

NEW GENERATION

The flexible 5-axis vise

proofline® series
fully sealed – low maintenance

GT5-2G

Telescopic spindle proofline®
sealed and low maintenance

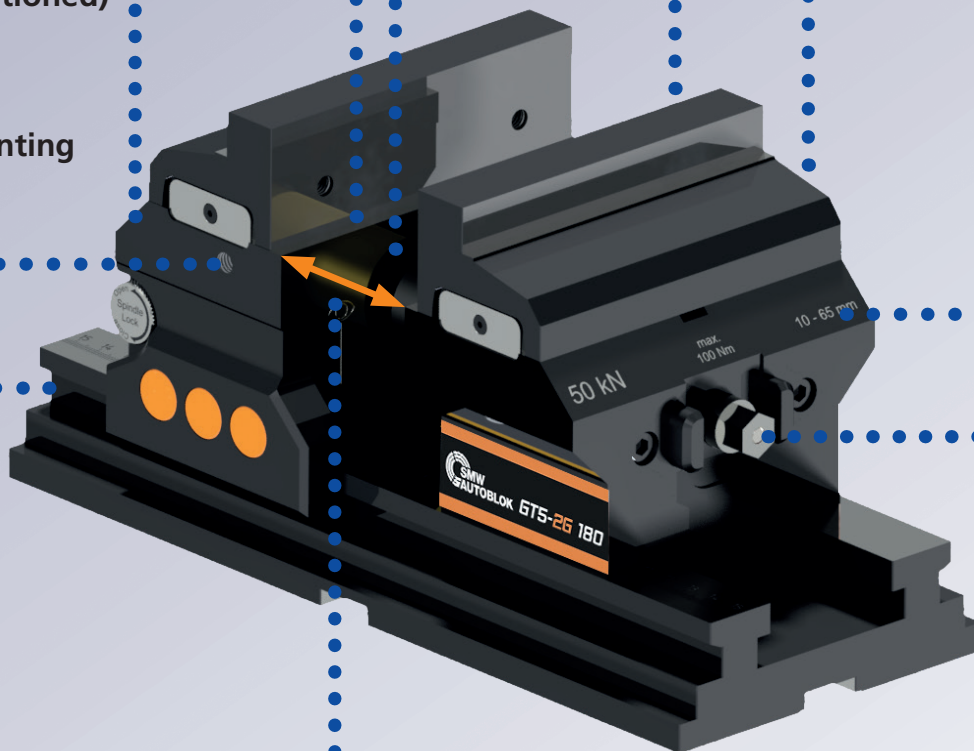
Plane surface for parallels for
finish machining OP20

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

Fixed jaw
(can be repositioned)

Possibility for
work stop mounting

Movable jaw



Extreme 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 vise GT5-2G contains a sophisticated and user friendly kit system. The GT5-2G consists of a moveable jaw and a fixed jaw which are mounted on a guide rail. The guide rails are available in different lengths and are extendable, so the GT5-2G can be customized. With our wide range of top jaws we can cover all needed options at the 5-axis machining.

Jaw quick change: The top jaws can be changed within seconds without using tools or screws. It is set up for time saving which reduces the productions costs.

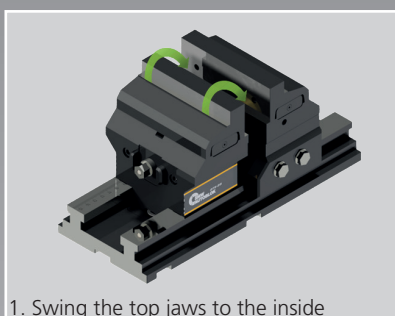
Extension of the clamping range: The clamping range of the GT5-2G can be extended up to a clamping length of 1.335 mm in a short time. This can be done using different guide rails and spindle extensions.

Check of the end position: By the optical check for the end position the user will notice if the work piece is clamped safely 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 low in maintenance. The integrated power amplifier creates clamping forces up to 50 kN. This guarantees constant high clamping forces. Pre punching of the workpiece is not needed.

