

NEW PRODUCTS 2026/27



**HOME OF
CLAMPING**

WE GENERATE EXCITEMENT.

Since the foundation of the company in 1890 until today the goal has remained the same: the highest quality in products and services. Nevertheless, the circumstances, tasks and challenges have changed, of course. By focussing on our core areas of expertise, we have long set new standards for innovative clamping technology - driven by our own development, the greatest possible flexibility and passion for individual solutions.

All this is only possible with committed and contented employees. Respectful interaction with others, personal development and measures for the wellbeing of each individual are therefore values that matter to us.



Company Management:
Wolfgang Balle, Johannes Maier (CEO), Jürgen Förster

OUR COMPANY HISTORY

- 1890 Company founded as a lock manufacturer by Andreas Maier.
- 1920 Product range extended to include spanners.
- 1928 Production line assembly of FELLBACH LOCKS.
- 1951 Introduces clamping elements and diversifies into workpiece and tool clamping technology.
- 1965 Toggle clamps extend the AMF product range, AMF catalogues are now printed in ten languages.
- 1975 Further specialisation into hydraulic clamping technology.
- 1982 Clamping and fixture systems round off AMF's clamping expertise.
- 1996 AMF team organisation in all sectors of the business, Quality management with certification to ISO 9001.
- 2004 Introduction of the ZPS zero-point clamping system.
- 2009 Development and marketing of AMF Vacuum clamping technology.
- 2012 LOW-COST AUTOMATION gripping, clamping, marking and cleaning.
- 2014 AMF presents the most extensive product range of automation solution in zero-point clamping technology.
- 2017 Wireless sensing systems extend the expertise into Industry 4.0 and blends seamlessly into the AMF product range.
- 2023 AMF is a pioneer in the development of clamping systems for additive manufacturing.
- 2025 Official opening of the new logistics centre in Fellbach.

PLEDGES THAT COUNT IN EVERYDAY LIFE

For this reason, we have a few principles that we follow by conviction and which always apply.

INDIVIDUAL DEVELOPMENT

Even if the product you need does not even exist yet, we will find the right solution with you: from special designs to new developments, everything is possible.

WARRANTY

If, despite our high quality standard, there is a complaint, this is dealt with quickly and unbureaucratically, even beyond the warranty period.

HIGHEST QUALITY STANDARDS

Careful manufacturing based on tradition since 1890, and naturally with a modern quality management system according to ISO 9001 for many years.

SHORT DELIVERY TIME

With over 5,000 articles in our warehouse, you can expect your order to be dispatched on the same day.

COMPETENT SERVICE FROM EXPERTS

Your local retail partner or the specialists in our team will find the right solution for every task.

MADE IN GERMANY

Our entire product range is developed and manufactured exclusively by our employees in Germany.

THE SUBSTRATE PLATE CLAMPING SYSTEM FOR ADDITIVE MANUFACTURING**4 - 11****NEW PRODUCTS FROM THE ZERO-POINT-SYSTEMS****12 - 29****THE WORKPIECE STABILISER****30 - 33****THE NEW MECHANICAL CENTRIC CLAMP****34 - 35****NEW PRODUCTS FROM THE HYDRAULIC CLAMPING SYSTEMS****36 - 43****COLLET****44 - 49**

No. 2320-250

Square substrate plate clamping system



NEW!

Order no.	A [mm]	B [mm]	C [mm]	H [mm]	H1 [mm]	K [mm]	L [mm]	N [mm]	R [mm]	Weight [g]
571786	248	248	26,5	38,5	23	8,5	148,8	49,6	25	8176

Application:

Manual clamping system for reliable positioning and fixing of substrate plates in metal 3D printing machines. Ideal for dividing large substrate plates into several individually removable units. This means that each component can be manufactured on a separate substrate plate and transferred directly to post-processing, including the possibility of clamping in subsequent processes. The substrate plates are positively clamped onto the clamping system using zero-point pull-studs (size 5). This enables the seamless transfer to other zero-point clamping systems in the production process.

Features:

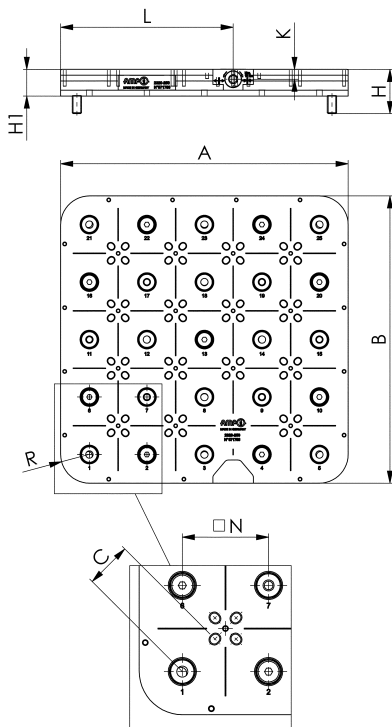
- Clamping system made of stainless steel
- Can accommodate substrate plates of different sizes made of various materials
- Screwless fastening via zero-point pull-studs, size 5
- Adapter plate for flexible installation on different drilling patterns of 3D printing machine tables
- Simultaneous clamping of all clamping positions via central manual actuation
- Temperature-resistant up to 300 °C

Note:

- Observe the installation instructions and tightening torques
- Delivery includes a T-handle torque tool (6 mm) for opening and closing, fastening bolts and a removal tool for easy handling of substrate plate segments

On request:

Other sizes and designs of the clamping system on request



Subject to technical alterations.

No. 2321-250

Substrate plate set with pull-stud



NEW!



Order no.	Material	Md	A	B	E	F	H	H1	R	Weight
		[Nm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[g]
572047	VA	25	247,6	247,6	49,2	49,2	33,5	20,0	25,0	9911

Design:

Substrate plate set for use in metal 3D printing.

The set consists of a total of 25 segments (4 segments with rounding and 21 square segments) for complete population of the substrate plate clamping system 2320-250.

All segments are equipped with a pre-assembled zero-point pull-stud (size 5) and an indexing pin.

Application:

Substrate plate set for reliable holding in the additive production process as well as for further direct use in downstream machining steps.

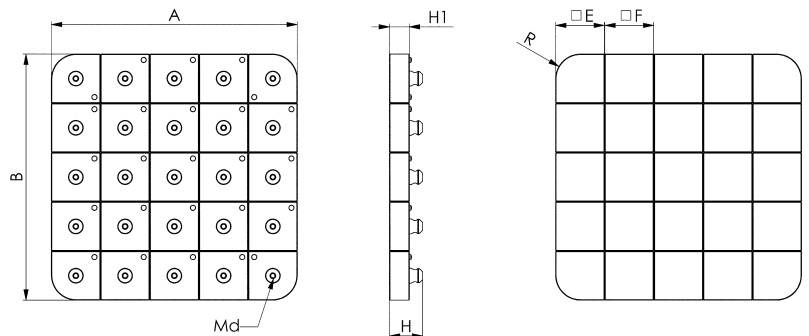
The set allows individual handling of individual components in combination with a zero-point clamping system size 5 in the post-processing machines.

Features:

- Wear layer: 7 mm
- Temperature-resistant up to 300 °C

Note:

Sword and underside pull-stud 2330 available separately.



No. 2322-250

Substrate plate set



NEW!



Order no.	Material	A	B	E	F	H1	R	Weight
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[g]
572048	VA	247,6	247,6	49,2	49,2	20,0	25,0	9433

Design:

Substrate plate set for use in metal 3D printing.

The set consists of a total of 25 segments (4 segments with rounding and 21 square segments) for complete population of the 2320-250 substrate plate clamping system, without pull-stud sets.

All segments are equipped with fitting holes and allow the free choice of 2330 pull-stud types depending on the requirement.

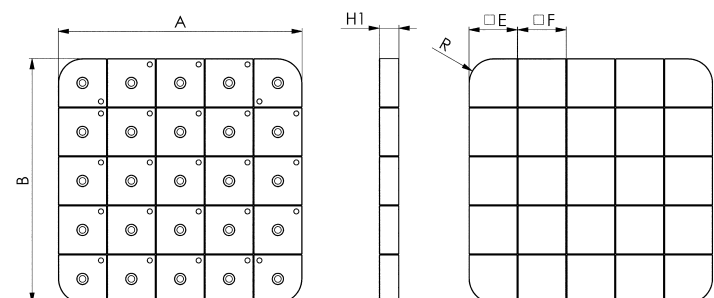
Application:

Suitable as a replacement part and for users who want to choose specifically between zero-point, slit or undersize pull-studs.

The segmented design facilitates individual handling, individual retrofitting and the targeted supply of replacement parts in the additive manufacturing process.

Features:

- Temperature-resistant up to 300 °C



No. 2321-250-01

Square substrate segment



NEW!



Order no.	Material	Wear layer N [mm]	H1 [mm]	F [mm]	K [mm]	Weight [g]
571168	VA	7	20	49,2	26,5	379

Design:

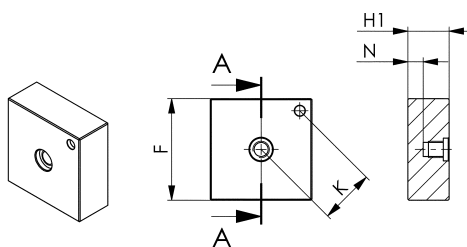
Square substrate segment with integrated fitting holes for precise positioning. Supplied without pull-stud – for combination with zero-point, slit or undersize 2330 pull-stud sets size 5.

Application:

Use in metal 3D printing on the 2320-250 substrate plate clamping system. Suitable as a replacement or supplementary part, e.g. in case of wear or individual segment assembly.

Features:

- Temperature-resistant up to 300 °C



No. 2321-250-02

Substrate segment rounding



NEW!



Order no.	Material	Wear layer N [mm]	H1 [mm]	F [mm]	K [mm]	R [mm]	Weight [g]
571169	VA	7	20	49,2	26,5	25	359

Design:

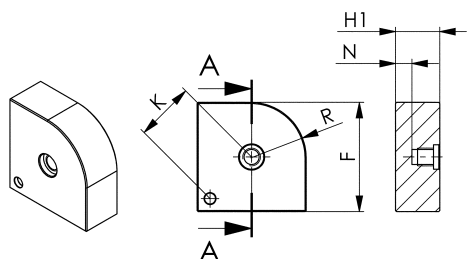
Substrate segment rounding with integrated fitting holes for precise positioning. Supplied without pull-stud – for combination with zero-point, slit or undersize 2330 pull-stud sets size 5.

Application:

Substrate segment with round contour for use in metal 3D printing for the 4 corner areas of the 2320-250 substrate plate clamping system. Suitable as a replacement or supplementary part, e.g. in case of wear or individual segment assembly.

Features:

- Temperature-resistant up to 300 °C





Subject to technical alterations.

No. 2310-250

Substrate plate clamping system, round



NEW!

Order no.	dia. A [mm]	C [mm]	H [mm]	H1 [mm]	K [mm]	Weight [g]
571785	249	26,5	38,5	23,0	8,5	8092

Application:

Manual clamping system for the reliable positioning and fixation of substrate plates in metal 3D printing systems. Ideal for dividing large substrate plates into several, individually removable units. This means that each component can be manufactured on a separate substrate plate and transferred directly to post-processing, including the possibility of clamping in subsequent processes. The substrate plates are positively clamped onto the clamping system using zero-point pull-studs (size 5). This enables the seamless transfer to other zero-point clamping systems in the production process.

Features:

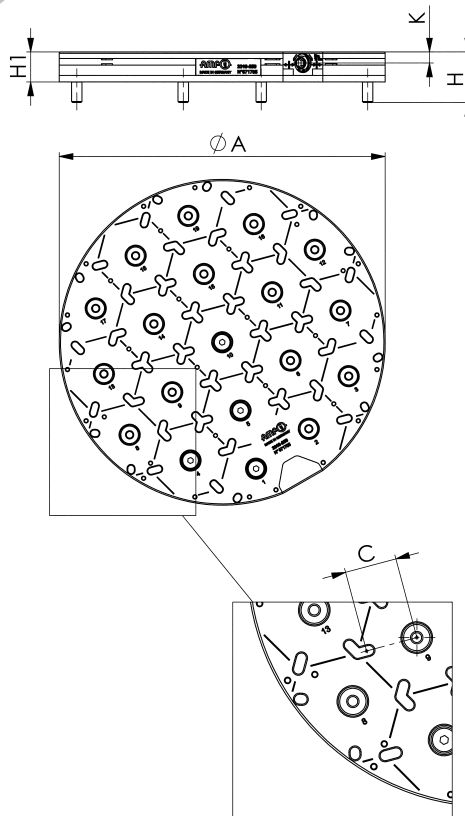
- Clamping system made of stainless steel
- Can accommodate substrate plates of different sizes made of various materials
- Screwless fastening via zero-point pull-studs, size 5
- Adapter plate for flexible installation on different drilling patterns of 3D printing machine tables
- Simultaneous clamping of all clamping positions via central manual actuation
- Temperature-resistant up to 300 °C

Note:

- Observe the installation instructions and tightening torque
- Delivery includes a T-handle torque tool (6 mm) for opening and closing, fastening bolts and a removal tool for easy handling of substrate plate segments

On request:

Other sizes and versions of the clamping system on request



Subject to technical alterations.

No. 2311-250

Substrate plate set with pull-stud



NEW!



Bestell-Nr.	Material	Md	dia. D	B	H	H1	Weight
		[Nm]	[mm]	[mm]	[mm]	[mm]	[g]
572812	VA	25	249,0	53,5	33,5	20,0	7386

Design:

Substrate plate set for use in metal 3D printing.

The set consists of a total of 19 segments (6 segments with rounding and 13 hexagonal segments) for complete population of the substrate plate clamping system 2310-250.

All segments are equipped with a pre-assembled zero-point pull-stud (size 5) and an indexing pin.

Application:

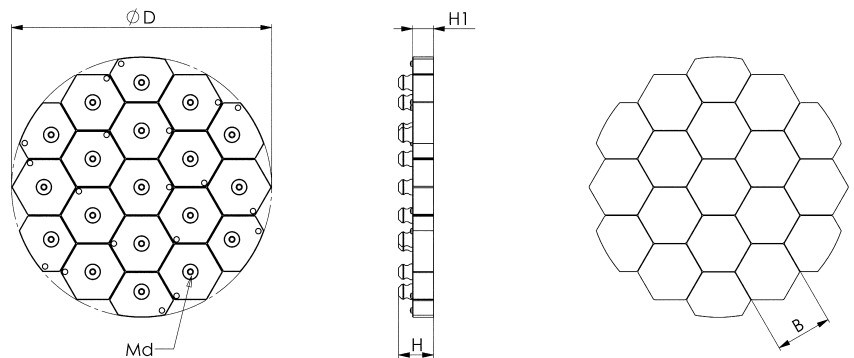
Substrate plate set for reliable holding in the additive manufacturing process as well as for further direct use in downstream machining steps. The set allows individual handling of individual components in combination with a zero-point clamping system size 5 in the post-processing machines.

Features:

- Wear layer: 7 mm
- Temperature-resistant up to 300 °C

Note:

Sword and underside pull-stud 2330 available separately.

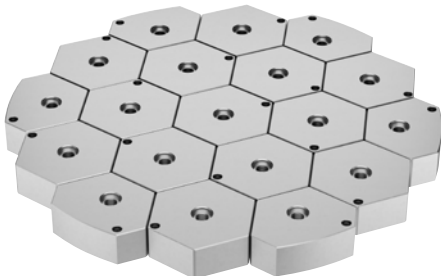


No. 2312-250

Substrate plate set



NEW!



Bestell-Nr.	Material	dia. D	B	H1	Weight
		[mm]	[mm]	[mm]	[g]
572813	VA	249,0	53,5	20,0	7022

Design:

Substrate plate set for use in metal 3D printing. The set consists of a total of 19 segments (6 segments with rounding and 13 hexagonal segments) for complete population of the substrate plate clamping system 2310-250, without pull-stud sets.

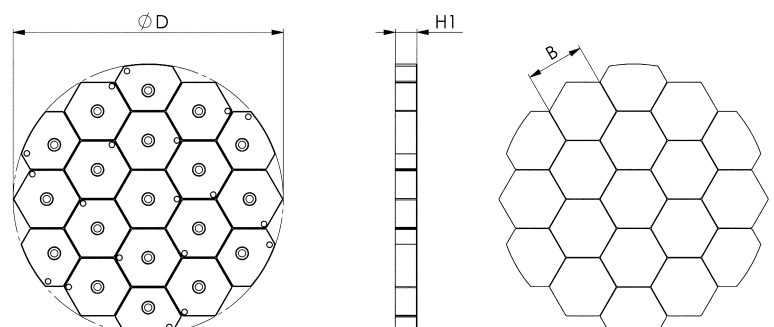
All segments are equipped with fitting holes and allow the free choice of 2330 pull-stud types depending on the requirement.

Application:

Suitable as a replacement part and for users who want to choose specifically between zero-point, slit or undersize pull-studs. The segmented design facilitates individual handling, individual retrofitting and the targeted supply of replacement parts in the additive manufacturing process.

Features:

- Temperature-resistant up to 300 °C



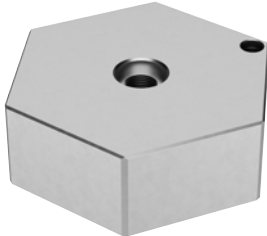
Subject to technical alterations.

No. 2311-250-01

Hexagonal substrate segment



NEW!



Order no.	Material	Wear layer N [mm]	H1 [mm]	B [mm]	K [mm]	Gewicht [g]
572818	VA	7	20	53,5	26,5	391

Design:

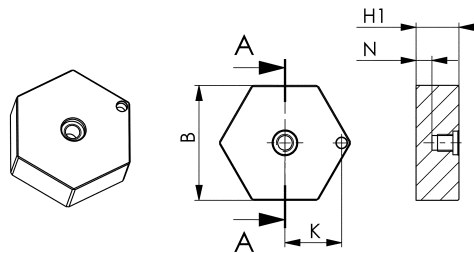
Hexagonal substrate segment with integrated fitting holes for precise positioning. Supplied without pull-stud – for combination with zero-point, sword, or undersize pull-stud sets 2330 size 5.

