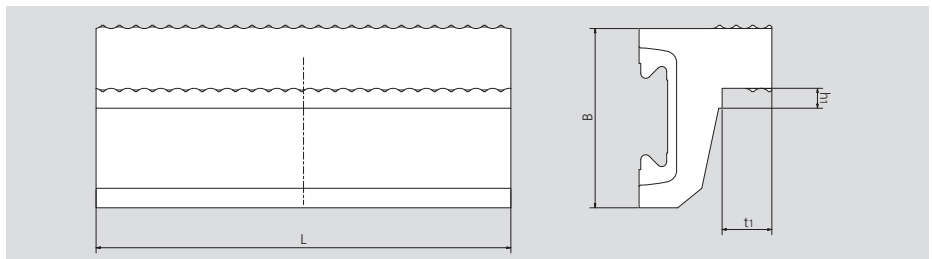


Type	Id.-Nr.	L [mm]	H [mm]	B [mm]	h <sub>1</sub> [mm]	h <sub>2</sub> [mm]	t <sub>1</sub> [mm]	t <sub>2</sub> [mm]
Stepped jaw grip 0,8 mm	463285	124.8	40	59	3.5	2	0.8	8.5

### GT5-2G stepped reversible top jaws grip

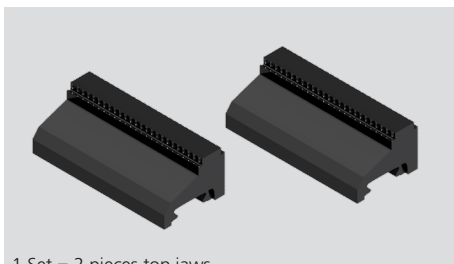


1 Set = 2 pieces top jaws

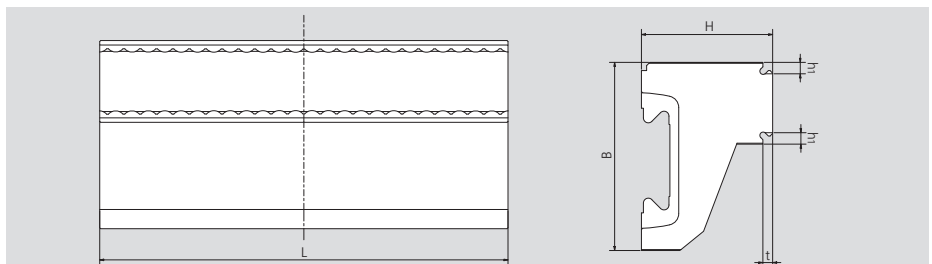


Type	Id.-Nr.	L [mm]	H [mm]	B [mm]	h <sub>1</sub> [mm]	t <sub>1</sub> [mm]
Stufenwendebacke Gripp	463284	124.8	40	54	6	15

### GT5-2G stepped reversible top jaws grip 3, 5, 8 mm

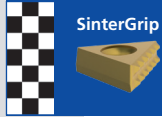
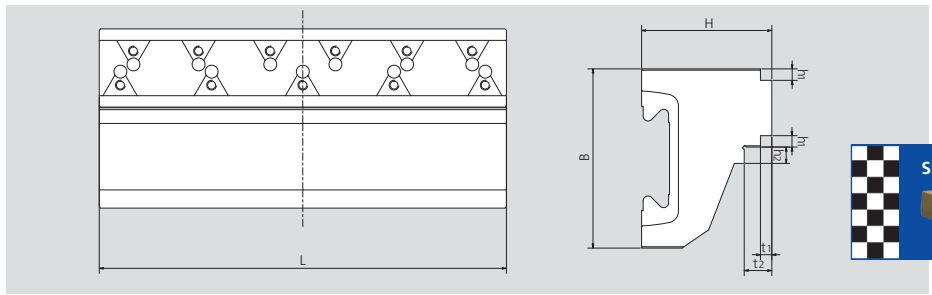
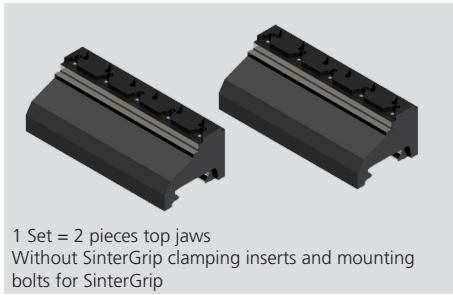


