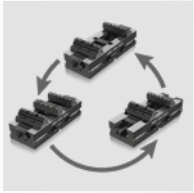


Vice
Self-centering | Double Clamping | Fixed



IMG
Vice
- Self-centering
- Double Clamping
- Fixed

Page 5.1.**2**



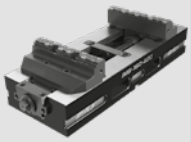
IMG
Self-centering | Double Clamping | Fixed
- IMG 160 - 270

Page 5.1.**20**



IMG
Self-centering | Double Clamping | Fixed
- IMG 88 - 130

Page 5.1.**10**



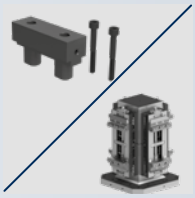
IMG
Self-centering | Double Clamping | Fixed
- IMG 160 - 420

Page 5.1.**22**



IMG
Self-centering | Double Clamping | Fixed
- IMG 88 - 230

Page 5.1.**12**



IMG
Accessories
- Extension element
- Riser
- Alu Pyramid
- Triangular tombstone
- Tombstone

Page 5.1.**24**



IMG
Self-centering | Double Clamping | Fixed
- IMG 125 - 180

Page 5.1.**14**



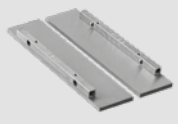
Clamping Pins
Accessories
- For APS 140 and APS 190

Page 5.1.**40**



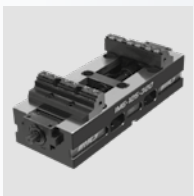
IMG
Self-centering | Double Clamping | Fixed
- IMG 125 - 220

Page 5.1.**16**



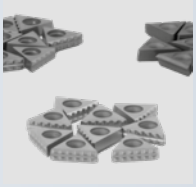
CLAK System
Accessories

Page 5.1.**42**



IMG
Self-centering | Double Clamping | Fixed
- IMG 125 - 320

Page 5.1.**18**

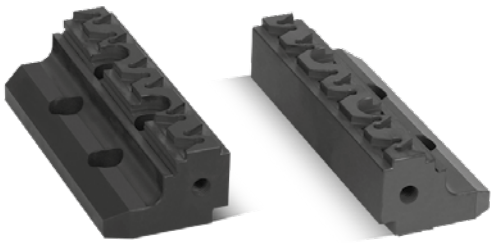


IMG
- Spare parts

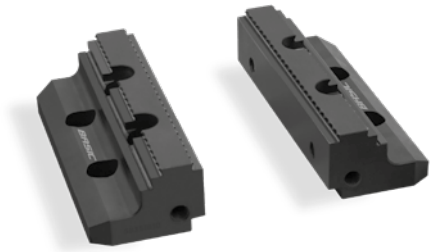
Page 5.1.**44**

Self-centering vice | Doub

SinterGrip jaws



BASIC jaws
without Sintergrip inserts for **IMG BASIC** models



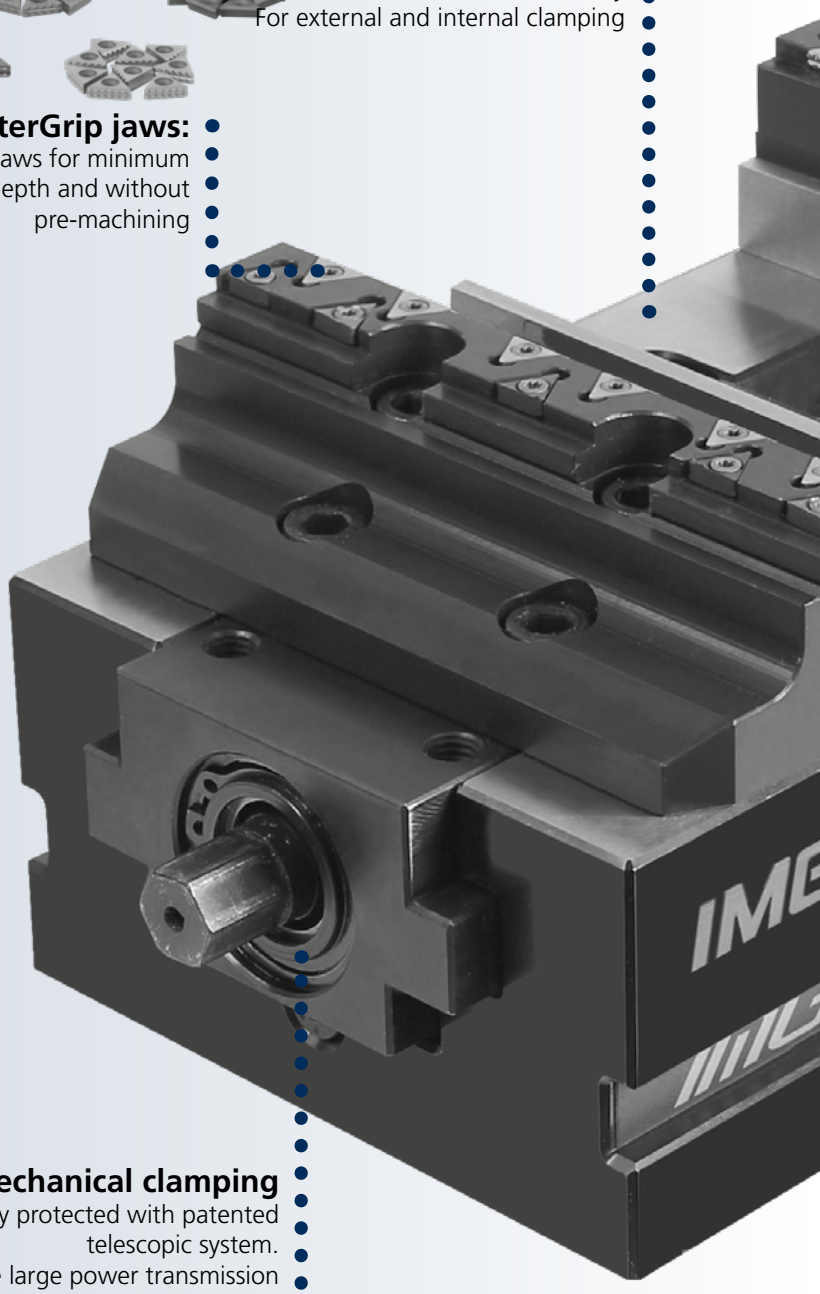


Find out more



Wide clamping range
Maximum flexibility
For external and internal clamping

SinterGrip jaws:
Reversible jaws for minimum clamping depth and without pre-machining



Mechanical clamping
Totally protected with patented telescopic system.
The large power transmission allows high performance in the manufacturing process

Interface
For Zero Point clamping systems and mounting holes as standard

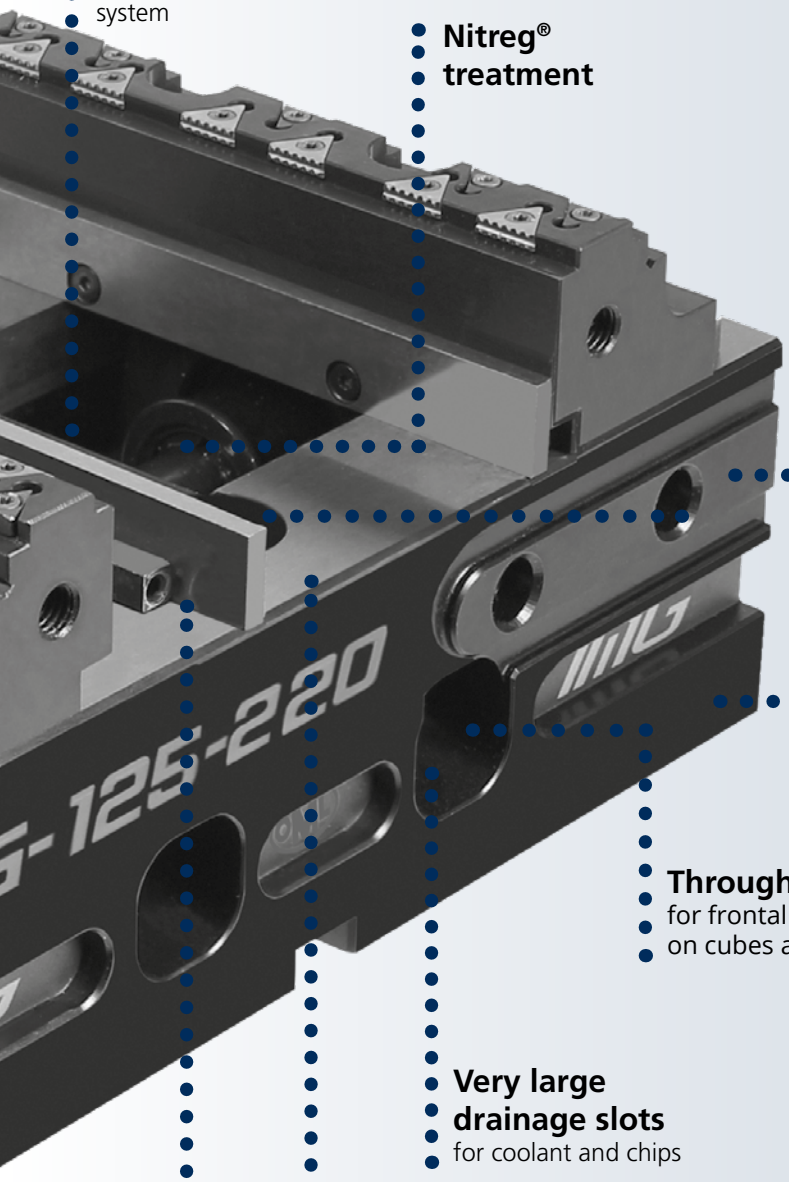
le Clamping | Fixed

Totally protected
With patented telescopic system

Nitreg®
treatment

Ideal
For automation and palletizing systems

Flexible mounting
on machine tool pallet using clamps (optional)



Double clamping jaw
(for double clamping)



Retainer plate
(for fixed clamping)

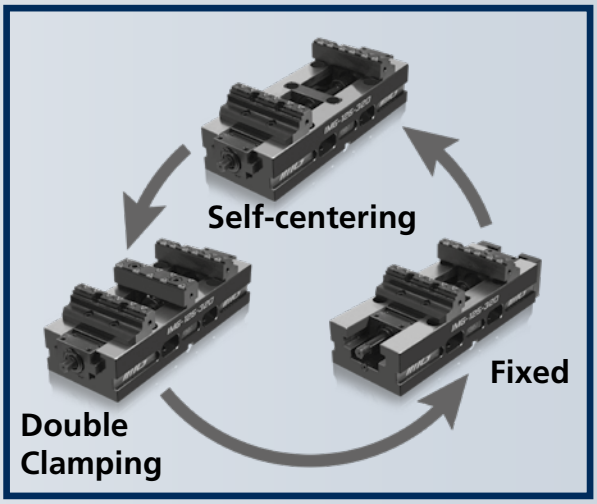


Through-holes
for frontal clamping on cubes and plates

Very large
drainage slots
for coolant and chips

Treated and precision
ground guides
for maximum accuracy and repeatability

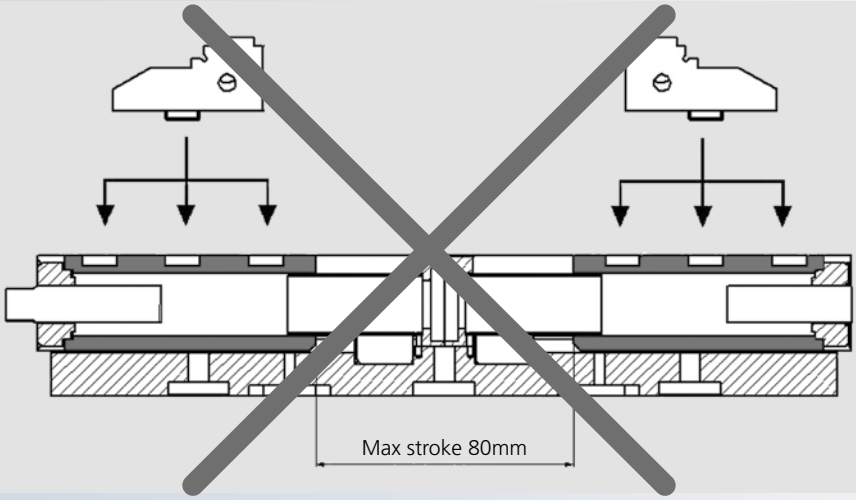
Parallels
with quick change Clak System



Vice
Self-centering | Double Clamping | Fixed

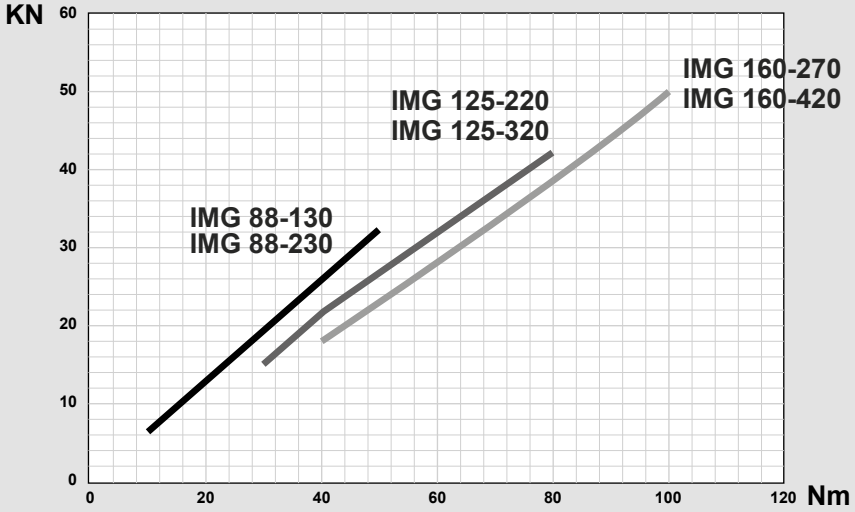
PATENTED PROTECTED SCREW

IMG vices have a fully protected operating screw with a patented telescopic system.
This innovation makes it possible to avoid having to remove the jaws in order to find the clamping position. In fact, normally, vices with protected screws use the slide-way as a protection.



This type of solution forces continuous displacement of the jaws in the appropriate seat.
IMG, on the contrary, while keeping the screw completely protected, allows the continuous movement of opening and closing of the vice.

Clamping force



Clamping forces valid for self-centering, Double clamping, Fixed jaw



Vice
Self-centering | Double Clamping | Fixed

IMG BASIC

The **IMG Basic** models have the same characteristics as the **IMG** vises with the only difference of mounting **Basic jaws** without SinterGrip inserts.

BASIC jaws
without Sintergrip inserts for **IMG BASIC** models

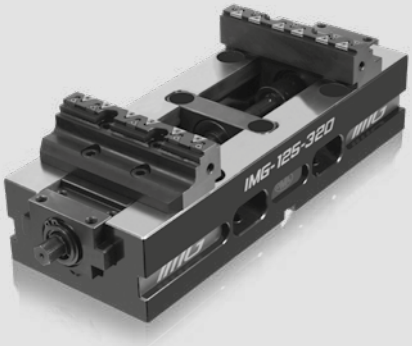


Vice
Self-centering | Double Clamping | Fixed

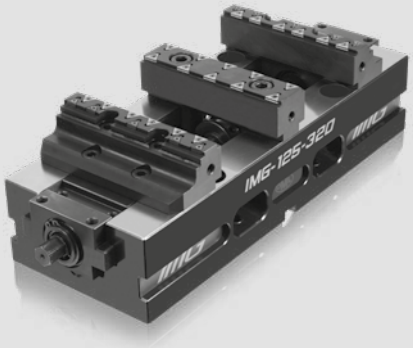
MODULAR

The IMG self-centering vices can be easily transformed into fixed vices or double clamping vices.

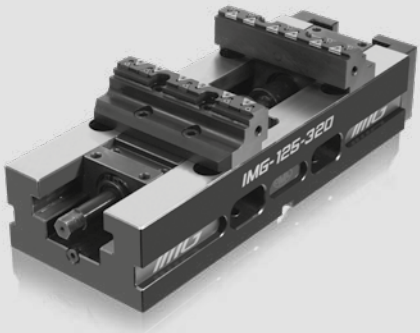
Self-centering



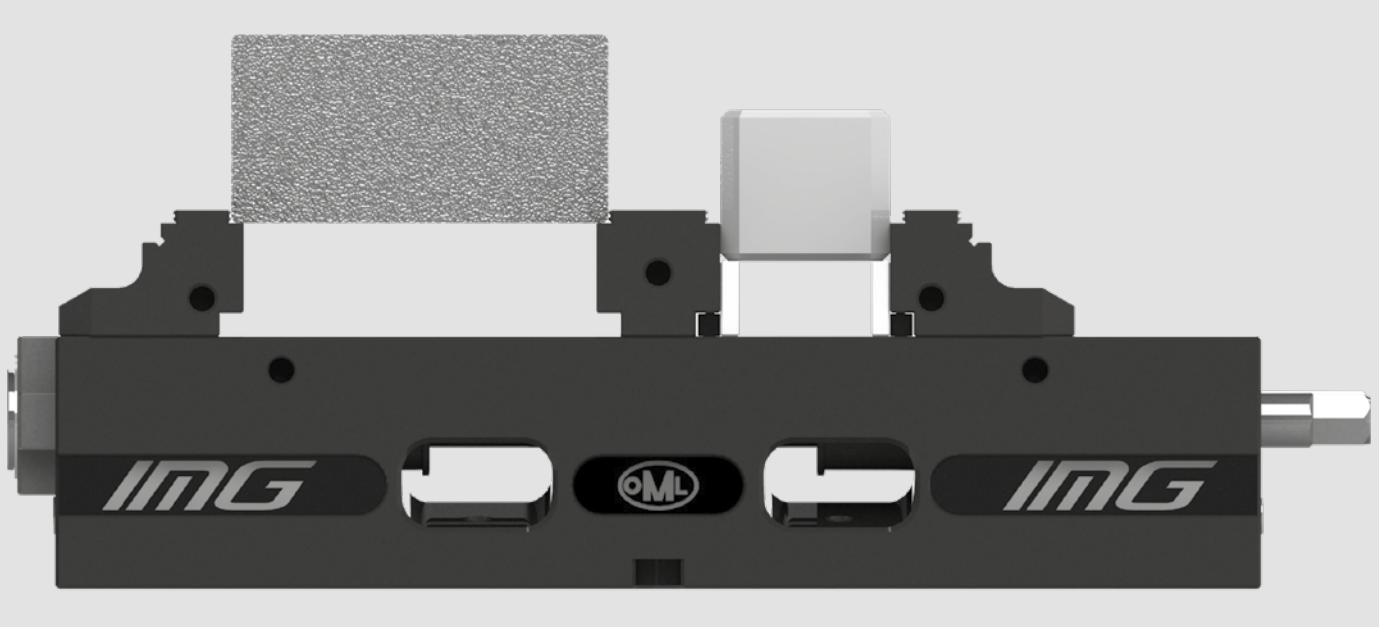
Double Clamping



Fixed

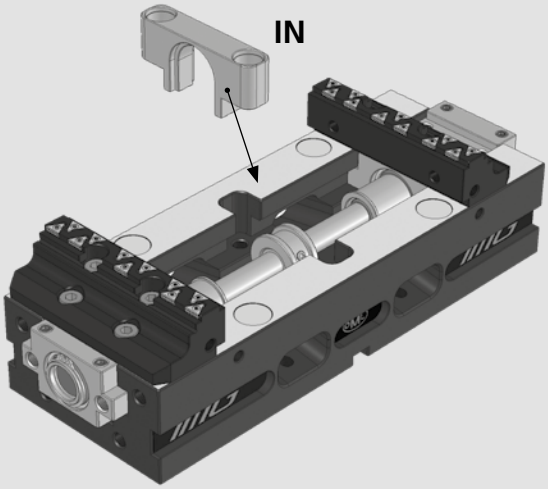


The double clamping vices have a completely compensating mechanism (until zero), therefore it is possible to clamp 2 pieces of different sizes.

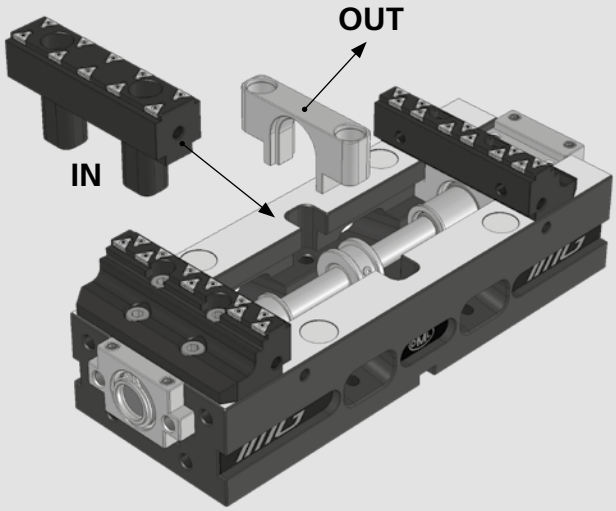




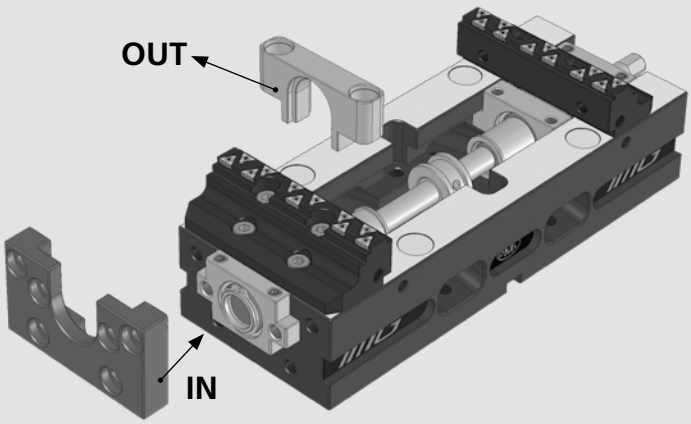
Modular



Self-centering



Double Clamping



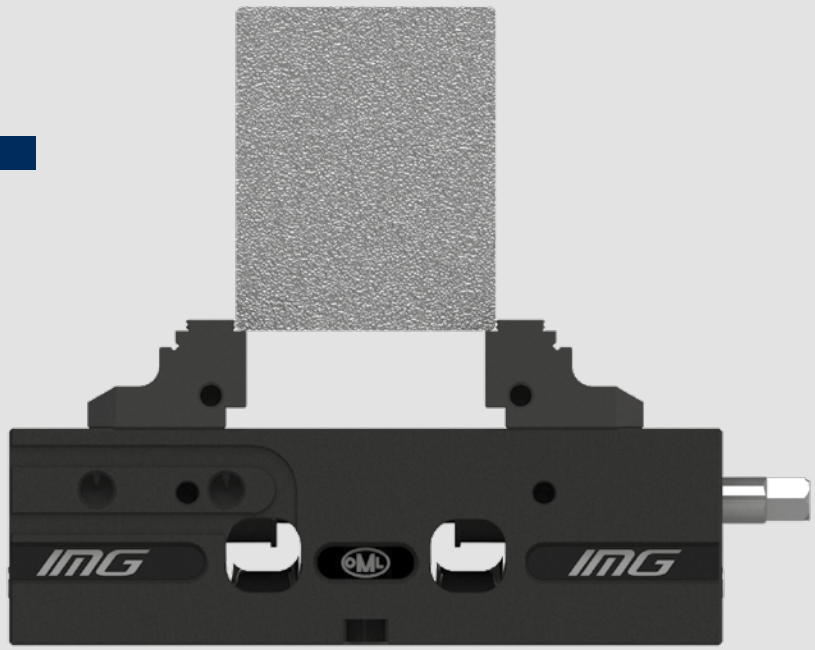
Fixed

Vice
Self-centering | Double Clamping | Fixed

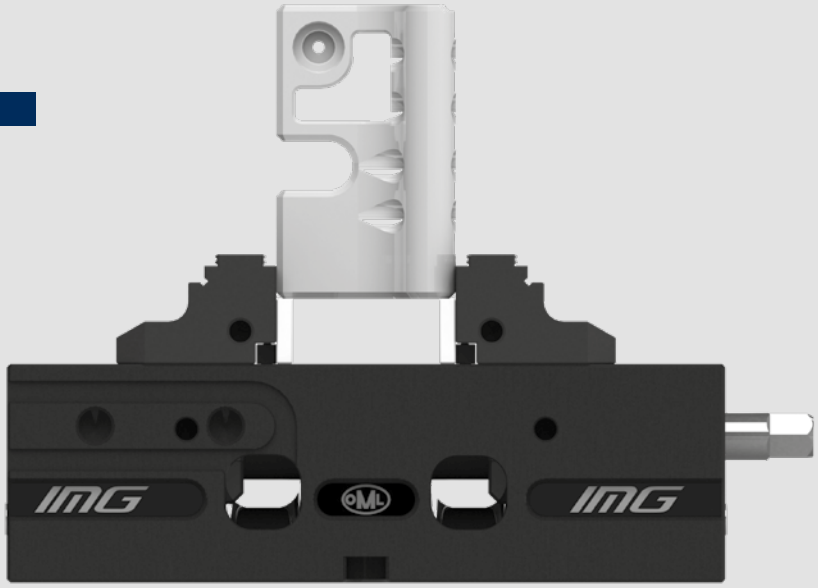
HIGH CLAMPING PERFORMANCE

IMG vices clamp up to 55 kN.
The clamping force combined with the patented SinterGrip system guarantees high performance.