Application:

Use in metal 3D printing on the substrate plate clamping system 2310-250. Suitable as a replacement or supplementary part, e.g. in case of wear or individual segment assembly.

Features:

Temperature-resistant up to 300 °C

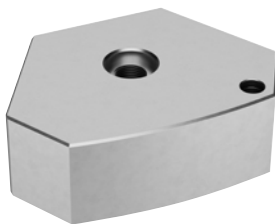


No. 2311-250-02

Substrate segment rounding



NEW!



Order no.	Material	Wear layer N [mm]	H1 [mm]	B [mm]	K [mm]	Weight [g]
572819	VA	7	20	53,5	26,5	326

Design:

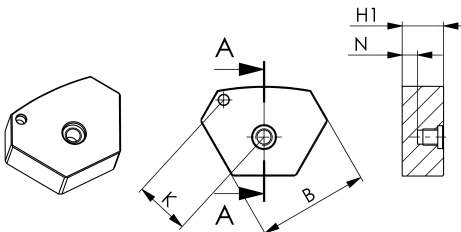
Substrate segment rounding with integrated fitting holes for precise positioning. Supplied without pull-stud – for combination with zero-point, sword, or undersize pull-stud sets 2330 size 5.

Application:

Substrate segment with round contour for use in metal 3D printing for the 4 corner areas of the substrate plate clamping system 2310-250. Suitable as a replacement or supplementary part, e.g. in case of wear or individual segment assembly.

Features:

Temperature-resistant up to 300 °C



No. 2330

Pull-stud set size 5

NEW!



Order no.	Size	dia. D1 [mm]	dia. D2 [mm]	dia. DN [mm]	G	H [mm]	H1 [mm]	L [mm]	L1 [mm]	T [mm]	Holding force [kN]	Weight [g]
572049	5	11	8,1	15,0	M8	11,9	9,4	23,0	3,4	2,5	8,0	20
572050	5	11	8,1	15,0	M8	11,9	9,4	23,0	3,4	2,5	8,0	20
572051	5	11	8,1	14,8	M8	11,9	9,4	23,0	3,4	2,5	8,0	20

Design:

Ready-to-install pull-stud sets for use with substrate plates in the additive manufacturing process. Each set contains a pull-stud, a matching engagement screw and an indexing pin. The studs are available in three variants and allow flexible adaptation to the respective application – from exact referencing to compensation of tolerances.

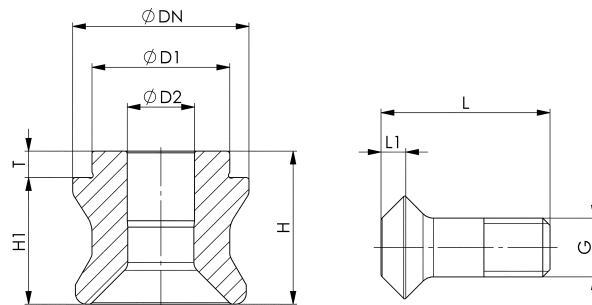
Order no. 572049: Zero-point pull-stud set

Order no. 572050: Slit pull-stud set

Order no. 572051: Undersize pull-stud set

Features:

Compatible with all AMF zero-point clamping modules of size 5.

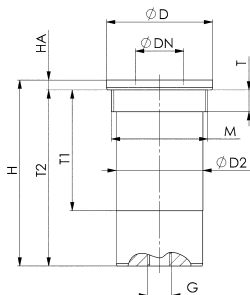


Subject to technical alterations.

No. 6203SP

Installation clamping module, screw-in version

Pneumatic opening.
Cover and piston hardened.
Repeatability < 0.02 mm.



Order no.	Size	Opening operating pressure: [bar]	Pull-in/locking force up to [N]	Holding force* [N]	Weight [g]
564839	SP140	6 - 12	70	500	12
568754	SP141	6 - 12	50	500	13
427286	SP150	6 - 12	235	6000	48
558437	SP151	5 - 12	195	6000	48

Application:

Zero-point clamping system for set-up-time-optimised clamping during cutting and non-cutting machining.

Note:

The installation clamping module has high holding, pull-in and locking forces. This is opened pneumatically (1) and locked mechanically through spring force. Subsequent uncoupling of the pressure lines is possible at any time (module is clamped pressure-free).

The clamping module has one connection:
1x pneum. Open (1).

For ease of installation, we recommend the size 140 installation tool Order no. 564843 and the size 150 installation tool Order no. 565395.

* Please observe the installation instructions.

On request:

- Installation diagrams

Dimensions:

Order no.	Size	dia. D	dia. DN	dia. D2	G	H	HA	M	T	T1	T2
564839	SP140	15	7	12	M3	20,0	1,00	M13 x 0,5	3,5	-	19,00
568754	SP141	18	7	15	Ø3	14,7	1,00	M16 x 0,5	3,5	-	13,70
427286	SP150	22	10	18	M5	38,5	2,05	M20 x 1,5	4,5	25	36,45
558437	SP151	22	10	18	M5	38,5	2,05	M20 x 1,5	4,5	25	36,45

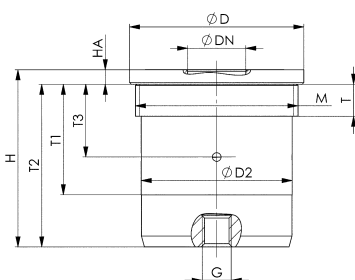
No. 6203SP-152

Installation clamping module, screw-in version

Pneumatic opening.
Cover and piston hardened.
Opening operating pressure: min. 5 bar - max. 12 bar.
Optional retensioning operating pressure (turbo): 5 bar
Repeatability < 0.02 mm.



NEW!



Order no.	Size	Pull-in/locking force without retensioning up to [N]	Pull-in/locking force with retensioning up to [N]	Holding force* [N]	Weight [g]
573766	SP152	400	1000	6000	108

Application:

Zero-point clamping system for set-up-time-optimised clamping during cutting and non-cutting machining.

Note:

The installation clamping module has high holding, pull-in and locking forces. This is opened pneumatically (1) and locked mechanically through spring force. To achieve increased pull-in and locking forces, it must be briefly retensioned pneumatically (turbo) (2). Subsequent uncoupling of the pressure lines is possible at any time (module is clamped pressure-free).

The clamping module has two connections:

1x pneum. opening (1)

1x pneum. Retensioning (turbo) (2).

For simple installation, we recommend using installation tool 6203ZMW-150 (565395).

* Please observe the installation instructions.

On request:

- Installation drawing

Dimensions:

Order no.	Size	ØD	ØDN	ØD2	G	H	HA	M	T	T1	T2	T3
573766	SP152	30	10	26	M5	30,45	2,5	M28 x 1,5	5,5	19	27,95	12,5

Subject to technical alterations.

No. 6203ZN-140

Pull-stud size 140

Hardened, for pneumatic clamping module no. 6203SP-140 and 6203SP-141.



Order no.	Size	dia. DN	dia. D1	H	H1	M	T	T1	TORX	Weight [g]
564840	140	7,00	5	11,2	8,7	M3	2,5	4,5	T8	2
564841	140	7,00	5	11,2	8,7	M3	2,5	4,5	T8	2
564842	140	6,96	5	11,2	8,7	M3	2,5	4,5	T8	2

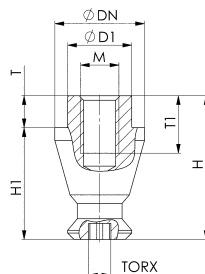
Design:

Order no. 564840: zero-point pull-stud

Order no. 564841: timing pull-stud

Order no. 564842: undersize pull-stud

Zero point and undersize pull-stud incl. threaded stud ISO 4026 M3x12-10.9 (galvanised).



No. 6203ZN-150

Pull-stud size 150

Hardened, for pneumatic clamping module no. 6203SP-150, 6203SP-151, 6109SP-150 and 6203SP-152.



Order no.	Size	dia. DN	dia. D1	H	H1	M	T	T1	SW	Weight [g]
427302	150	10,0	7,14	17,5	15	M5	2,5	8,5	8	4
427328	150	10,0	7,14	17,5	15	M5	2,5	8,5	8	4
427344	150	9,95	7,14	17,5	15	M5	2,5	8,5	8	4

Design:

Order no. 427302: zero-point pull-stud

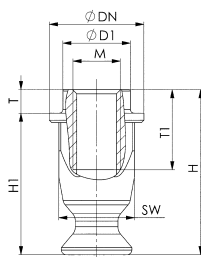
Order no. 427328: timing pull-stud

Order no. 427344: undersize pull-stud

Zero point, timing and undersize pull-stud incl. threaded stud ISO 4026 M5x20-10.9 (galvanised).

Note:

A suitable tool for aligning the slit pull-stud is available under the order no. 562804.



No. 6215RP

Installation clamping module

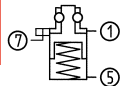
Pneumatic opening.

Pneumatic blow out.

Operating pressure for opening: min. 5 bar - max. 12 bar.

Housing and piston hardened.

Repetition accuracy < 0.1 mm.



Order no.	Size	Pull-in/locking force up to	Holding force*	Weight
		[N]	[N]	[g]
569368	RP260	100	3000	192
569369	RP270	300	6300	587

Design:

Contact surface with integrated blow out and support control.

Application:

Pneumatic zero-point clamping system for set-up-time-optimised clamping during cutting and non-cutting machining. Ideally suited for applications in the transfer automation range, since no interference contour is present underneath the interchangeable pallet.

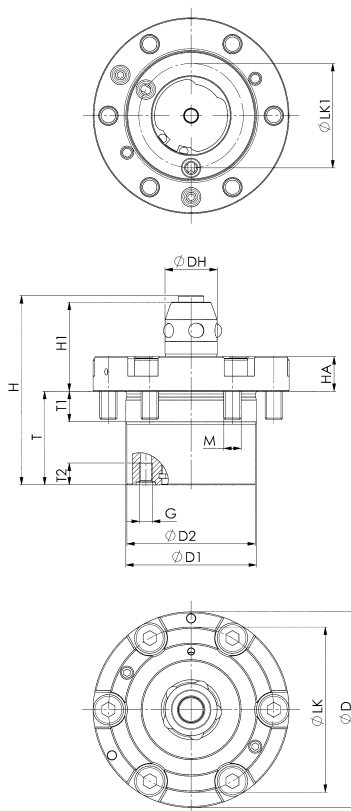
Note:

The zero-point clamping system is opened (1) pneumatically and locked mechanically by spring force. The pneumatic supply lines can be connected using the M3 thread on the underside of the clamping module. Moreover, the air can be supplied using the O-rings supplied as standard. Subsequent uncoupling of the pressure line is possible at any time (zero-point clamping system is clamped at normal pressure). The connection (7) can optionally be used as a pneum. support control. Venting is performed via a connection (5).

* Please observe the installation instructions.

On request:

- Installation drawing



Dimensions:

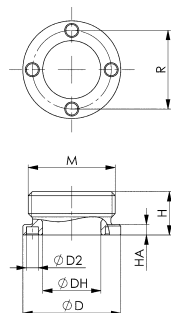
Order no.	Size	dia. D	dia. D1	dia. D2	Ø DH	G	H	H1	HA	dia. LK	dia. LK1	M	T	T1	T2
569368	RP260	45	30	29,5	12	M3	43,5	20,5	8	38	24,0	M4	21,5	7	7
569369	RP270	64	46	45,0	20	M3	64,6	32,0	10	55	38,4	M5	31,0	12	7

Subject to technical alterations.

No. 6214ZN-XXX-01

Zero-point clamping sleeve

For screwing on.
Hardened.



Order no.	Size	dia. D	dia. D2	dia. DH	H	HA	M	R	Weight [g]
569370	260	24	2,1	12,05	10,0	4,0	M20 x 1	18	17
569372	270	39	4,1	20,05	17,6	7,0	M36 x 1	29	89

Application:

Zero point clamping sleeve suitable for pneumatic clamping module 6215RP-250 and 251 and mechanical clamping modules 6214RM-250 and 251. The clamping sleeve has an external thread and can, for example, be screwed directly into fixtures or workpieces.

Note:

The suitable installation tool is available under the order no. 559439.

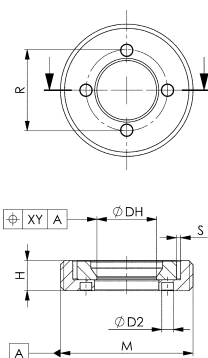
On request:

- Installation diagrams

No. 6214ZN-XXX-02

Counterbalance clamping sleeve

For screwing on.
Hardened.



Order no.	Size	XY counterbalance [mm]	dia. D2	dia. DH	H	M	R	S	Weight [g]
569371	260	1,0	2,1	12,05	7,80	M24 x 1	18,00	0,75	16
569373	270	1,0	4,1	20,05	13,90	M42 x 1,5	29,00	0,75	100

Application:

The compensation pull-stud is supported by bearings so that it is radially mobile and is used when large distance tolerances between the clamping sleeves have to be compensated. The compensating clamp is suitable for pneumatic clamping modules 6215RP-250 and 251 and mechanical clamping modules 6214RM-250 and 251.

The compensating clamp sleeve has an external thread and can, for example, be screwed directly into fixtures or workpieces.

Note:

The clamping sleeve has only a holding function and does not absorb any lateral load.

The suitable installation tool is available under the order no. 559439.

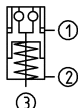
On request:

- Installation diagrams

No. 6370EARL

Installation clamping module, screw-in version

Pneumatic opening.
Pneumatic blow-out.
Cover and piston hardened.
Repeatability < 0.005 mm.



NEW!

Order no.	Size	Opening operating pressure [bar]	Retensioning operating pressure [bar]	Pull-in/locking force up to [kN]	Holding force* [kN]	Blow out	Weight [g]
563900	KP5	8 - 12	5 - 6	1,5	13	●	150
427005	KP5	5 - 12	3 - 4	1,2	13	●	150

Application:

Zero-point clamping system for set-up-time-optimised clamping during cutting and non-cutting machining. With small space requirement and low overall height.

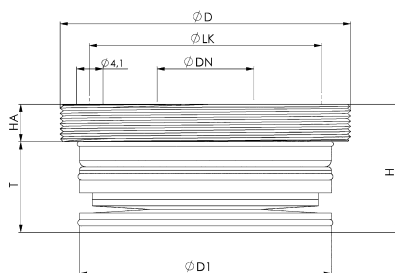
Note:

The installation clamping module has high holding, pull-in and locking forces. This is opened pneumatically (1) and locked mechanically through spring force. To achieve the specified pull-in and locking forces, it must be briefly retensioned pneumatically (turbo) (2). Subsequent uncoupling of the pressure lines is possible at any time (module is clamped pressure-free). The contact surface is the upper surface of the housing. Use of the pneumatic pressure booster no. 6370ZVL is recommended. The clamping module with blow-out has three connections: 1x pneum. Opening (1), 1x pneum. Retensioning (turbo) (2), 1x pneum. Blow-out and support control (3). (The pneumatic blow-out and support control can optionally be connected.) The suitable installation tool is available under the AMF order no. 564855.

* Please observe the installation instructions.

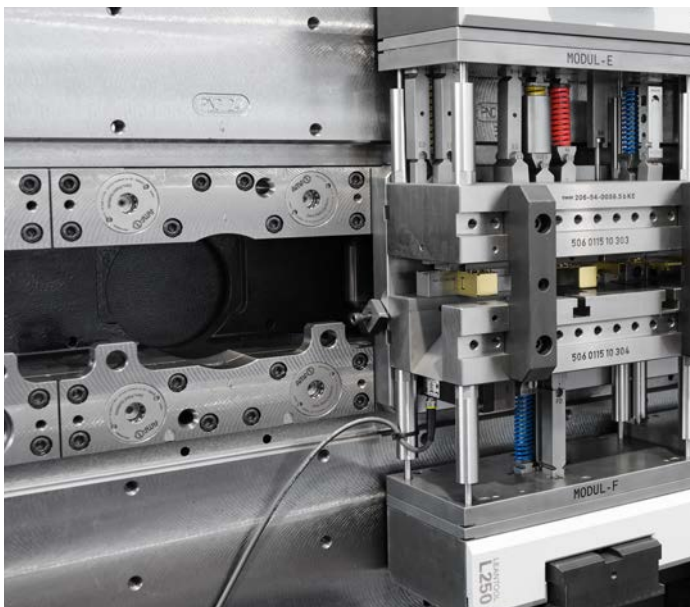
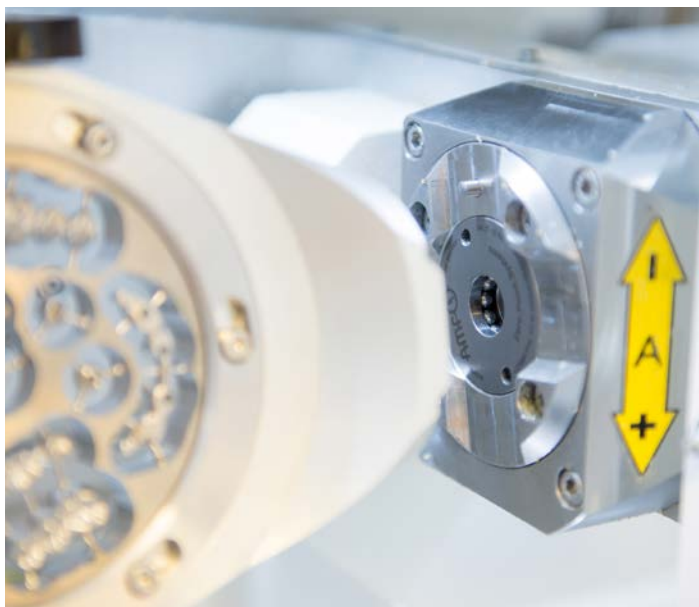
On request:

- Installation drawings



Dimensions:

Order no.	Size	dia. D	dia. DN	dia. D1	H	HA	dia. LK	T
563900	KP5	M45 x 1	15	39	19,8	5,8	36	14
427005	KP5	M45 x 1	15	39	19,8	5,8	36	14

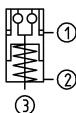


Subject to technical alterations.