1 Set = 2 pieces top jaws



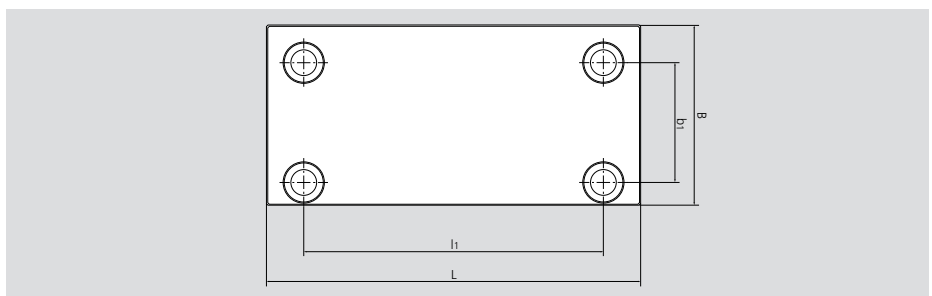
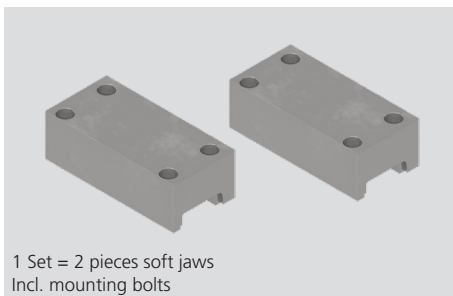
Type	Id.-Nr.	L [mm]	H [mm]	B [mm]	h <sub>1</sub> [mm]	t <sub>1</sub> [mm]
Stepped reversible top jaw grip 3mm	463281	124.8	40	57,5	3,5	3
Stepped reversible top jaw grip 5mm	463282	124.8	40	57,5	3,5	5
Stepped reversible top jaw grip 8mm	463283	124.8	40	57,5	3,5	8

GT5-2G stepped reversible top jaws SinterGrip



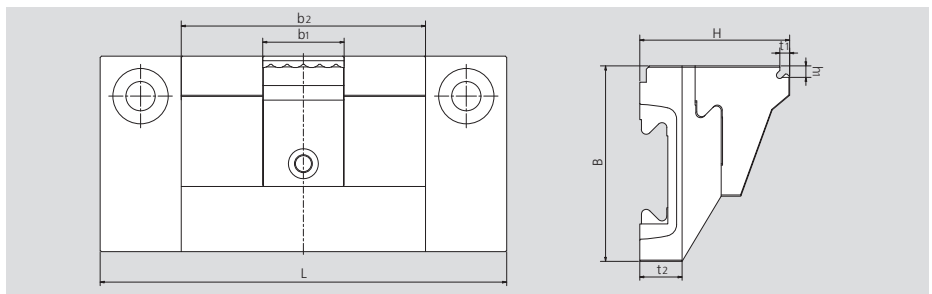
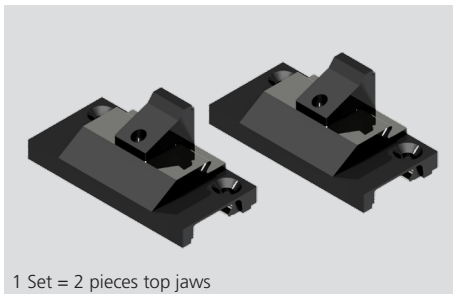
Type	Id.-Nr.	L [mm]	H [mm]	B [mm]	h <sub>1</sub> [mm]	h <sub>2</sub> [mm]	t <sub>1</sub> [mm]	t <sub>2</sub> [mm]	SinterGrip/jaw
Stepped reversible top jaw SinterGrip	463286	124.8	40	55	3.5	5	3.5	8.5	6 + 5

GT5-2G Soft jaws aluminium / steel



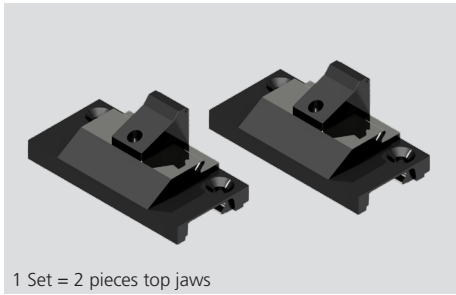
Type	Id.-Nr.	L [mm]	l <sub>1</sub> [mm]	B [mm]	b <sub>1</sub> [mm]	Height [mm]	max. milling depth [mm]
Soft jaw aluminium	463287	124.8	100	60	40	40	20
Soft jaw steel	463288	124.8	100	60	40	40	20