1 OP.



2 OP.





SinterGrip

Our new patented product **SinterGrip** is born to satisfy the current need to clamp a workpiece for very few millimeters (with SinterGrip 3,5 mm clamping surface), and this for the following reasons:

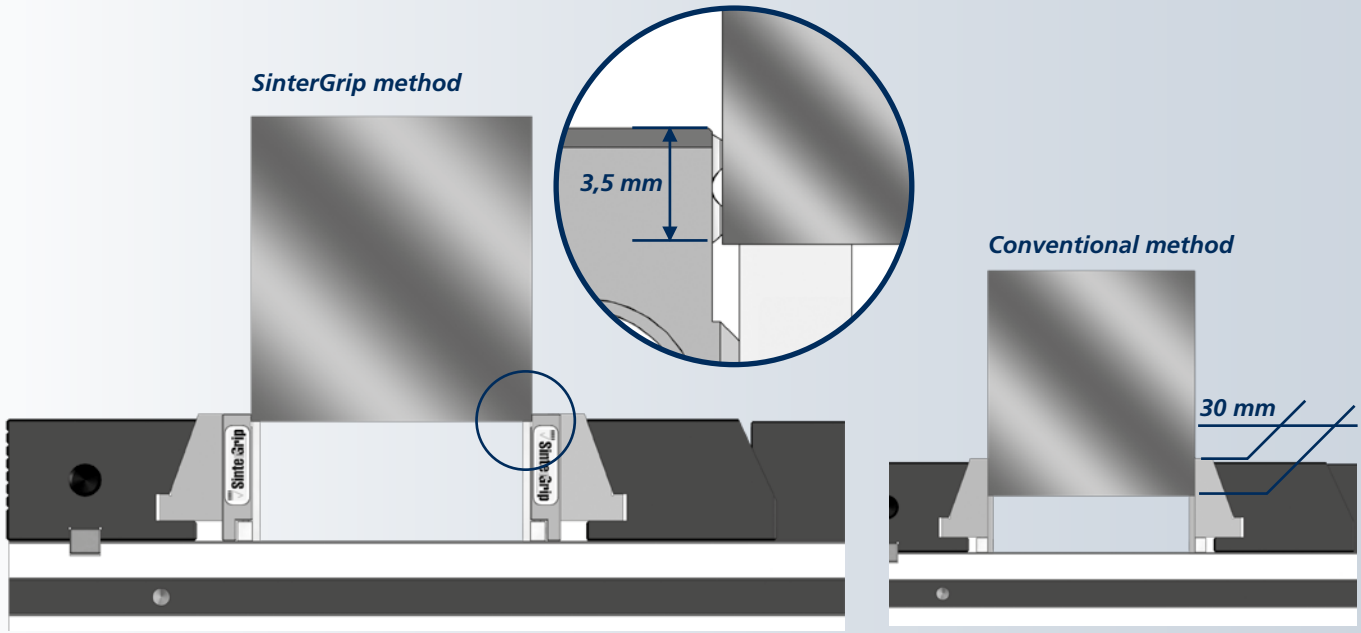
1) In order to machine the workpiece completely in a single operation (especially for 5 axis machines);

2) In order to save money for the raw materials,
especially when they have a big impact on the price (aluminum, titanium, etc.)

Indirectly to these reasons, and in order to improve the performance of the machine tool and the tools

higher cutting speed +
higher feed rate =
bigger volume of metal removed =
less time to machine the workpiece

the market requires safe clamping, which could at the same time possibly avoid the deformations of the piece itself.





Only 3,5 mm clamping surface, no need of pre-machining the workpiece, clamping stability, higher cutting rate: **SinterGrip** brings only advantages compared to the traditional systems.

On the contrary, traditional systems need, for the clamping of the workpiece, a bigger clamping surface, with the result of waste of raw materials and greater possibility of deformation of the workpiece.

IMG 88 - 130

Self-centering vice | Double Clamping | Fixed

■ Patented protected screw



Applications / Customer Benefits

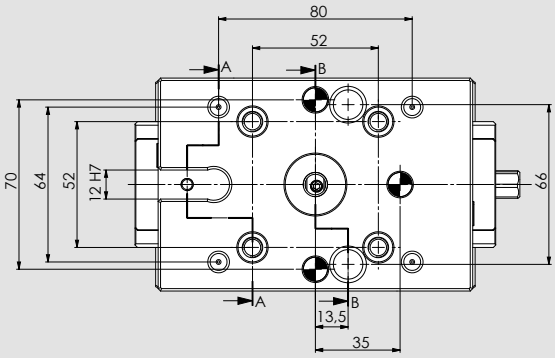
- Highly precise self-centering clamping with maximum repeatability
- Totally protected
- Compact design for better accessibility and very large drainage slots
- Jaws with SinterGrip clamping inserts for minimum workpiece clamping depth without pre-machining
- Type **IMG BASIC** with jaws without SinterGrip inserts
- Wide clamping range
- Ideal for OP 10 and OP 20

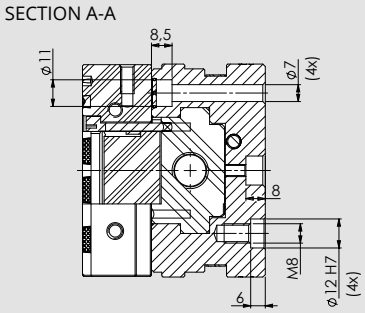
Technical features

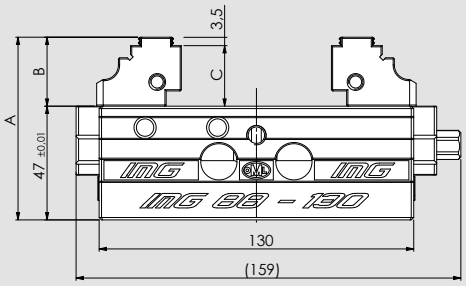
- Self-centering clamping
- Clamping force up to 32 kN (50 Nm)
- Jaw width 87,5 mm
- Through-holes for frontal clamping on cubes and plates
- Interface for zero point systems APS / TDM and Plus 5 52 mm as standard

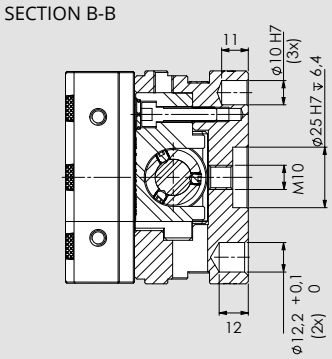
Standard equipment

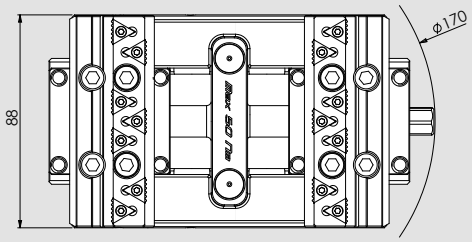
Wrench, jaws, nr. 10 Sintergrip inserts.







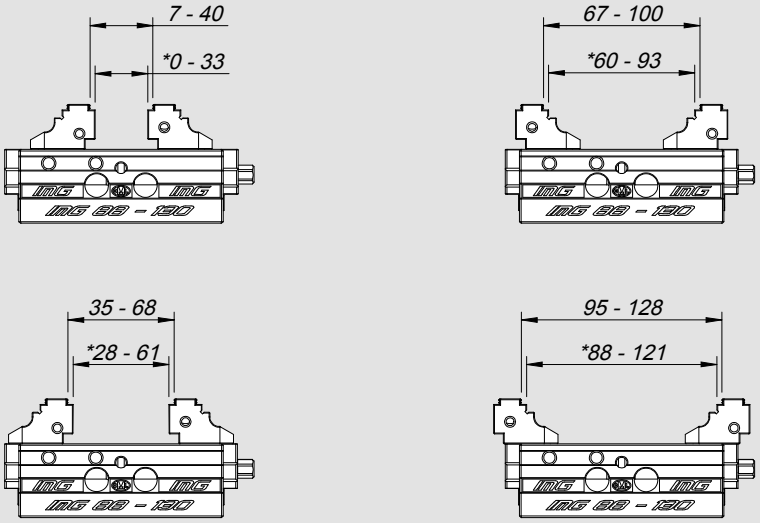




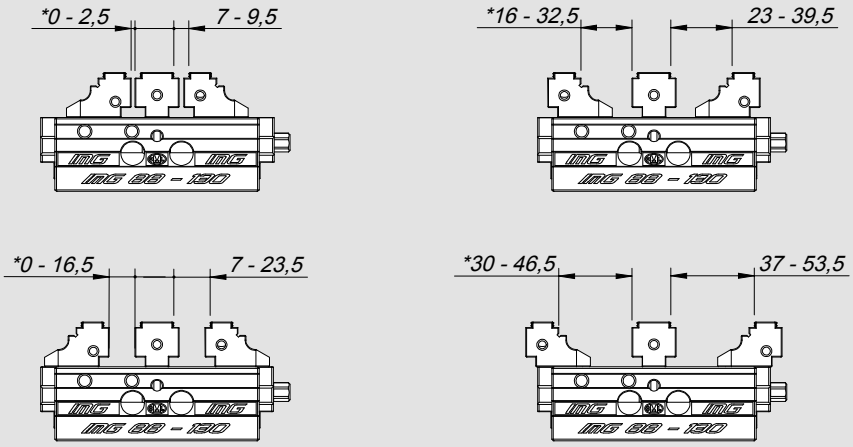
Type	Id. No.	A	B	C	Weight
IMG 88 - 130 with SinterGrip jaws **STD**	77583411	75,5	28,5	25,0	4,5 Kg
IMG 88 - 130 with SinterGrip jaws **ALU**	77583412	75,5	28,5	25,0	4,5 Kg
IMG 88 - 130 with SinterGrip jaws **HRC**	77583413	75,5	28,5	25,0	4,5 Kg
IMG 88 - 130 with SinterGrip jaws **PLM** (for polymer materials)	77583416	75,5	28,5	25,0	4,5 Kg
IMG 88 - 130 H1* with SinterGrip jaws **STD**	77583411H1	65,5	18,5	15,0	4,5 Kg
IMG 88 - 130 H1* with SinterGrip jaws **ALU**	77583412H1	65,5	18,5	15,0	4,5 Kg
IMG 88 - 130 H1* with SinterGrip jaws **HRC**	77583413H1	65,5	18,5	15,0	4,5 Kg
IMG 88 - 130 H1* with SinterGrip jaws **PLM** (for polymer materials)	77583416H1	65,5	18,5	15,0	4,5 Kg
IMG 88 - 130 **Basic**	77583414	75,5	28,5	25,0	4,5 Kg
IMG 88 - 130 **Basic** H1*	77583414H1	65,5	18,5	15,0	4,5 Kg
IMG 88 - 130 body only	77583401	-	-	-	3,5 Kg

* Compatible in height with other vices on the market

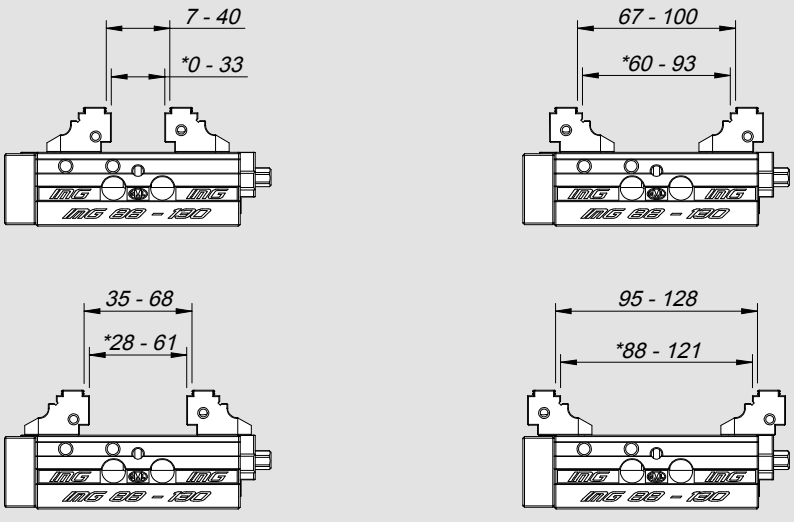
Self-centering



Double Clamping



Fixed



* Opening with smooth jaws

Valid dimensions for SinterGrip, H1 and Basic type

IMG 88 - 230

Self-centering vice | Double Clamping | Fixed

■ Patented protected screw



Applications / Customer Benefits

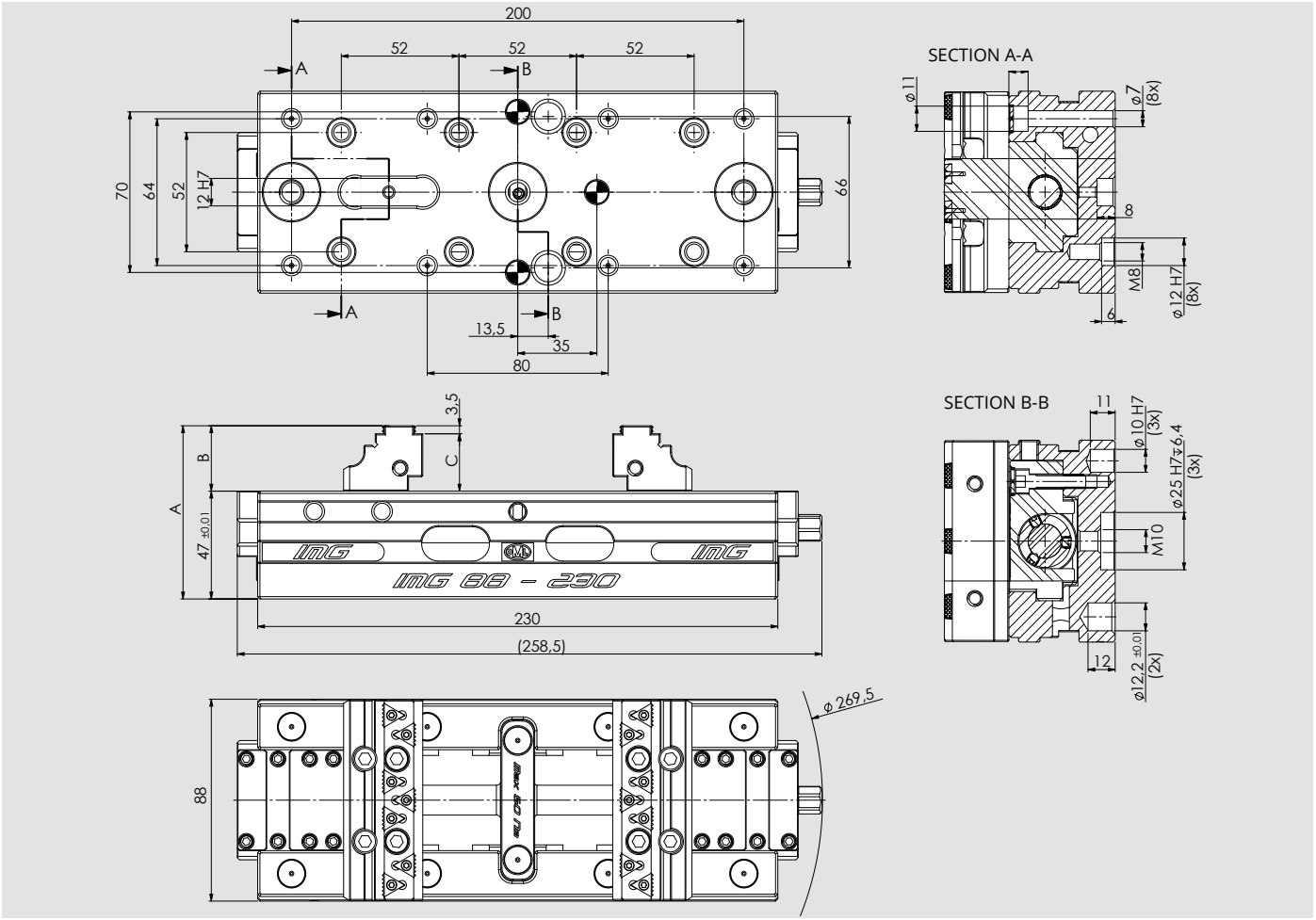
- Highly precise self-centering clamping with maximum repeatability
- Totally protected
- Compact design for better accessibility and very large drainage slots
- Jaws with SinterGrip clamping inserts for minimum workpiece clamping depth without pre-machining
- Type **IMG BASIC** with jaws without SinterGrip inserts
- Wide clamping range
- Ideal for OP 10 and OP 20

Technical features

- Self-centering clamping
- Clamping force up to 32 kN (50 Nm)
- Jaw width 87,5 mm
- Through-holes for frontal clamping on cubes and plates
- Interface for zero point systems APS / TDM and Plus 5 52 mm as standard

Standard equipment

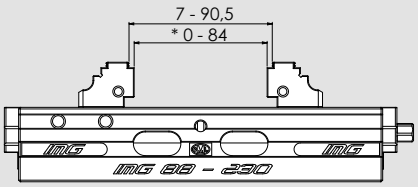
Wrench, jaws, nr. 10 Sintergrip inserts.

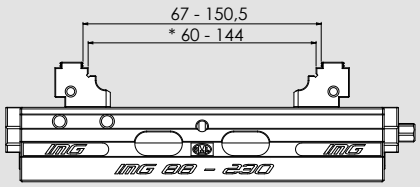


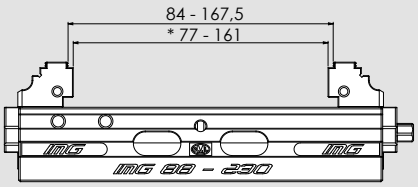
Type	Id. No.	A	B	C	Weight
IMG 88 - 230 with SinterGrip jaws **STD**	77583421	75,5	28,5	25,0	7,5 Kg
IMG 88 - 230 with SinterGrip jaws **ALU**	77583422	75,5	28,5	25,0	7,5 Kg
IMG 88 - 230 with SinterGrip jaws **HRC**	77583423	75,5	28,5	25,0	7,5 Kg
IMG 88 - 230 with SinterGrip jaws **PLM** (for polymer materials)	77583426	75,5	28,5	25,0	7,5 Kg
IMG 88 - 230 H1* with SinterGrip jaws **STD**	77583421H1	65,5	18,5	15,0	7,5 Kg
IMG 88 - 230 H1* with SinterGrip jaws **ALU**	77583422H1	65,5	18,5	15,0	7,5 Kg
IMG 88 - 230 H1* with SinterGrip jaws **HRC**	77583423H1	65,5	18,5	15,0	7,5 Kg
IMG 88 - 230 H1* with SinterGrip jaws **PLM** (for polymer materials)	77583426H1	65,5	18,5	15,0	7,5 Kg
IMG 88 - 230 **Basic**	77583424	75,5	28,5	25,0	7,5 Kg
IMG 88 - 230 H1* **Basic**	77583424H1	65,5	18,5	15,0	7,5 Kg
IMG 88 - 230 body only	77583402	-	-	-	6,5 Kg

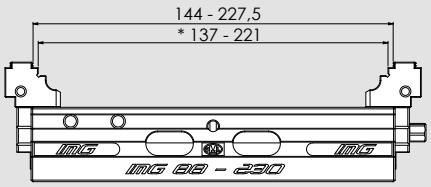
* Compatible in height with other vices on the market

Self-centering

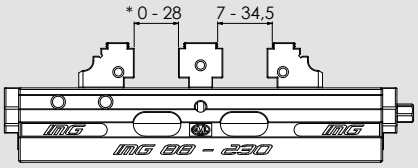


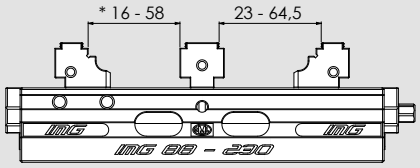


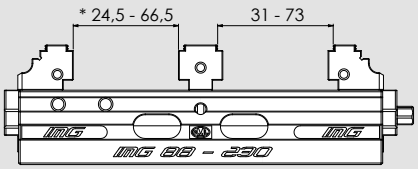


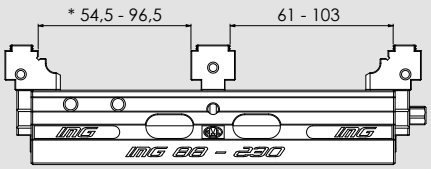


Double Clamping

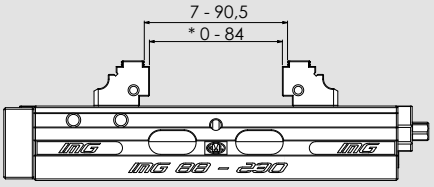


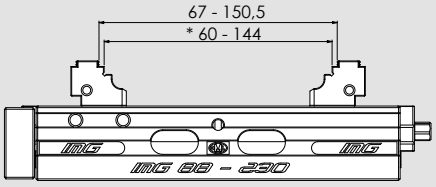


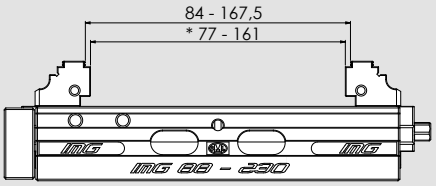


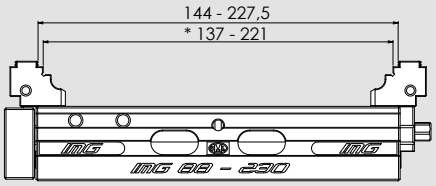


Fixed









* Opening with smooth jaws

Valid dimensions for SinterGrip, H1 and Basic type

IMG 125 - 180

Self-centering vice | Double Clamping | Fixed

■ Patented protected screw



Applications / Customer Benefits

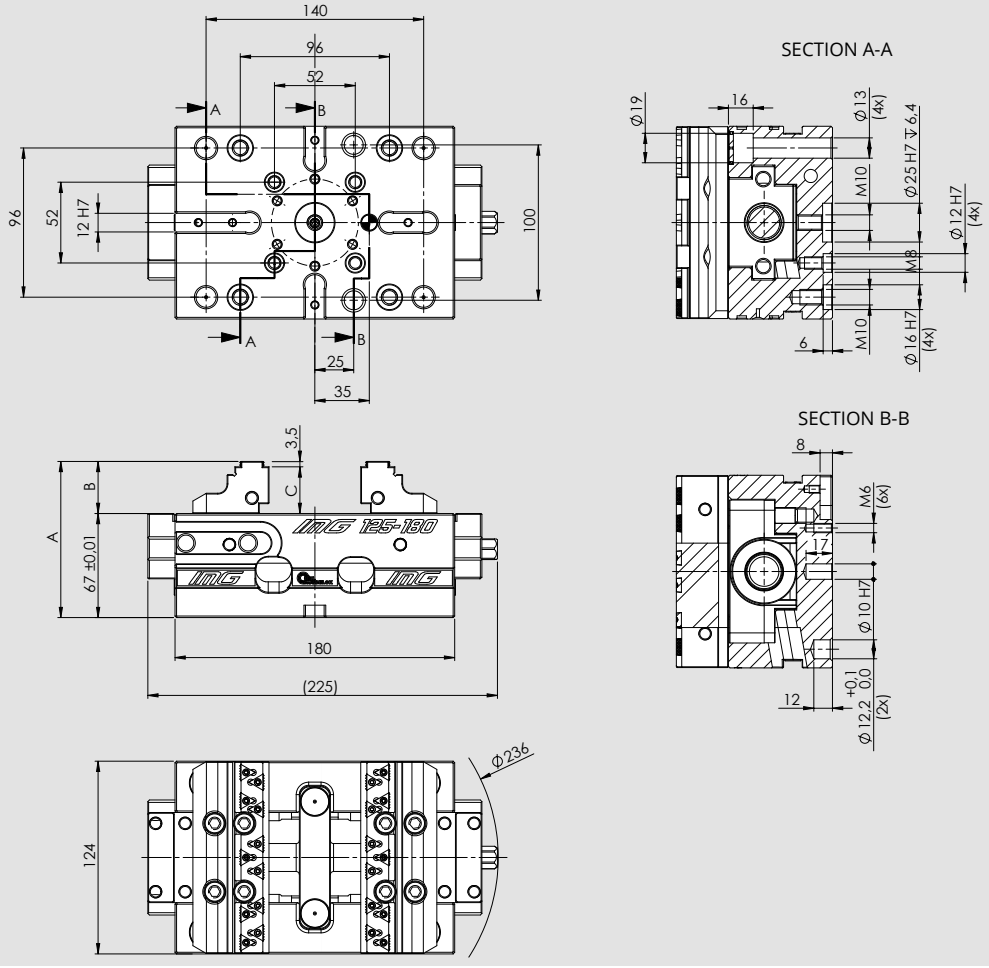
- Highly precise self-centering clamping with maximum repeatability
- Totally protected
- Compact design for better accessibility and very large drainage slots
- Jaws with SinterGrip clamping inserts for minimum workpiece clamping depth without pre-machining
- Type **IMG BASIC** with jaws without SinterGrip inserts
- Wide clamping range
- Ideal for OP 10 and OP 20

Technical features

- Self-centering clamping
- Clamping force up to 40 kN (80 Nm)
- Jaw width 125 mm
- Through-holes for frontal clamping on cubes and plates
- Interface for zero point systems APS / TDM and Plus 5 52 / 96 mm as standard

Standard equipment

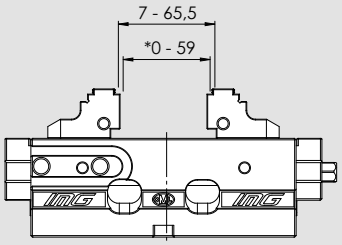
Wrench, jaws, Sintergrip inserts.