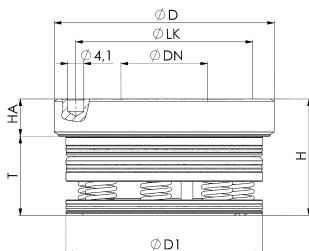
No. 6220EARLA10

Installation clamping module, screw-in version

Pneumatic opening.
Pneumatic blow-out.
Opening operating pressure: min. 8 bar - max. 12 bar.
Retensioning operating pressure: min. 5 bar - max. 6 bar
Cover and piston hardened.
Repetition accuracy < 0.005 mm



NEW!



Order no.	Size	Pull-in/locking force up to [kN]	Holding force* [kN]	Blow out	Weight [g]
573762	KP10	8	25	●	300

Application:

Zero-point clamping system for set-up-time-optimised clamping during cutting and non-cutting machining. With small space requirement and low overall height.

Note:

The installation clamping module has high holding, pull-in and locking forces. This is opened pneumatically (1) and locked mechanically through spring force. To achieve the specified pull-in and locking forces, it must be briefly retensioned pneumatically (turbo) (2). Subsequent uncoupling of the pressure lines is possible at any time (module is clamped pressure-free). The contact surface is the upper surface of the housing. Use of the pneumatic pressure booster no. 6370ZVL is recommended. The clamping module with blow-out has three connections: 1x pneum. Opening (1), 1x pneum. Retensioning (turbo) (2), 1x pneum. Blow-out and support control (3). (The pneumatic blow-out and support control can optionally be connected.) The suitable installation tool is available under the AMF order no. 573765.

* Please observe the installation instructions.

On request:

- Installation drawing

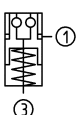
Dimensions:

Order no.	Size	dia. D	dia. DN	dia. D1	H	HA	dia. LK	T
573762	KP10	M56x1,5	22	50	29,7	9,5	45	20,2

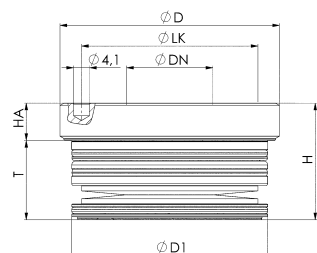
No. 6220EARHA10

Installation clamping module, screw-in version

Hydraulic opening.
Pneumatic blow-out.
Opening operating pressure: min. 50 bar - max. 60 bar.
Cover and piston hardened.
Repetition accuracy < 0.005 mm



NEW!



Order no.	Size	Pull-in/locking force up to [kN]	Holding force* [kN]	Blow out	Weight [g]
573763	KH10	10	25	●	310

Application:

Zero-point clamping system for set-up-time-optimised clamping during cutting and non-cutting machining. With small space requirement and low overall height.

Note:

The installation clamping module has high holding, pull-in and locking forces. This is opened hydraulically (1) and mechanically locked through spring force. Subsequent uncoupling of the pressure lines is possible at any time (module is clamped pressure-free). The contact surface is the upper surface of the housing. The clamping module with blow-out has two connections: 1x hydr. opening (1), 1x pneum. Blow-out and support control (3). (The pneumatic blow-out and support control can optionally be connected.) The suitable installation tool is available under the AMF order no. 573765.

* Please observe the installation instructions.

On request:

- Installation drawing

Dimensions:

Order no.	Size	dia. D	dia. DN	dia. D1	H	HA	dia. LK	T
573763	KH10	M56x1,5	22	50	29,7	9,5	45	20,2

CLAMPING MODULE AS FLANGE VERSION

Clamping module as flange version for different installation situations. The clamping module can be mounted on a plate or recessed at three different depths. Moreover, fully recessed installation is also possible.

YOUR BENEFITS AT A GLANCE:

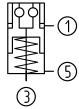
- > Various installation and mounting situations possible
- > Additional seal on the module cover for recessed installation
- > Encapsulated system with simplified installation hole
- > High flexibility thanks to three different connection options from below via O-ring or M5 connection thread and lateral M5 connection thread on the side
- > Flange housing made of stainless steel
- > Including centric blow-out / support control
- > Fully automatic thanks to a wide range of sensing options such as opening and locking control
- > Opening pressure from 5 bar
- > No post-clamping force required



No. 6172LA

Clamping module, flange version

Pneumatic opening.
Pneumatic blow-out.
Operating pressure for opening: min. 5 bar - max. 12 bar.
Cover and piston hardened.
Flange housing: stainless steel.
Repetition accuracy < 0.005 mm.



NEW!

Order no.	Size	Module installed	Pull-in/locking force up to [kN]	Holding force* [kN]	Blow out	Weight [Kg]
568991	KP10.3	6206LA-10	10	25	●	3,4
572741	KP20.3	6206LA-20	17	55	●	6,5

Application:

Zero-point clamping system for set-up-time-optimised clamping during cutting and non-cutting machining. The pneumatic supply lines can be connected to the side or base using M5 threads. Moreover, the air can be supplied via the floor using the O-rings supplied as standard. The clamping module can be mounted on a plate using the 6210-15-01 centring sleeve or recessed at 3 different depths.

Note:

Support control: static pressure with supported interchangeable pallet, flow-through when no interchangeable pallet is in place.

The installation clamping module is opened pneumatically (1) and locked mechanically by spring force. Subsequent uncoupling of the pressure line is possible at any time (module is clamped at normal pressure).

The flange has three useable connections:

1 = Pneum. Opening

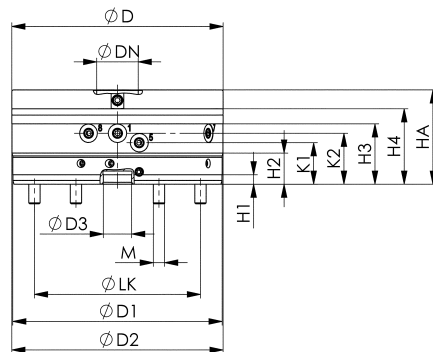
3 = Pneum. blow-out and pneum. support control

5 = Vent

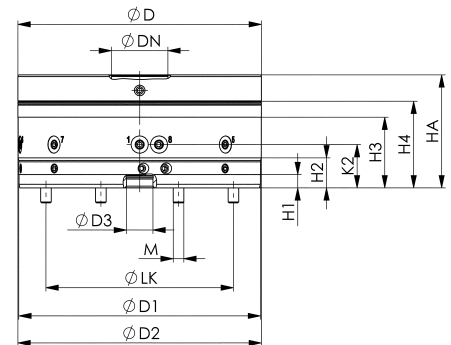
* Please observe the installation instructions.

On request:

- Installation drawing



KP10.3



KP20.3

Dimensions:

Order no.	Size	dia. D	dia. D1	dia. D2	dia. D3 H7	dia. DN	H1	H2	H3	H4	HA	K1	K2	dia. LK	M
568991	KP10.3	112	111	112	15	22	5,0	16,5	32	40	50	22	27,0	88	M6
572741	KP20.3	138	137	138	15	32	7,5	17,0	40	49	64	-	24,5	115	M6

No. 6172ILA

Clamping module, flange version, with indexing

Pneumatic opening.

Pneumatic blow-out.

Operating pressure for opening: min. 5 bar - max. 12 bar.

Cover and piston hardened.

Flange housing: stainless steel.

Repetition accuracy < 0.005 mm.



NEW!

Order no.	Size	Module installed	Pull-in/locking force up to [kN]	Holding force* [kN]	Blow out	Weight [Kg]
568992	KP10.3	6206ILA-10	10	25	●	3,4
572742	KP20.3	6206ILA-20	17	55	●	6,5

Application:

Zero-point clamping system for set-up-time-optimised clamping during cutting and non-cutting machining. The pneumatic supply lines can be connected to the side or base using M5 threads. Moreover, the air can be supplied via the floor using the O-rings supplied as standard. The clamping module can be mounted on a plate using the 6210-15-01 centring sleeve or recessed at 3 different depths.

The indexing notches prevent the interchangeable pallet from twisting, enabling exact positioning every 90°.

Note:

Support control: static pressure with supported interchangeable pallet, flow-through when no interchangeable pallet is in place.

The installation clamping module is opened pneumatically (1) and locked mechanically by spring force. Subsequent uncoupling of the pressure line is possible at any time (module is clamped at normal pressure).

The flange has three useable connections:

1 = Pneum. Opening

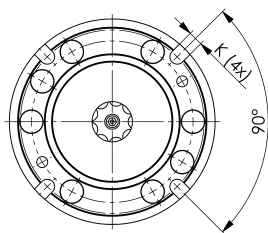
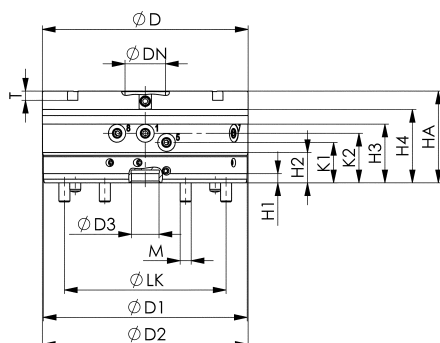
3 = Pneum. blow-out and pneum. support control

5 = Vent

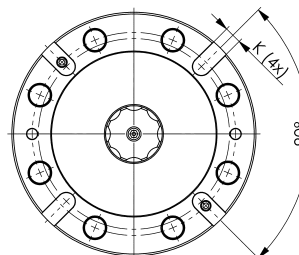
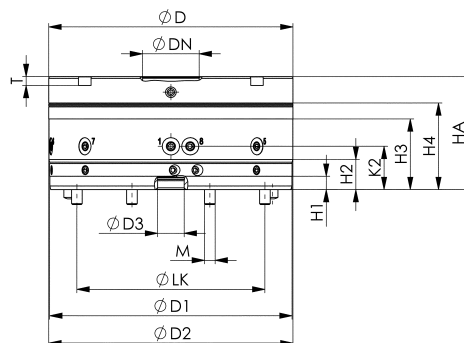
* Please observe the installation instructions.

On request:

- Installation drawing



KP10.3



KP20.3

Dimensions:

Order no.	Size	dia. D	dia. D1	dia. D2	dia. D3 H7	dia. DN	H1	H2	H3	H4	HA	K	K1	K2	dia. LK	M	T
568992	KP10.3	112	111	112	15	22	5,0	16,5	32	40	50	8	22	27,0	88	M6	5
572742	KP20.3	138	137	138	15	32	7,5	17,0	40	49	64	10	-	24,5	115	M6	5

Subject to technical alterations.

No. 6171LA-XX-08

Clamping module, flange version

Pneumatic opening.

Pneumatic blow-out.

Operating pressure for opening: min. 5 bar - max. 12 bar.

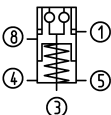
Cover and piston hardened.

Flange housing: stainless steel.

Repetition accuracy < 0.005 mm.

With locking control (pneum.), opening control (pneum.) and

support control (pneum.)



NEW!

Order no.	Size	Module installed	Pull-in/locking force up to [kN]	Holding force* [kN]	Blow out	Weight [kg]
564599	KP10.3	6108LA-10-08	10	25	●	3,4
564602	KP20.3	6108LA-20-08	17	55	●	6,5

Application:

Zero-point clamping system for automation solutions for set-up-time-optimised clamping during cutting and non-cutting machining. The pneumatic supply lines can be connected to the side or base using M5 threads. Moreover, the air can be supplied via the floor using the O-rings supplied as standard. The clamping module can be mounted on a plate using the 6210-15-01 centring sleeve or recessed at 3 different depths.

Note:

Locking control: Dynamic pressure with locked clamping modules, flow-through with opened clamping module.

Opening control: Dynamic pressure with opened clamping modules, flow-through with locked clamping module.

Support control: static pressure with supported interchangeable pallet, flow-through when no interchangeable pallet is in place.

The installation clamping module is opened pneumatically (1) and locked mechanically by spring force. Subsequent uncoupling of the pressure line is possible at any time (module is clamped at normal pressure).

The flange has five useable connections:

1 = Pneum. opening

3 = Pneum. blow-out and pneum. support control

4 = Pneum. opening control

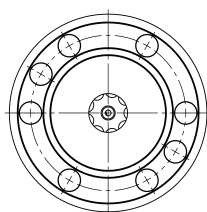
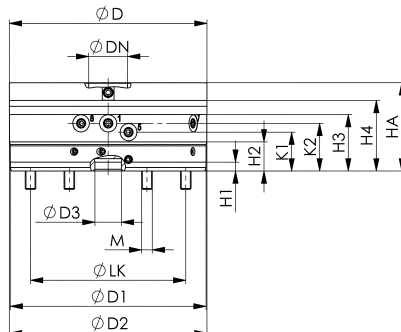
5 = Vent

8 = Pneum. locking control

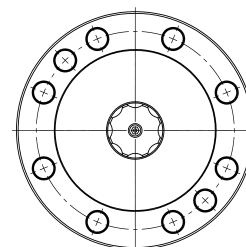
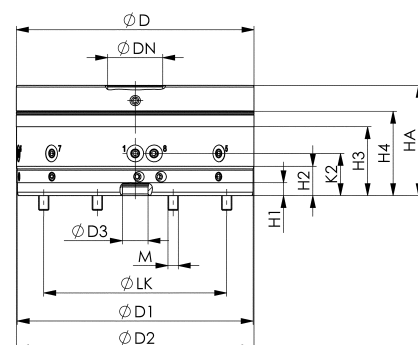
* Please observe the installation instructions.

On request:

- Installation drawing



KP10.3



KP20.3

Dimensions:

Order no.	Size	dia. D	dia. D1	dia. D2	dia. D3 H7	dia. DN	H1	H2	H3	H4	HA	K1	K2	dia. LK	M
564599	KP10.3	112	111	112	15	22	5,0	16,5	32	40	50	22	27,0	88	M6
564602	KP20.3	138	137	138	15	32	7,5	17,0	40	49	64	-	24,5	115	M6

Subject to technical alterations.

No. 6171LA-XX-09

Clamping module, flange version

Pneumatic opening.

Pneumatic blow-out.

Operating pressure for opening: min. 5 bar - max. 12 bar.

Cover and piston hardened.

Flange housing: stainless steel.

Repetition accuracy < 0.005 mm.

With locking control (pneum.), opening control (pneum.), support

control (pneum.) and pull-stud sensing (pneum.).

NEW!

Order no.	Size	Module installed	Pull-in/locking force up to [kN]	Holding force* [kN]	Blow out	Weight [kg]
564600	KP10.3	6108LA-10-09	10	25	●	3,4
564603	KP20.3	6108LA-20-09	17	55	●	6,5

Application:

Zero-point clamping system for automation solutions for set-up-time-optimised clamping during cutting and non-cutting machining. The pneumatic supply lines can be connected to the side or base using M5 threads. Moreover, the air can be supplied via the floor using the O-rings supplied as standard. The clamping module can be mounted on a plate using the 6210-15-01 centring sleeve or recessed at 3 different depths.

Note:

Locking control: Dynamic pressure with locked clamping modules, flow-through with opened clamping module.

Opening control: Dynamic pressure with opened clamping modules, flow-through with locked clamping module.

Pull-stud sensing: Dynamic pressure with pull-stud present, flow-through if pull-stud is not present.

Support control: static pressure with supported interchangeable pallet, flow-through when no interchangeable pallet is in place.

The installation clamping module is opened pneumatically (1) and locked mechanically by spring force. Subsequent uncoupling of the pressure line is possible at any time (module is clamped at normal pressure).

The flange has six useable connections:

1 = Pneum. Opening

3 = Pneum. blow-out and pneum. support control

4 = Pneum. opening control

5 = Vent

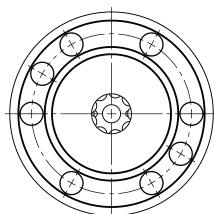
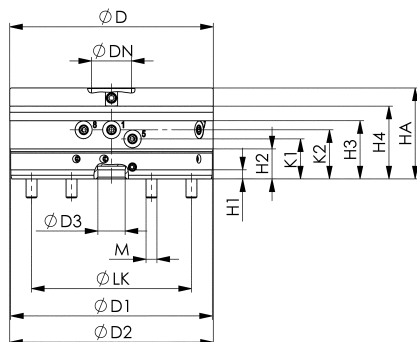
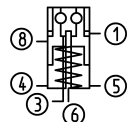
6 = Pneum. pull-stud sensing

8 = Pneum. locking control

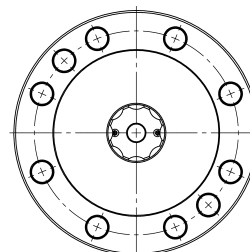
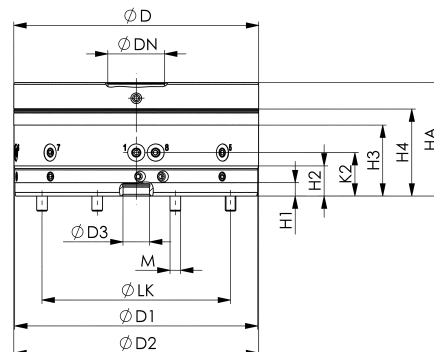
* Please observe the installation instructions.

On request:

- Installation drawing



KP10.3



KP20.3

Dimensions:

Order no.	Size	dia. D	dia. D1	dia. D2	dia. D3 H7	dia. DN	H1	H2	H3	H4	HA	K1	K2	dia. LK	M
564600	KP10.3	112	111	112	15	22	5,0	16,5	32	40	50	22	27,0	88	M6
564603	KP20.3	138	137	138	15	32	7,5	17,0	40	49	64	-	24,5	115	M6

Subject to technical alterations.

No. 6171LA-XX-10

Clamping module, flange version

Pneumatic opening.

Pneumatic blow-out.

Operating pressure for opening: min. 5 bar - max. 12 bar.

Cover and piston hardened.

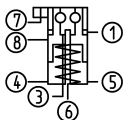
Flange housing: stainless steel.

Repetition accuracy < 0.005 mm.

With locking control (pneum.), opening control (pneum.), support

control (pneum.) and pull-stud sensing (pneum.) and insular

support.



NEW!