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Toolless jaw quick change



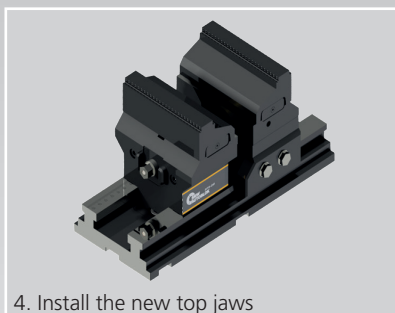
1. Swing the top jaws to the inside



2. Remove the top jaw

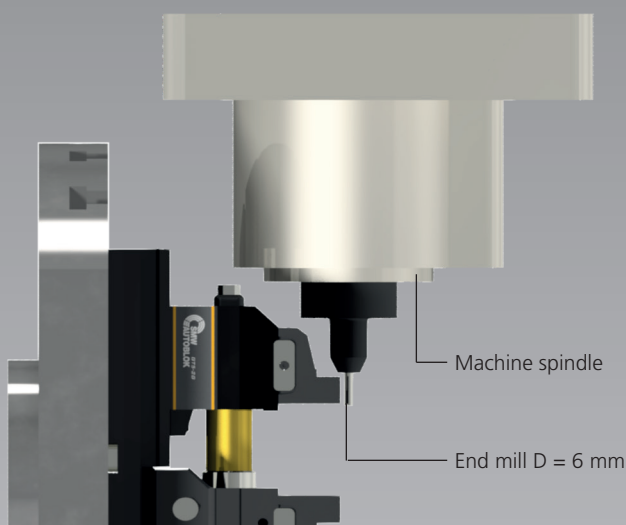


3. Remove the second top jaw in the same way like shown before

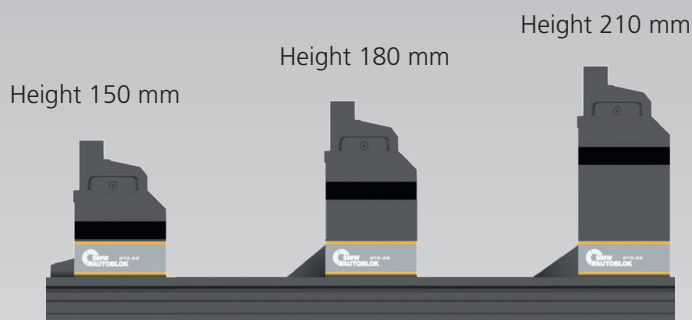


4. Install the new top jaws

Less interference



3 different jaw heights for the moveable and the fixed jaw



Height 210 mm

Height 180 mm

Height 150 mm

GT5-2G Guide rail (GS)

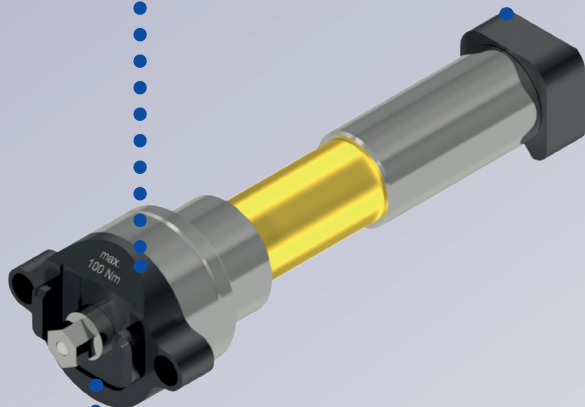
Internal trapeze clamps

- 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

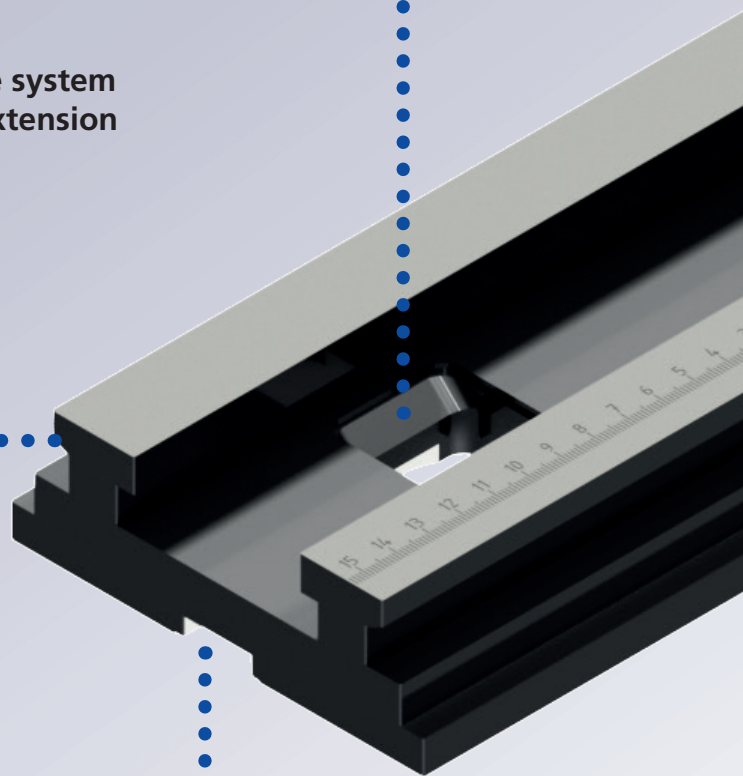
- 50 kN clamping force at 100 Nm torque
- Permanently lubricated and low maintenance