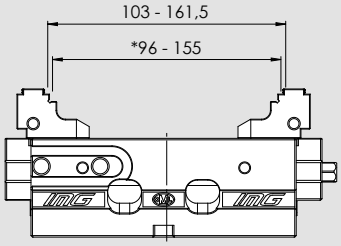


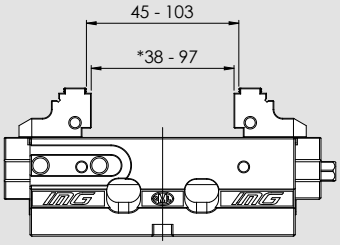
Type	Id. No.	A	B	C	Weight
IMG 125 - 180 with SinterGrip jaws **STD**	77583531	100,5	33,5	30,0	12 Kg
IMG 125 - 180 with SinterGrip jaws **ALU**	77583532	100,5	33,5	30,0	12 Kg
IMG 125 - 180 with SinterGrip jaws **HRC**	77583533	100,5	33,5	30,0	12 Kg
IMG 125 - 180 with SinterGrip jaws **PLM** (for polymer materials)	77583536	100,5	33,5	30,0	12 Kg
IMG 125 - 180 H1* with SinterGrip jaws **STD**	77583531H1	89,5	22,5	19,0	12 Kg
IMG 125 - 180 H1* with SinterGrip jaws **ALU**	77583532H1	89,5	22,5	19,0	12 Kg
IMG 125 - 180 H1* with SinterGrip jaws **HRC**	77583533H1	89,5	22,5	19,0	12 Kg
IMG 125 - 180 H1* with SinterGrip jaws **PLM** (for polymer materials)	77583536H1	89,5	22,5	19,0	12 Kg
IMG 125 - 180 **Basic**	77583534	100,5	33,5	30,0	12 Kg
IMG 125 - 180 H1* **Basic**	77583534H1	89,5	22,5	19,0	12 Kg
IMG 125 - 180 body only	77583503	-	-	-	10 Kg

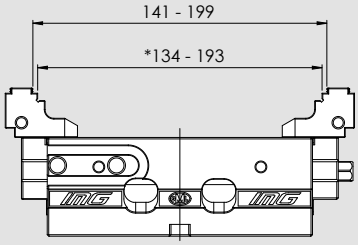
* Compatible in height with other vices on the market

Self-centering

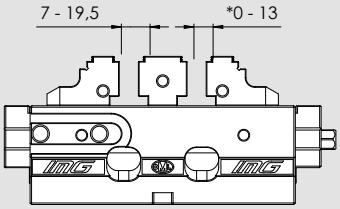


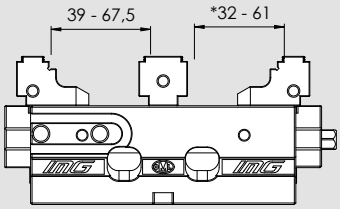


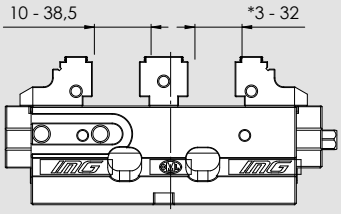


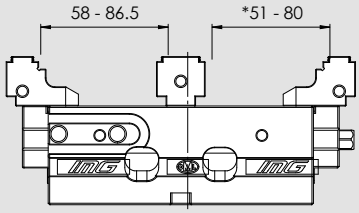


Double Clamping

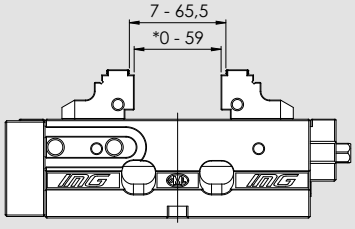


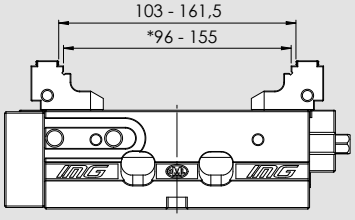


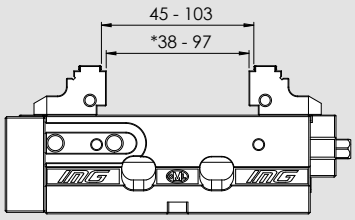


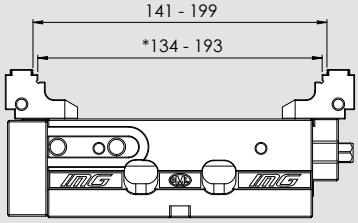


Fixed









* Opening with smooth jaws

Valid dimensions for SinterGrip, H1 and Basic type

IMG 125 - 220

Self-centering vice | Double Clamping | Fixed

■ Patented protected screw



Applications / Customer Benefits

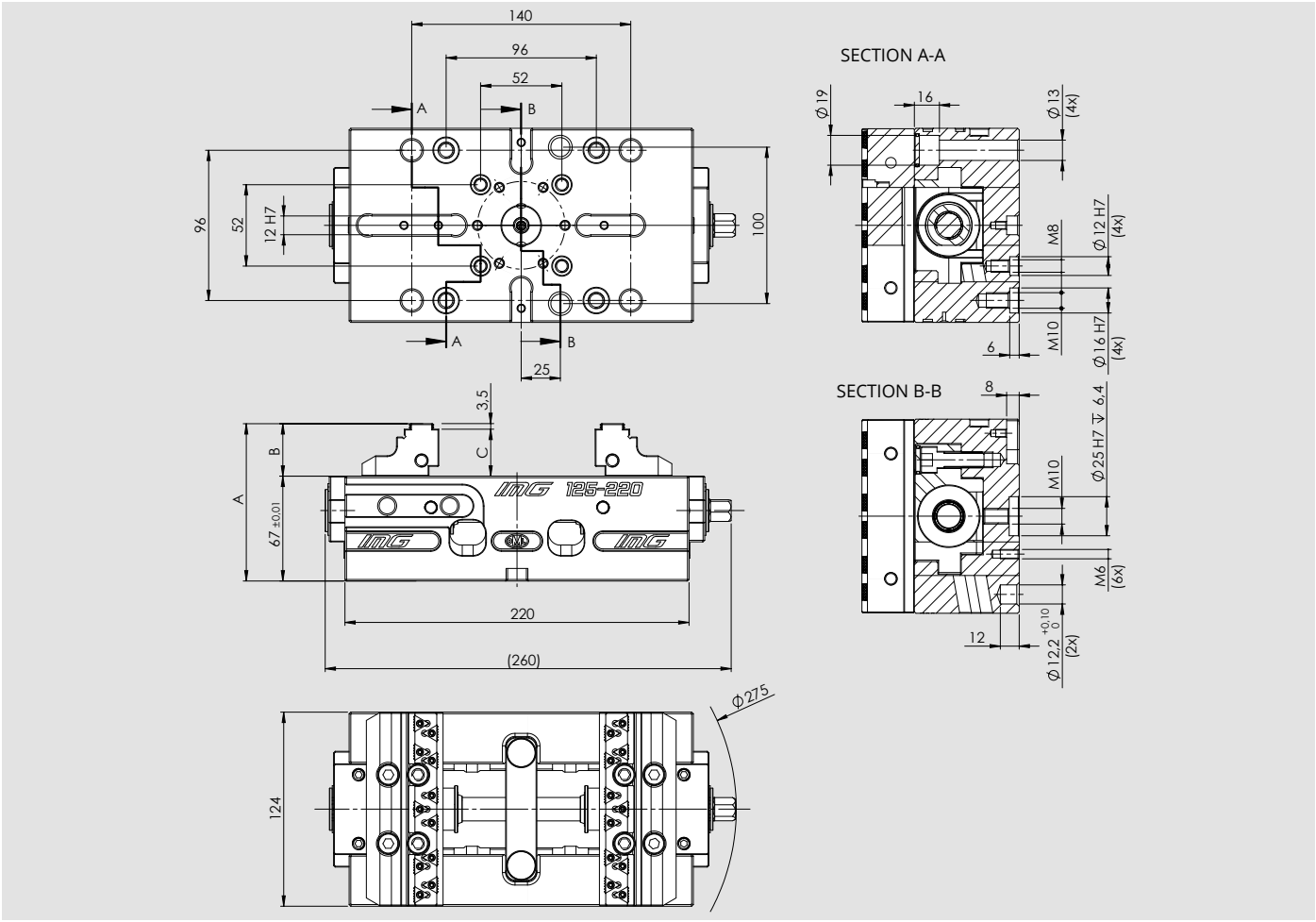
- Highly precise self-centering clamping with maximum repeatability
- Totally protected
- Compact design for better accessibility and very large drainage slots
- Jaws with SinterGrip clamping inserts for minimum workpiece clamping depth without pre-machining
- Type **IMG BASIC** with jaws without SinterGrip inserts
- Wide clamping range
- Ideal for OP 10 and OP 20

Technical features

- Self-centering clamping
- Clamping force up to 40 kN (80 Nm)
- Jaw width 125 mm
- Through-holes for frontal clamping on cubes and plates
- Interface for zero point systems APS / TDM and Plus 5 52 / 96 mm as standard

Standard equipment

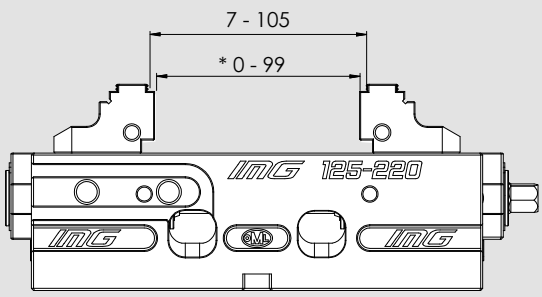
Wrench, jaws, Sintergrip inserts.

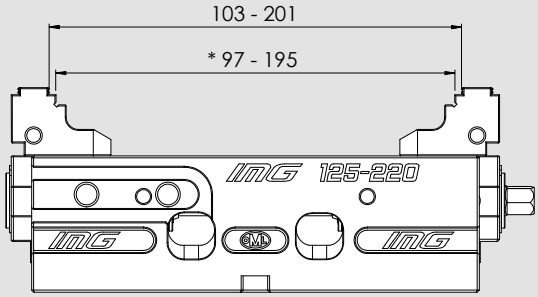


Type	Id. No.	A	B	C	Weight
IMG 125 - 220 with SinterGrip jaws **STD**	77583511	100,5	33,5	30,0	15 Kg
IMG 125 - 220 with SinterGrip jaws **ALU**	77583512	100,5	33,5	30,0	15 Kg
IMG 125 - 220 with SinterGrip jaws **HRC**	77583513	100,5	33,5	30,0	15 Kg
IMG 125 - 220 with SinterGrip jaws **PLM** (for polymer materials)	77583516	100,5	33,5	30,0	15 Kg
IMG 125 - 220 H1* with SinterGrip jaws **STD**	77583511H1	89,5	22,5	19,0	15 Kg
IMG 125 - 220 H1* with SinterGrip jaws **ALU**	77583512H1	89,5	22,5	19,0	15 Kg
IMG 125 - 220 H1* with SinterGrip jaws **HRC**	77583513H1	89,5	22,5	19,0	15 Kg
IMG 125 - 220 H1* with SinterGrip jaws **PLM** (for polymer materials)	77583516H1	89,5	22,5	19,0	15 Kg
IMG 125 - 220 **Basic**	77583514	100,5	33,5	30,0	15 Kg
IMG 125 - 220 H1* **Basic**	77583514H1	89,5	22,5	19,0	15 Kg
IMG 125 - 220 body only	77583501	-	-	-	10 Kg

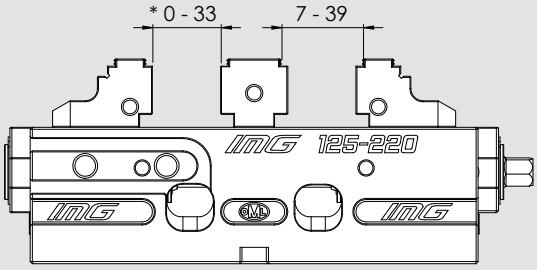
* Compatible in height with other vices on the market

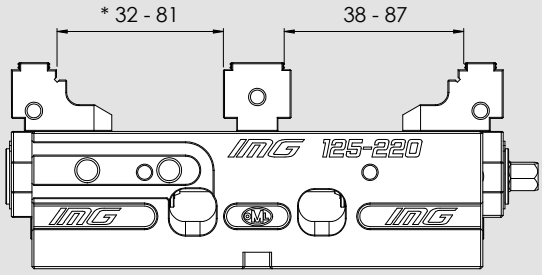
Self-centering



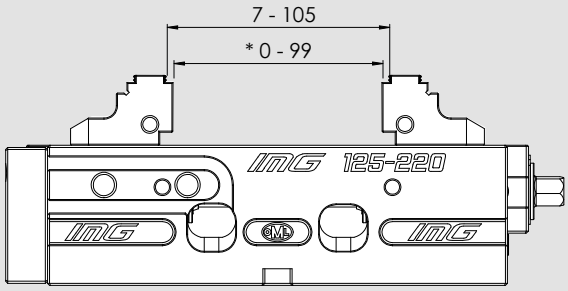


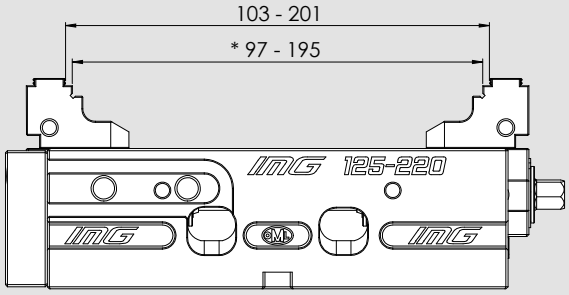
Double Clamping





Fixed





* Opening with smooth jaws

Valid dimensions for SinterGrip, H1 and Basic type

IMG 125 - 320

Self-centering vice | Double Clamping | Fixed

■ Patented protected screw



Applications / Customer Benefits

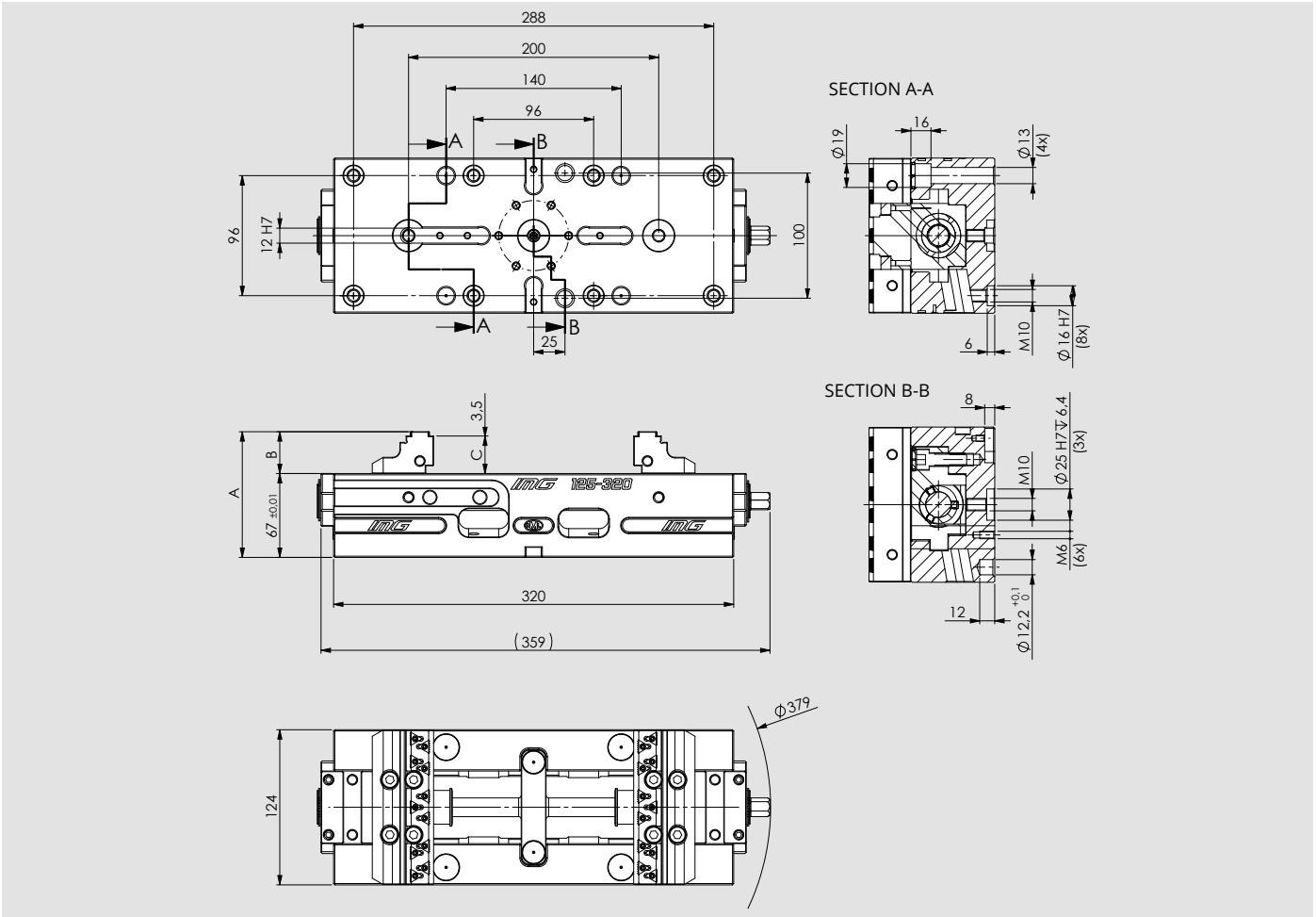
- Highly precise self-centering clamping with maximum repeatability
- Totally protected
- Compact design for better accessibility and very large drainage slots
- Jaws with SinterGrip clamping inserts for minimum workpiece clamping depth without pre-machining
- Type **IMG BASIC** with jaws without SinterGrip inserts
- Wide clamping range
- Ideal for OP 10 and OP 20

Technical features

- Self-centering clamping
- Clamping force up to 40 kN (80 Nm)
- Jaw width 125 mm
- Through-holes for frontal clamping on cubes and plates
- Interface for zero point systems APS / TDM and Plus 5 96 mm as standard

Standard equipment

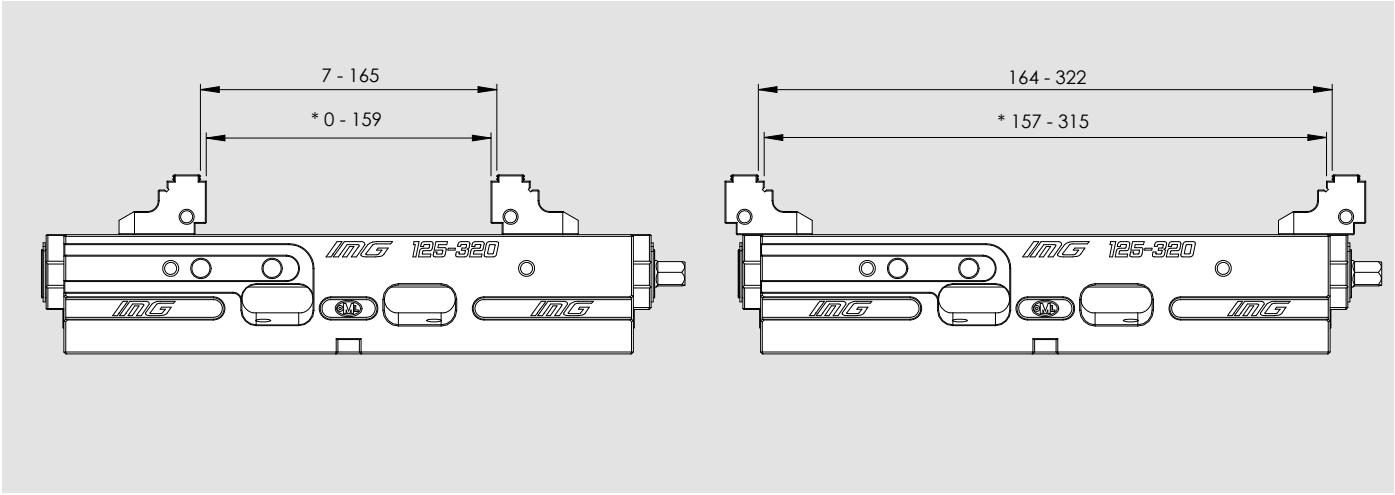
Wrench, jaws, Sintergrip inserts.



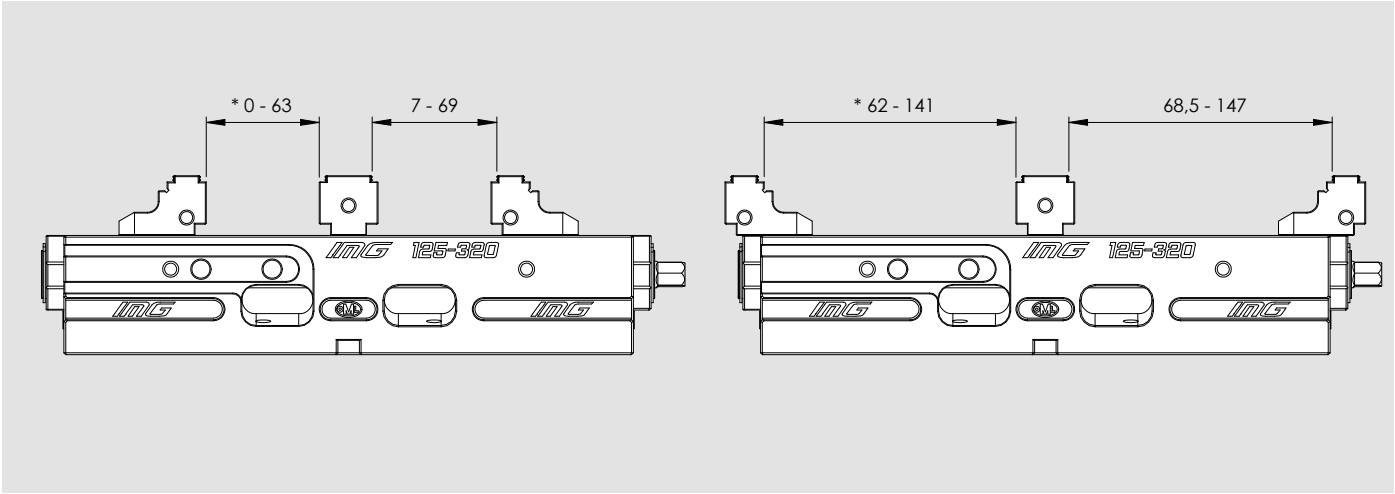
Type	Id. No.	A	B	C	Weight
IMG 125 - 320 with SinterGrip jaws **STD**	77583521	100,5	33,5	30,0	20 Kg
IMG 125 - 320 with SinterGrip jaws **ALU**	77583522	100,5	33,5	30,0	20 Kg
IMG 125 - 320 with SinterGrip jaws **HRC**	77583523	100,5	33,5	30,0	20 Kg
IMG 125 - 320 with SinterGrip jaws **PLM** (for polymer materials)	77583526	100,5	33,5	30,0	20 Kg
IMG 125 - 320 H1* with SinterGrip jaws **STD**	77583521H1	89,5	22,5	19,0	20 Kg
IMG 125 - 320 H1* with SinterGrip jaws **ALU**	77583522H1	89,5	22,5	19,0	20 Kg
IMG 125 - 320 H1* with SinterGrip jaws **HRC**	77583523H1	89,5	22,5	19,0	20 Kg
IMG 125 - 320 H1* with SinterGrip jaws **PLM** (for polymer materials)	77583526H1	89,5	22,5	19,0	20 Kg
IMG 125 - 320 **Basic**	77583524	100,5	33,5	30,0	20 Kg
IMG 125 - 320 H1* **Basic**	77583524H1	89,5	22,5	19,0	20 Kg
IMG 125 - 320 body only	77583502	-	-	-	18 Kg