Order no.	Size	Module installed	Pull-in/locking force up to [kN]	Holding force* [kN]	Blow out	Weight [kg]
564601	KP10.3	6108LA-10-10	10	25	●	3,4
564604	KP20.3	6108LA-20-10	17	55	●	6,5

Application:

Zero-point clamping system for automation solutions for set-up-time-optimised clamping during cutting and non-cutting machining. The pneumatic supply lines can be connected to the side or base using M5 threads. Moreover, the air can be supplied via the floor using the O-rings supplied as standard. The clamping module can be mounted on a plate using the 6210-15-01 centring sleeve or recessed at 3 different depths.

Note:

Locking control: Dynamic pressure with locked clamping modules, flow-through with opened clamping module.

Opening control: Dynamic pressure with opened clamping modules, flow-through with locked clamping module.

Pull-stud sensing: Dynamic pressure with pull-stud present, flow-through if pull-stud is not present. Support control: static pressure with supported interchangeable pallet, flow-through when no interchangeable pallet is in place.

The installation clamping module is opened pneumatically (1) and locked mechanically by spring force. Subsequent uncoupling of the pressure line is possible at any time (module is clamped at normal pressure).

The flange has seven useable connections:

1 = Pneum. Opening

3 = Pneum. Blow-out

4 = Pneum. opening control

5 = Vent

6 = Pneum. pull-stud sensing

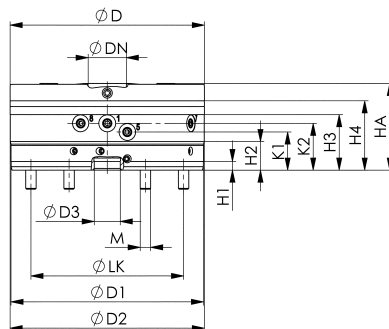
7 = Pneum. support control

8 = Pneum. locking control

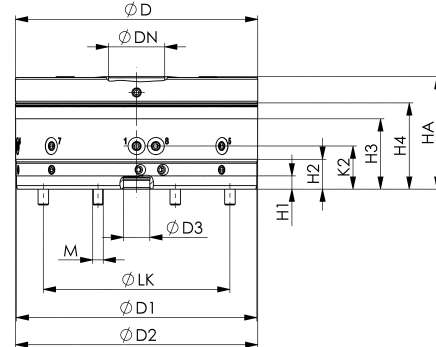
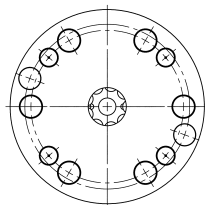
* Please observe the installation instructions.

On request:

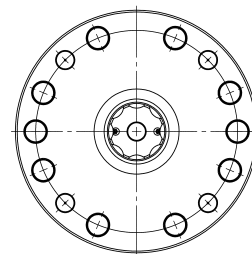
- Installation drawing



KP10.3



KP20.3



Dimensions:

Order no.	Size	dia. D	dia. D1	dia. D2	dia. D3 H7	dia. DN	H1	H2	H3	H4	HA	K1	K2	dia. LK	M
564601	KP10.3	112	111	112	15	22	5,0	16,5	32	40	50	22	27,0	88	M6
564604	KP20.3	138	137	138	15	32	7,5	17,0	40	49	64	-	24,5	115	M6

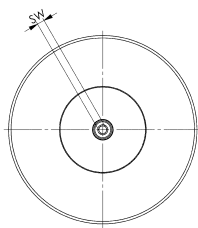
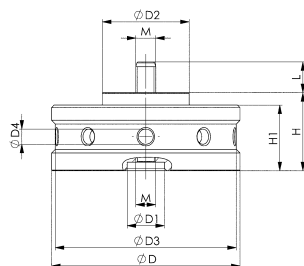
Subject to technical alterations.

No. 6370ZAF

Counterbalance element, zero compensation

Body: plasma-nitrided and burnished.

NEW!



Order no.	Size	Support force	Shear force	Weight
		[N]	[N]	[Kg]
571099	10	5000	10000	1,1
571100	20	6000	20000	2,5

Application:

Counterbalance element to compensate for inaccuracies of the workpiece in relation to the zero-point clamping system. The zero compensation element itself does not have any compensation, it serves as a reference element. The counterbalance element is mounted with a zero-point or undersized pull-stud (size 10 engagement screw: M8, size 20 engagement screw: M12). The element is tightened with a hook spanner.

Note:

The mounting kit 6370ZMWA is available separately for installation of the pull-stud on the counterbalance element.

- Size 10: Order no. 571125

- Size 20: Order no. 571126

* Please observe the installation manual.

Dimensions:

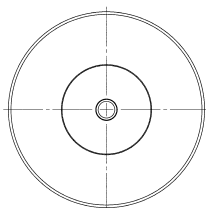
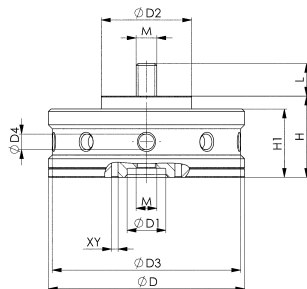
Order no.	Size	dia. D	dia. D1	dia. D2	dia. D3	dia. D4	H	H1	L	M	SW
571099	10	76	15	35	73	6,2	31,5	26,5	12	M8	3
571100	20	108	25	40	100	8,2	39,5	34,5	18	M12	4

No. 6370ZAX

Counterbalance element, xy compensation

Body: plasma-nitrided and burnished.
With XY compensation.

NEW!



Order no.	Size	Support force	Shear force	Weight
		[N]	[N]	[Kg]
571101	10	5000	500	1,0
571102	20	6000	500	2,3

Application:

Counterbalance element to compensate for inaccuracies of the workpiece in relation to the zero-point clamping system in the XY plane. The XY compensation is locked without distortion by clamping the clamping module. The counterbalance element is secured with an undersized pull-stud (size 10 engagement screw: M8, size 20 engagement screw: M12) and tightened with a hook spanner.

Note:

The mounting kit 6370ZMWA is available separately for installation of the pull-stud on the counterbalance element.

- Size 10: Order no. 571125

- Size 20: Order no. 571126

* Please observe the installation manual.

Dimensions:

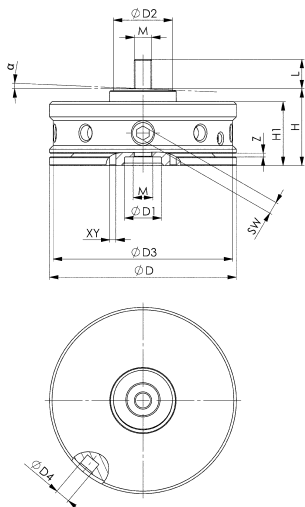
Order no.	Size	dia. D	dia. D1	dia. D2	dia. D3	dia. D4	H	H1	L	M	XY
571101	10	76	15	35	73	6,2	31,5	26,5	12	M8	+/- 2,5
571102	20	108	25	40	100	8,2	39,5	34,5	16	M12	+/- 5,0

No. 6370ZAW

Counterbalance element, xyzalpha compensation

Body: plasma-nitrided and burnished.
With XY compensation, Z compensation and angle compensation.

NEW!



Order no.	Size	Contact force [N]	Support force [N]	Shear force [N]	Z compensation tightening torque [Nm]	Weight [Kg]
571103	10	15-30	4000	500	30	1,0
571105	20	10-30	4000	500	30	2,1

Application:

Counterbalance element to compensate for inaccuracies of the workpiece in relation to the zero-point clamping system in the XY plane and the Z-axis. The counterbalance element also has an angle compensation of $\pm 3^\circ$. The element attaches itself by spring force and is then fastened by actuating the threaded stud. The counterbalance element is extended in the normal position. The XY compensation is locked without distortion by clamping the clamping module. The counterbalance element is mounted with an undersized pull-stud (size 10 engagement screw: M8, size 20 engagement screw: M12) and tightened with a hook spanner.

Note:

The mounting kit 6370ZMWA is available separately for installation of the pull-stud on the counterbalance element.

- Size 10: Order no. 571125

- Size 20: Order no. 571126

* Please observe the installation manual.

Dimensions:

Order no.	Size	D	dia. D1	dia. D2	dia. D3	dia. D4	H	H1	L	M	XY	Z	α	SW
571103	10	76	15	24	73	6,2	31,5	26	12	M8	+/- 2,5	+/- 1,5	+/- 3°	5
571105	20	108	25	30	100	8,2	39,5	34	14	M12	+/- 5,0	+/- 2,5	+/- 3°	5

No. 6370ZMWA

Mounting kit

For counterbalance elements sizes 10 and 20.

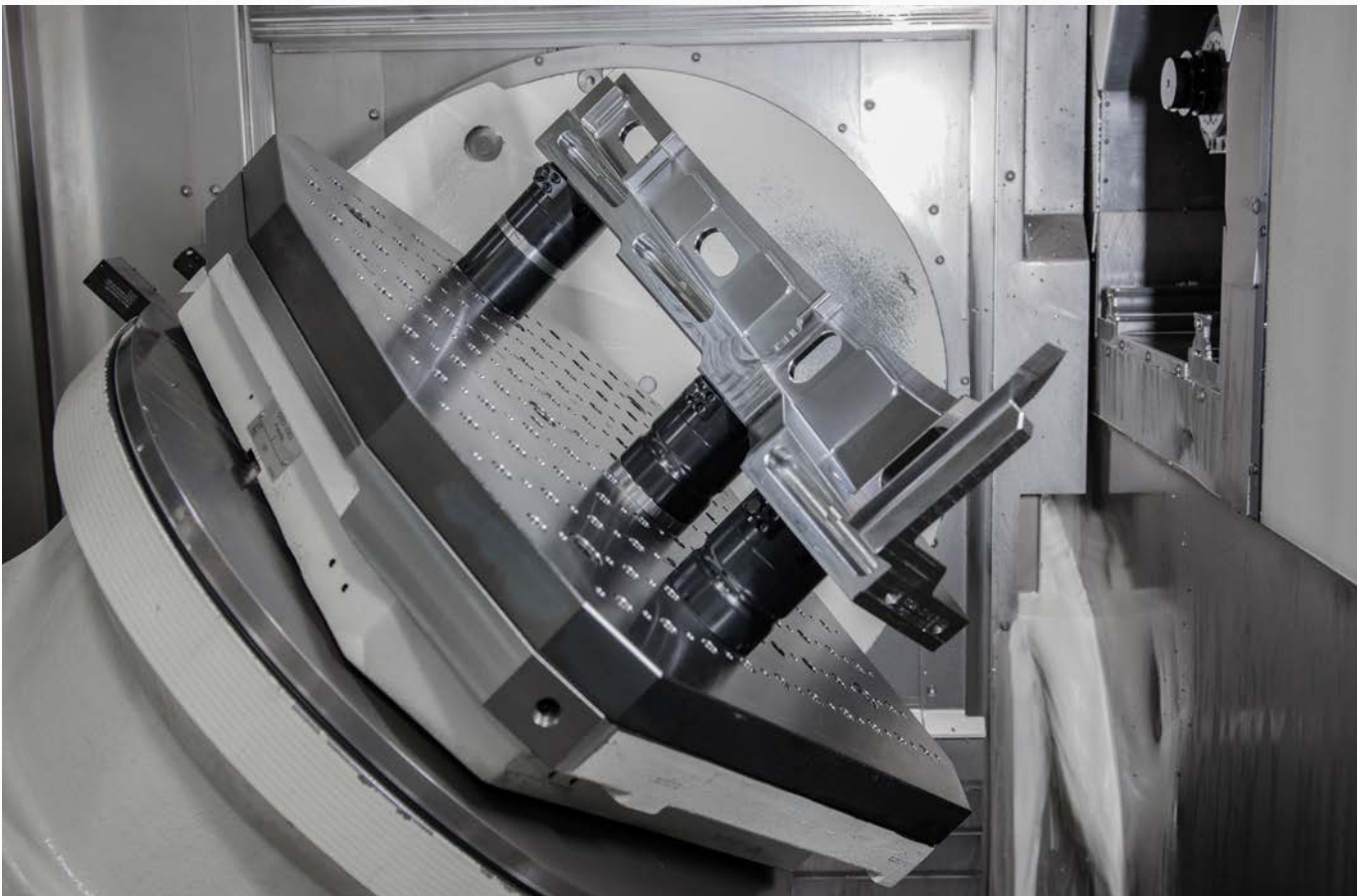
NEW!



Order no.	Size	Weight [g]
571125	10	300
571126	20	850

Application:

Mounting kit consisting of two mounting tools for installation of the pull-studs on the counterbalance elements 6370ZAF, 6370ZAX and 6370ZAW.



Subject to technical alterations.

No. 6370ZN-5

Pull-stud size 5 for M8 engagement screw

Hardened, for clamping modules size 5.



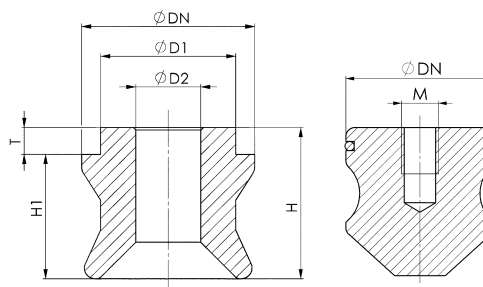
Order no.	Size	dia. DN	dia. D1	dia. D2	H	H1	M	T	Weight [g]
562192	5	15,0	11	8	11,9	9,4	-	2,5	8
562193	5	15,0	11	8	11,9	9,4	-	2,5	8
562194	5	14,8	11	8	11,9	9,4	-	2,5	8
306076	5	14,8	-	-	-	-	M 6	-	12

Design:

order no. 562192: zero point pull-stud, order no. 562193: timing pull-stud, order no. 562194: undersize pull-stud, order no. 306076: protection pull-stud

On request:

Protection pull-stud made of plastic.



No. 6370ZN-10

Pull-stud size 10 for M10 engagement screw

Hardened, for clamping modules size 10.



Order no.	Size	dia. DN	dia. D1	dia. D2	H	H1	M	T	Weight [g]
554936	10	22,0	15	10	19	16	-	3	27
554937	10	22,0	15	10	19	16	-	3	27
554938	10	21,8	15	10	19	16	-	3	27
304535	10	21,8	-	-	-	-	M 8	-	30

Design:

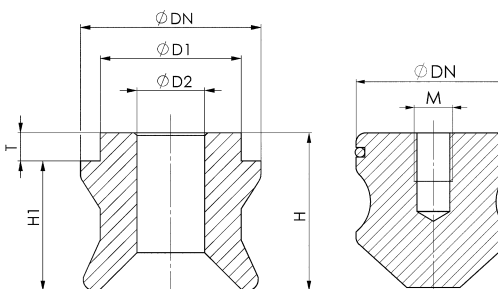
order no. 554936: zero point pull-stud, order no. 554937: timing pull-stud, order no. 554938: undersize pull-stud, order no. 304535: protection pull-stud

Note:

The timing pull-stud has an additional alignment bore, which can optionally be used for simple installation.

On request:

Protection pull-stud made of plastic.



No. 6370ZN-20

Pull-stud size 20 for M16 engagement screw

Hardened, for clamping modules size 20.



Order no.	Size	dia. DN	dia. D1	dia. D2	H	H1	M	T	Weight [g]
554939	20	32,0	25	16	28	23	-	5	85
554940	20	32,0	25	16	28	23	-	5	85
554941	20	31,7	25	16	28	23	-	5	85
303172	20	31,8	-	-	-	-	M 8	-	110

Design:

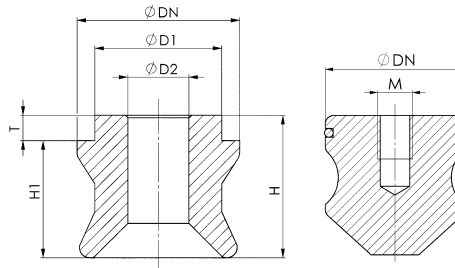
Order no. 554939: zero point pull-stud, order no. 554940: timing pull-stud, order no. 554941: undersize pull-stud, order no. 303172: protection pull-stud

Note:

The timing pull-stud has an additional alignment bore, which can optionally be used for simple installation.

On request:

Protection pull-stud made of plastic.



No. 6370ZNS-001

Engagement screw

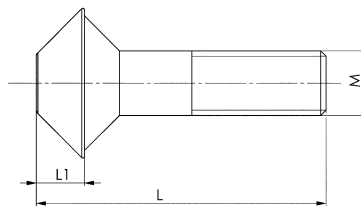
Strength class 12.9.



Order no.	Size	Holding force [kN]	L	L1	M	TORX	Weight [g]
554926	5	13,0	29	3,4	M8	T30	13
554927	10	25,0	41	6,0	M10	T45	32
554928	20	55,0	63	9,5	M16	T60	125

On request:

Engagement screws in various lengths and materials (e.g. STAINLESS STEEL).



No. 6370ZNAS

Compensation pull-stud

Hardened, for hydraulic and pneumatic clamping modules.
Suitable for engagement screws no. 6370ZNSAS.



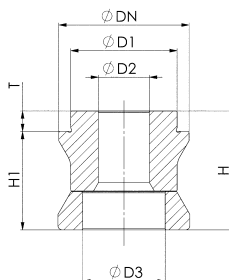
NEW!



Order no.	Size	Ausgleich	dia. DN	dia. D1	dia. D2	dia. D3	H	H1	T	Weight [g]
571109	5	+/- 0,3	14,4	10	6	9,6	12,75	10,25	2,5	9
571110	10	+/- 0,5	21,0	15	8	13,5	19,00	16,00	3,0	26
571111	20	+/- 0,7	30,6	25	12	19,4	27,90	23,10	4,8	90
571112	40	+/- 1,0	38,0	25	16	25,0	33,90	29,10	4,8	155

Note:

The compensation pull-stud is supported by bearings so that it is radially mobile and is used when large distance tolerances between the pull-stud holes have to be compensated. The pull-stud has only a holding function and does not take on any lateral loads.



No. 6370ZNSAS

Engagement screw

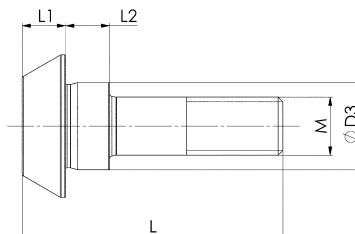
Strength class 12.9.
Suitable for compensating pull-stud no. 6370ZNAS.



NEW!



