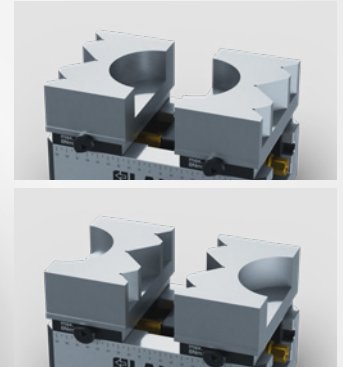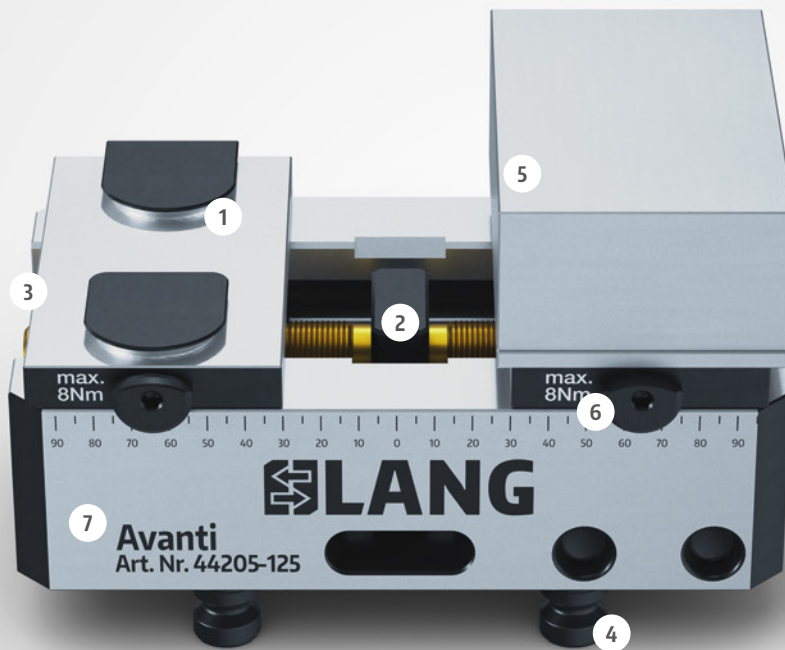# Avanti **Technology**

The universal vise with great handling characteristics and unbeatably quick set-up time.

Large-volume steel or aluminium top jaws are available in different heights. They are clamped from the outside with just one screw allowing the complete block to be used for contours.

1 Precise positioning of jaws thanks to patented clamping interface

2 Centering accuracy ± 0.02 mm

3 Double guided jaws

4 Integrated with clamping studs for precise clamping in the Quick·Point® zero-point clamping system

5 Top jaws available in steel or aluminium

6 Quick jaw exchange with only one screw (internal hexagon 5 mm)

7 Rigid and sturdy base – but still lightweight and handy
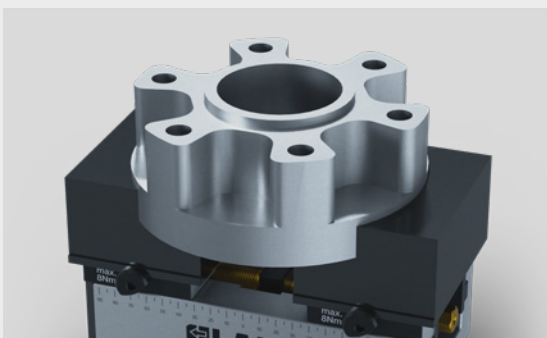
If the maximum clamping diameter (Ø 34 mm) of the Preci·Point Collet Chuck is not enough, the Avanti vise is a great choice to clamp round stock with a larger diameter.

# Avanti Quick Jaw Exchange System applications
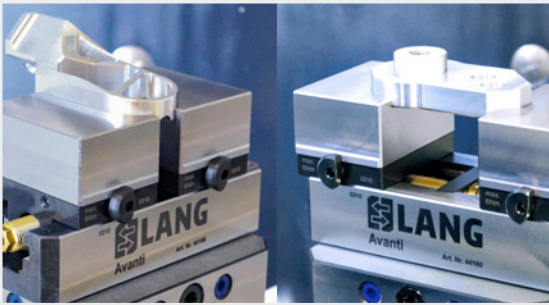
Independent from the alignment of the workpiece a great variety of profiles can be clamped for best accessibility with the patented quick jaw exchange system. By adding contours on both sides of the jaws and through their maximum usable volume top jaws can be used twice.

How to prepare top jaws:
To get the best possible result when machining with the Avanti, we recommend simulating the future clamping situation as accurately as possible.