* Compatible in height with other vices on the market

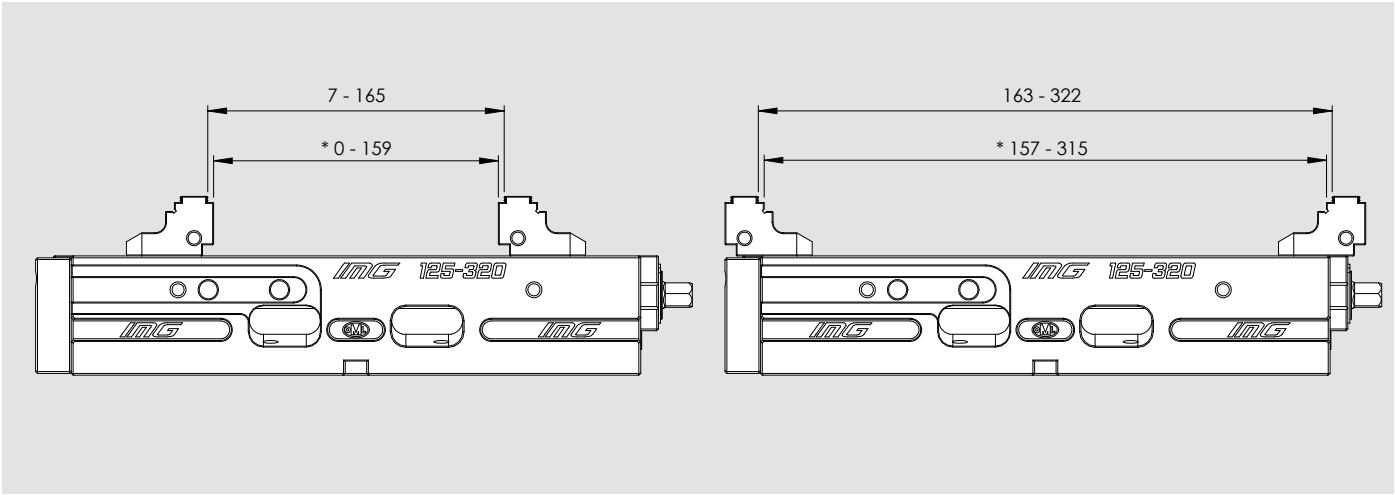
Self-centering



Double Clamping



Fixed



* Opening with smooth jaws

Valid dimensions for SinterGrip, H1 and Basic type

IMG 160 - 270

Self-centering vice | Double Clamping | Fixed

■ **Patented protected screw**



Applications / Customer Benefits

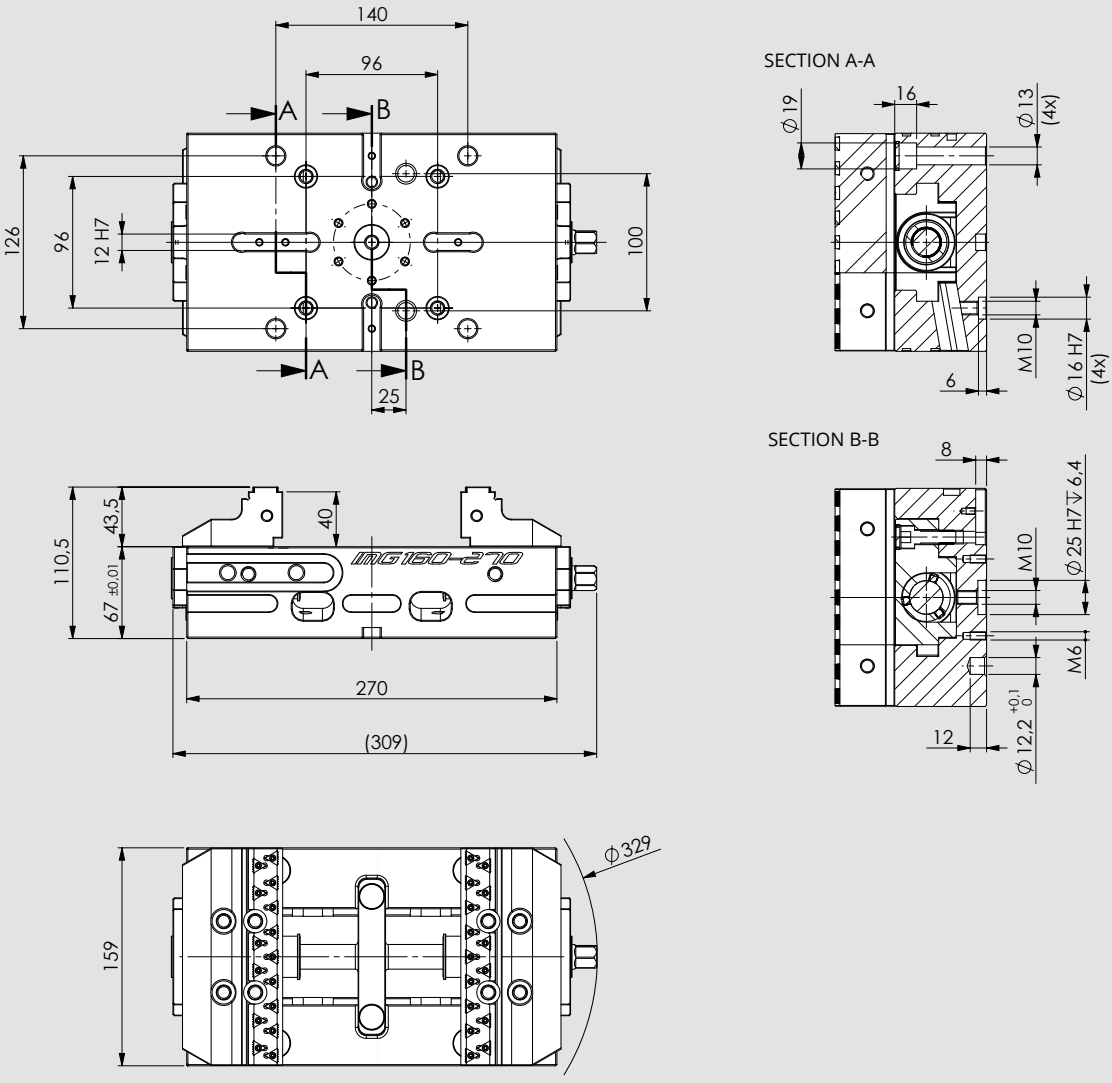
- Highly precise self-centering clamping with maximum repeatability
- Totally protected
- Compact design for better accessibility and very large drainage slots
- Jaws with SinterGrip clamping inserts for minimum workpiece clamping depth without pre-machining
- Type **IMG BASIC** with jaws without SinterGrip inserts
- Wide clamping range
- Ideal for OP 10 and OP 20

Technical features

- Self-centering clamping
- Clamping force up to 50 kN (100 Nm)
- Jaw width 160 mm
- Through-holes for frontal clamping on cubes and plates
- Interface for zero point systems APS / TDM and Plus 5 96 mm as standard

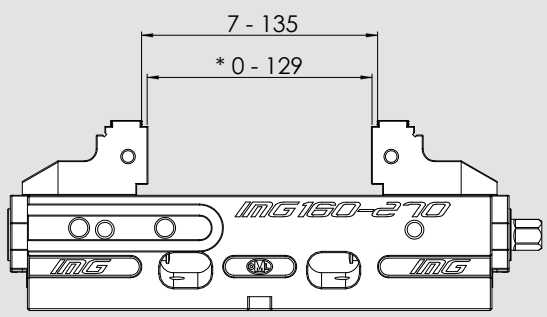
Standard equipment

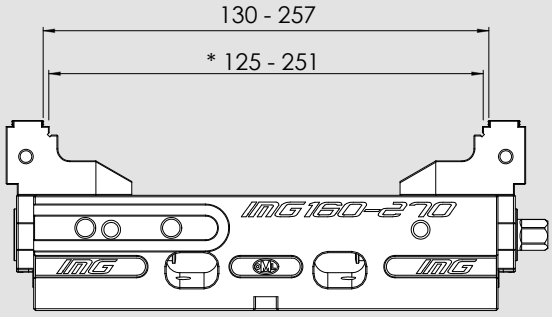
Wrench, jaws, Sintergrip inserts.



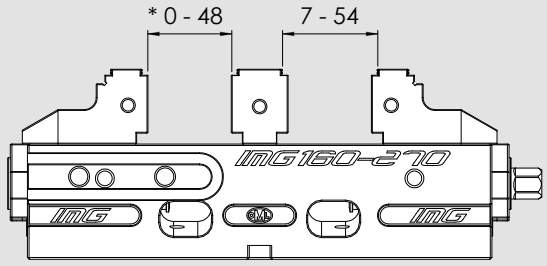
Type	Id. No.	Weight
IMG 160 - 270 with SinterGrip jaws **STD**	77583611	22 Kg
IMG 160 - 270 with SinterGrip jaws **ALU**	77583612	22 Kg
IMG 160 - 270 with SinterGrip jaws **HRC**	77583613	22 Kg
IMG 160 - 270 with SinterGrip jaws **PLM** (for polymer materials)	77583616	22 Kg
IMG 160 - 270 **Basic**	77583614	22 Kg
IMG 160 - 270 body only	77583601	17 Kg

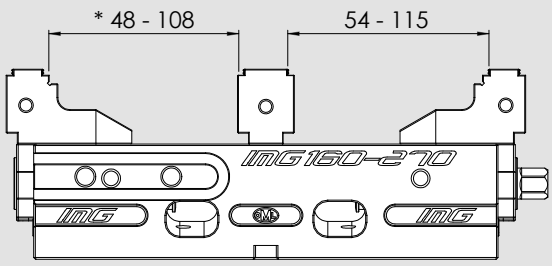
Self-centering



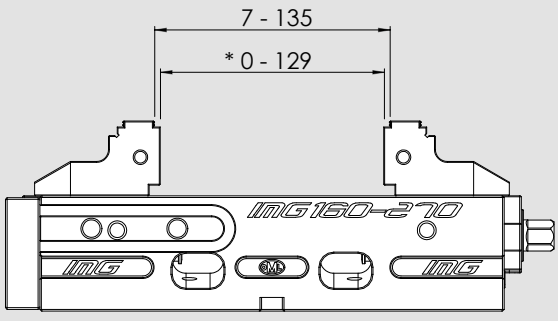


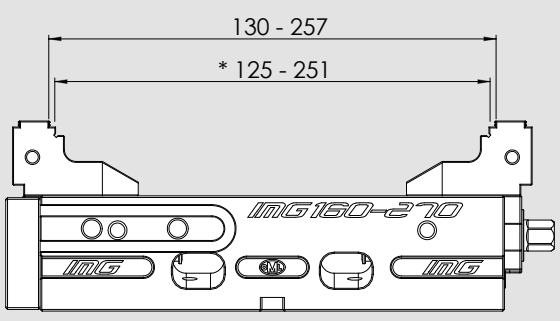
Double Clamping





Fixed





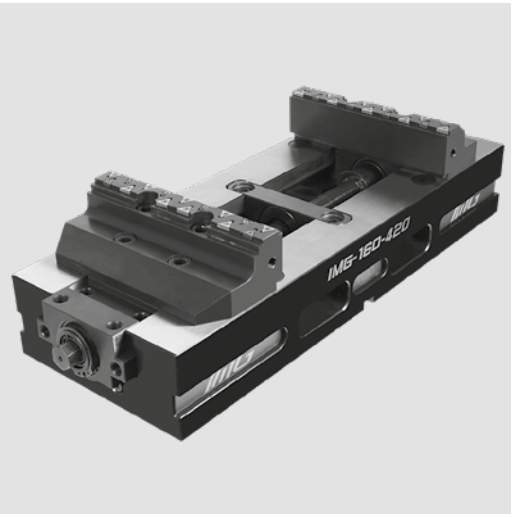
* Opening with smooth jaws

Valid dimensions for both SinterGrip and Basic type

IMG 160 - 420

Self-centering vice | Double Clamping | Fixed

■ Patented protected screw



Applications / Customer Benefits

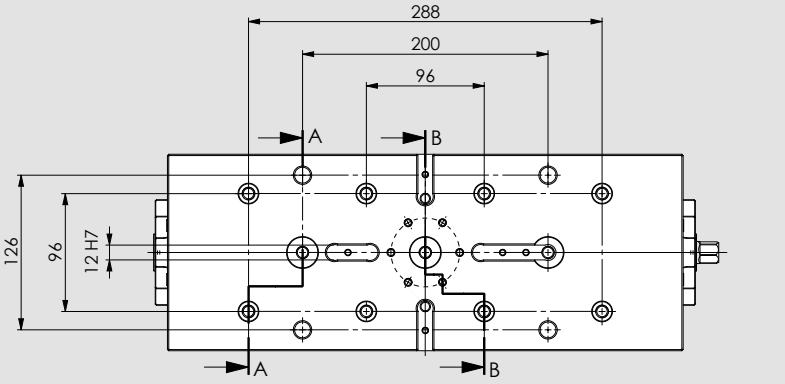
- Highly precise self-centering clamping with maximum repeatability
- Totally protected
- Compact design for better accessibility and very large drainage slots
- Jaws with SinterGrip clamping inserts for minimum workpiece clamping depth without pre-machining
- Type **IMG BASIC** with jaws without SinterGrip inserts
- Wide clamping range
- Ideal for OP 10 and OP 20

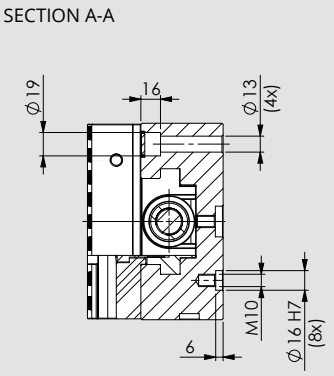
Technical features

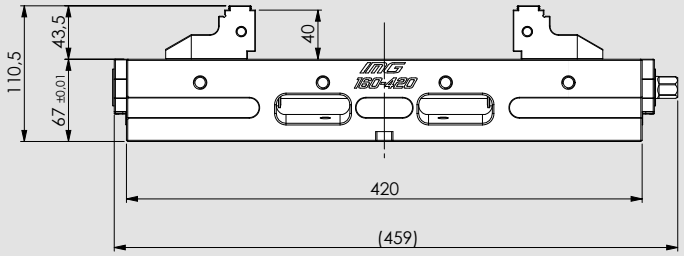
- Self-centering clamping
- Clamping force up to 50 kN (100 Nm)
- Jaw width 160 mm
- Through-holes for frontal clamping on cubes and plates
- Interface for zero point systems APS / TDM and Plus 5 96 mm as standard

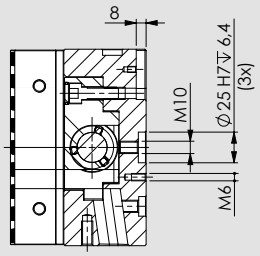
Standard equipment

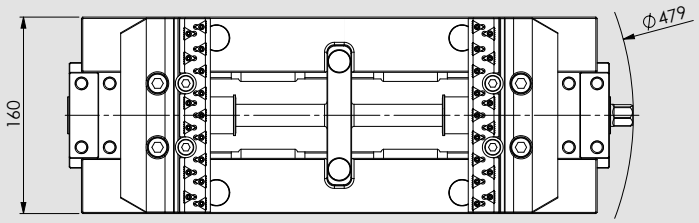
Wrench, jaws, Sintergrip inserts.





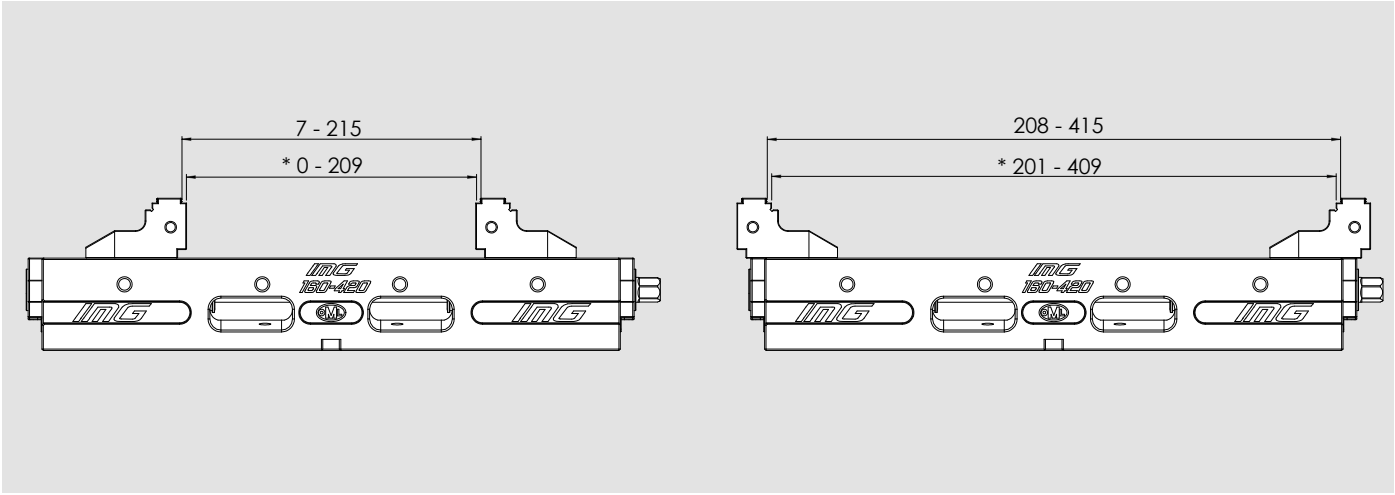




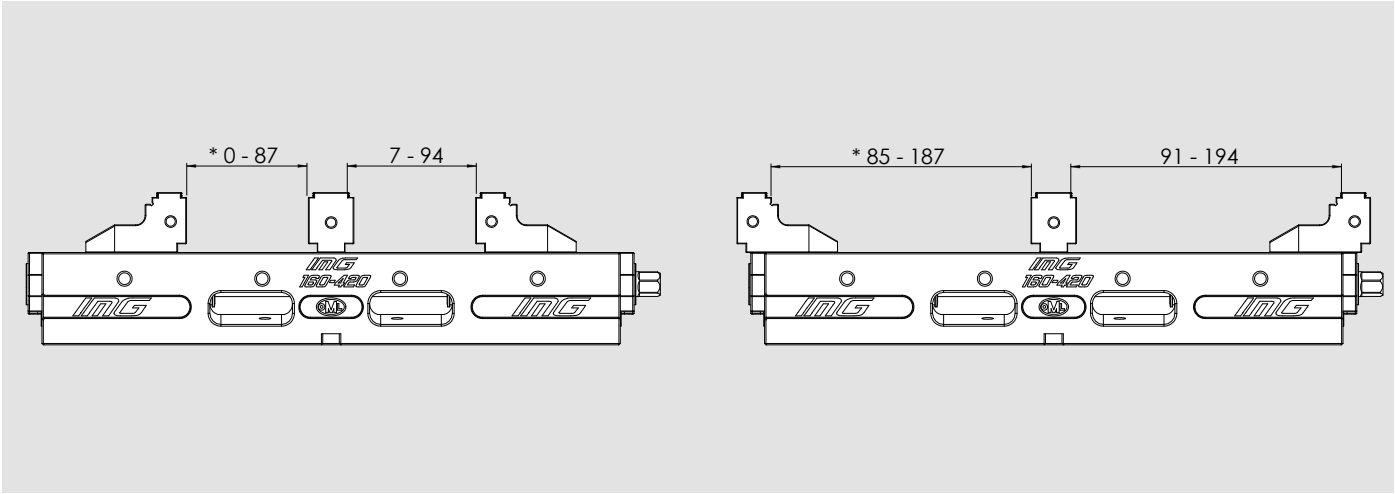


Type	Id. No.	Weight
IMG 160 - 420 with SinterGrip jaws **STD**	77583621	32 Kg
IMG 160 - 420 with SinterGrip jaws **ALU**	77583622	32 Kg
IMG 160 - 420 with SinterGrip jaws **HRC**	77583623	32 Kg
IMG 160 - 420 with SinterGrip jaws **PLM** (for polymer materials)	77583626	32 Kg
IMG 160 - 420 **Basic**	77583624	32 Kg
IMG 160 - 420 body only	77583602	27 Kg

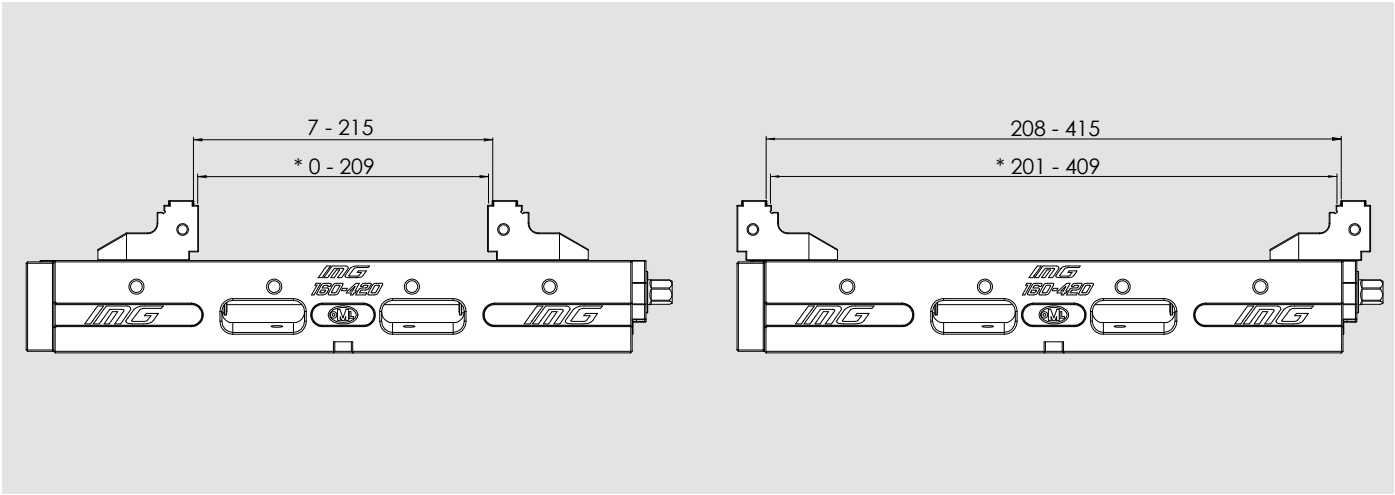
Self-centering



Double Clamping



Fixed



* Opening with smooth jaws

Valid dimensions for both SinterGrip and Basic type

IMG

ACCESSORIES

Extension element



Applications / Customer Benefits

- Ideal for 5 axis machines
- Compact design
- Possibility to be mounted directly on machine tools with T slots
- Possibility to be mounted directly on single plate

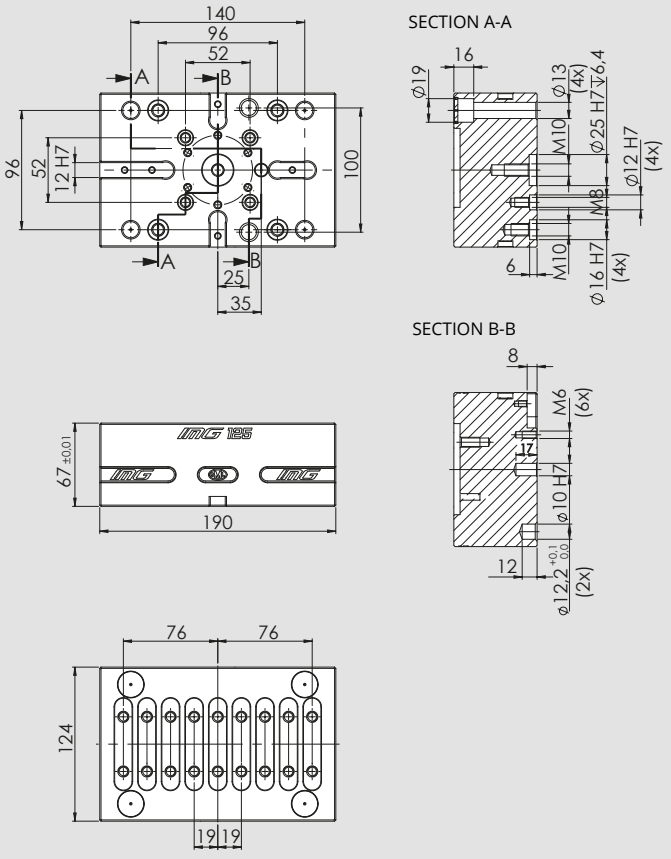
Technical features

- Material: steel

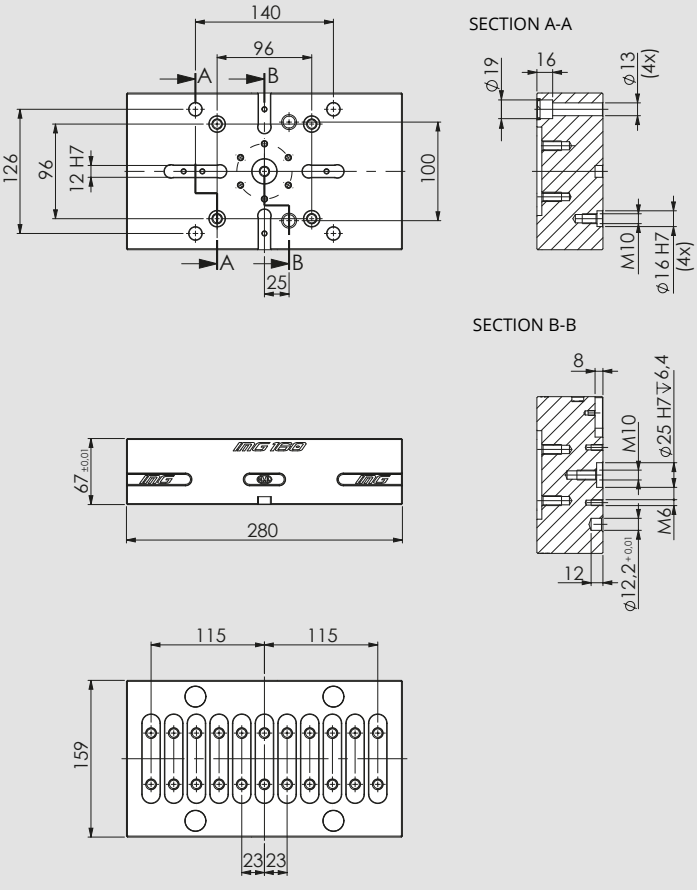
Standard equipment

On request: Positioning keys for IMG / APS pins / Positioning keys for machine tool