Order no.	Size	Holding force [kN]	dia. D3	L	L1	L2	M	Weight [g]
571113	5	5	9,0	25	3,4	3,75	M6	8
571114	10	10	12,5	37	6,0	5,80	M8	30
571115	20	20	18,0	54	9,0	9,10	M12	82
571116	40	30	23,0	68	10,0	8,60	M16	153



No. 6370ZAD

Sealing ring

Material: NBR

NEW!



Order no.	Size	VE [pcs]	dia. D*	H	Weight [g]
573405	5	4	53	9	18
573406	5.3 / 10	4	78	11	40
573407	10.2 / 10.3 / 20 / 20.4	4	112	12,8	80

Design:

Sealing ring made of NBR for ZPS installation clamping modules. This is fastened to the outside diameter of the module cover. Exception: The size 5 sealing ring is fixed in an additional groove in the base plate.

Application:

The sealing ring is used as a protection to prevent liquids and dirt from entering the clamping module.

Note:

* The diameter refers to the installed condition.

AufAnfrage:

- Installation drawings when used with size 5 installation clamping modules.



No. 6363WSK

Workpiece stabilizer

With thread length adjustment.

NEW!



Order no.	G1 [mm]	G2 [mm]	G3 [mm]	Hmin [mm]	Hmin [mm]	H1 [mm]	H2 [mm]	W [°]	Weight [g]
573701	M12	M30x1,5	M28x1,5	310	360	30,2	14,8	30	1210

Application:

Workpiece stabiliser for versatile applications in the field of vibration damping and stabilisation of workpieces during machining.

Features:

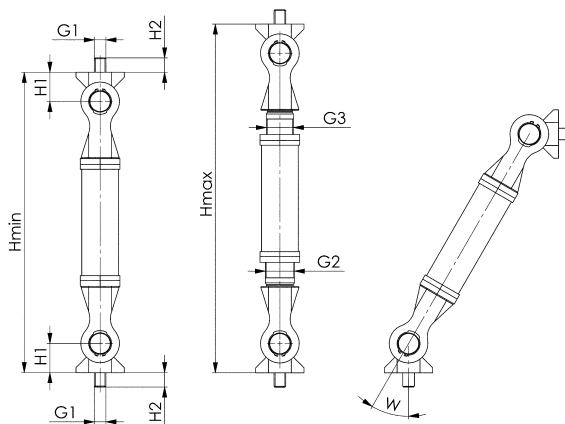
Changes in length due to rotation of the carbon pipe. Both joints are freely rotatable in all directions and each equipped with an M12 screw.

Advantage:

Reduction in vibrations on the component during machining. This results in improved tool lives and increased feed rates.

Note:

Easy access to the hexagon socket of the M12 screw is possible from angle specification W. For fastening to each component, we recommend a magnetic block order no. 570521.



No. 6363WSKV

Extension pipe

Carbon extension pipe for the workpiece stabiliser 6363WSK

NEW!



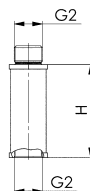
Order no.	G2 [mm]	H [mm]	Weight [g]
573704	M30x1,5	100	310
573705	M30x1,5	200	340
573706	M30x1,5	300	370

Application:

Extends the workpiece stabiliser 6363WSK for attachment to larger components.

Features:

Carbon-Rohr mit Außengewinde.



No. 6363WS

Workpiece stabilizer

With telescopic function and thread length adjustment.

NEW!

Bestell-Nr.	G [mm]	H min. [mm]	H max. [mm]	H1 [mm]	H2 [mm]	Weight [Kg]
570517	M12	520	610	30,2	14,8	2,0
570518	M12	600	800	30,2	14,8	2,3
570519	M12	800	1150	30,2	14,8	2,7
570520	M12	1200	1700	30,2	14,8	3,5

Application:

Workpiece stabiliser for versatile applications in the field of vibration damping and stabilisation of workpieces during machining.

Features:

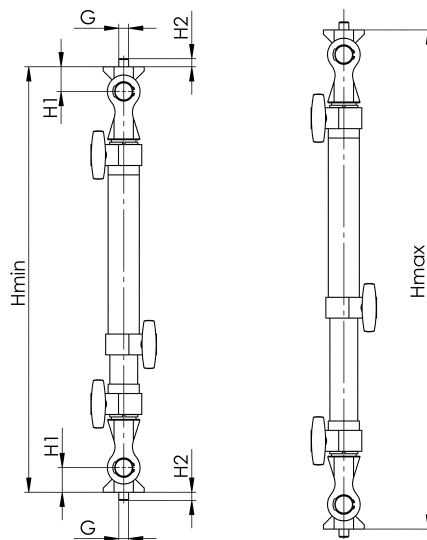
Outer and inner tube made of carbon fibre and filled with high-performance concrete. Both ends are equipped with a joint that can be rotated freely in all directions and an M12 fitting.

Advantage:

Reduction in vibrations on the component during machining. This results in improved tool lives and increased feed rates.

Note:

For fastening to each component, we recommend a magnetic block order no. 570521.



No. 6363WSZM

Magnetic block

NEW!



Order no.	Holding force up to [Kg]	M	L x B x H [mm]	Weight [Kg]
570521	500	12	143 x 64 x 51	3,4

Application:

Permanent magnet incl. adapter plate that can be activated mechanically for fastening workpiece stabilisers 6363WS and 6363WSK.

Note:

When using the workpiece stabilizers in conjunction with adaptable magnets, the magnets must first be fixed to the workpiece and to the machine table or corresponding consoles.

No. 6363WSZZ

Collet

NEW!



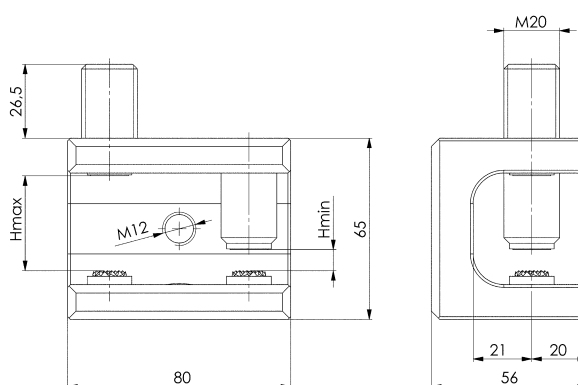
Order no.	H min. [mm]	H max. [mm]	Weight [g]
572207	7	34	1400

Application:

Collet made of steel with gripper inserts for installation on the workpiece stabiliser 6363WS and 6363WSK for attachment to different T-groove sizes or threaded holes.

On request:

Other designs available on request.



No. 6363WSZA

Workpiece stabiliser adapter

NEW!



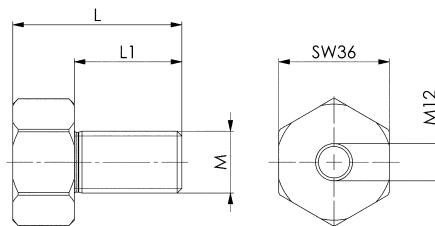
Order no.	M [mm]	L [mm]	L1 [mm]	Weight [g]
572204	M16	50	30	205
572205	M20	55	35	244
572206	M24	60	40	295

Application:

Steel thread adapter in three sizes for fastening the workpiece stabiliser 6363WS and 6363WSK to different T-groove sizes or threaded holes. Reduces the thread to M12.

On request:

Other designs available on request.



Subject to technical alterations.

MECHANICAL CENTRIC CLAMP

**FOR PRECISE AND REPEATABLE WORKPIECE CLAMPING
IN MODERN MILLING OPERATIONS - FROM INDIVIDUAL
PARTS TO SERIES PRODUCTION**

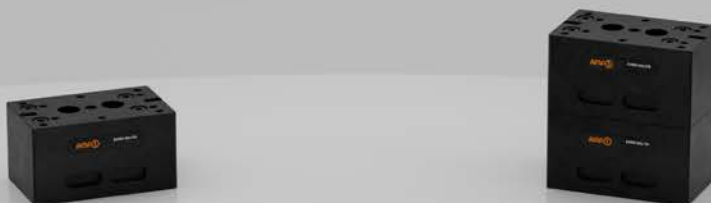
AMF's mechanical centric clamping device has been developed for demanding milling applications. It enables precise and reliable workpiece clamping – even for complex components and in automated manufacturing processes.

As a targeted addition to the AMF clamping technology range, it helps users to organise their production efficiently, flexibly and reliably.

CLAMPING ELEMENTS & JAWS



INTERMEDIATE ELEMENTS



BASE PLATES



Subject to technical alterations.

No. 6390M

Mechanical centric clamp

Body: Plasma-nitrided tool steel.

Spindle: Coated tempered steel.

Without clamping jaws, with fastening bolts and cover caps.

NEW!



Order no.	Size B [mm]	L [mm]	H [mm]	Md* [Nm]	FSp* [kN]	SW [mm]	Weight [g]
573881	49	70	32	30	6	7	683
573882	80	130	50	50	25	13	3153
573883	125	200	70	250	75	17	10942

* Theoretical, preliminary information

Expected to be available from 1 March 2027

Application:

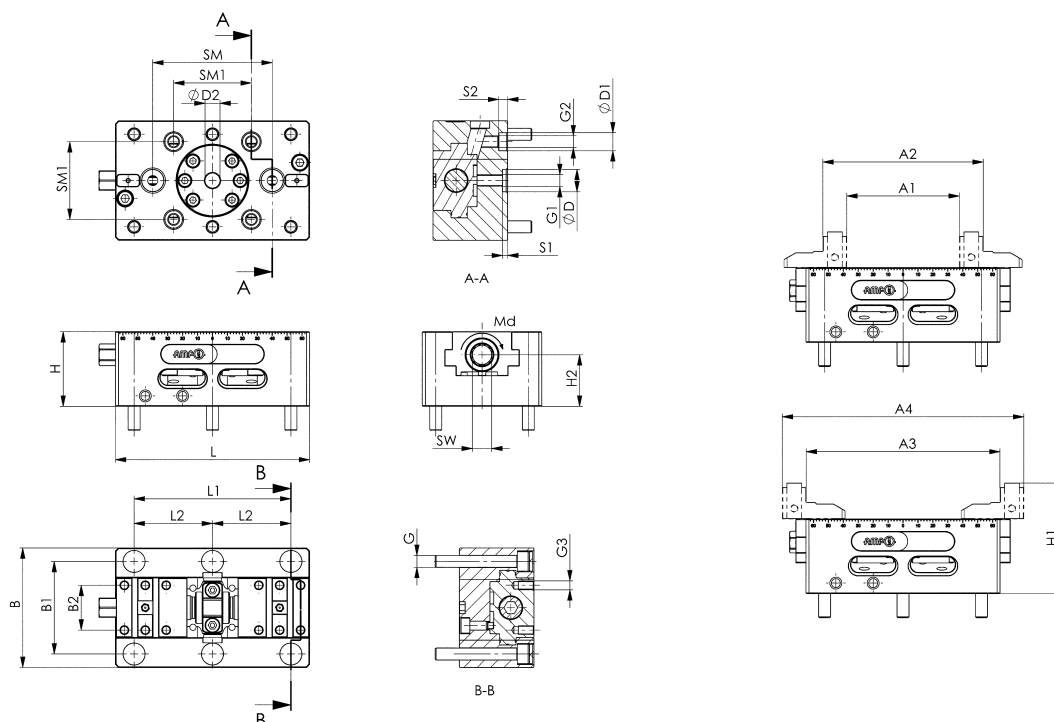
For reliable workpiece clamping, from single parts to series production. Suitable for demanding machining tasks, complex components and automated production processes.

Advantage:

- Compatible with the zero-point system and modular fixture system from AMF, as well as Zero-point clamping systems with pitch spacing 52 mm / 96 mm
- Repeat accuracy 0.01 mm, centring accuracy ± 0.02 mm
- High clamping forces
- Laser-etched ruler on both sides
- Coated spindle for reducing wear, minimising friction values, Reliable clamping forces
- Integrated lubrication by installation of funnel-type lubrication nipples
- Magnetic cover caps for protecting the fastening bolts
- Optimum spindle length for implementing variable clamping options
- Ideal for 5-axis and multi-sided machining
- Flexible use with different workpieces and applications.

Comprehensive accessories:

- Intermediate elements for adaptation to AMF hole patterns and foot elements
- Foot elements for adaptation to AMF zero point systems, hole pattern and T-grooves
- Clamping jaws smooth, grip, double grip, prism
- Stops



Dimensions:

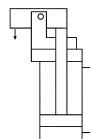
Order no.	Size B [mm]	B1 [mm]	B2 [mm]	dia. D [mm]	dia. D1 [mm]	dia. D2 [mm]	G [mm]	G1 [mm]	G2 [mm]	G3 [mm]	H1 [mm]	H2 [mm]	L1 [mm]	L2 [mm]	S1 [mm]	S2 [mm]	SM [mm]	SM 1 [mm]	A1 [mm]	A2 [mm]	A3 [mm]	A4 [mm]
573881	49	38,5	20	-	12	6	M5	-	M8	M5	46	22,5	53	26,5	-	6	-	52	0-39	22-60,5	34-55	56-78
573882	80	62	30	15	12	10	M8	M8	M8	M6	74	34,5	105	52,5	3,5	6	80	52	0-75	32-107	54-129	86-161
573883	125	103	54	25	16	16	M12	M12	M10	M10	100	45,5	160	80	5,5	6	120	96	0-117	40-156	91-208	131-247

Subject to technical alterations.

No. 6958DH

Vertical clamp with pivot arm

Double-acting,
max. operating pressure 250 bar,
min. operating pressure 25 bar.



NEW!



Order no.	Article no.	Piston force F5 at 100 bar [kN]	Piston force F5 at 200 bar [kN]	Vol. Sp [cm³]	eff. piston area Sp [cm²]	Md max. [Nm]	Q max. [l/min]	Weight [g]
570469	6958DH-12	1,7	3,5	1,06	1,77	3	0,2	84
570470	6958DH-16	2,5	5,1	2,03	2,54	6	0,3	185
570471	6958DH-20	4,5	9,0	4,52	4,52	10	0,6	340
570472	6958DH-25	7,0	13,9	8,82	7,06	25	1,2	563
570473	6958DH-32	10,1	20,3	16,27	10,17	49	2,4	1219

Sp = Clamp, Lo = Unclamp

Design:

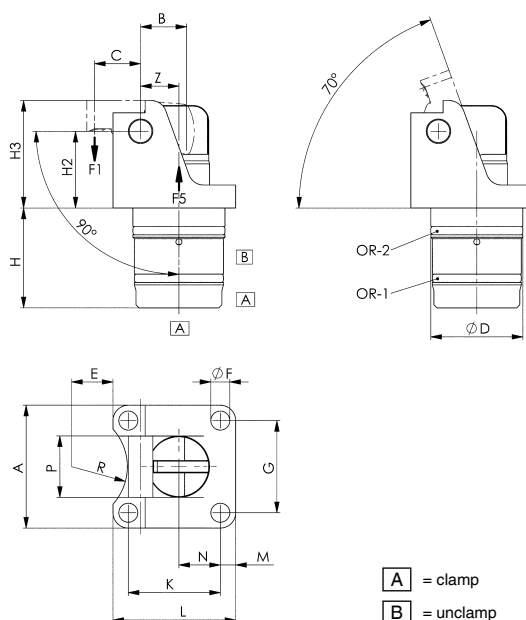
Body from steel. External surface, nickel-plated. Clamp arm not included. Oil supply via oil channel in fixture body. Cylinder screws in accordance with ISO 4762, strength class 12.9, slightly oiled, included in scope of supply.

Application:

Thanks to its compact design, the vertical clamp with pivot arm is particularly suitable for use in clamping fixtures with limited installation space. The large opening angle of the clamping arm makes it easy to load and unload the fixture. The double-acting vertical clamp is highly suited to clamping in clamping pockets. For clearly defined return movements.

Features:

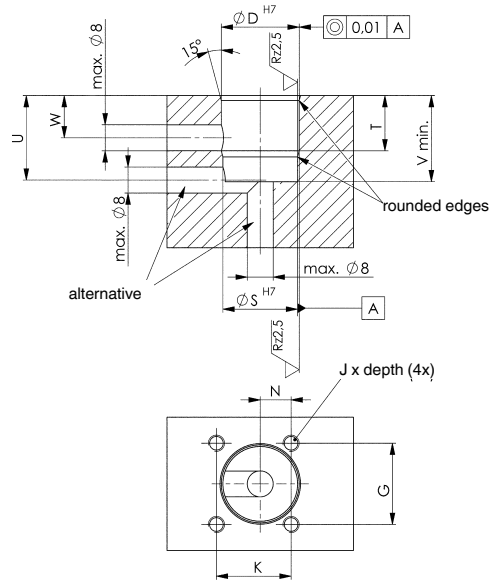
Small dimensions, can be installed closely spaced side-by-side. The horizontal centre axis at the clamping lever and the pressure point on the workpiece lie in one plane. This prevents relative movement on the workpiece. The permissible clamping range is +/- 1,5°.



Dimensions:

Order no.	Article no.	A	B	dia. D	E	dia. F	G	H	H2	H3	K	L	M	N	P	R	Z	OR-1 O-ring Order No.	OR-2 O-ring Order No.
570469	6958DH-12	27	9,00	20	7,5	4,1	19,5	21,0	15,00	21,00	18,5	26	3,75	8,75	12	10,6	7,50	570589	570590
570470	6958DH-16	34	11,84	24	10,0	5,2	25,0	26,0	20,00	28,00	23,0	32	4,50	9,50	16	14,2	10,00	570591	570592
570471	6958DH-20	40	15,00	30	13,5	6,2	30,0	32,5	25,00	35,00	30,0	40	5,00	13,50	20	18,2	12,50	570593	570594
570472	6958DH-25	52	18,75	36	11,0	8,2	38,5	37,0	31,25	43,75	35,5	49	6,75	14,75	25	18,7	15,63	570595	570596
570473	6958DH-32	66	24,00	45	9,0	10,2	49,0	42,0	40,00	56,00	45,0	62	8,50	18,50	32	19,7	20,00	570597	570598

Subject to technical alterations.