Quick change system for spindle extension



Safety features

- Optical check for the end position



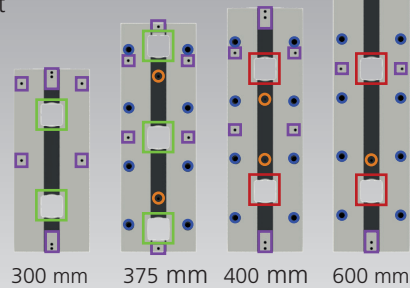
4-times indexing

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

Inclined locking surface to lock the fixed jaw in position

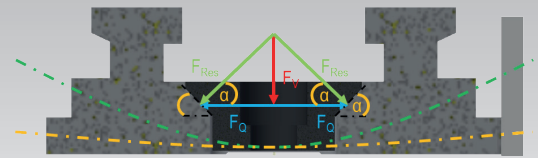
Guide rail length overview

- 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



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Scale

- Allows easy and quick prepositioning for the fixed jaw

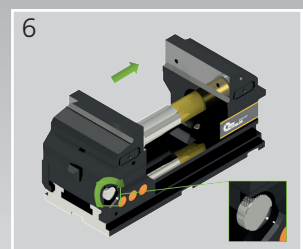
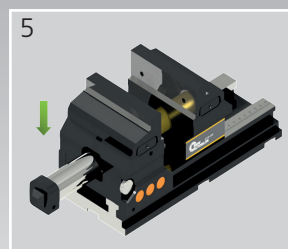
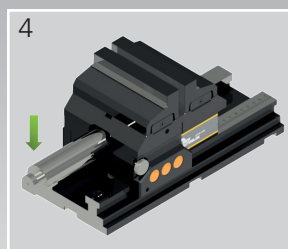
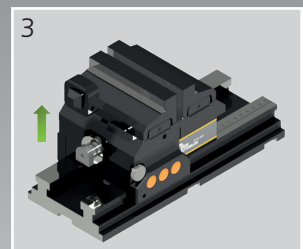
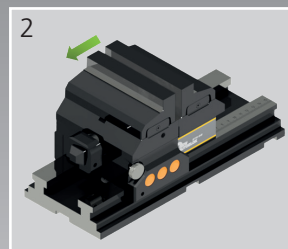
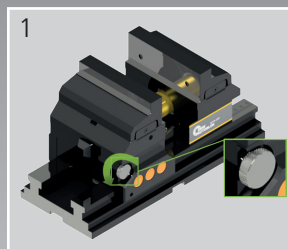
Area for clamps

Guide rail extension (GSV)

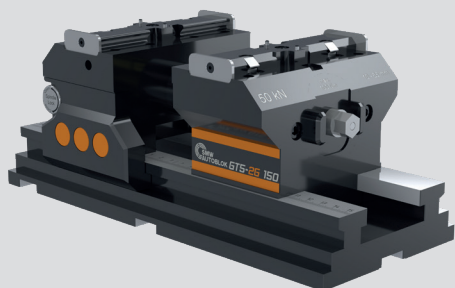
- To extend the clamping range
- Indexing by keys (on one side)
- Length 75, 100, 150, 200 mm

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
7. screw in the knurled screw with 2 turns



- Fully sealed – Protected spindle
- Highest reliability and repeatability



proofline® series
fully sealed – low maintenance

Application/customer benefits

- Quick jaw change without tools
- Clamping range extension in seconds with spindle extensions
- High clamping force from a power amplifier - no pre-punching necessary
- Protected fully sealed spindle
- Plane surface for parallels used for finish machining
- Variable positioning of the fixed jaw
- Optical monitoring end position
- Clamps can be used for inside and outside clamping
- Guide rail extendable on machine table (T-slot aligned)