IMG 125

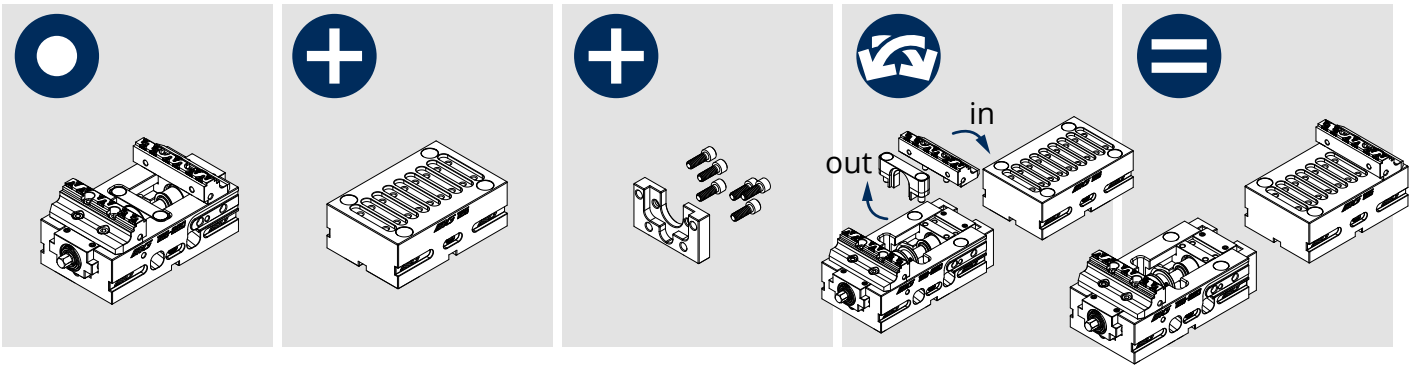


IMG 160



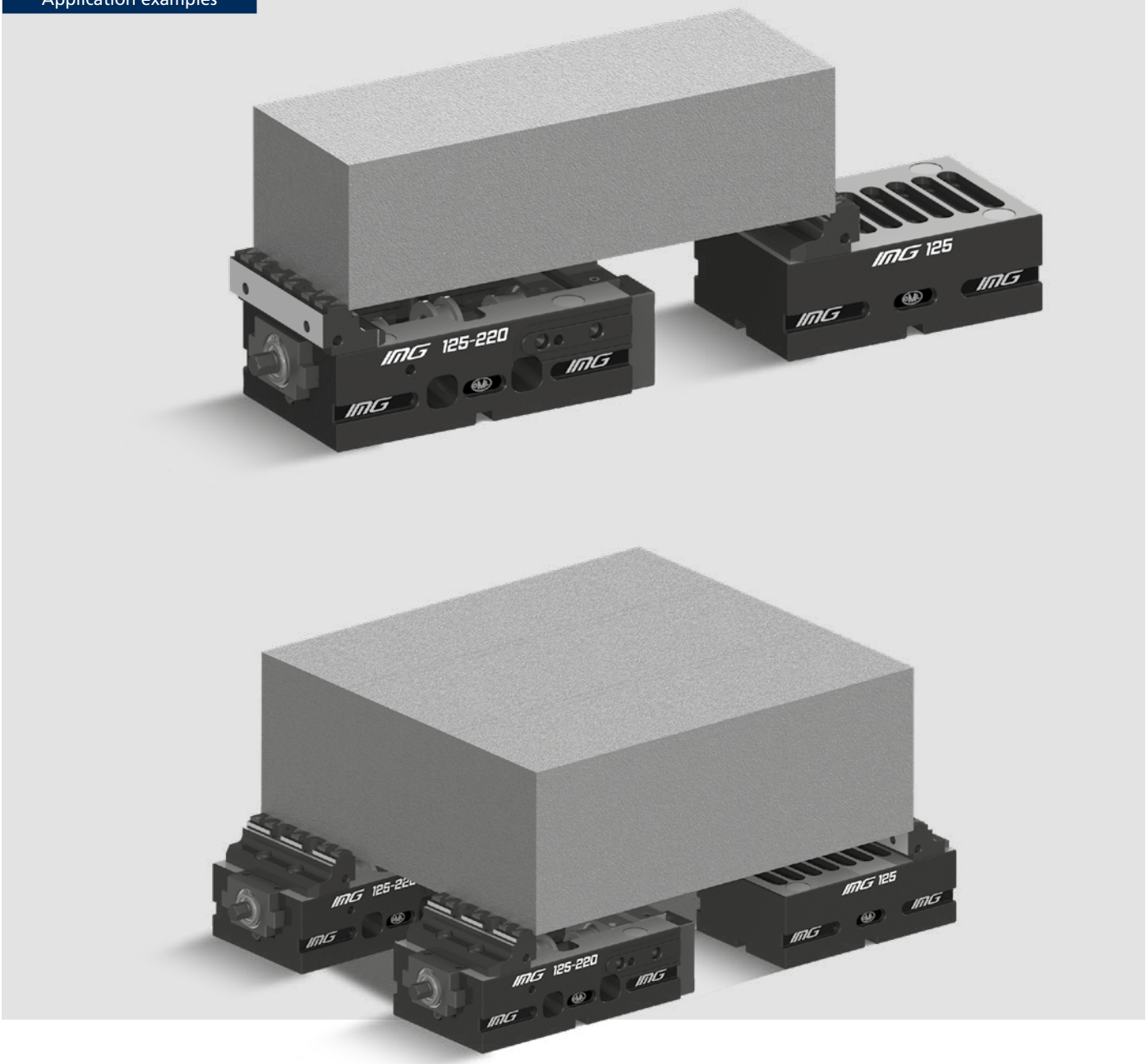
Type	Id. No.
IMG 125	58352119
IMG 160	58362119

The advantages of modularity

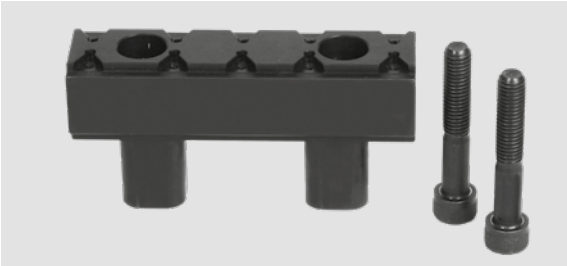


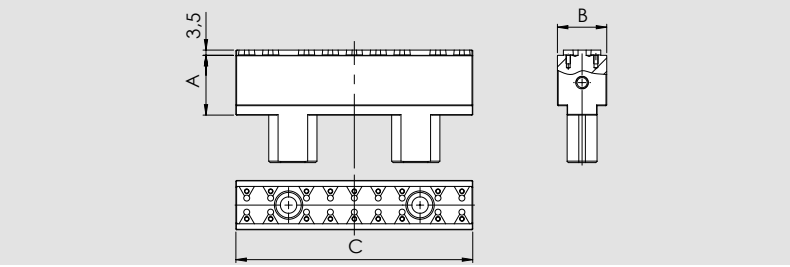
Start | Add | Add | Combine | Result

Application examples



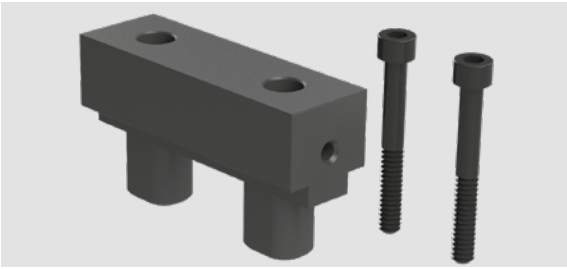
Double clamping jaw (SinterGrip not included, to be specified when ordering)

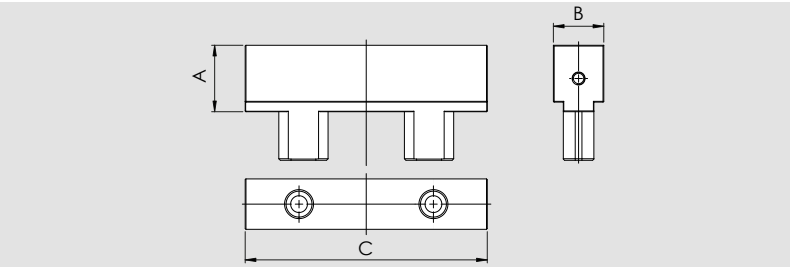




Type	Id. No.	A	B	C	n. seats
IMG 88	58341719	25	28	87,5	8
IMG 88 H1	58341769	15	28	87,5	8
IMG 125	58351719	30	33	123,5	10
IMG 125 H1	58351769	19	33	123,5	10
IMG 160	58361719	40	33	158,5	18

Double clamping smooth jaw

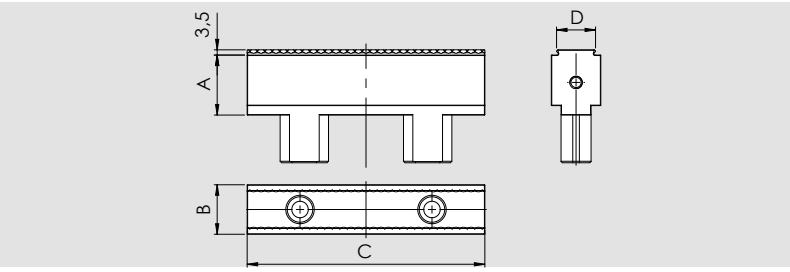




Type	Id. No.	A	B	C
IMG 88	58341739	28,5	28	87,5
IMG 125	58351739	33,5	33	123,5
IMG 160	58361739	43,5	33	158,5

Double clamping jaw BASIC





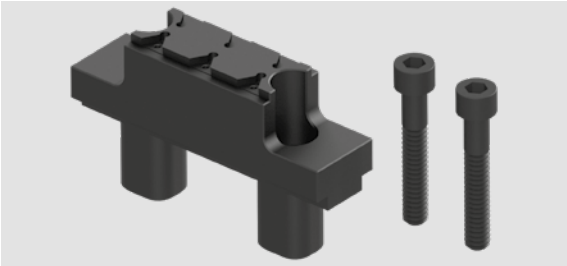
Type	Id. No.	A	B	C	D
IMG 88	58341759	25	28	87,5	21
IMG 88 H1	58341779	15	28	87,5	21
IMG 125	58351759	30	33	123,5	26
IMG 125 H1	58351779	19	33	123,5	26
IMG 160	58361759	40	33	158,5	26

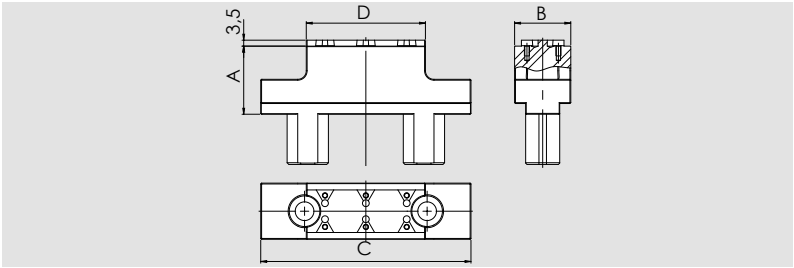
Retainer plate



Type	Id. No.
IMG 88	58341019
IMG 125 - 180	58351039
IMG 125 - 220 / 320	58351019
IMG 160	58361019

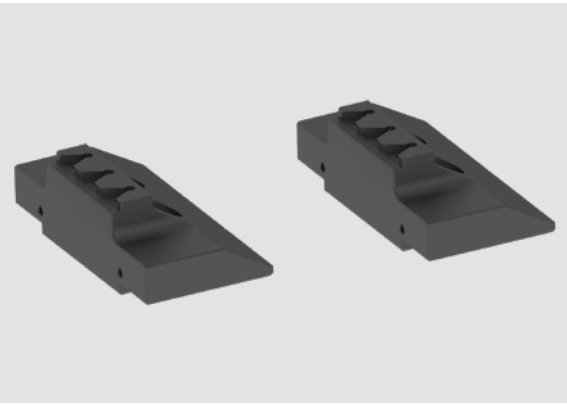
Reduced double clamping jaw (SinterGrip not included, to be specified when ordering)

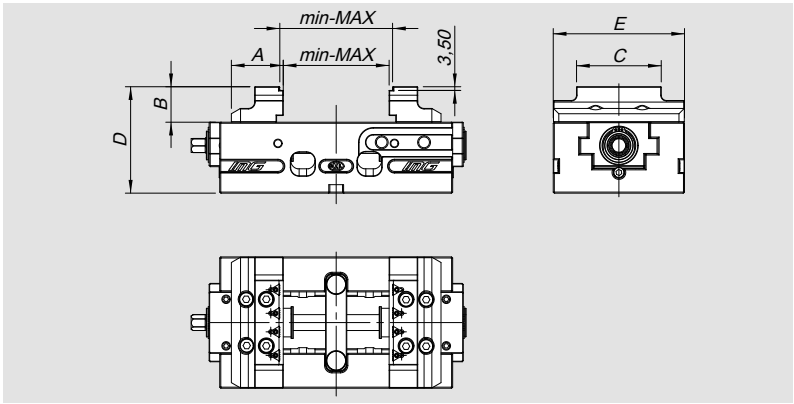




Type	Id. No.	A	B	C	D	n. seats
IMG 88	58341729	35	28	87,5	48	4
IMG 125	58351729	40	33	123,5	70	6
IMG 160	58361729	50	33	158,5	82	10

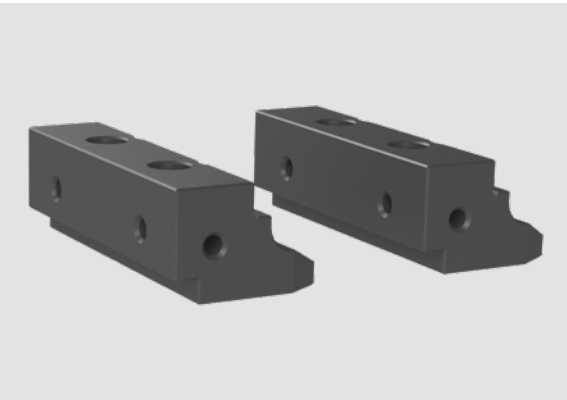
Pair of reduced jaws - SinterGrip not included, to be specified when ordering

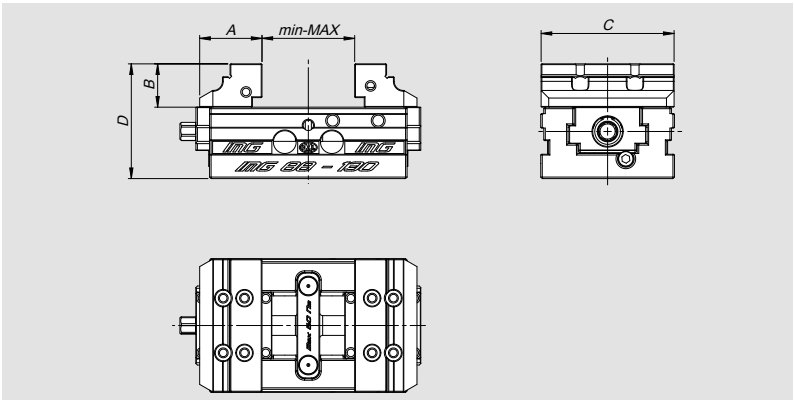




Type	Id. No.	A	B	C	D	E	min.	max.	n. seats
IMG 88-130 / V5 88-130	58341519	35	38,5	48	85,5	87,5	0 - 7	61 - 67	2
IMG 88-230	58341519	35	38,5	48	85,5	87,5	0 - 7	161 - 167	2
IMG 125-180 / V5 125-180	58351519	49	43,5	74	110,5	123,5	0 - 7	97 - 103	4
IMG 125-220	58351519	49	43,5	74	110,5	123,5	0 - 7	99 - 105	4
IMG 125-320	58351519	49	43,5	74	110,5	123,5	0 - 7	159 - 165	4
IMG 160-270	58361519	73	53,5	82	120,5	158,5	0 - 7	129 - 135	5
IMG 160-420	58361519	73	53,5	82	120,5	158,5	0 - 7	209 - 215	5

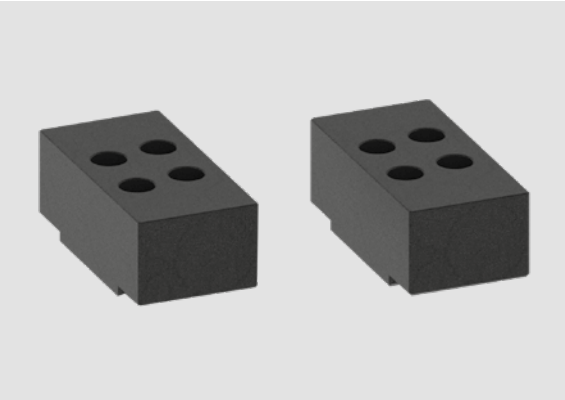
Pair of smooth jaws

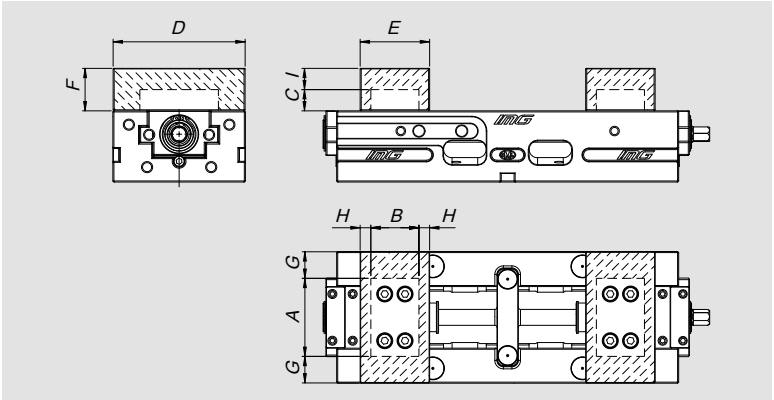




Type	Id. No.	A	B	C	D	min-max
IMG 88 / V5 88	58341819	41	28,5	87,5	74,5	see page 5.1.**11** - 5.1.**13**
IMG 125 / V5 125	58351819	49	33,5	123,5	100,5	see page 5.1.**15** - 5.1.**17** - 5.1.**19**
IMG 160	58361819	73	43,5	158,5	110,5	see page 5.1.**21** - 5.1.**23**

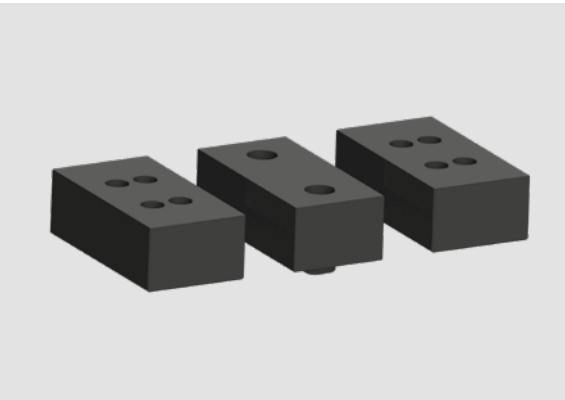
Pair of soft jaws (soft steel – ALU)

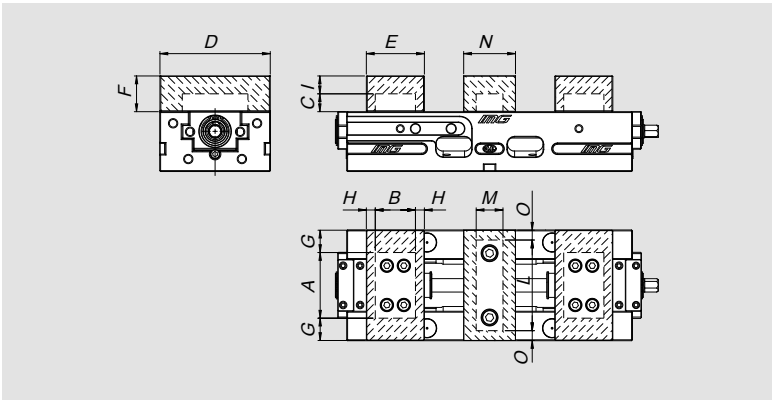




Type		Id. No.	A	B	C	D	E	F	G	H	I
IMG 88 / V5 88	ALU	58341619	57,5	32	17	87,5	45	40	15	6,5	23
IMG 88 / V5 88	Fe	58341629	57,5	32	17	87,5	45	40	15	6,5	23
IMG 125 / V5 125	ALU	58359519	73,5	45	20	123,5	65	40	25	10	20
IMG 125 / V5 125	Fe	58359619	73,5	45	20	123,5	65	40	25	10	20
IMG 160	ALU	58369519	88,5	52	27	158,5	85	50	35	16,5	23
IMG 160	Fe	58369619	88,5	52	27	158,5	85	50	35	16,5	23

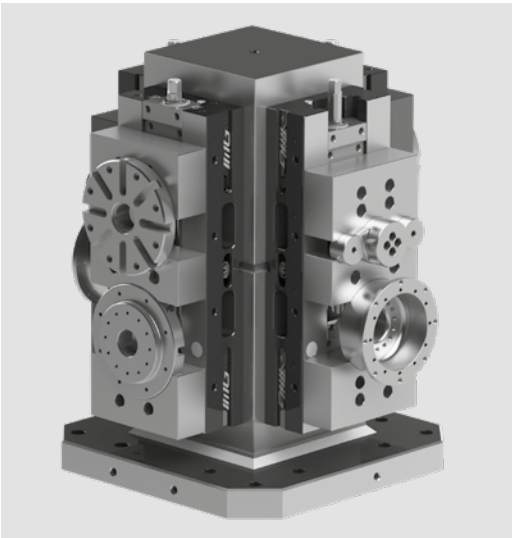
Set of soft jaws for double clamping





Type		Id. No.	A	B	C	D	E	F	G	H	I	L	M	N	O
IMG 88	ALU	58349519	57,5	32	17	87,5	45	40	15	6,5	23	73,5	23	48	7
IMG 88	Fe	58349619	57,5	32	17	87,5	45	40	15	6,5	23	73,5	23	48	7
IMG 125	ALU	58359519	73,5	45	20	123,5	65	40	25	10	20	101,5	30	58	11
IMG 125	Fe	58359619	73,5	45	20	123,5	65	40	25	10	20	101,5	30	58	11
IMG 160	ALU	58369519	88,5	52	27	158,5	85	50	35	16,5	23	120,5	30	60	19
IMG 160	Fe	58369619	88,5	52	27	158,5	85	50	35	16,5	23	120,5	30	60	19

Application example



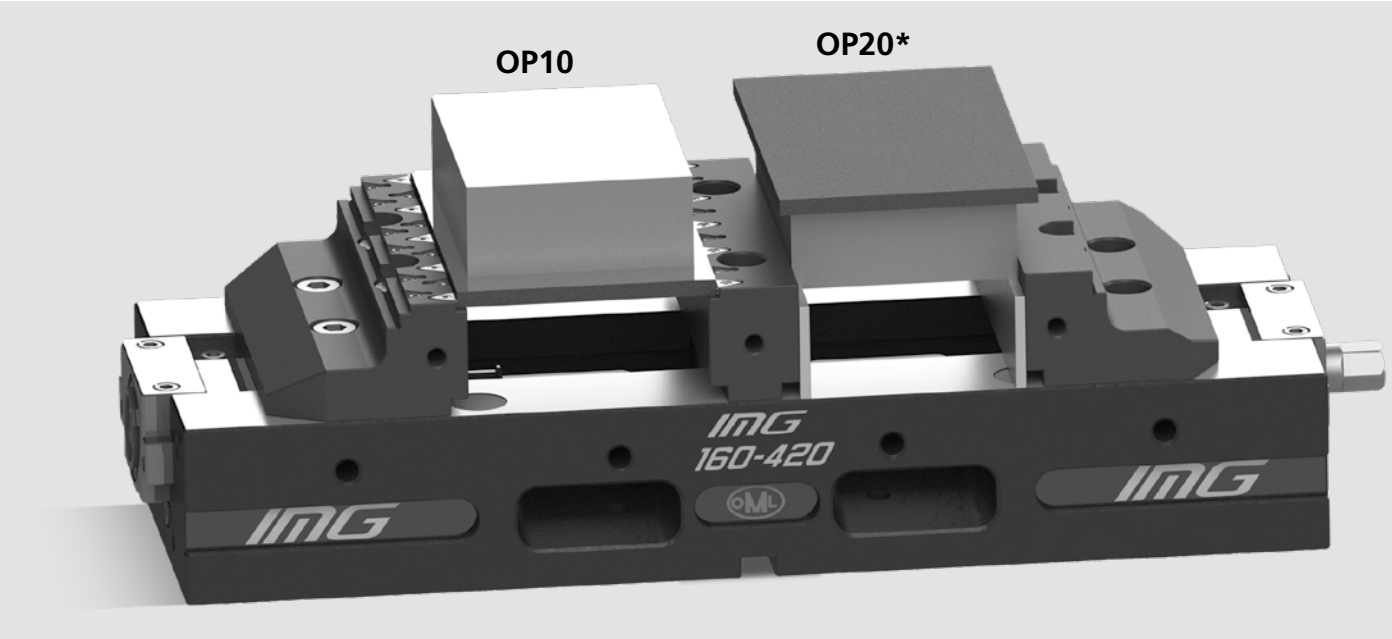
OP10 - OP20 Kit double clamping



- One pair OP20 parallel H included
- SinterGrip not included, to be specified when ordering

Type	Id. No.	Parallels H
IMG 88	58349719	20
IMG 125	58359719	25
IMG 160	58369719	35

Application example



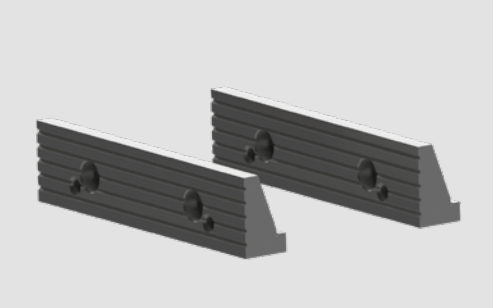
*** OP20** with smooth jaws and parallels CLAK System.