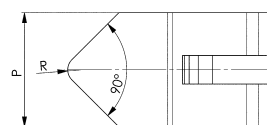
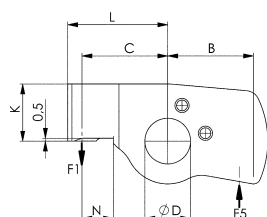
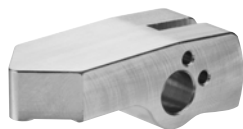
Installation dimensions:

Order no.	Article no.	dia. D H7	G	K	N	dia. S H7	T	U	V min.	W	J x depth
570469	6958DH-12	20	19,5	18,5	8,75	19,4	14	23	21,5	11	M4 x 8
570470	6958DH-16	24	25,0	23,0	9,50	23,0	17	26	26,5	13	M5 x 11
570471	6958DH-20	30	30,0	30,0	13,50	29,0	19	31	33,0	14	M6 x 10
570472	6958DH-25	36	38,5	35,5	14,75	35,0	20	33	38,0	15	M8 x 12
570473	6958DH-32	45	49,0	45,0	18,50	44,0	23	38	43,0	17	M10 x 16

No. 6958DH-XX-04

Clamping arm

NEW!



Order no.	Article no.	Clamping force F1 at 100 bar [kN]	Clamping force F1 at 200 bar [kN]	B	C	dia. D	K	L	N	P	R	Weight [g]
570530	6958DH-12-04-01	1,7	4,4	9,00	9,0	5	6,0	10,5	3,5	12	1,5	12
570531	6958DH-12-04-02	1,1	3,0	9,00	13,5	5	6,0	15,0	3,5	12	1,5	14
570532	6958DH-12-04-03	8,0	2,2	9,00	18,0	5	6,0	19,5	3,5	12	1,5	17
570533	6958DH-16-04-01	2,5	6,4	12,00	12,0	6	8,0	14,0	4,5	16	2,0	29
570534	6958DH-16-04-02	1,7	4,2	12,00	18,0	6	8,0	20,0	4,5	16	2,0	35
570535	6958DH-16-04-03	1,2	3,2	12,00	24,0	6	8,0	26,0	4,5	16	2,0	41
570536	6958DH-20-04-01	4,5	11,3	15,00	15,0	8	10,0	17,5	5,5	20	2,5	53
570537	6958DH-20-04-02	3,0	7,5	15,00	22,5	8	10,0	25,0	5,5	20	2,5	65
570538	6958DH-20-04-03	2,2	5,7	15,00	30,0	8	10,0	32,5	5,5	20	2,5	77
570539	6958DH-25-04-01	7,0	17,4	18,75	19,0	10	12,5	22,0	6,0	25	3,0	106
570540	6958DH-25-04-02	4,7	11,6	18,75	28,5	10	12,5	31,5	6,0	25	3,0	128
570541	6958DH-25-04-03	3,5	8,7	18,75	38,0	10	12,5	41,0	6,0	25	3,0	150
570542	6958DH-32-04-01	10,1	25,4	24,00	24,0	12	16,0	28,0	7,0	32	4,0	227
570543	6958DH-32-04-02	6,7	17,0	24,00	36,0	12	16,0	40,0	7,0	32	4,0	273
570544	6958DH-32-04-03	5,0	12,7	24,00	48,0	12	16,0	52,0	7,0	32	4,0	318

Design:

Clamping arm, case-hardened steel.

Application:

For vertical clamp with pivot arm 6958DH.

Note:

Clamping pressure, lever ratio, flow volume and clamp arm weight must always be observed.

No. 6958DHR-XX-04

Clamping arm blank

NEW!



Order no.	Article no.	B	C	dia. D	K	N	P	R	Weight [g]
570545	6958DHR-12-04	9,0	24	5,0	6,0	22,50	12,0	4,00	21
570546	6958DHR-16-04	12,0	30	6,0	8,0	20,83	16,0	4,00	48
570547	6958DHR-20-04	15,0	40	8,0	10,0	27,50	20,0	6,66	95
570548	6958DHR-25-04	18,8	50	10,0	12,5	35,33	25,0	6,25	183
570549	6958DHR-32-04	24,0	64	12,0	16,0	45,27	32,0	8,00	388

Design:

Clamping arm plate, unhardened steel.

Application:

For vertical clamp with pivot arm 6958DH.

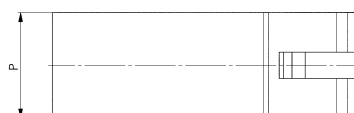
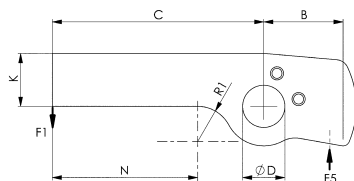
Note:

Clamping pressure, lever ratio, flow volume and clamp arm weight must always be observed.

Formula to determine the clamping force F1:

Clamping force = F1 [kN], piston force = F5 [kN], operating lever = B [mm], load lever = C [mm]

$F1 = F5 \times B / C$



CONFIGURE INDIVIDUALLY. CLAMP PERFECTLY.

PRODUCT CONFIGURATOR FOR HYDRAULIC SWIVEL CLAMPS WITHOUT SWIVEL STROKE

Every clamping situation presents its own challenges. With the new AMF product configurator for hydraulic swivel clamps without swivel stroke, you can create your ideal clamping solution quickly, easily and precisely tailored to the installation space, workpiece geometry and machining process.

As these swivel clamps do not perform any axial movement during the swivelling motion, the swivelling space is reduced to a minimum. This makes it possible to swivel the clamp into narrow gaps, tight grooves or closely spaced ribs without any problems.

In addition, the rapid movements reduce non-productive times and increase the cost-effectiveness of your production. Thanks to the innovative AMF design with separate mechanisms for rotary and linear stroke, the system also offers maximum safety: an integrated mechanical lock prevents the clamp from unscrewing in the event of a pressure drop and reliably secures your workpiece.

Configure your bespoke swivel clamp without a swivel stroke now!
www.amf.de/configurator

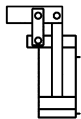
**CONFIGURE YOUR BESPOKE
 SWIVEL CLAMP NOW WITHOUT A
 SWIVEL STROKE – TAILORED PRECISELY
 TO YOUR APPLICATION.**



No. 6958EFT

Vertical clamp, flange design

Vertical clamp, flange design, double-acting,
max. operating pressure 250 bar,
min. operating pressure 15 bar.



NEW!



Order no.	Article no.	Piston force at 100 bar [kN]	Piston force at 250 bar [kN]	Vol. Sp [cm³]	Vol. Lo [cm³]	Piston dia. [mm]	eff. piston area Sp [cm²]	eff. piston area Lo [cm²]	Weight [g]
570465	6958EFT-20	3,1	7,8	6,6	2,3	20	3,1	1,10	561
570466	6958EFT-30	7,0	17,5	22,6	7,8	30	7,0	2,54	1734

Sp = clamp, Lo = unclamp

Design:

Body from steel. External surface, nickel-plated. Clamp arm not included. One cylinder pin for fine adjustment enclosed separately. Oil supply via oil channel in fixture body.

Screws in accordance with ISO 4762, strength class 12.9, slightly oiled, included in scope of supply.

Application:

The vertical clamp is especially suited for clamping fixtures in which oil is supplied through conduits drilled in the fixture body.

Features:

Can be positioned close to the workpiece. Clamping lever opens 90°, resulting in easy loading or removal of the workpieces, manually or by robots.

Note:

The insertion bevels for the seals must not have any sharp transitions.

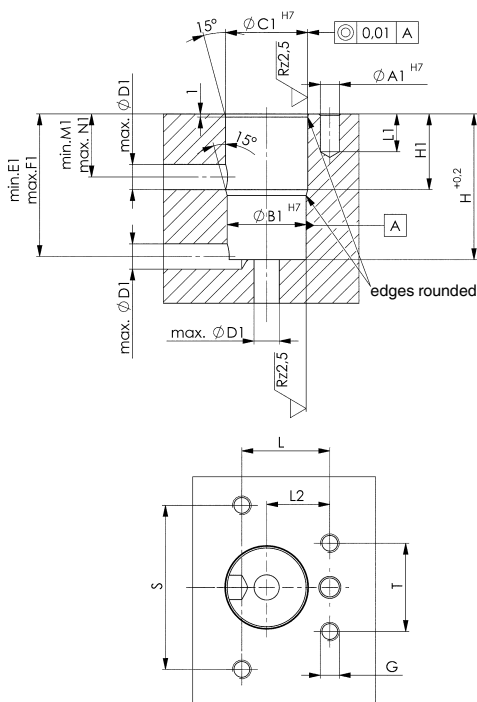
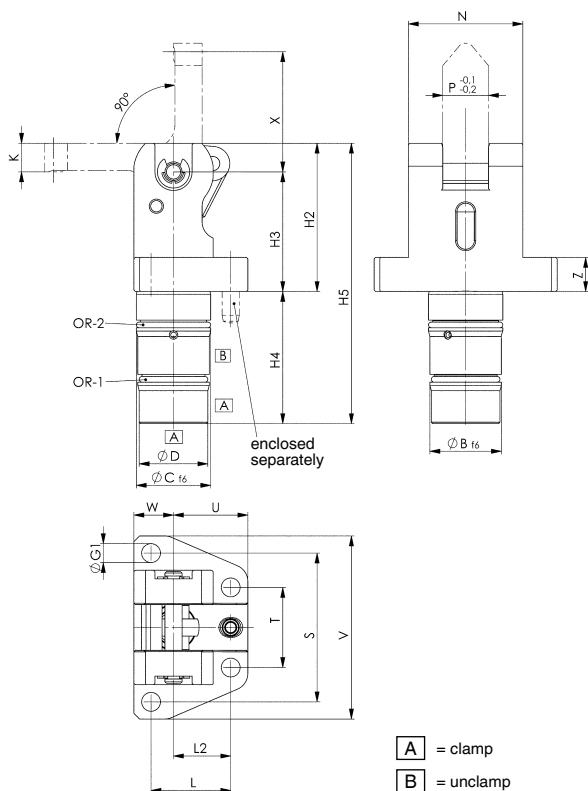
Lubricate housing for mounting. Matching clamping arm, see 6958E-XX-00-0X, 6958E-XX-00.

On request:

For the version with pneumatic monitoring, it is also possible to query whether the clamping arm is open or closed.

Versions with pneumatic monitoring are available on request.

Installation dimensions:



Dimensions:

Order no.	Article no.	ØB f6	ØC f6	dia. D	ØG1	H2	H3	H4	H5	K	L	L2	N	P	S	T	U	V	W	Z
570465	6958EFT-20	25	26	24	6,6	51,8	41,8	46,2	98	10	27,9	20	40	16	52	28	26	64	13,9	11,9
570466	6958EFT-30	37	38	36	9,0	77,0	62,0	69,0	146	15	41,8	29	56	24	72	40	37	88	20,8	19,0

Installation dimensions:

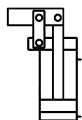
Order no.	Article no.	ØA1 H7	B1 H7	dia. C1 H7	max. ØD1	min. E1	max. F1	G x depth	H1	H +0.2	L	L1	L2	min. M1	max. N1	S	T	OR-1 O-ring Order No.	OR-2 O-ring Order No.
570465	6958EFT-20	6,02	25	26	8	45,2	47,2	M6 x 12	25	46,2	27,9	12	20	19,0	21,0	52	28	554575	554576
570466	6958EFT-30	8,02	37	38	10	68,0	70,0	M8 x 18	35	69,0	41,8	16	29	27,5	29,5	72	40	554577	554578

Subject to technical alterations.

No. 6958E-XX

Vertical clamp, cartridge flange

Double-acting,
max. operating pressure 250 bar,
min. operating pressure 15 bar



Order no.	Article no.	Piston force F5 at 100 bar [kN]	Piston force F5 at 250 bar [kN]	Vol. Sp [cm ³]	Vol. Lo [cm ³]	Piston dia. [mm]	eff. piston area Sp [cm ²]	eff. piston area Lo [cm ²]	Weight [g]
328013	6958E-20	3,1	7,8	6,6	2,3	20	3,1	1,10	350
328039	6958E-30	7,0	17,5	22,6	7,8	30	7,0	2,54	1100
562196	6958E-50	19,6	49,0	93,3	37,1	50	19,6	7,8	3850

Sp = clamp, Lo = unclamp

Design:

Housing made of steel, outer surface nickel-coated, piston rod hardened. Clamp arm not included.
Housing with two holes for connection of anti-twist protection.
One cylinder pin for anti-rotation device is enclosed loose. Oil supply via oil channel in fixture body.

Application:

The Vertical clamp is especially suited for clamping fixtures in which oil is supplied through conduits drilled in the fixture body. Insert for clamping fixtures with limited space. Installation of the vertical clamp can be adjusted 360°.

Features:

Large clamping force in the smallest installation space. Clamping lever opens 90°, resulting in easy loading or removal of the workpieces, manually or by robots.

Note:

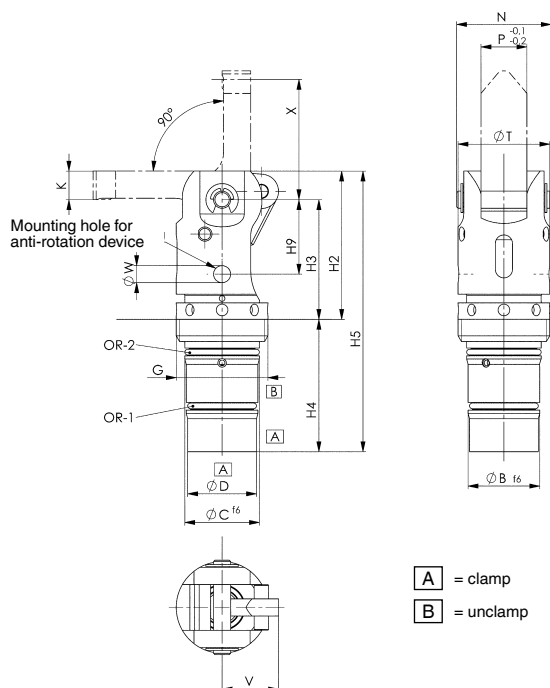
The insertion bevels for the seals must not have any sharp transitions.

Mill the thread up to the flat. Lubricate housing for mounting.

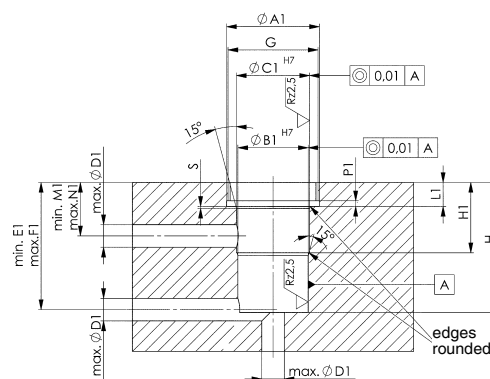
For installation, use hook spanner for size 20 = order no. 54916 and for size 30 = order no. 54940 and for size 50 = order no 54973.

On request:

Other sizes available on request.



Installation dimensions:



Dimensions:

Order no.	Article no.	dia. B	dia. C	dia. D	G	H2	H3	H4	H5	H9	N	P	K	dia. T	V	dia. W
328013	6958E-20	25	26	24	M32x1,5	51,8	41,8	46,2	98	26	33,0	16	10	32	19,69	6
328039	6958E-30	37	38	36	M48x1,5	77,0	62,0	69,0	146	38	49,5	24	15	48	29,54	8
562196	6958E-50	59	60	58	M72x2.0	116.0	93.0	99.0	215	57	73.0	40	23	72	48.43	12

Installation dimensions:

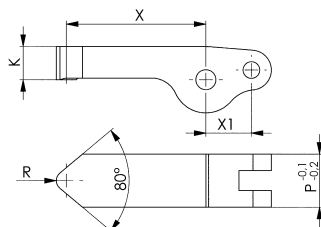
Order no.	Article no.	dia. A1	B1 H7	dia. C1 H7	dia. D1	min. E1	max. F1	G	H	H1	L1	min. M1	max. N1	P1	S	OR-1 O-ring Order No.	OR-2 O-ring Order No.
328013	6958E-20	33	25	26	8	45,2	47,2	M32x1,5	46,2	25	8,5	19,0	21,0	2,0	0,7	554575	554576
328039	6958E-30	49	37	38	10	68,0	70,0	M48x1,5	69,0	35	12,0	27,5	29,5	2,5	0,6	554577	554578
562196	6958E-50	73	59	60	12	97,0	101,0	M72x2,0	99,0	55,1	16,0	34,5	38,5	2,5	1,0	562535	562536

Subject to technical alterations.

No. 6958E-XX-00-0X

Clamping arm out of steel

NEW!



Order no.	Article no.	Clamping force at 100 bar [kN]	Clamping force at 250 bar [kN]	X	X1*	K	P	R	Weight [g]
328054	6958E-20-00-01	1,38	3,46	28	13,7	10	16	3	66
328070	6958E-20-00-02	1,11	2,72	35	13,7	10	16	3	74
328096	6958E-20-00-03	0,92	2,30	42	13,7	10	16	3	82
328062	6858E-30-00-01	3,19	7,96	41	20,5	15	24	5	215
328088	6958E-30-00-02	2,56	6,40	51	20,5	15	24	5	242
328104	6958E-30-00-03	2,14	5,35	61	20,5	15	24	5	270
562252	6958E-50-00-01	9,25	23,13	64	33,5	23	40	6	844
562253	6958E-50-00-02	7,50	18,74	79	33,5	23	40	6	950
562254	6958E-50-00-03	6,30	15,75	94	33,5	23	40	6	1056

*X1 = Lever length at 90°

Design:

Case-hardening steel, case-hardened.

Application:

For vertical clamps 6958E and 6958EFT.

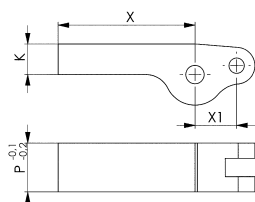
Note:

Clamping pressure, leverage, flow volume and clamp arm weight must always be observed.

No. 6958E-XX-00

Clamping arm blank from steel

NEW!



Order no.	Article no.	X	X1*	K	P	Weight [g]
328112	6958E-20-00	45	13,7	10	16	88
328120	6958E-30-00	66	20,5	15	24	287
562250	6958E-50-00	100	33,5	23	40	1130

*X1 = Lever length at 90°

Design:

Case-hardened steel, unhardened.