We suggest clamping a precision block at maximum torque between the top jaws while machining the workpiece contour into the top jaws.
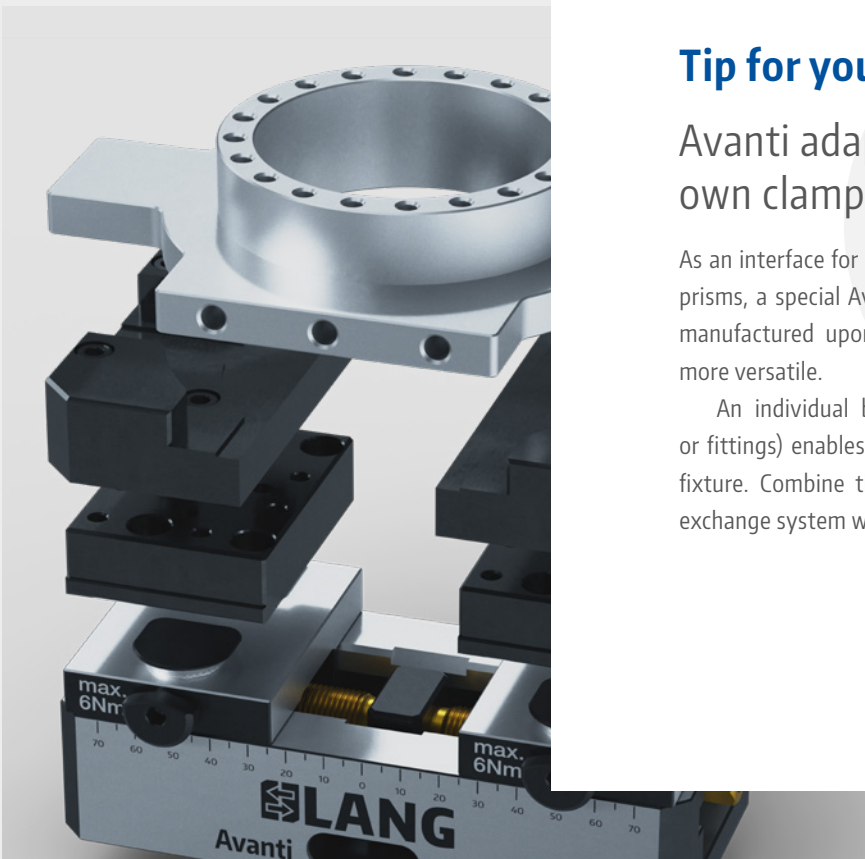
Tip for your benefit:

### Avanti adaptor jaw to use own clamping fixtures

As an interface for customized clamping fixtures such as prisms, a special Avanti adaptor jaw can be offered and manufactured upon request, making the system even more versatile.

An individual borehole pattern (e.g. tapped holes or fittings) enables a simple assembly of your clamping fixture. Combine the benefits of the Avanti quick jaw exchange system with your own fixtures!
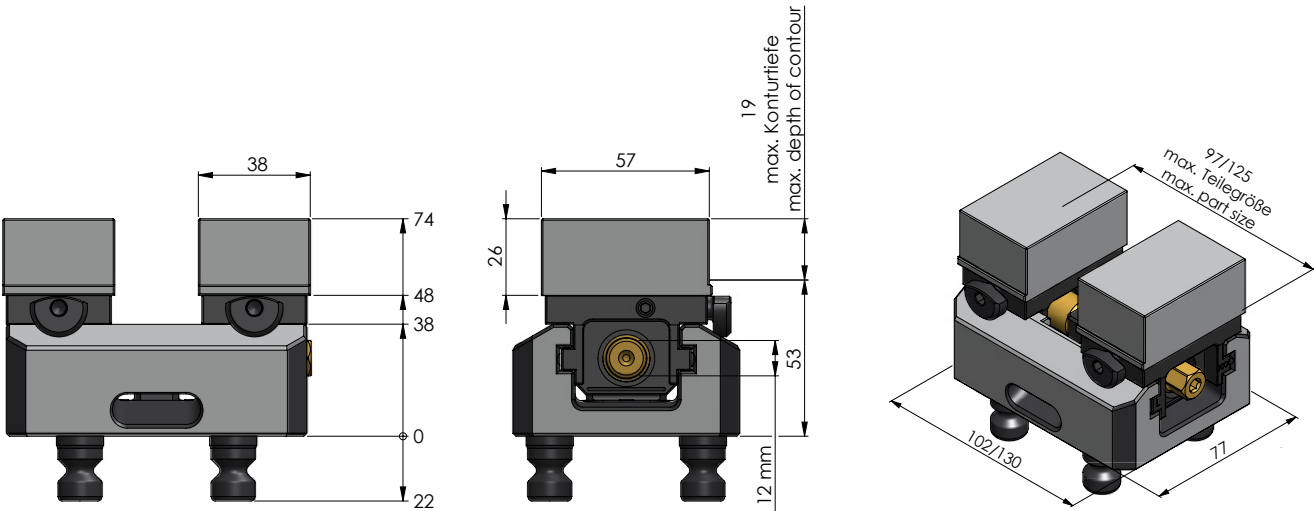
Avanti **77**