Pair of supports with pull down jaws



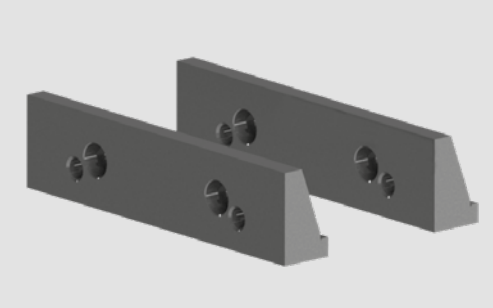
Type	Id. No.	Weight (Kg)
IMG 125	58351419	4,100
IMG 160	58361419	8,300

Pair of grooved jaws



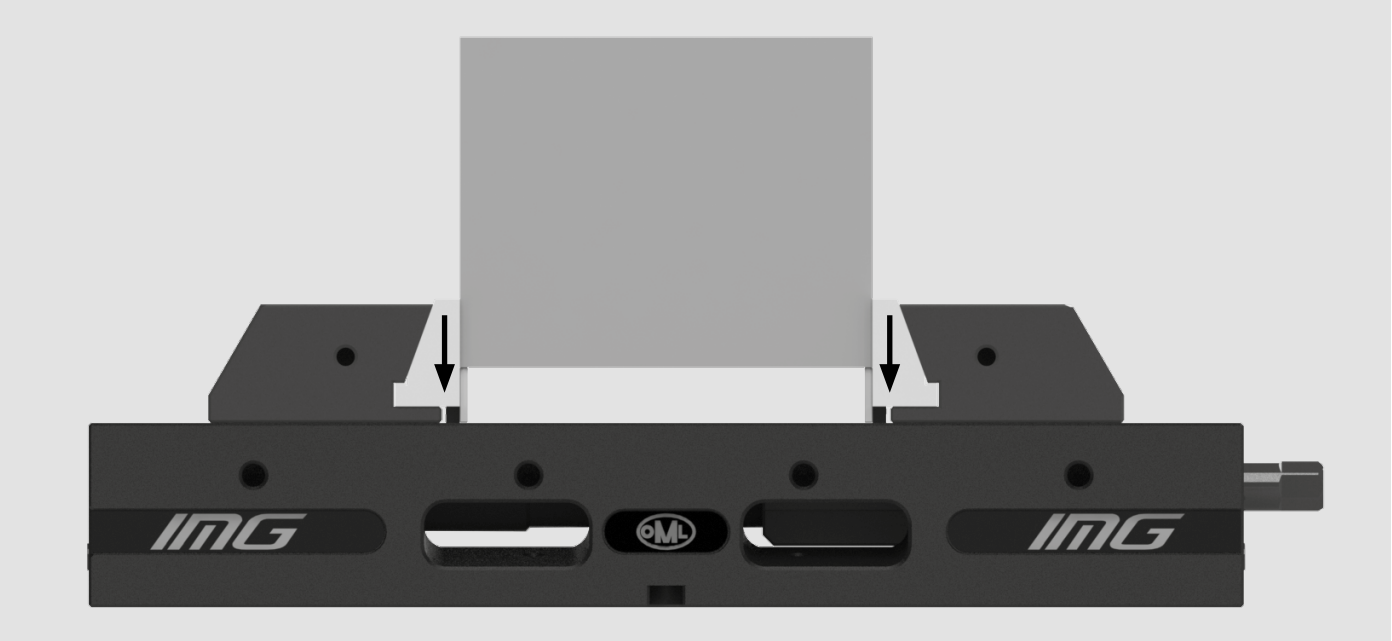
Type	Id. No.	Weight (Kg)
IMG 125	58351425	0,600
IMG 160	58361425	1,400

Pair of smooth jaws

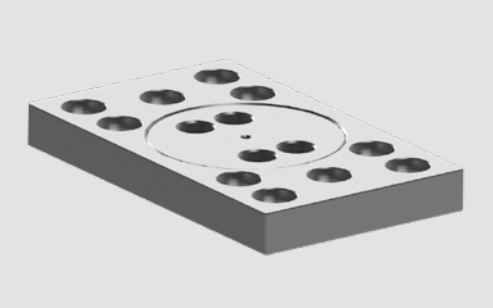


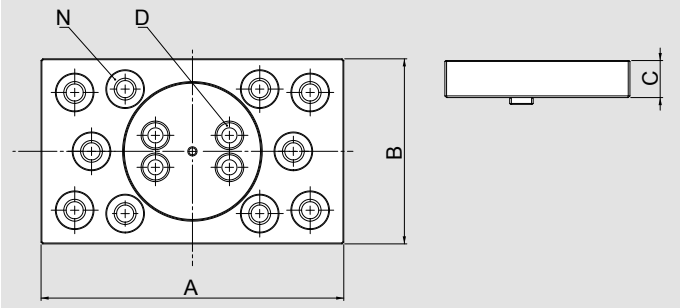
Type	Id. No.	Weight (Kg)
IMG 125	58351415	0,600
IMG 160	58361415	1,450

Application example



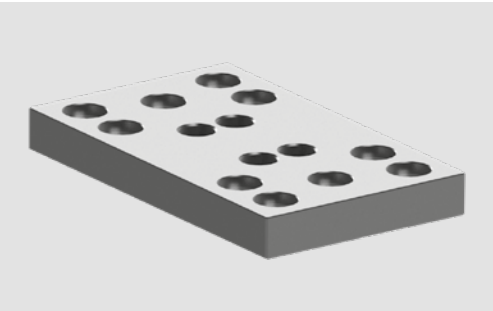
Floating jaw gripper

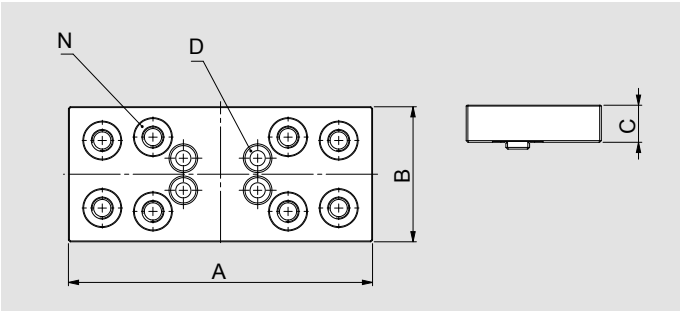




Type	Id. No.	A (mm)	B (mm)	D (mm)	N	C (mm)	Weight (Kg)
IMG 125	58352520	180	110	M8	10	22	3,100
IMG 160	58362520	200	120	M10	10	22	2,700

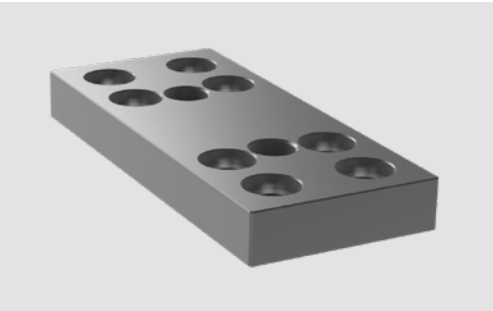
Fixed/movable jaw gripper

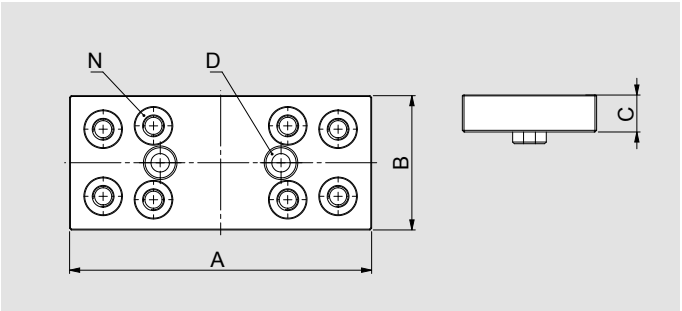




Type	Id. No.	A (mm)	B (mm)	D (mm)	N	C (mm)	Weight (Kg)
IMG 125	58352510	180	80	M10	8	22	2,300
IMG 160	58362510	200	120	M10	8	22	3,700

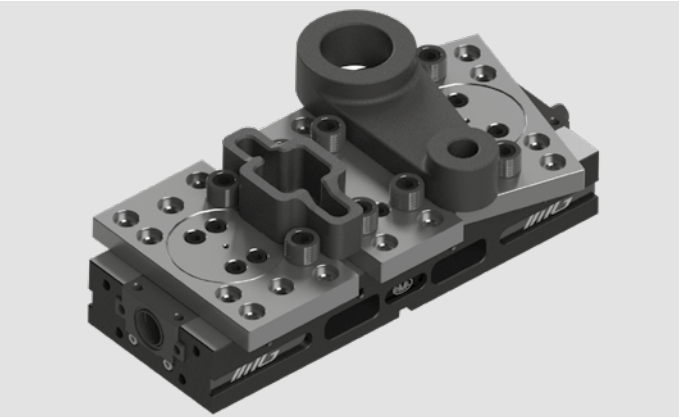
Fixed jaw for double clamping gripper

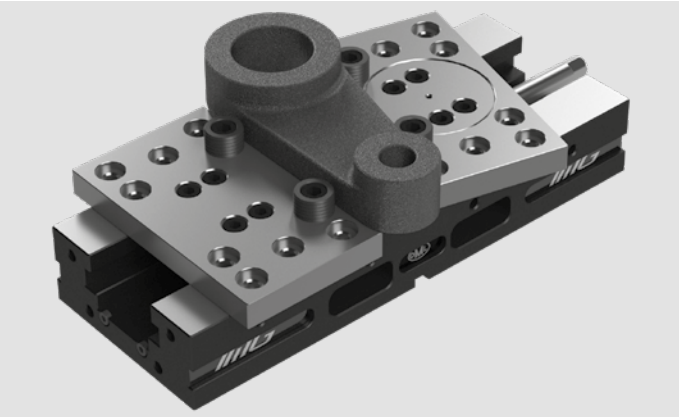




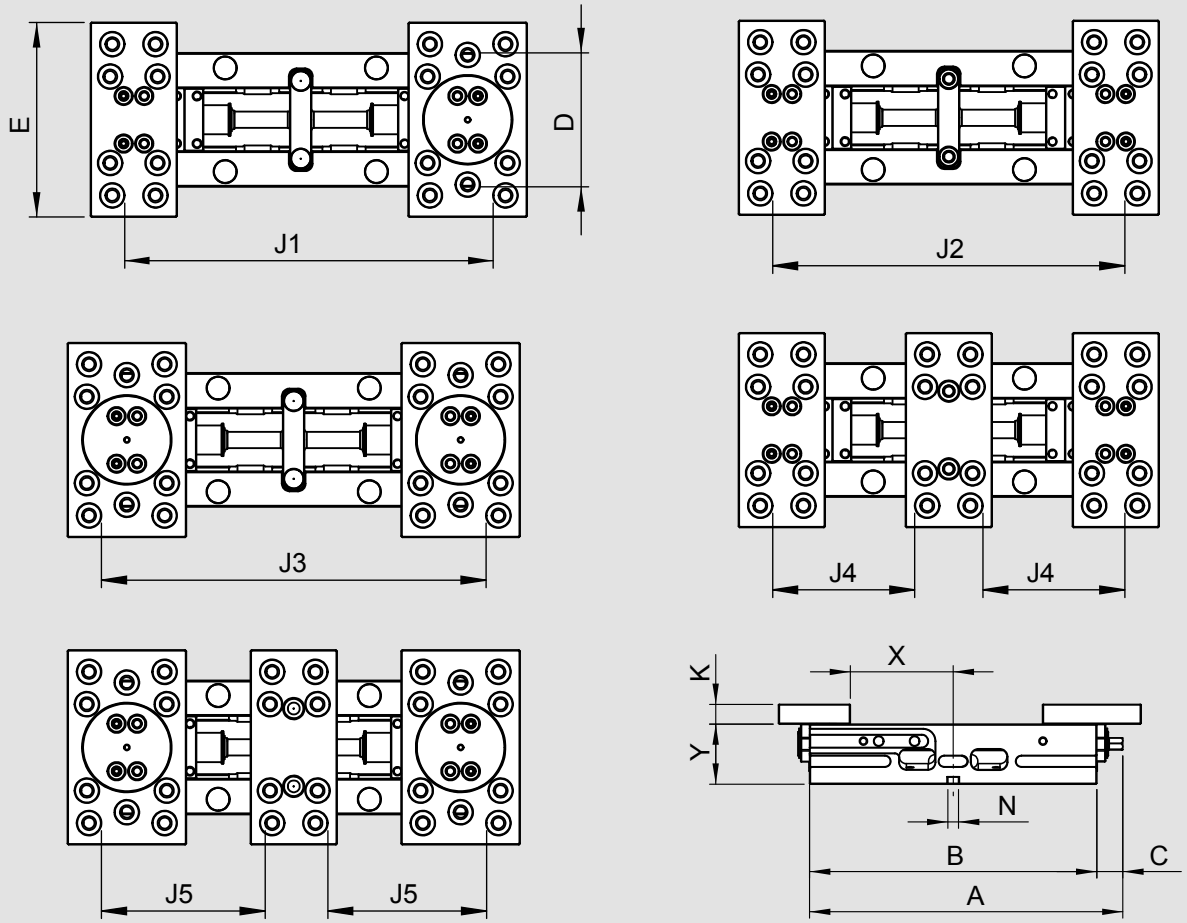
Type	Id. No.	A (mm)	B (mm)	D (mm)	N	C (mm)	Weight (Kg)
IMG 125	58352530	180	80	M8	8	22	2,300
IMG 160	58362530	200	90	M10	10	22	2,900

Application example



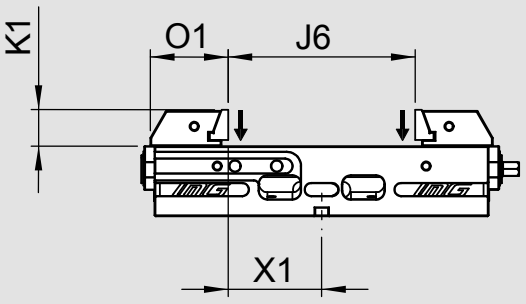


Floating jaws dimensions



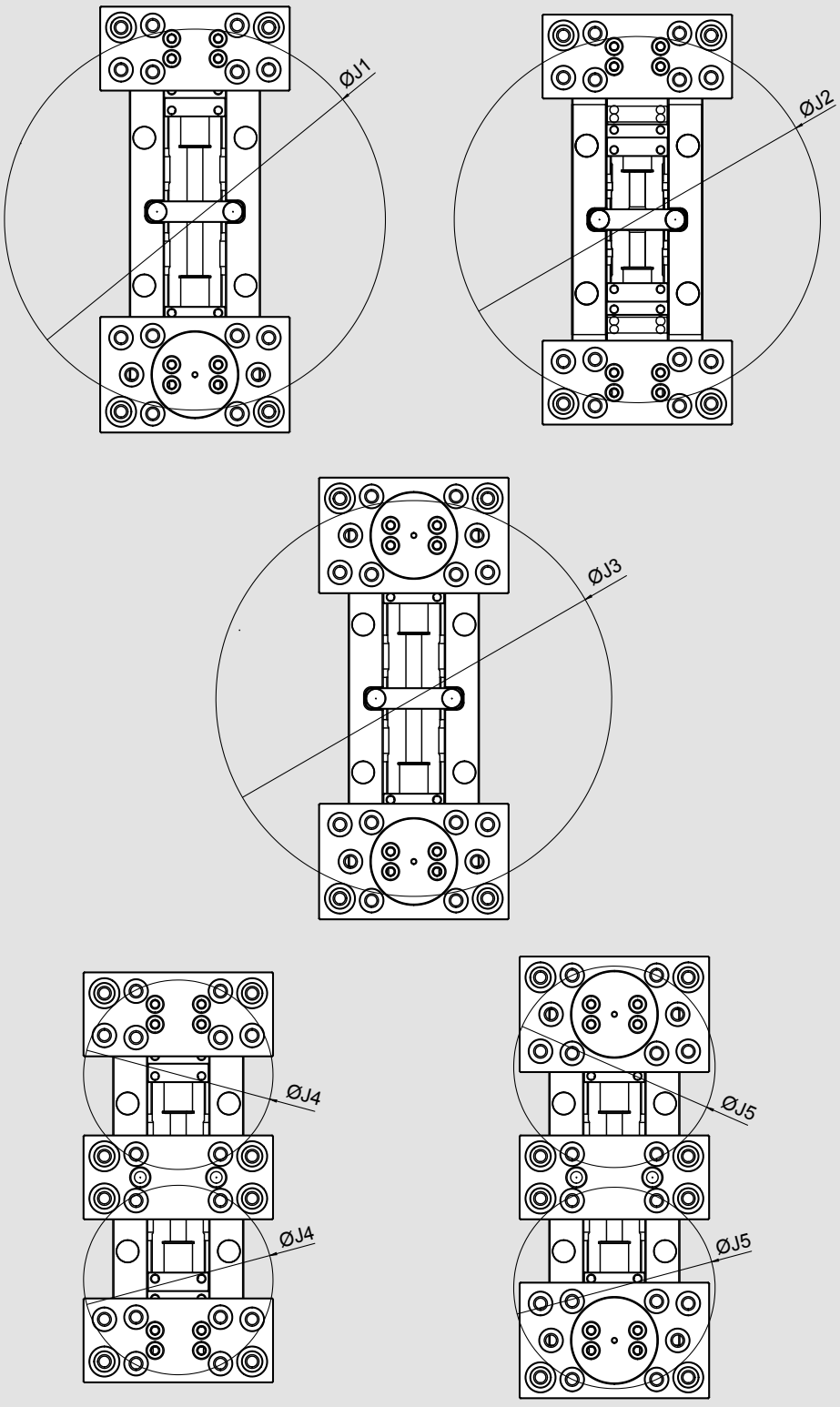
Type	A	B	C	D	E	K	N	X	Y	J1	J2	J3	J4	J5
IMG 125-220	247	220	27	124	180	22	12	54	67	215	200	230	65,5	X
IMG 125-320	349	320	29	124	180	22	12	115	67	335	349	350	125,5	140,5
IMG 160-270	299	270	29	159	200	22	12	59,5	67	290	290	290	105,5	105,5
IMG 160-420	449	420	29	160	200	22	12	150	67	448	448	448	184,5	184,5

Pull down jaws dimensions



Type	K1	O1	X1	J6
IMG 125-180	35	74,4	57.5	115
IMG 125-220	35	74,4	59,5	119
IMG 125-320	35	74,4	119,5	239
IMG 160-270	45	91,5	76	152
IMG 160-420	45	91,5	155	310

Maximum diameters of floating jaws

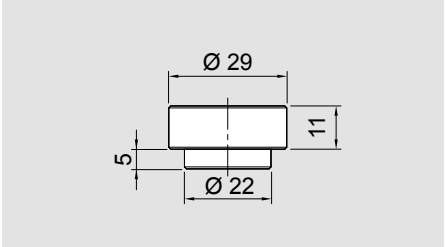


Type	Ø J1	Ø J2	Ø J3	Ø J4	Ø J5
IMG 125-220	252	239	265	122	X
IMG 125-320	360	347	375	179	190
IMG 160-270	327	327	327	180	180
IMG 160-420	441	441	441	224	224

Set of 4 grippers h11 smooth



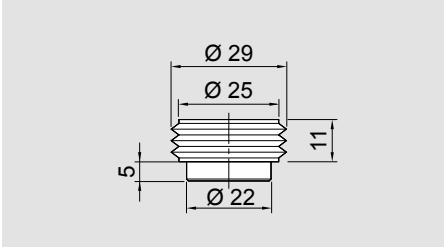
Id. No.
58906114



Set of 4 grippers h11 serrated



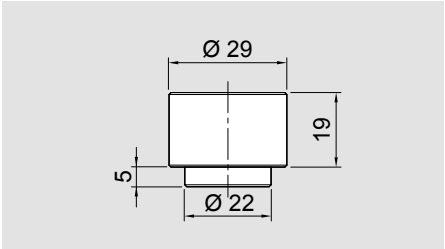
Id. No.
58906124



Set of 4 grippers h19 smooth



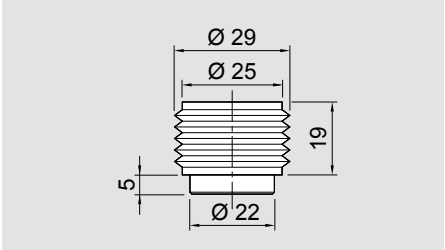
Id. No.
58906214



Set of 4 grippers h19 serrated



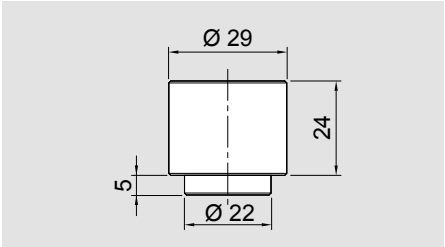
Id. No.
58906224



Set of 4 grippers h24 smooth



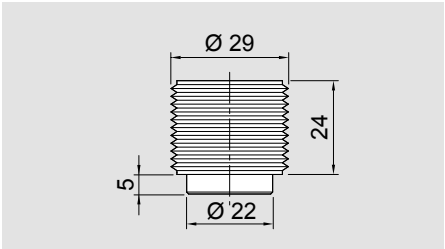
Id. No.
58906314

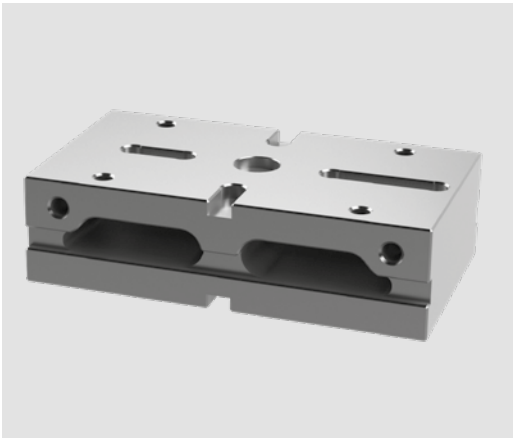


Set of 4 grippers h24 serrated



Id. No.
58906324





Applications / Customer Benefits

- Ideal for 5 axis machines
- Compact design
- Possibility to be mounted directly on machine tools with T slots
- Possibility to be mounted directly on single plate or DUO APS (pitch 200)

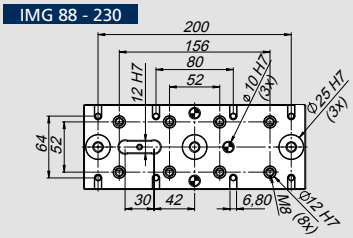
Technical features

- Material: steel

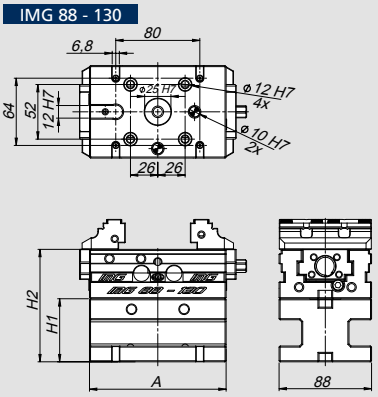
Standard equipment

On request: Positioning keys for IMG / APS pins / Positioning keys for machine tool

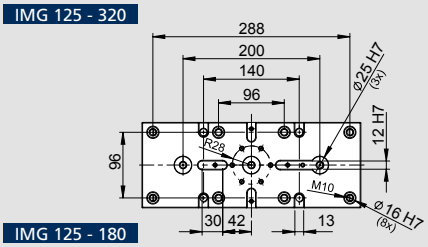
IMG 88 - 230



IMG 88 - 130

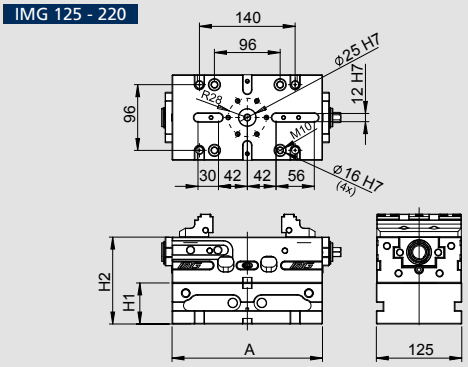


IMG 125 - 320

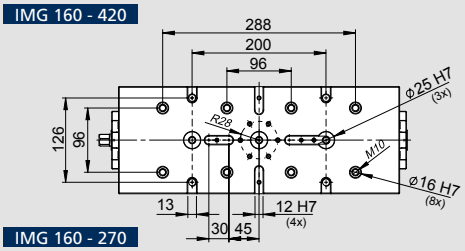


IMG 125 - 180

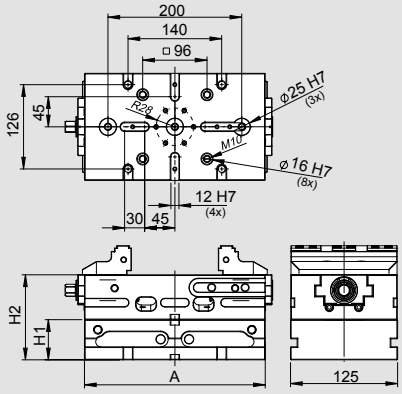
IMG 125 - 220



IMG 160 - 420

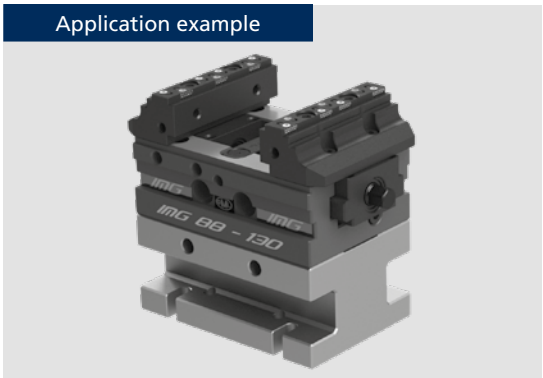


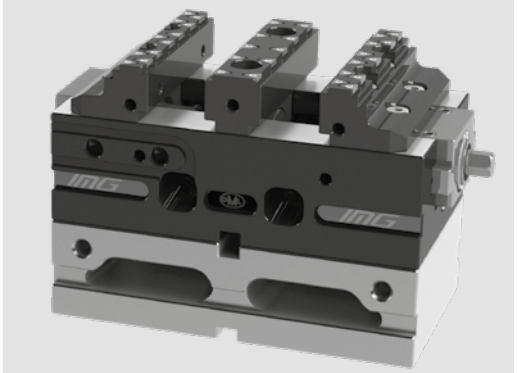
IMG 160 - 270

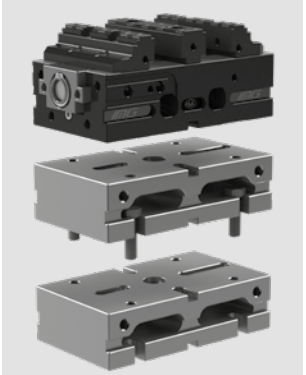


Type	Id. No.	H1	H2	A	Weight
For IMG 88 - 130	58342018	60	107	130	4 Kg
For IMG 88 - 130	58342028	100	207	130	6 Kg
For IMG 88 - 130	58342019	60	107	230	5 Kg
For IMG 88 - 230	58342029	100	207	230	7 Kg
For IMG 125 - 180	58352017	60	124	180	8 Kg
For IMG 125 - 180	58352027	100	147	180	12 Kg
For IMG 125 - 220	58352018	60	127	220	10 Kg
For IMG 125 - 220	58352028	100	167	220	15 Kg
For IMG 125 - 320	58352019	60	127	320	15 Kg
For IMG 125 - 320	58352029	100	167	320	21 Kg
For IMG 160 - 270	58362018	60	127	270	17 Kg
For IMG 160 - 270	58362028	100	167	270	25 Kg
For IMG 160 - 420	58362019	60	127	420	26 Kg
For IMG 160 - 420	58362029	100	167	420	38 Kg