Application:

For vertical clamps 6958E and 6958EFT.

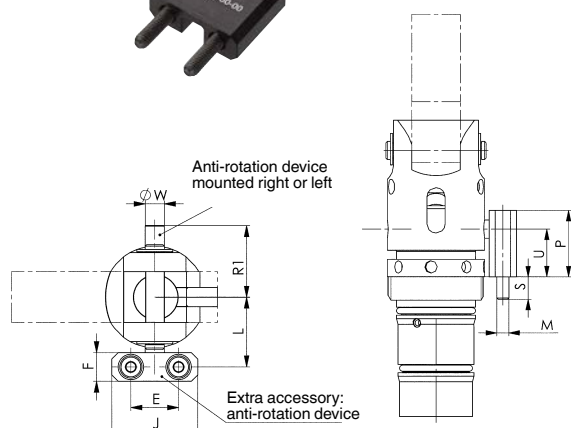
Note:

Clamping pressure, leverage, flow volume and clamp arm weight must always be observed.

No. 6958E-XX-00-00

Anti-rotation device

NEW!



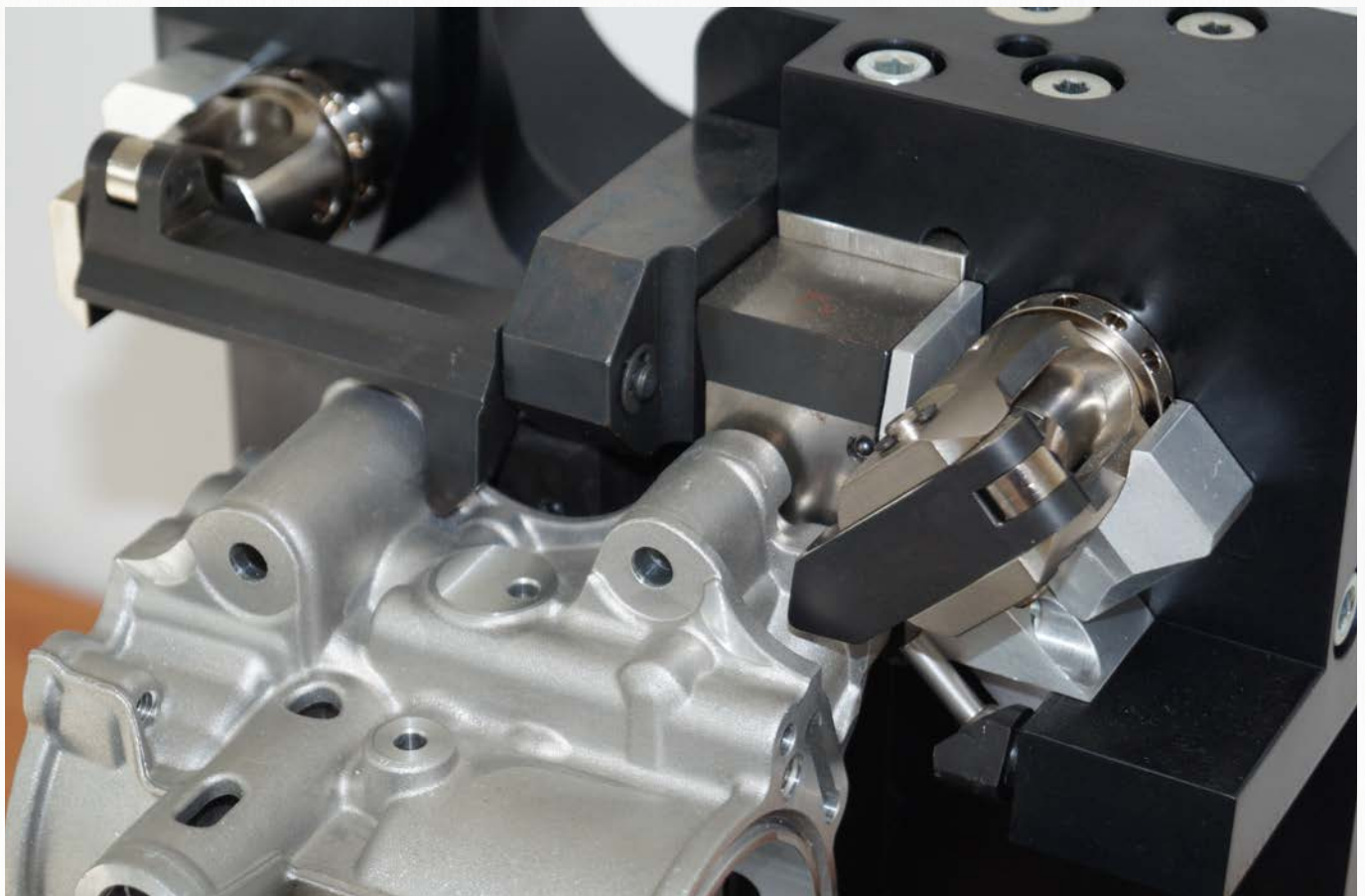
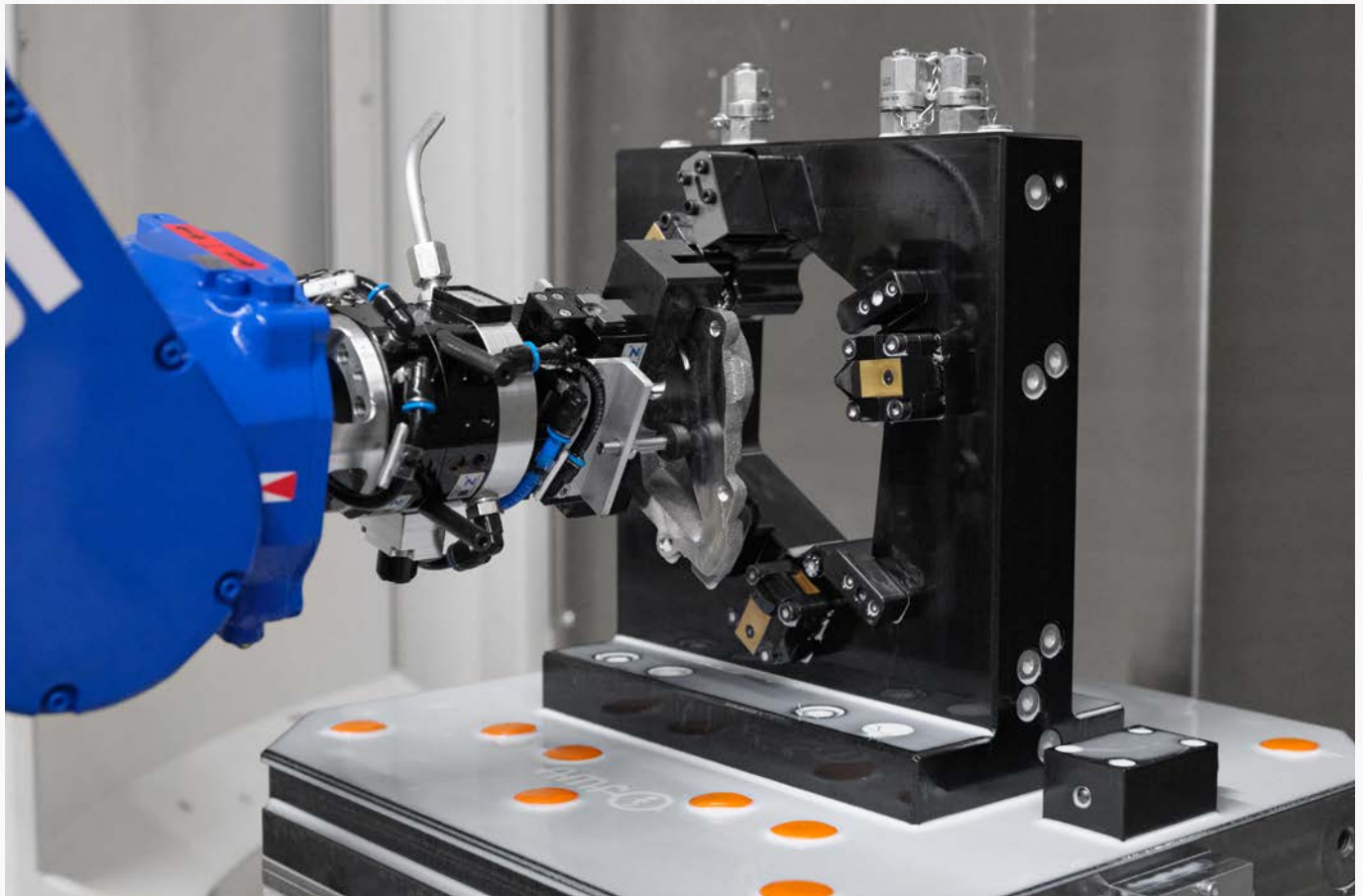
Order no.	Article no.	E	F	J	L	M	P	S	U	R1	dia. W	Weight [g]
328963	6958E-20-00-00	15	9	27	22,0	M4	22	7	15,8	22,5	6	40
328989	6958E-30-00-00	25	15	40	31,5	M6	32	10	24,0	33,0	8	145
562251	6958E-50-00-00	32	20	50	49,0	M8	46	12,6	36,0	50,0	12	130

Design:

Made of aluminium, black anodised.



Subject to technical alterations.



Subject to technical alterations.

No. 6375HD

Hydraulic collet double-acting - base element

Operating pressure: min. 40 bar - max. 60 bar

Base element made of tempered steel, plasma-nitrided and burnished.

NEW!



Order no.	Size	Clamping stroke Ø [mm]	dia. D [mm]	H [mm]	Weight [Kg]
573404	20	0,3	118	67	4,17

Design:

The hydraulic clamping unit is protected against dirt and cooling water.

A clamping rim is used for fastening on the machine table.

On the underside, there is the holder for the AMF K20 zero-point system as well as grooves for positioning on AMF zero-point clamping modules with indexing.

For automated operation, two hydraulic connections (clamping and releasing), sealed in the delivered condition, are present on the underside.

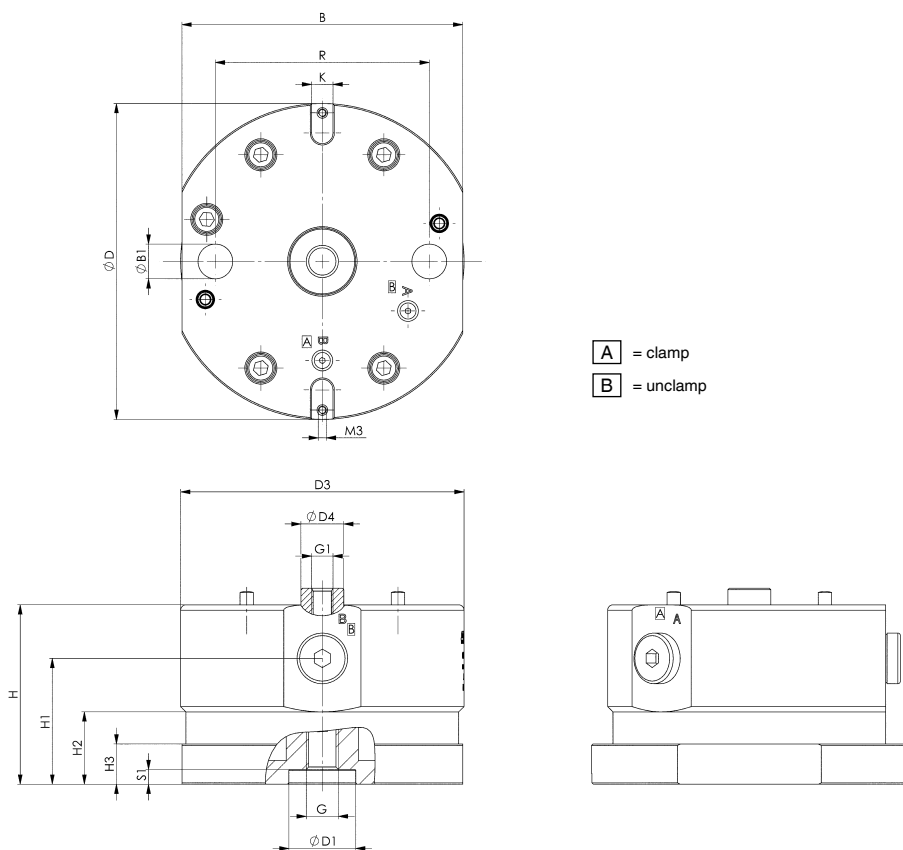
The lateral hydraulic connections (clamping and releasing) are suitable for the installation of a quick-release coupling with connecting thread G1/4.

Application:

Collet attachments 6375ZI-20 and 6375ZA-20 can be used for internal and external clamping. Thanks to the simple collet attachment, various workpieces can be quickly and safely clamped for 5-sided machining.

Note:

The collet attachments 6375ZA-20 and 6375ZI-20 must be fastened using the fastening kits 6375BA-20 (external clamping) or 6375BI-20 (internal clamping). With a mounted collet attachment, the clamping unit must not be closed without a workpiece or without the securing elements 6375SRI or 6375SBA.



Dimensions:

Order no.	Size	B	B1	dia. D1	dia. D3	dia. D4	G	G1	H1	H2	H3	K	R	S1
573404	20	105	13	25	106	16	M12	M8	47	27	15	8	80	5,5

Subject to technical alterations.

No. 6375HF

Hydraulic collet single-acting - base element

Operating pressure: min. 40 bar - max. 60 bar
Opening via spring force.

Base element made of tempered steel, plasma-nitrided and burnished.

NEW!



Order no.	Size	Clamping stroke Ø [mm]	dia. D [mm]	H [mm]	Weight [Kg]
573403	20	0,3	118	67	4,17

Design:

The single-acting hydraulic collet is clamped at max. 80 bar and released by spring force. The clamping system is protected against dirt and cooling water.

A clamping rim is used for fastening on the machine table.

On the underside, there is the holder for the AMF K20 zero-point system as well as grooves for positioning on AMF zero-point clamping modules with indexing.

For automated operation, a hydraulic connection (clamping), sealed in the delivered condition, is present on the underside.

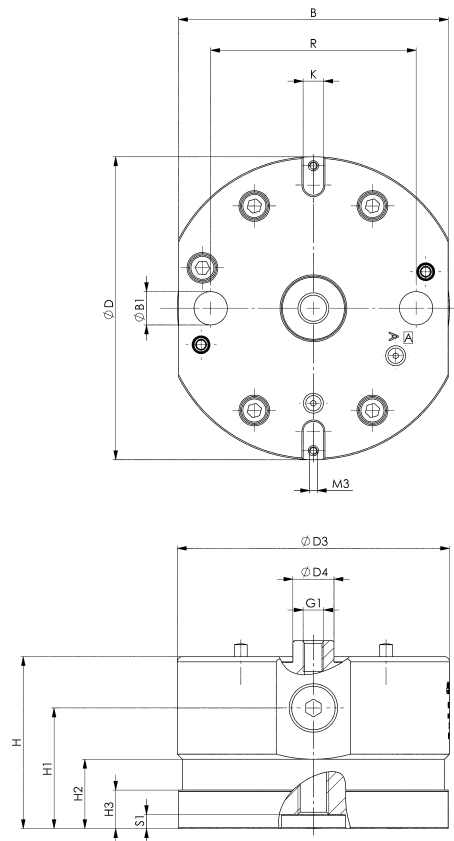
The lateral hydraulic connection (clamping) is suitable for the installation of a quick-release coupling with connecting thread G1/4.

Application:

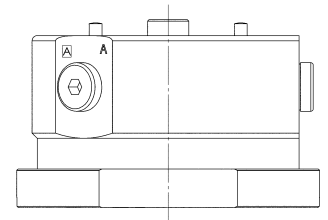
Collet attachments 6375ZI-20 and 6375ZA-20 can be used for internal and external clamping. Thanks to the simple collet attachment, various workpieces can be quickly and safely clamped for 5-sided machining.

Note:

The collet attachments 6375ZA-20 and 6375ZI-20 must be fastened with the fastening kits 6375BA-20 (external clamping) or 6375BI-20 (internal clamping). With a mounted collet attachment, the clamping unit must not be closed without a workpiece or without the securing elements 6375SRI or 6375SBA.



[A] = clamp



Dimensions:

Order no.	Size	B	B1	dia. D1	dia. D3	dia. D4	G	G1	H1	H2	H3	K	R	S1
573404	20	105	13	25	106	16	M12	M8	47	27	15	8	80	5,5

No. 6375ZI

Collet attachment inside clamping

Collet attachment made of high-strength aluminium, hard anodised. With circlip made of tempered steel, burnished.

Order no.	Size	dia. D	dia. D1	dia. D2	dia. D3	dia. D4	H	H1	H2	H3	H4	Clamping stroke Ø [mm]	Weight [g]
572694	20	99	34,7	16	90	-	46,5	10	9	14,5	9,5	0,3	760
567126	20	99	44,7	16	90	-	46,5	10	10	14,5	9,5	0,3	777
572089	20	149	84,7	16	90	129	64,5	25	10	14,5	9,5	0,3	1840

Design:

Collet attachments are always supplied with circlip.

Application:

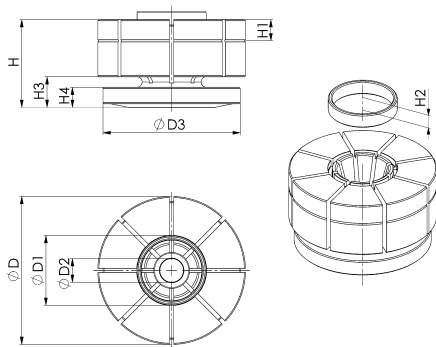
The collet attachment is fastened using fastening kit 6375BI (observe torque specifications) on the base element 6375M. To secure the workpiece contour, the collet attachment must be clamped with the circlip. Then the workpiece contour is milled into the collet attachment with a minimum clamping depth of 10 mm. Then the circlip is removed, and the workpiece can be clamped. To secure new workpiece contours, the collet attachment can be milled off up to a diameter (D1).