Technical features

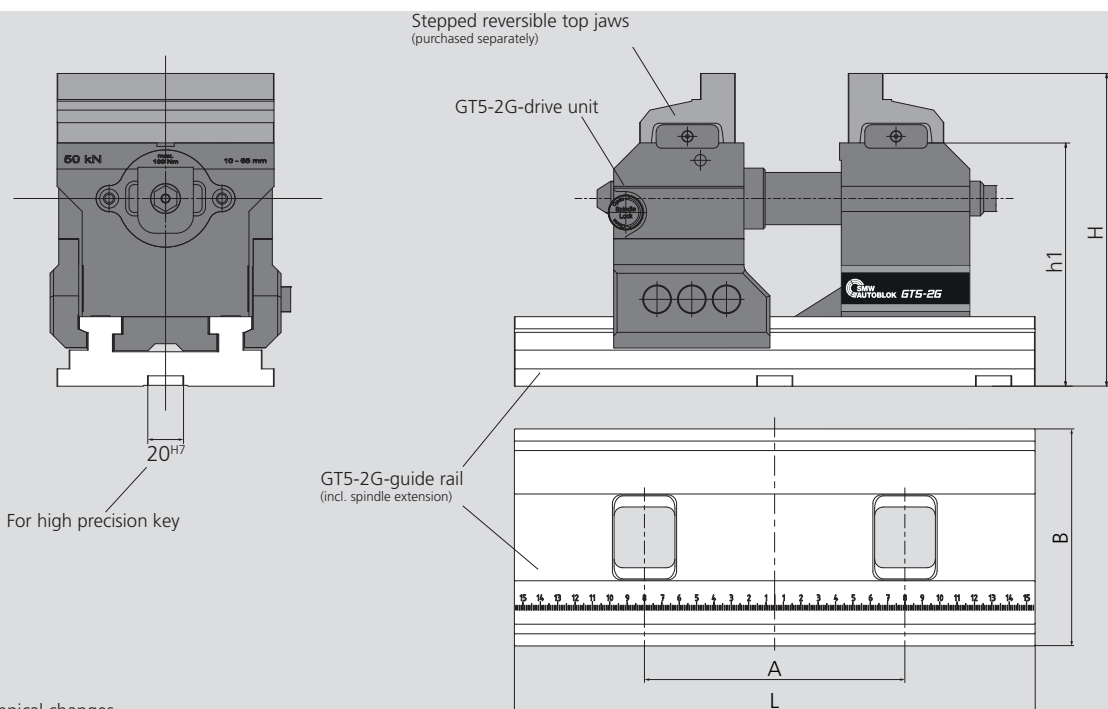
- Max. clamping force 50 kN at 100 Nm
- Clamping range 10 to 1335 mm (basic stroke 60 mm)

Standard equipment

GT5-2G-drive unit,
GT5-2G-guide rail +
corresponding spindle extensions

Ordering example

GT5-2G 150 PREMIUM 463332,
Stepped reversible top jaws grip 463285,
2 pieces straddle-clamps TSP 463308



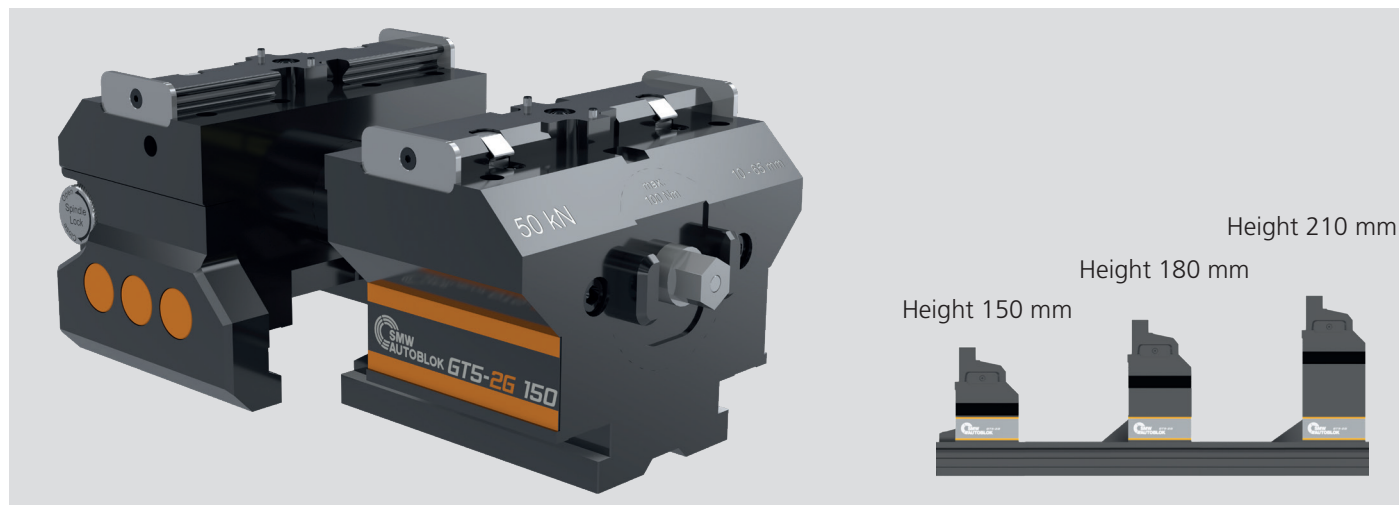
Subject to technical changes.