AVANTI 77, JAW WIDTH 46 MM

52	Ø 16 mm	max. 60 Nm	max. 14.000 N	± 0.02 mm
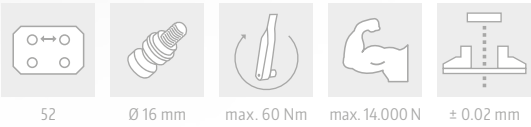
ITEM NO.	BASE LENGTH	MAX. CLAMPING RANGE	WEIGHT	COMPARABLE PREVIOUS VERSION
44085-46	102 mm	97 mm	2.2 kg	44065
44120-46*	130 mm	125 mm	2.6 kg	44105

* automatable

AVANTI 77 BASE JAWS, JAW WIDTH 46 MM

ITEM NO.	DIMENSIONS	WEIGHT	UNIT	COMPARABLE PREVIOUS VERSION
44771-46	55 × 36 mm	0.6 kg	1 pair	44461
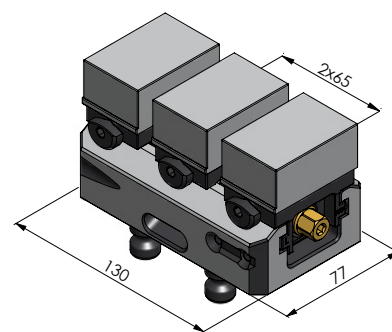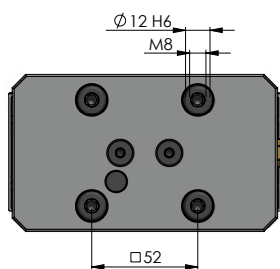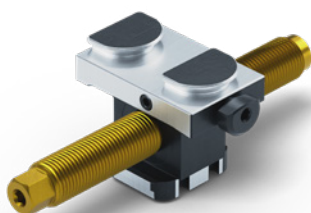
CENTER BASE JAW + SPINDLE FOR AVANTI 77, JAW WIDTH 46 MM

ITEM NO.	SPINDLE LENGTH (+Ø)	FOR AVANTI	WEIGHT
44120-TG46	135 mm (Ø 16 mm)	44120-46	0.5 kg

AVANTI 46 TOP JAWS, SOFT

ITEM NO.	MATERIAL	DIMENSIONS	WEIGHT	UNIT
44468-26	Steel (16MnCr5)	57 × 38 × 26 mm	0.4 kg	1 pc.
44469-26	Aluminium (F50)	57 × 38 × 26 mm	0.1 kg	1 pc.

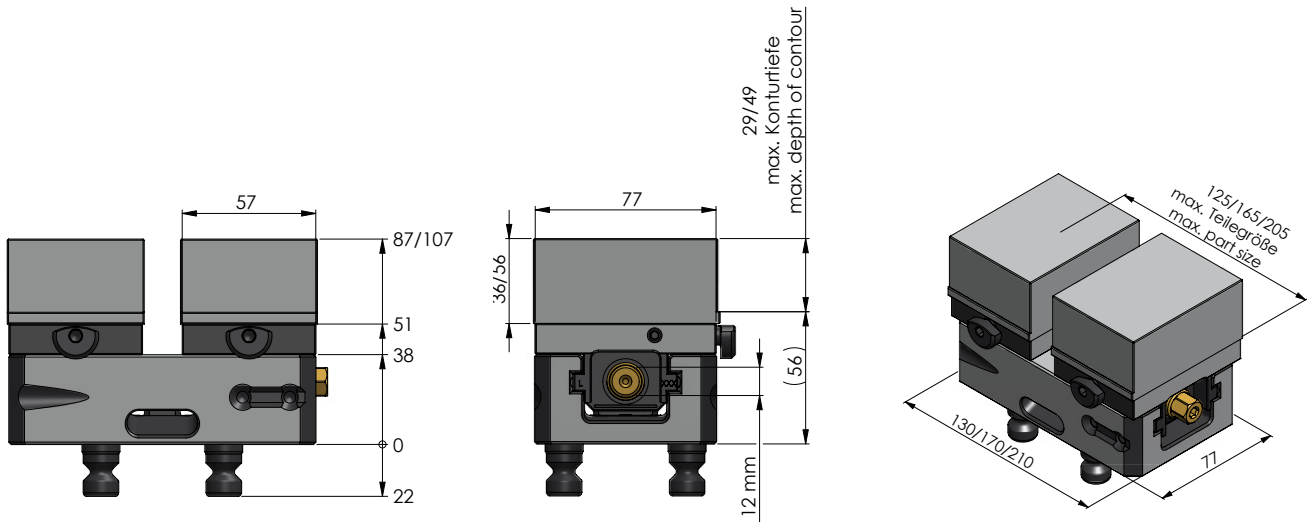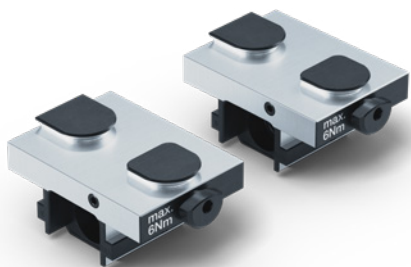Top jaws fit the new base jaw version and also the previous one.