GT5-2G Narrow top jaws smooth

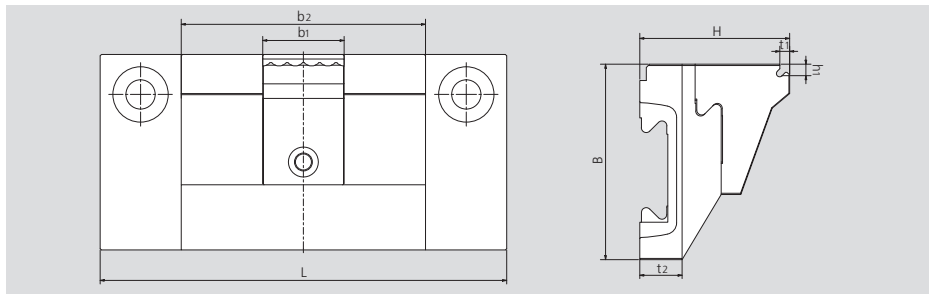


Type	Id.-Nr.	L [mm]	H [mm]	B [mm]	b <sub>1</sub> [mm]	b <sub>2</sub> [mm]	h <sub>1</sub> [mm]	t <sub>1</sub> [mm]	t <sub>2</sub> [mm]
Adapter plate (incl. mounting bolts)	463289	124.8	-	60	-	-	-	-	13
Narrow jaw smooth 25 mm width	463290	124.8	46	60	25	-	3.5	3	13
Narrow jaw smooth 35 mm width	463291	124.8	46	60	35	-	3.5	3	13
Narrow jaw smooth 45 mm width	463292	124.8	46	60	45	-	3.5	3	13
Narrow jaw smooth 55 mm width	463293	124.8	46	60	55	-	3.5	3	13
Narrow jaw smooth 65 mm width	463294	124.8	46	60	65	-	3.5	3	13
Narrow jaw smooth 75 mm width	463295	124.8	46	60	75	-	3.5	3	13
Narrow jaw smooth 85 mm width	463296	124.8	46	60	85	-	3.5	3	13
Narrow jaw smooth 95 mm width	463297	124.8	46	60	95	-	3.5	3	13

### GT5-2G Narrow top jaws grip

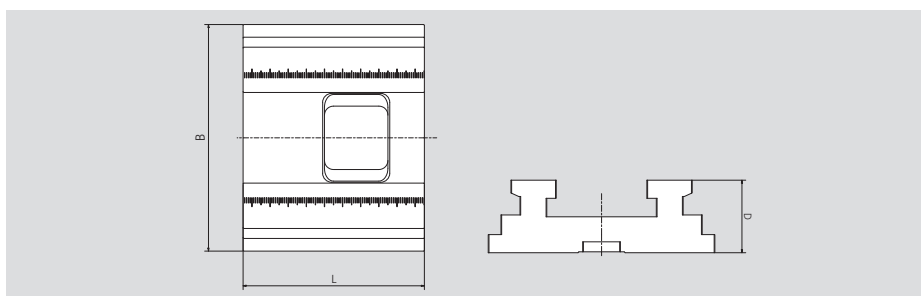
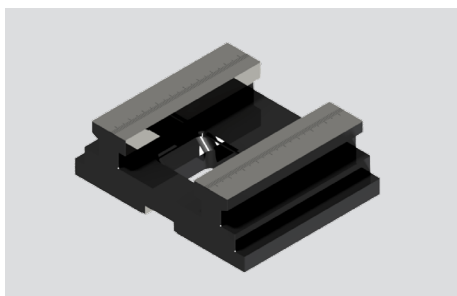


1 Set = 2 pieces top jaws



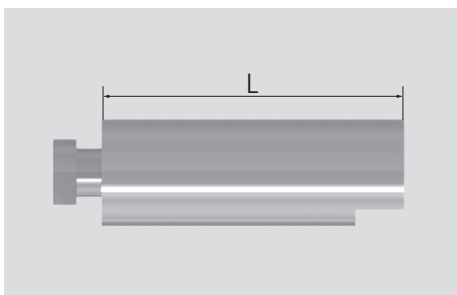
Type	Id.-Nr.	L [mm]	H [mm]	B [mm]	b <sub>1</sub> [mm]	b <sub>2</sub> [mm]	h <sub>1</sub> [mm]	t <sub>1</sub> [mm]	t <sub>2</sub> [mm]
Adapter plate (incl. mounting bolts)	463289	124.8	-	60	-	75	-	-	13
Narrow top jaws grip 25 mm width	463298	124.8	46	60	25	-	3.5	3	13
Narrow top jaws grip 35 mm width	463299	124.8	46	60	35	-	3.5	3	13
Narrow top jaws grip 45 mm width	463300	124.8	46	60	45	-	3.5	3	13
Narrow top jaws grip 55 mm width	463301	124.8	46	60	55	-	3.5	3	13
Narrow top jaws grip 65 mm width	463302	124.8	46	60	65	-	3.5	3	13
Narrow top jaws grip 75 mm width	463303	124.8	46	60	75	-	3.5	3	13
Narrow top jaws grip 85 mm width	463304	124.8	46	60	85*	-	3.5	3	13
Narrow top jaws grip 95 mm width	463305	124.8	46	60	95*	-	3.5	3	13

Guide rail extension GSV



Type	B [mm]	D [mm]	L [mm]	Id.-Nr.
GSV 75	125	40	75	463272
GSV 100	125	40	100	463273
GSV 150	125	40	150	463274
GSV 200	125	40	200	463275

Spindle extension SV



Id.-Nr.	L [mm]
463267	50
463268	100
463269	200
463270	300
463271	400

Trapeze-clamps TSP



Id.-Nr.	Slot width [mm]
463307	14
463308	16
463309	18

# Notes

A large rectangular area filled with horizontal stripes in two shades of blue: a medium blue and a light blue. The stripes are evenly spaced and cover the majority of the page, providing a template for writing notes.

# Notes

A large area of horizontal stripes in two shades of blue, intended for writing notes. The stripes alternate between a medium blue and a lighter, pale blue.

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**France**

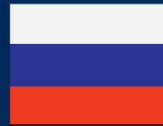
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