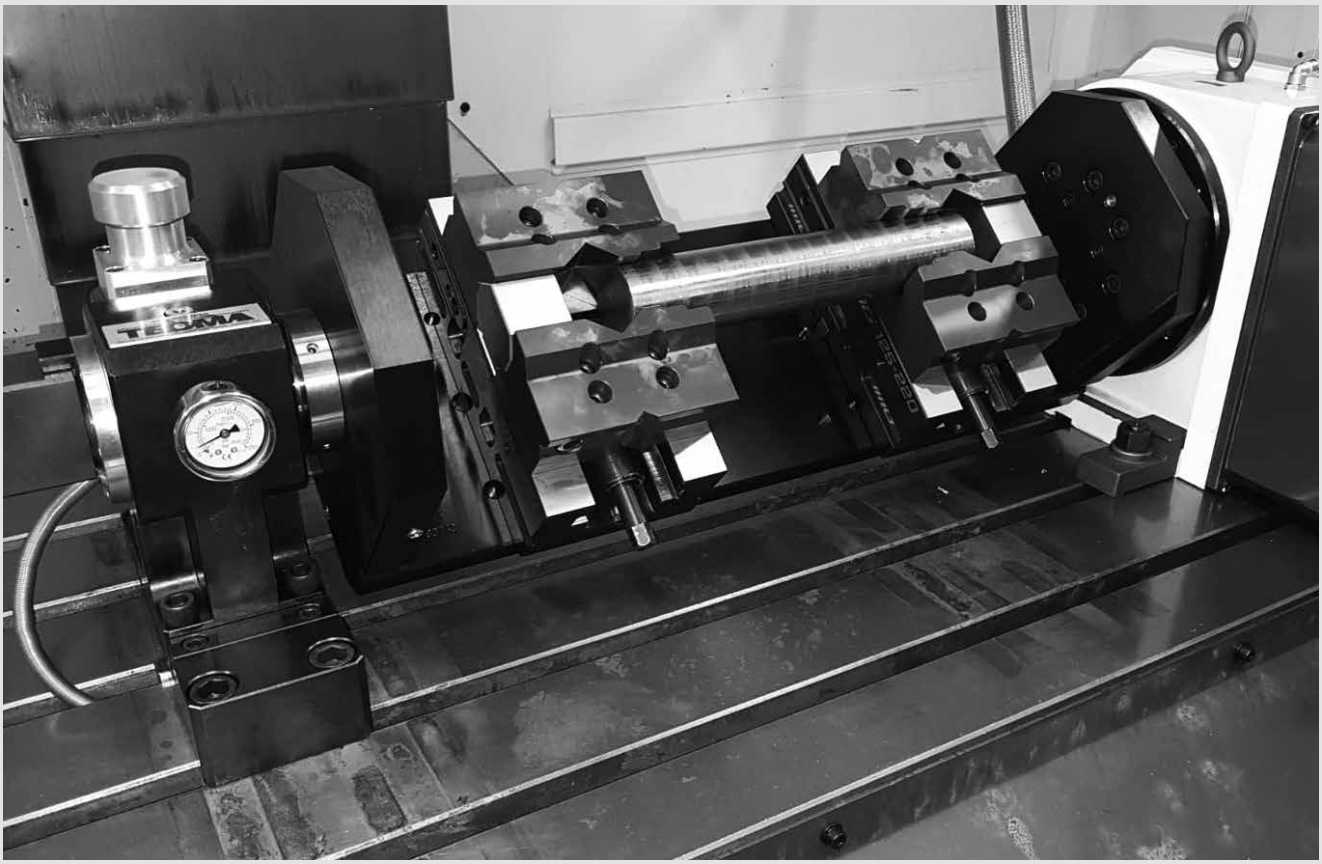
Application example





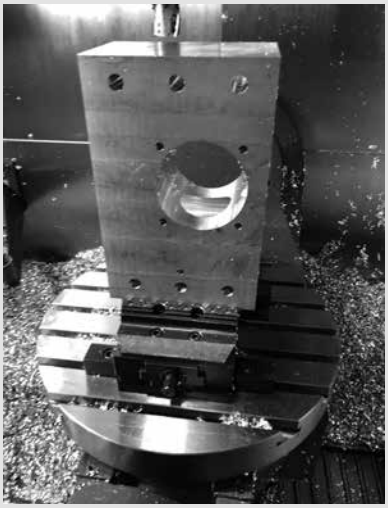


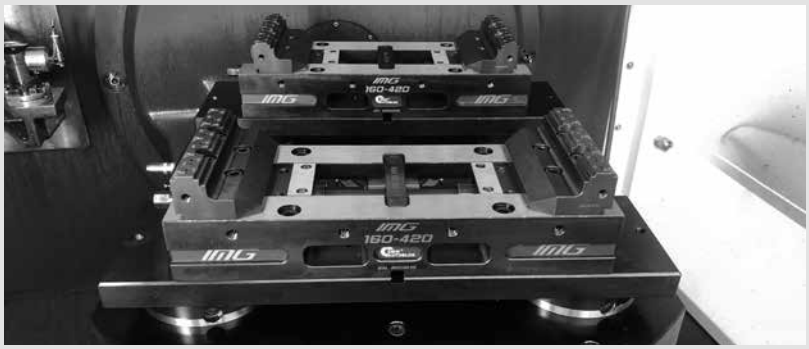
Working examples

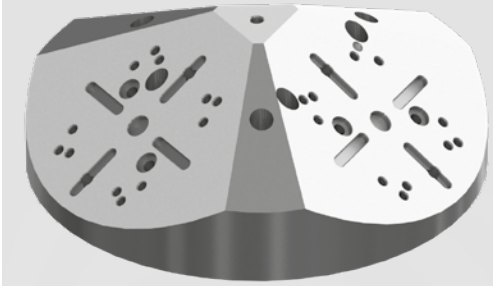












Applications / Customer Benefits

- Ideal for 5 axis machines
- Compact design
- Possibility to be mounted directly on machine tools with radial slots at 45 / 60 degrees
- Possibility to be mounted directly on APS Zero Point system and Plus5

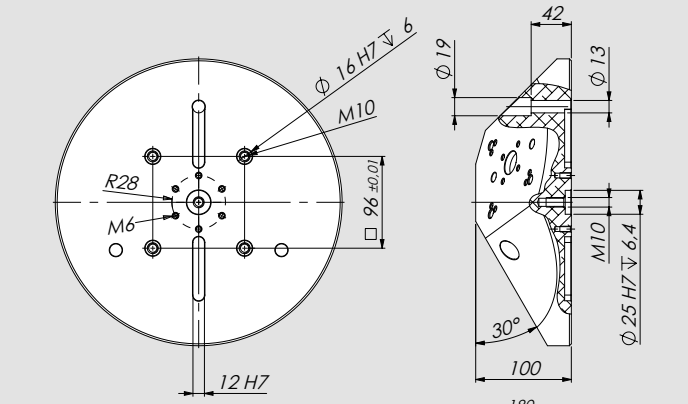
Technical features

- Material: ALU

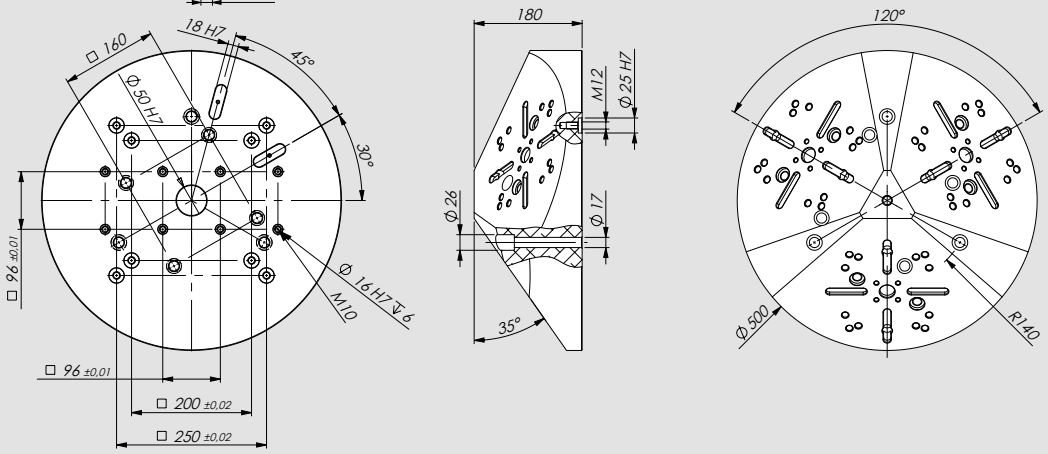
Standard equipment

Positioning keys and screws for IMG, V5 and E5 vises
Pins and screws

IMG 88 - 130
V5 88 - 130
E5 88 - 130
PLUS 5 - 52

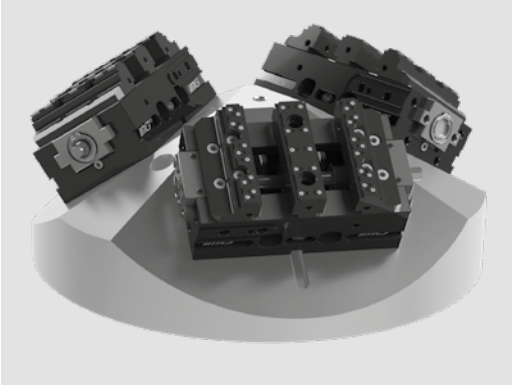


IMG 125 - 180
IMG 125 - 220
V5 125 - 180
E5 125 - 180
PLUS 5 - 96

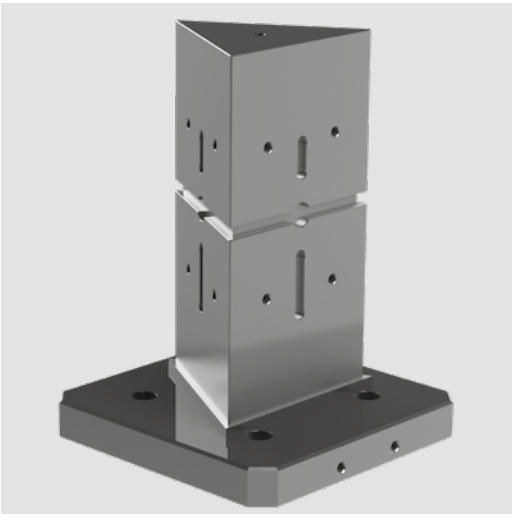


Type	Id. No.	Weight (Kg)
For IMG, V5, E5 88-130 and PLUS 5 - 52	58343210	12
For IMG 125-180, IMG 125-220, V5, E5 125-180 and PLUS 5 - 96	58353210	55

Application example



Triangular tombstone for IMG 125-320



Applications / Customer Benefits

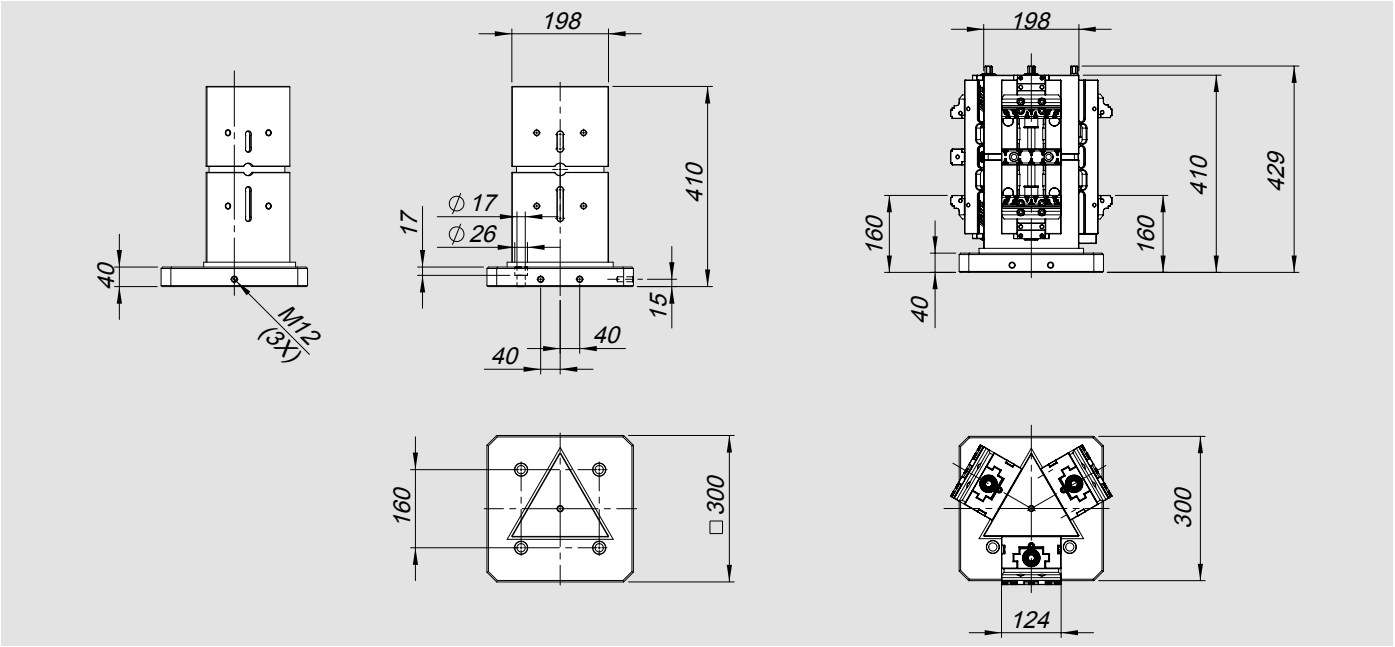
- Ideal for 5 axis machines
- Ideal for horizonal machines
- Compact design
- Wide clamping range

Technical features

- Material: steel

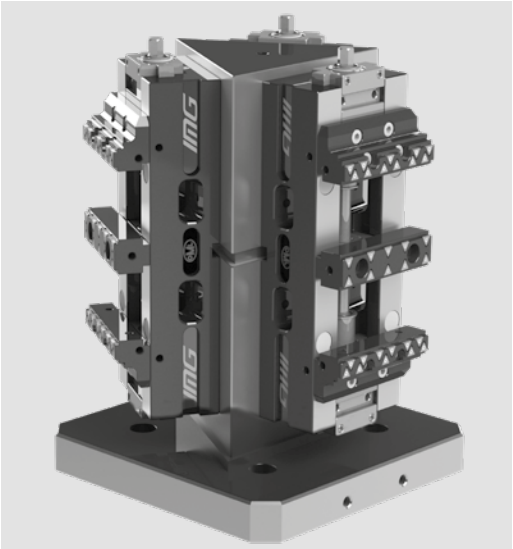
Standard equipment

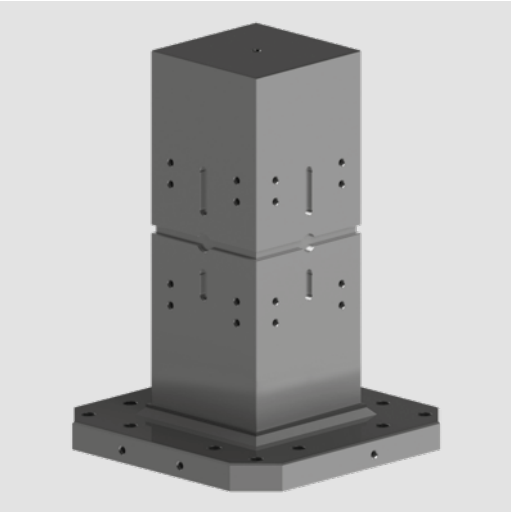
Steel tombstone



Type	Id. No.	Weight
Triangular tombstone for IMG 125-320	58353010	74 Kg

Application example





Applications / Customer Benefits

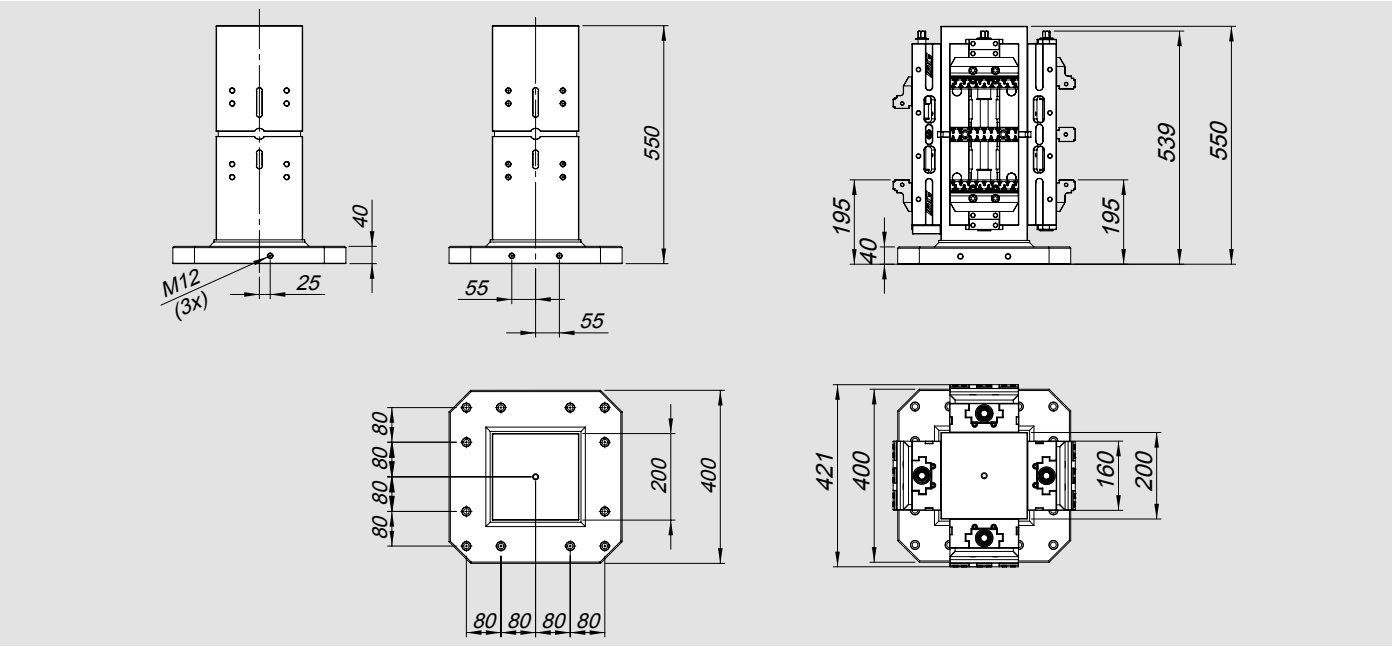
- Ideal for horizonal machines
- Compact design
- Wide clamping range

Technical features

- Material: steel

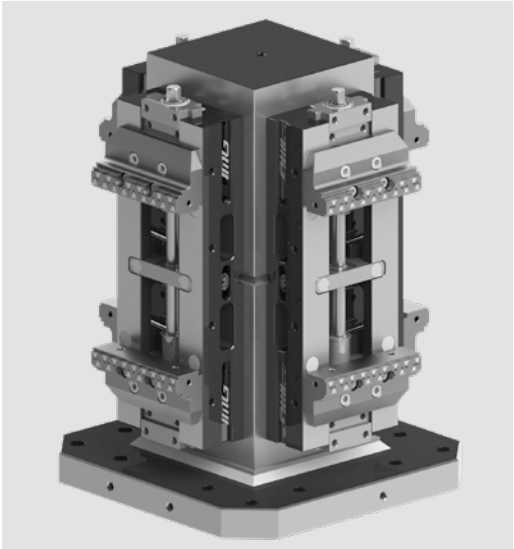
Standard equipment

Steel tombstone



Type	Id. No.	Weight
Tombstone for IMG 160-420	58363120	140 Kg

Application example



Clamping pins APS 140



Tipo A
centering pin

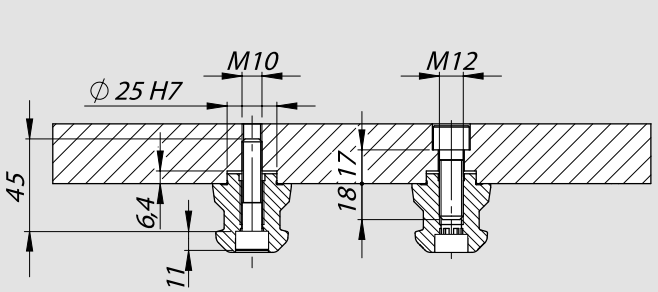


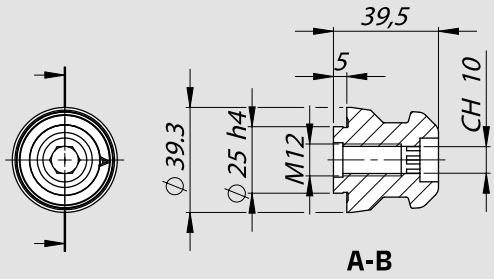
Tipo B
reference pin

Application/customer benefits
- Fixation and positioning on the clamping systems APS 140
- Wear-resistant due to an extra hard protective coating
- Large entry radii of the clamping pins for easy and safe loading

Technical features
- Centering pin Type A (Standard)
- Sword pin Type B (Positioning pin)

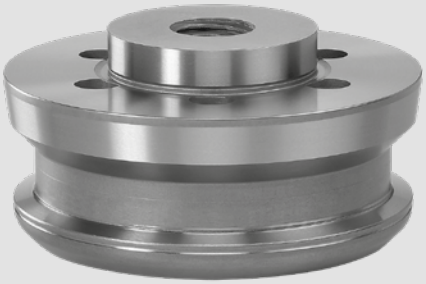
Standard equipment
Clamping pin with mounting screw M10x45





	Thread	Type A	Type B	Weight
Clamping pins APS 140	M12	46162355	46162356	0.3 Kg

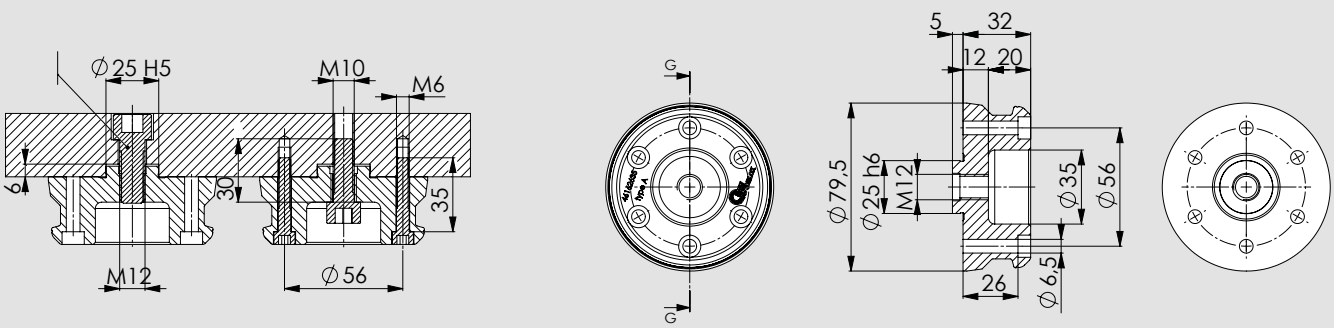
Clamping pins APS 190



Application/customer benefits
- Fixation and positioning on the clamping systems APS 190
- Large entry radii of the clamping pins for easy and safe loading

Technical features
- Centering pin Type A (Standard)

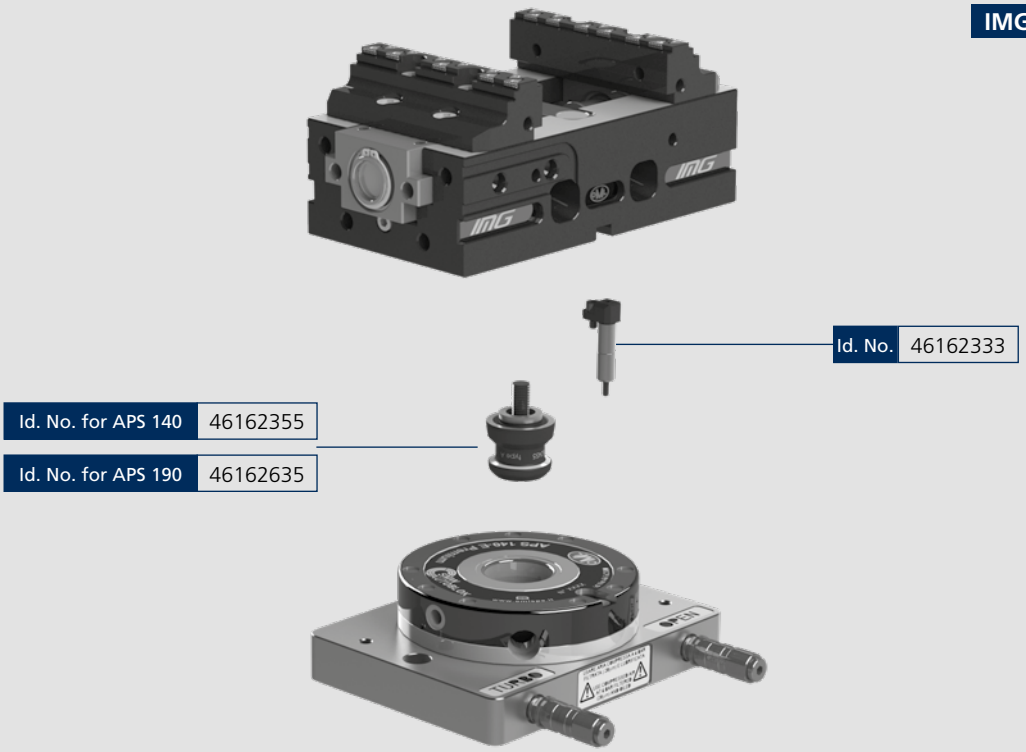
Standard equipment
Clamping pin with mounting screw M8x40 (6 pieces)