Avanti **77**

AVANTI 77, JAW WIDTH 77 MM

52	Ø 16 mm	max. 60 Nm	max. 14.000 N	± 0.02 mm

ITEM NO.	BASE LENGTH	MAX. CLAMPING RANGE	WEIGHT	COMPARABLE PREVIOUS VERSION
44120-77*	130 mm	125 mm	3.5 kg	44120
44160-77	170 mm	165 mm	4.2 kg	44160
44200-77	210 mm	205 mm	4.8 kg	44200

*automatable

AVANTI 77 BASE JAWS, JAW WIDTH 77 MM

ITEM NO.	DIMENSIONS	WEIGHT	UNIT	COMPARABLE PREVIOUS VERSION
44771-77	77 × 57 mm	1.4 kg	1 pair	44771
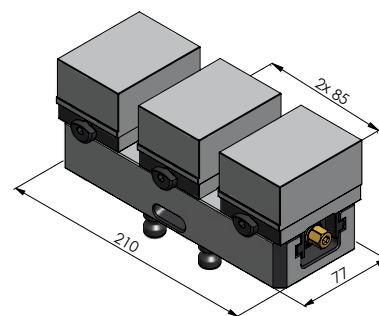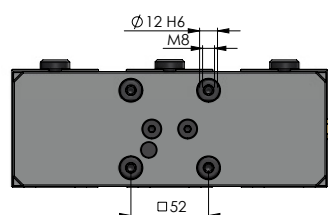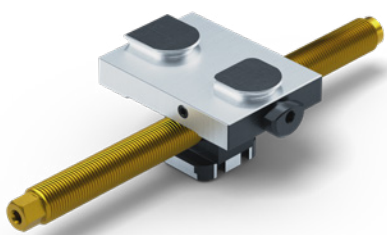
CENTER BASE JAW + SPINDLE FOR AVANTI 77, JAW WIDTH 77 MM

ITEM NO.	SPINDLE LENGTH (+Ø)	FOR AVANTI	WEIGHT
44200-TG77	215 mm (Ø 16 mm)	44200-77	1.0 kg

AVANTI 77 TOP JAWS, SOFT

ITEM NO.	MATERIAL	DIMENSIONS	WEIGHT	UNIT
44778-36	Steel (16MnCr5)	78 × 58 × 36 mm	0.6 kg	1 pc.
44779-36	Aluminium (F50)	78 × 58 × 36 mm	0.2 kg	1 pc.
44778-56	Steel (16MnCr5)	78 × 58 × 56 mm	1.0 kg	1 pc.
44779-56	Aluminium (F50)	78 × 58 × 56 mm	0.3 kg	1 pc.

Top jaws fit the new base jaw version and also the previous one.

Avanti **125**

AVANTI 125, JAW WIDTH 125 MM

96	Ø 20 mm	max. 100 Nm	max. 20.000 N	± 0.02 mm
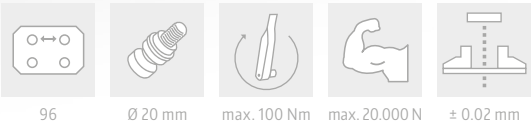
ITEM NO.	BASE LENGTH	MAX. CLAMPING RANGE	WEIGHT	COMPARABLE PREVIOUS VERSION
44205-125*	210 mm	210 mm	11.2 kg	44205
44255-125	260 mm	260 mm	13.1 kg	44255
44305-125	310 mm	310 mm	15.0 kg	44305
44355-125	360 mm	360 mm	16.8 kg	44355

*automatable