Advantage:

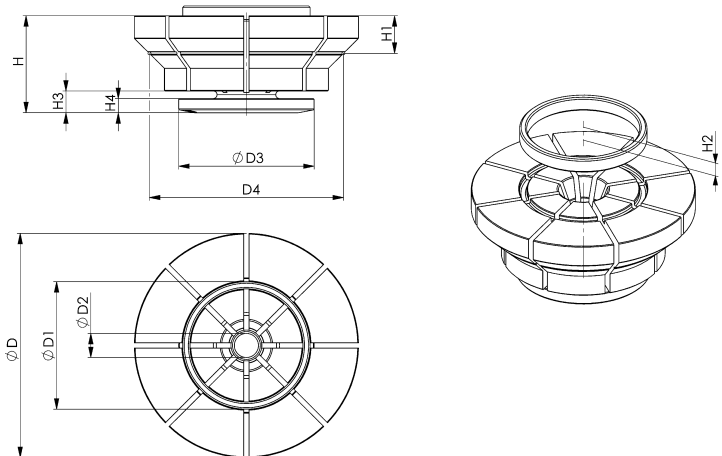
- Clamping of blind holes and through-holes
- Clamping of delicate and thin-walled workpieces
- The workpiece is clamped without distortion due to the radially even clamping force imposed on it
- Multiple insertion of different workpiece contours possible

Note:

The collet attachment must always be clamped with the workpiece or circlip. To remove the vertical play between the collet attachment and base element, light pretensioning must be applied by actuating the clamping stud after the workpiece is inserted.



572694, 567126



572089



Subject to technical alterations.

No. 6375BI
Fastening kit for collet attachment inside clamping

With tension bolt made of tempered steel, plasma-nitrided and burnished and cylinder screw ISO4762, strength class 12.9.

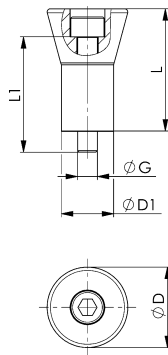
Order no.	Size	dia. D [mm]	dia. D1 [mm]	G [mm]	Md [Nm]	L [mm]	L1 [mm]	Weight [g]
572696	20	22,5	16,0	M8	25	39	50	70,0
567130	20	25,0	18,5	M8	25	41	40	92,0
572123	20-149	32,3	20,0	M8	25	57	55	170,5

Application:

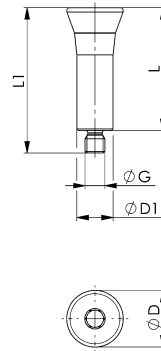
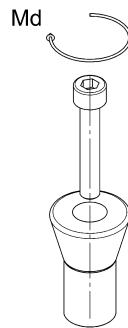
For fastening the collet attachments to the inside clamping of workpieces.

Note:

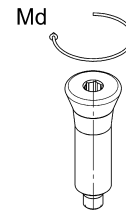
The fastening kit must be tightened with the specified torque.



567130, 572123



572696



No. 6375ZA

Collet attachment outside clamping

Collet attachment made of high-strength aluminium, hard anodised or polyamide.

With locking bolt made of tempered steel, burnished.

Order no.	Size	dia. D	dia. D1	dia. D2	H	H1	H2	Material	Clamping stroke Ø [mm]	Weight [g]
567124	20	99	90	22,7	50	25	10	EN AW 7075	0,3	935

Design:

Collet attachments are always supplied with locking bolt.

Application:

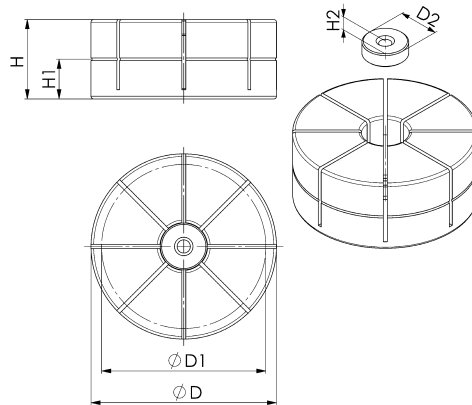
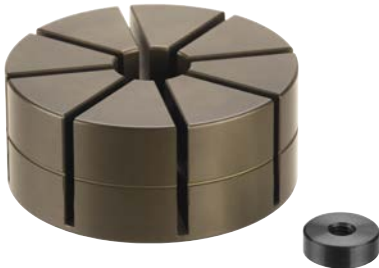
The collet attachment is fastened using fastening kit 6375BA (observe torque specifications) on the base element 6375M. To secure the workpiece contour, the collet attachment must be clamped with the locking bolt. Then the workpiece contour is milled into the collet attachment with a minimum clamping depth of 2 mm. Then the locking bolt is removed, and the workpiece can be clamped. The collet attachment can be milled off to a height of H1, allowing new workpiece contours to be introduced. The maximum workpiece diameter is specified in the table with D1.

Advantage:

- Clamping of delicate and thin-walled workpieces
- Free-form clamping
- The workpiece is clamped without distortion due to the radially even clamping force imposed on it
- Multiple insertion of different workpiece contours possible

Note:

The collet attachment must always be clamped with the workpiece or locking bolt. To remove the vertical play between the collet attachment and base element, light pretensioning must be applied by actuating the clamping stud after the workpiece is inserted.



Subject to technical alterations.

No. 6375ZA

Collet attachment outside clamping

Collet attachment made of high-strength aluminium, hard anodised.

With locking bolt made of tempered steel, burnished.



Order no.	Size	dia. D	dia. D1	dia. D2	H	H1	H2	H3	Material	Clamping stroke Ø [mm]	Weight [g]
428656	20	149	140	23	50	25	10	10	EN AW 7075	0,3	880

Design:

Collet attachments are always supplied with locking bolt.

Application:

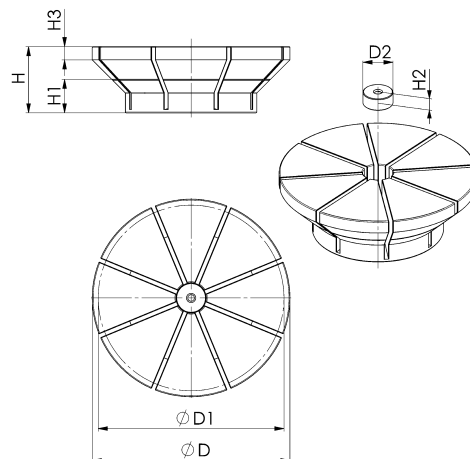
The collet attachment is fastened using fastening kit 6375BA (observe torque specifications) on the base element 6375M. To secure the workpiece contour, the collet attachment must be clamped with the locking bolt. Then the workpiece contour is milled into the collet attachment with a minimum clamping depth of 2 mm. Then the locking bolt is removed, and the workpiece can be clamped. The collet attachment can be milled off to a height of H1, allowing new workpiece contours to be introduced. The maximum workpiece diameter is specified in the table with D1.

Advantage:

- Clamping of delicate and thin-walled workpieces
- Free-form clamping
- The workpiece is clamped without distortion due to the radially even clamping force imposed on it
- Multiple insertion of different workpiece contours possible

Note:

The collet attachment must always be clamped with the workpiece or locking bolt. To remove the vertical play between the collet attachment and base element, light pretensioning must be applied by actuating the clamping stud after the workpiece is inserted.



No. 6375BA

Fastening kit for collet attachment outside clamping

With disc made of tempered steel and flat-head screw ISO10642.



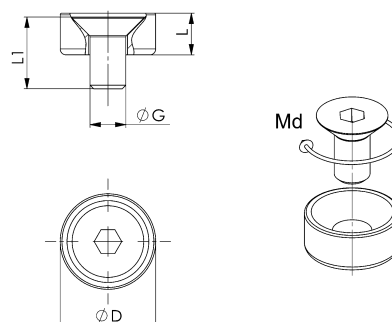
Order no.	Size	dia. D [mm]	G [mm]	Md [Nm]	L [mm]	L1 [mm]	Weight [g]
567128	20	21	M8	10	7	16	20

Application:

For fastening the collet attachments to the outside clamping of workpieces.

Note:

The fastening kit must be tightened with the specified torque.





These Terms of Payment apply for companies, legal entities governed by public law and public law special funds. Our goods and services are supplied exclusively on the basis of the following conditions. Any deviating purchasing conditions of the customer not expressly recognised by us will not become part of the contract through acceptance of the order. By placing the order and accepting the goods we deliver, the customer confirms its consent to our terms and conditions.

1. Offer and contractual conclusion

All our offers are always subject to change without notice unless otherwise explicitly agreed. Our delivery contracts are based on the latest version of our catalogue. Dimension and weight values, as well as illustrations, drawings and data, are non-binding and can be changed by us at any time. Therefore, deviations cannot be ruled out and do not justify any compensation claims against us. Orders are considered accepted only when confirmed by us in writing. If, for organisational reasons, the customer does not receive a separate confirmation upon the delivery of goods, the invoice shall also be deemed the order confirmation.

2. Prices

The prices are in EURO, ex-works, excluding VAT, packing, freight, postage and insurance. Unless otherwise agreed, our list prices valid on the day of delivery shall apply. For orders below 50 EUR goods net, we must make a minimum quantity surcharge of a 20 EURO for cost reasons.

3. Tool costs

Unless any other agreements have been reached, the tools fabricated for the purpose of executing the order shall remain our property in all cases, even if we have invoiced a tool cost component separately.

4. Payment

Unless otherwise stated on the invoice, the purchase price falls due for net payment within 30 days of the invoice date (without deduction of discount). Invoice amounts of below 50 EURO are due for payment immediately. In case of payment default, we shall be entitled to charge default interest. The amount corresponds to our interest rate for current account credits at our main bank; the minimum however being 8 percentage points above the relevant base interest rate applied by the European Central Bank. Moreover, in case of default following written notice to the customer, we shall be entitled to cease to fulfil our obligations until payments are received.

5. No set-off

The customer can set-off only with legally confirmed or undisputed counterclaims.

6. Right of withdrawal in case of delayed acceptance or payment and insolvency

If the customer fails to accept the goods in due time, we shall be entitled to set a reasonable period of grace, after which we can dispose of the goods elsewhere and supply the customer on a reasonably longer term. Our rights to withdraw from the contract under the provisions of Section 326 BGB and demand damages for non-performance shall not be affected. If the customer fails to pay for the goods once payment is due, we shall be entitled, at the end of a reasonable period of grace we have set, to withdraw from the contract and demand the return of any goods already supplied. Section 323 BGB remains unaffected in all other cases.

If the customer applies for the opening of insolvency proceedings, we shall be entitled, prior to the ordering of security measures by the insolvency court, to withdraw from the contract and demand the immediate return of the goods.

7. Customer-specific fabrications/project fabrications (custom fabrications)

Customer-specific fabrications require binding information on design, quantity etc. in written form at the time of ordering. For manufacturing reasons, we reserve the right to supply up to 10% above or below the order quantity. Technical modifications or cancellations are subject to any costs incurred. The return of customer-specific fabrications is impossible.

8. Delivery and packaging, transfer of risk

The delivery date is non-binding; although stated to the best of our knowledge. It is subject to us receiving correct, defect-free and complete deliveries. The stated delivery dates relate to completion in the factory, starting on the day the order is accepted by us. Delivery is EXW (ex-works) in accordance with Incoterms 2020. Therefore, the costs are borne by the customer. The risk is transferred to the customer when the goods are passed to the person, company or facility nominated to execute the shipment. This applies also for partial deliveries, or if we have assumed responsibility for delivery and installation. The risk shall be transferred to the customer even in the case of delayed acceptance.

In the absence of specific shipping instructions, we shall proceed as we deem fit and without any obligation to the cheapest or most expedient method. The customer agrees that the order can also be delivered in parts, insofar as this is reasonable for the customer. We shall charge a 10 EURO processing fee for shipping to third parties that we supply on behalf of the customer.

The packaging complies with the packaging ordinance. Disposable packaging shall be charged at cost price. The packaging cannot be taken back.

9. Performance impediment and/or impossibility

If we are hindered in the fulfilment of our obligation due to the onset of unforeseeable circumstances, which we are unable to avoid despite reasonable effort in relation to the nature of the circumstances (e.g. operational interruption, delay in the delivery of important raw materials, defects in the delivery), the delivery time shall be extended by a reasonable period, insofar as the supply of goods or services is not rendered unreasonably difficult or impossible.

If we have to accept that these circumstances are not only temporary, we shall be entitled to withdraw from the contract either in whole or in part.

If the supply of goods or services becomes impossible, the customer shall not be obliged to furnish its own contractual service. Section 275 BGB applies mutatis mutandis. If, however, the customer is solely or predominantly responsible for the circumstances that led to impossibility, it shall remain under an obligation to render the return service. The same applies if this circumstance occurs at a time when the customer is behind schedule with acceptance.

10. Samples/returns

Samples shall be provided only against payment. If samples or models are provided, a credit note shall be issued with the subsequent order if the order value is 125 EURO net or more. Goods can be returned only by agreement, although custom fabrications are excluded from such return. In the case of returns for which we are not responsible (e.g. incorrect order), we shall charge a processing fee of 10%, the minimum value, however, being 9.00 EURO.

11. Retention of title

The goods shall remain our property unless full payment of all claims and/or until the cheques provided for this purpose are honoured. The itemisation of claims in an ongoing invoice, as well as balancing the account and the recognition thereof does not affect the retention of title. The customer is entitled to sell on the retained goods during the ordinary course of business. However, the customer is not permitted to pledge the goods or transfer them by way of security. It shall assign its claim ensuing from the selling on of the retained goods to us in advance. The customer shall be entitled to collect the claim to the extent that it has fulfilled its obligations towards us. At our request, the customer shall be obliged to state third-party debtors and we shall be entitled to report this and the assignment.

12. Property rights

We reserve property rights and copyrights to all contractual documents such as drafts, drawings, calculations and cost estimates. Such documents must not be reproduced or disclosed to third parties without our consent. Any rights to patents, utility models etc. reside solely with us, insofar as such patents have not yet been filed. Our products are allowed to be replicated only with our written consent.

If objects are fabricated according to drawings or samples, the customer shall warrant that any third party property rights are not infringed by manufacture or delivery. If a third party forbids manufacture and delivery on account of property rights, we shall be entitled to stop manufacture and delivery immediately. The customer shall be obliged to reimburse us with all costs incurred and indemnify us from third party compensation claims. Compensation claims by the customer are impossible.

13. Warranty

If the customer agrees with us a particular quality of the goods, we shall base this agreement on our technical delivery specifications. If we have to deliver according to customer drawings, specifications, samples etc., the customer shall assume the risk for suitability for the intended purpose. If, after the contract is concluded, the scope of goods or services is changed at the customer's request and this impairs the quality or suitability of the goods, claims for defects on the part of the customer shall be ruled out, insofar as such impairments are caused by the customer's requests for change. The time at which the risk is transferred is decisive for the contractual state of the goods. Wear and tear of wearing parts caused by ordinary use does not constitute a defect. Claims for defects are ruled out in the following cases in particular: Unsuitable or improper use, incorrect installation and/or commissioning by the customer or third party, normal wear and tear, incorrect or negligent handling - in particular excessive use -, unsuitable equipment, replacement materials, chemical, electrochemical or electrical influences, unless such defects are caused by ourselves.

If the goods contain a defects, we shall provide, following a reasonable period of grace set by the customer, either a replacement or a repair as we deem fit. If such subsequent performance fails, the customer shall be entitled to either reduce the purchase price or withdraw from the contract. Any further warranty claims are ruled out. In case of negligible deviations from the agreed quality, no claims for defects shall be recognised.

The discovery of defects must be communicated to us immediately in writing. In the case of recognisable defects, however, within 10 days of acceptance, in the case of non-recognisable defects immediately after they become evident. The warranty is 12 months, starting with delivery of the goods ex-works.

14. Liability

With the exception of harm to life, body or health on account of a breach of duty by ourselves, our liability shall be limited to intent or gross negligence.

15. Place of fulfilment, place of jurisdiction and governing law

The place of fulfilment for all obligations ensuing from this contractual relationship is D-70734 Fellbach.

The place of jurisdiction for all legal disputes ensuing from the contractual relationship is the court responsible for the headquarters of Andreas Maier GmbH & Co. KG.

All disputes ensuing from the contract or regarding the validity thereof shall be finally decided by a court of arbitration in accordance with the Court of Arbitration Ordinance of the German Committee for Arbitration Court Procedures or the Conciliation and Arbitration Arrangement of the International Chamber of Commerce, recourse to ordinary courts of law being excluded. The legal dunning process, however, remains permissible.

German law shall govern (BGB and HGB). The applicability of the UN Convention on Contracts for the International Sale of Goods (CISG) is ruled out.

16. Severability clause

If individual provisions become legally invalid, the remaining provisions shall not be affected. The legally invalid provision shall be replaced by regulations that most closely reflect the economic purpose of the contract with reasonable consideration for the mutual interests. The publication of these Terms of Sale, Delivery and Payment renders all previous versions invalid. This does not apply for any contracts concluded prior to announcement.



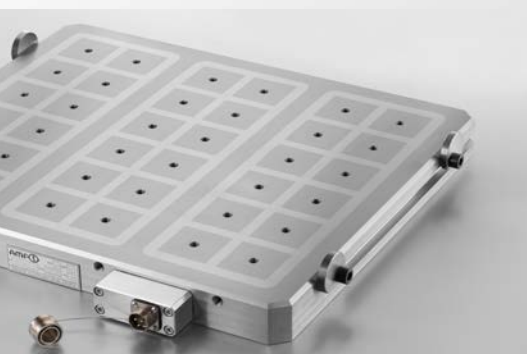
ZERO-POINT-SYSTEMS



HYDRAULIC CLAMPING SYSTEMS



VACUUM CLAMPING SYSTEMS



MAGNETIC CLAMPING SYSTEMS



WIRELESS SENSING SYSTEMS



TOGGLE CLAMPS



SINGLE AND MULTIPLE CLAMPING SYSTEMS



STANDARD CLAMPING ELEMENTS



MARKING AND CLEANING TOOLS

ANDREAS MAIER GMBH & CO. KG

Waiblinger Straße 116 · 70734 Fellbach

Phone: +49 711 57 66-0

E-mail: amf@amf.de

Web: www.amf.de



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