Type GT5-2G-Premium		GT5-2G 150				GT5-2G 180				GT5-2G 210			
Length L	mm	300	375	400	600	300	375	400	600	300	375	400	600
Id.No. GT5-2G		463332	463323	463326	463329	463333	463324	463327	463330	463334	463325	463328	463331
Height incl. top jaw H	mm	150				180				210			
Height w/o top jaw h1	mm	110				130				160			
A		150		200		150		200		150		200	
B		125				125				125			
D		40				40				40			
Clamping force max.	kN	50				50				50			
Clamping torque max.	Nm	100				100				100			
Clamping range	mm	10 - 235	10 - 310	10 - 335	10 - 535	10 - 235	10 - 310	10 - 335	10 - 535	10 - 235	10 - 310	10 - 335	10 - 535
Number of clamps		2	3	2	3	2	3	2	3	2	3	2	3
GT5-2G guide rails*		463238	463239	463240	463242	463238	463239	463240	463242	463238	463239	463240	463242
GT5-2G drive unit*		463226				463227				463228			

* GT5-2G configurable according to customer requirements (see next page)

- GT5-2G drive unit - single item
- GT5-2G guide rail - single item

GT5-2G-drive unit-PREMIUM

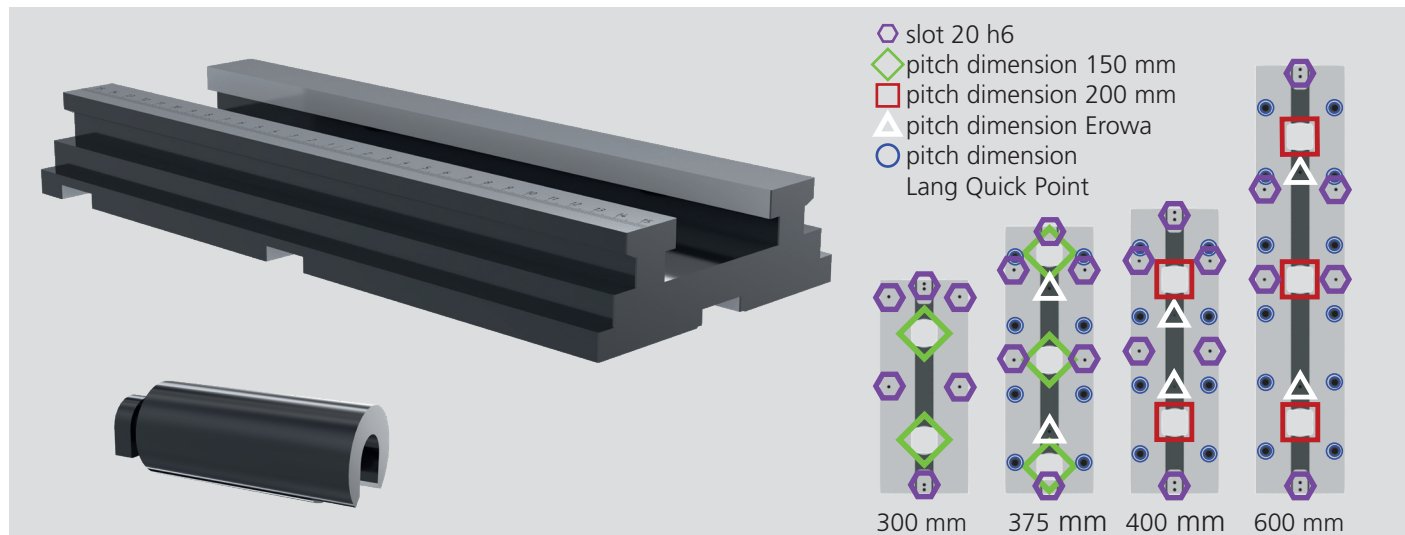


Type	Id. No.
GT5-2G-drive unit-150-PREMIUM	463226
GT5-2G-drive unit-180-PREMIUM	463227
GT5-2G-drive unit-210-PREMIUM	463228

Standard equipment GT5-2G-drive unit:

- Fixed jaw
- Moveable jaw
- Telescopic spindle

GT5-2G-guide rail



Type	Id. No.
GT5-2G-guide rail GS 300	463238
GT5-2G-guide rail GS 375	463239
GT5-2G-guide rail GS 400	463240
GT5-2G-guide rail GS 600	463242

Standard equipment GT5-2G-guide rail:

- Guide rail
- Necessary spindle extensions SV