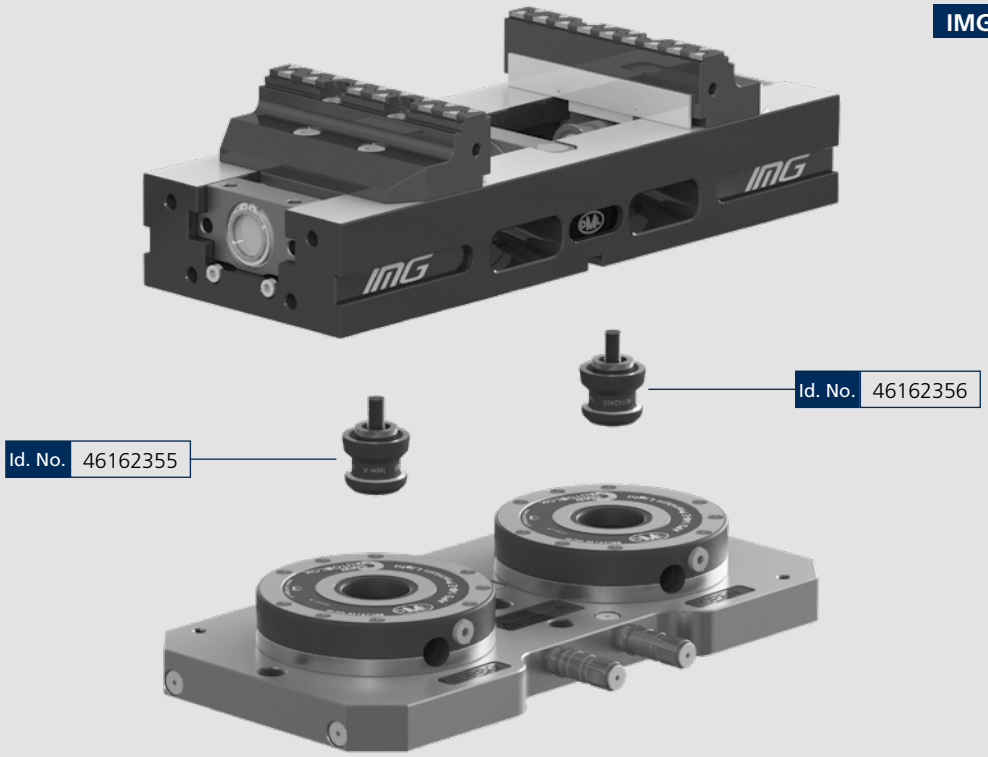
Id. No.	Type		Weight
46 16 26 35	A	Ø 25 = at pin APS-140 M12	0,85Kg

Application examples

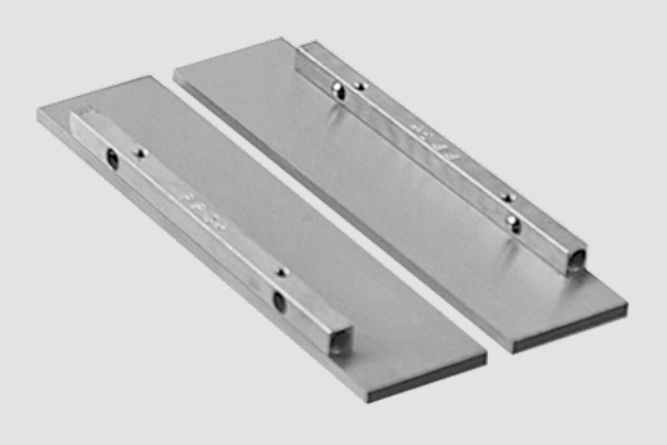
IMG 125

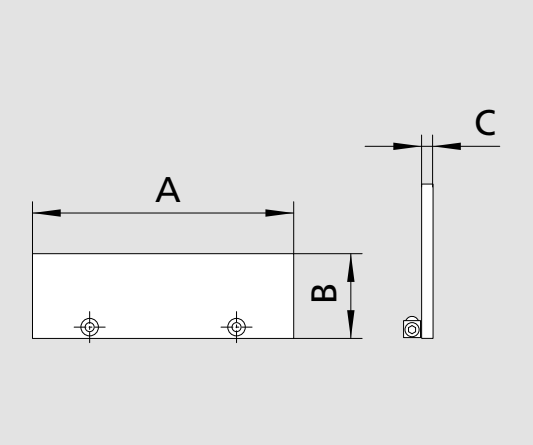


IMG 160



Quick change modular parallels

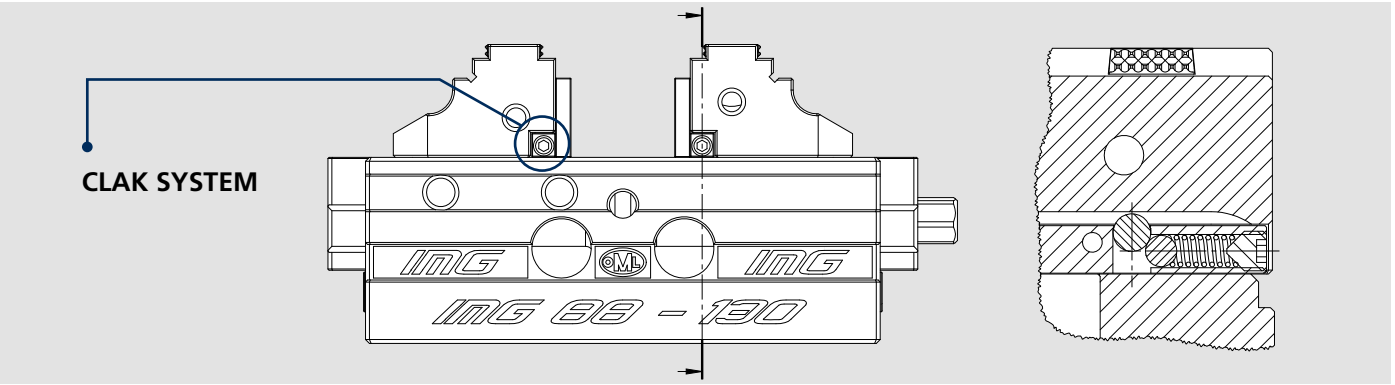




Type	Id. No.	B	A	C
For IMG 88	58343510	10	87	4
For IMG 88	58343515	15	87	4
For IMG 88	58343520	20	87	4
For IMG 88	58343525	25	87	4

Type	Id. No.	B	A	C
For IMG 125	58455115	15	124	4
For IMG 125	58455120	20	124	4
For IMG 125	58455125	25	124	4
For IMG 125	58455130	30	124	4
For IMG 160	58455315	15	159	4
For IMG 160	58455325	25	159	4
For IMG 160	58455335	35	159	4
For IMG 160	58455340	40	159	4

Application example



Torque Wrench



Type	Id. No.
IMG 88	51501026
IMG 125	51501021
IMG 160	51501022

Workstop



Type	Id. No.
IMG 88	58415030
IMG 125-160	58315020

Key for APS for single use (APS side)

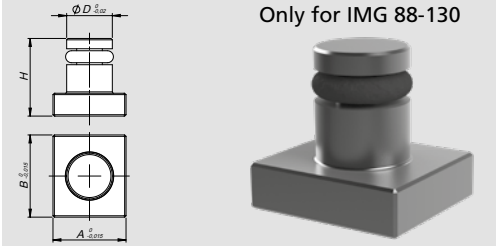


Type	Id. No.
APS 140 / 190	46162333

Pair of positioning keys for T Slot

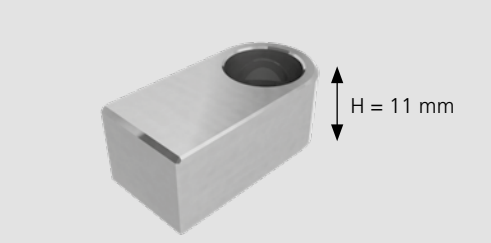


IMG 125 - 160	mm 12 - h6
mm 12 - h6	58351392
mm 14 - h6	58351393
mm 16 - h6	58351394
mm 18 - h6	58351395
mm 20 - h6	58351396
mm 22 - h6	58351397



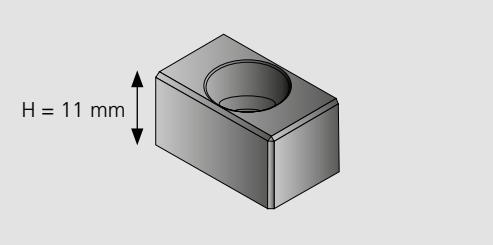
IMG 88 - 130	A	B	H	D
58341393	12	14	17	10
58341395	16	18	17	10

Key for single use on APS 140 for IMG 88-125 (vice body side)



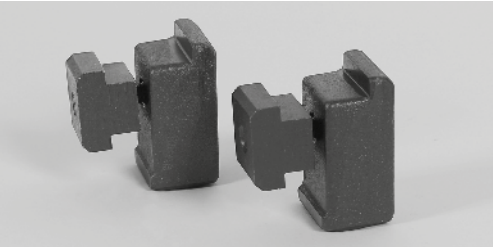
Type	Id. No.
IMG 88	58351312
IMG 125	

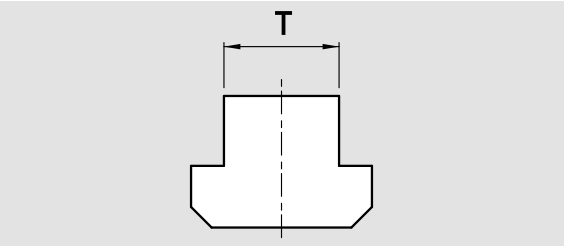
Key for single use on APS 190 for IMG 160 (vice body side)



Type	Id. No.
IMG 160	58361312

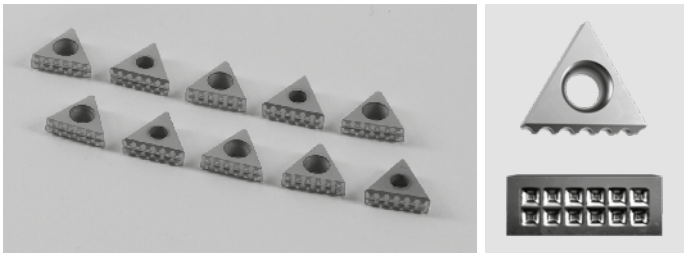
Pair of Clamps



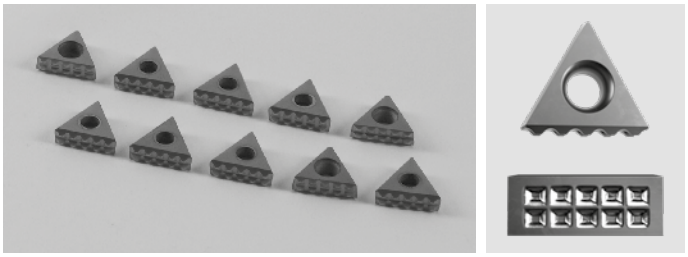


Type	mm 12	mm 14	mm 16	mm 18	mm 20	mm 22
IMG 88	58012792	58012793	58012794	58012795	58012796	58012797
IMG 125 / 160	58022792	58022793	58022794	58022795	58022796	58022797

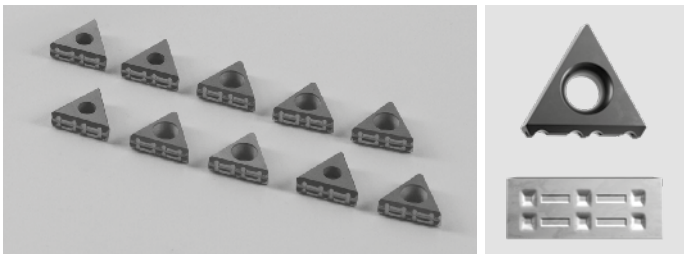
SinterGrip



Id. No.	Description
58450119	Set of 10 SinterGrip inserts **STD** for steel



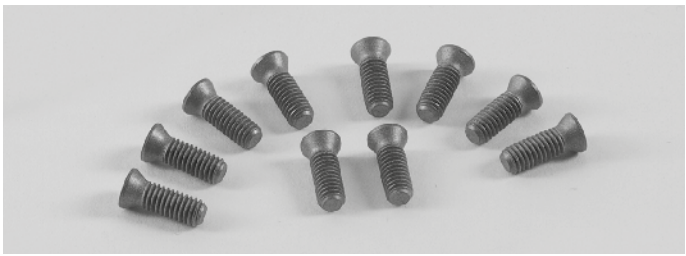
Id. No.	Description
58450129	Set of 10 SinterGrip inserts **HRC** for hardened steel / titanium until 50-54 HRC



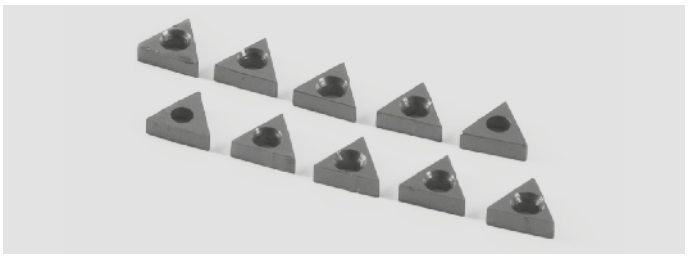
Id. No.	Description
58450139	Set of 10 SinterGrip inserts for **ALU**



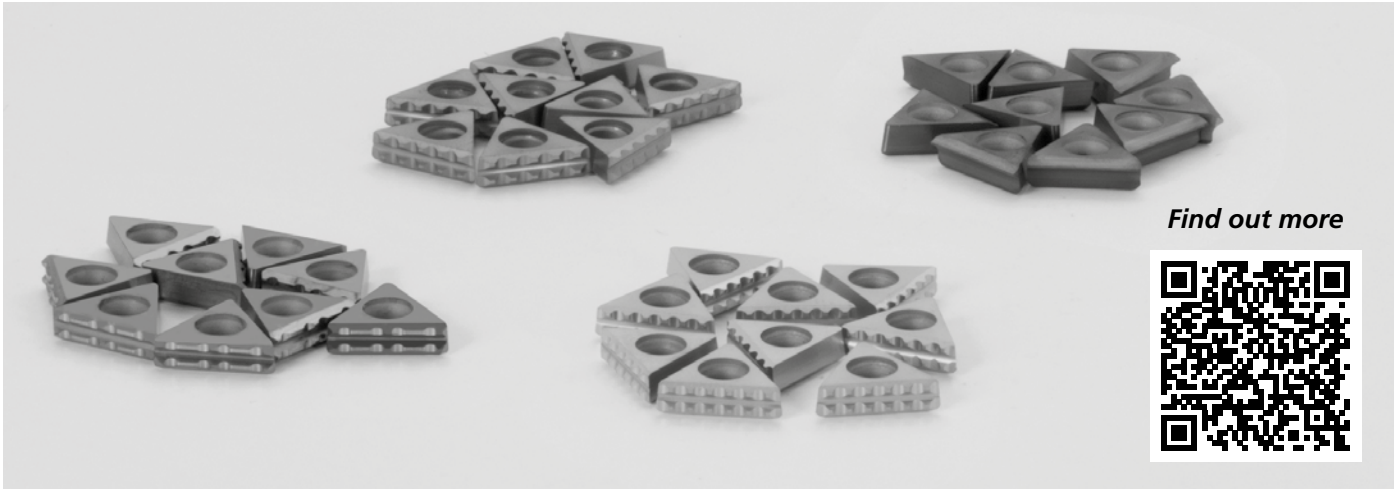
Id. No.	Description
58450149	Set of 10 SinterGrip inserts **PLM** for ultra-High molecular weight polyethylene (UHMWPE)



Id. No.	Description
58450219	Set 10VTX30 for inserts SINTERGRIP

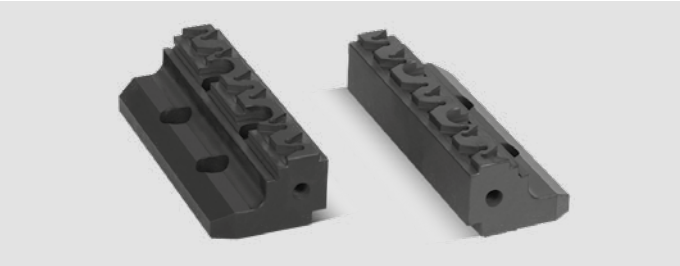


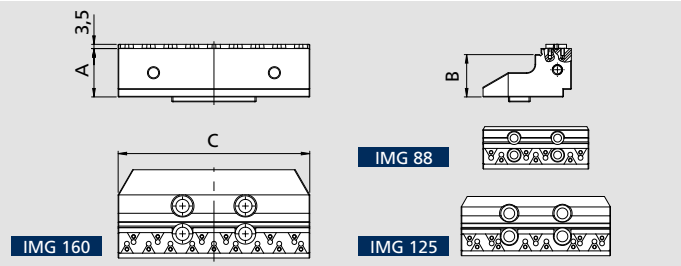
Id. No.	Description
58450519	Set 10 protection inserts in aluminum



Find out more

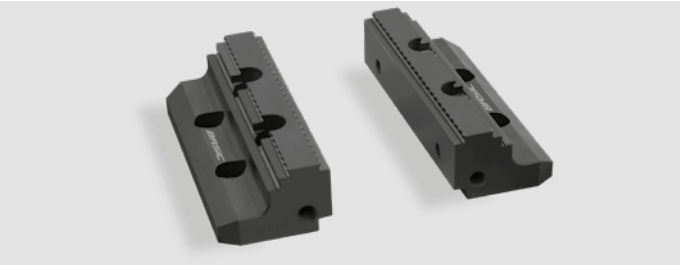
Pair of SINTERGRIP jaws

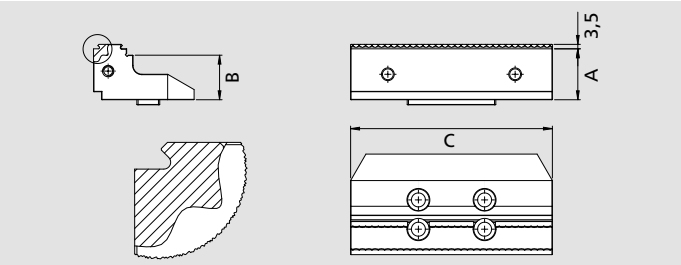




Type	Id. No.	A	B	C	n. seats
IMG / V5 88 SinterGrip	58341219	25	20	87,5	7
IMG / V5 88 SinterGrip H1	58341229	15	10	87,5	7
IMG / V5 125 SinterGrip	58351219	30	25	123,5	11
IMG / V5 125 SinterGrip H1	58351229	19	14	123,5	11
IMG 160 SinterGrip	58361219	40	35	158,5	15

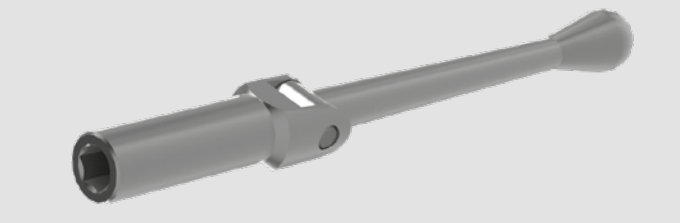
Pair of BASIC jaws (for materials up to 30 HRC)





Type	Id. No.	A	B	C
IMG / V5 88 Basic	58341259	25	20	87,5
IMG / V5 88 Basic H1	58341269	15	10	87,5
IMG / V5 125 Basic	58351259	30	25	123,5
IMG / V5 125 Basic H1	58351269	19	14	123,5
IMG 160 Basic	58361259	40	35	158,5

Wrench



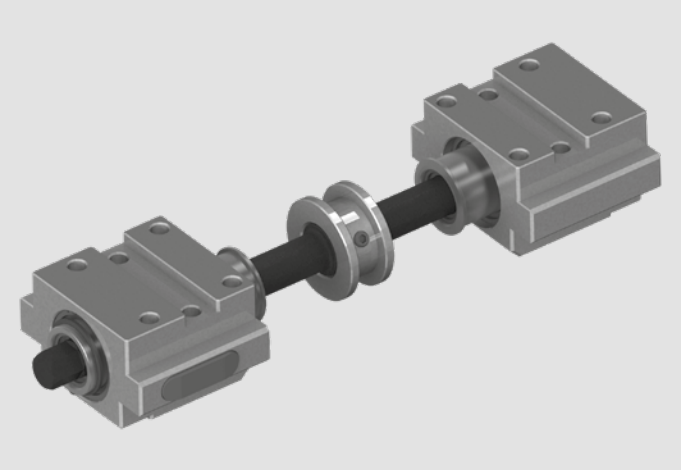
Type	Id. No.
IMG 125 / V5	58351910
IMG 160	58361910

Wrench



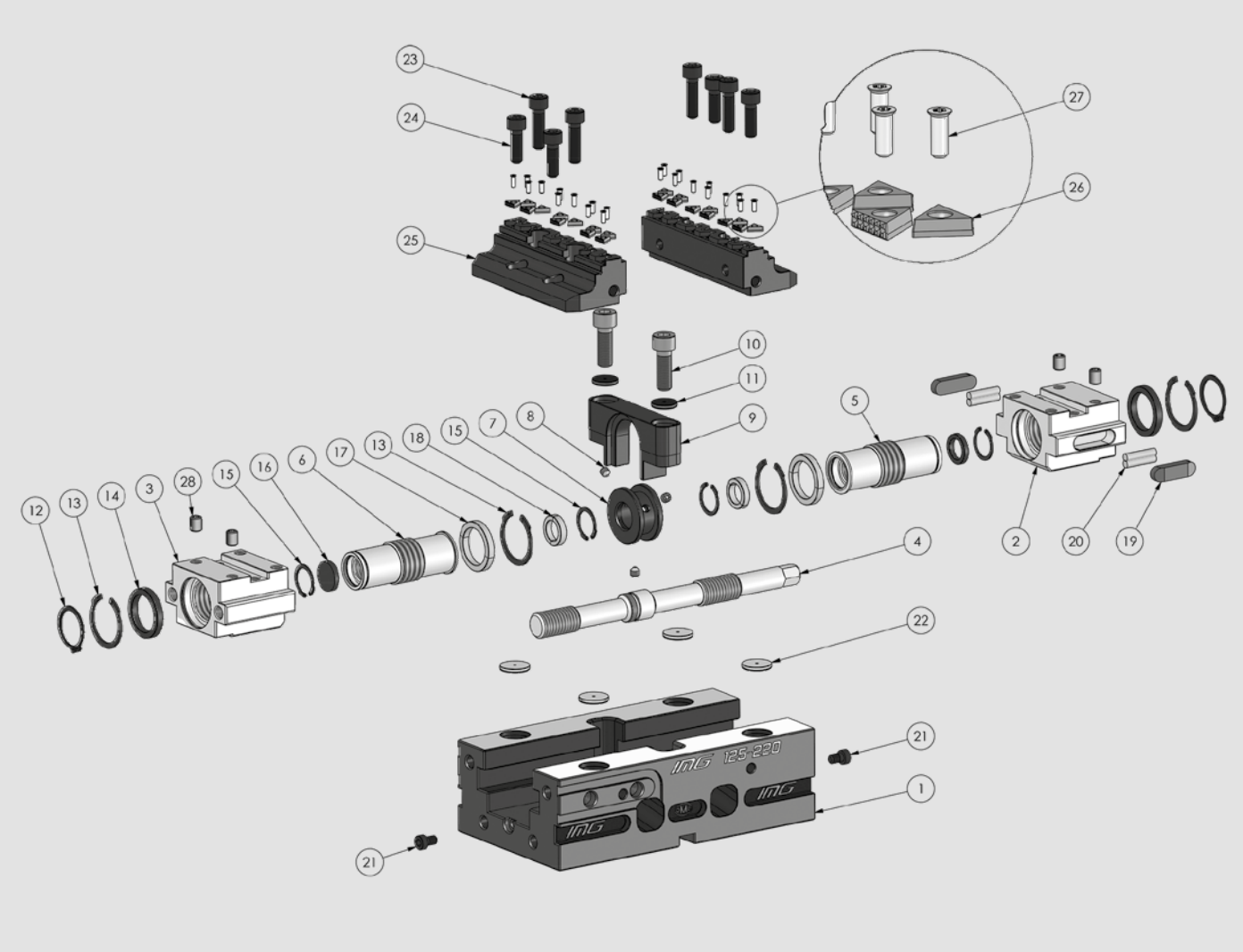
Type	Id. No.
IMG 88 / V5	58341910

Spindel group



Type	Id. No.
IMG 88-130	58349010
IMG 125-180	58359030
IMG 125-220	58359010
IMG 125-320	58359020
IMG 160-270	58369010
IMG 160-420	58369020

Exploded



	Description
1	IMG BASE
2	LEFT SLIDE WAY
3	RIGHT SLIDE WAY
4	OPERATING SCREW
5	LEFT BUSHING
6	RIGHT BUSHING
7	SCREW STOP
8	SCREW
9	UPPER SUPPORT
10	SCREW

	Description
11	ALU PLUG FOR M10
12	SEEGER RING
13	SEEGER RING
14	O - RING
15	SEEGER RING
16	PLUG
17	BRONZE RING
18	SNAP RING
19	STOP KEY
20	RUBBER KEY

	Description
21	SCREW
22	ALU PLUG FOR M12
23	SCREW
24	SCREW
25	SINTERGRIP JAW
26	SINTERGRIP INSERTS
27	SCREW FOR SINTERGRIP
28	GRUB SCREW