

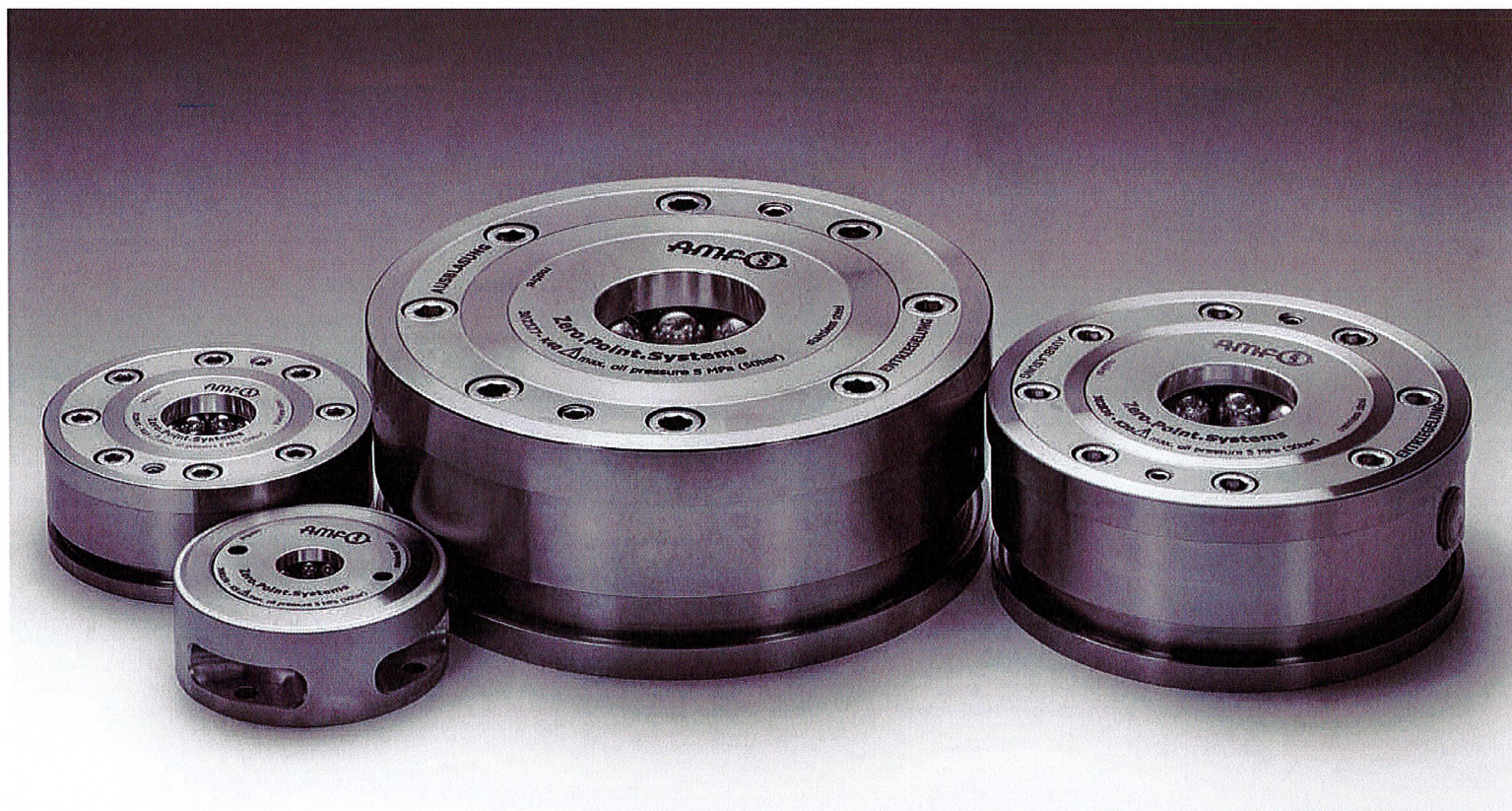
SURFACE-MOUNTED CLAMPING MODULES

The AMF surface-mounted clamping modules are installed on pallets, machine tables, clamping brackets and cubes. Usable when cutting, grinding, eroding and on plastic-processing machines as well as for fixture construction with mounting fixtures and handling systems.

The AMF clamping modules can be installed in all positions. Whether vertical or overhead - mounting works completely without assembly tools.

Surface-mounted clamping modules are available in four different sizes:

- > **Clamping modules K5** - dia. 62 mm -
pull-in/locking force up to 5 kN - holding force 13 kN*
- > **Clamping modules K10** - dia. 78 mm -
pull-in/locking force up to 10 kN - holding force 25 kN*
- > **Clamping modules K20** - dia. 112 mm -
pull-in/locking force up to 20 kN - holding force 55 kN*
- > **Clamping modules K40** - dia. 148 mm -
pull-in/locking force up to 40 kN - holding force 105 kN*



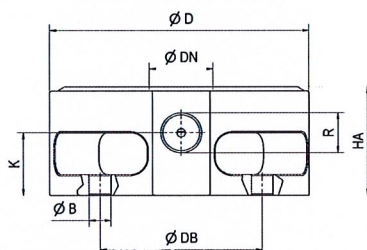
* Please observe the installation instructions.

Subject to technical alterations.

No. 6370AARH

Surface-mounted clamping module

Hydraulic opening.
Opening operating pressure: min. 50 bar - max. 60 bar.
Cover and piston hardened.
Repeatability < 0.005 mm.



Order no.	Size	Pull-in/locking force up to	Holding force*	Weight
		[kN]	[kN]	[g]
306159	K 5	5	13	300

Application:

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

Note:

The surface-mounted 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 all times (module is tensioned pressure-free).

The contact surface is the upper surface of the housing.

The clamping module has one connection: 1x hydr. opening (1).

* Please observe the installation instructions.

On request:

- Individual housing



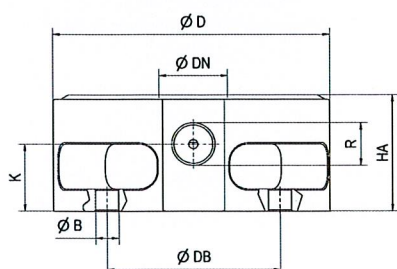
Dimensions:

Order no.	Size	dia. B	dia. D	dia. DB	dia. DN	HA	K	R
306159	K 5	5,8	62	54	15	26	15	G1/8

No. 6370AARL

Surface-mounted clamping module

Pneumatic opening.
Opening operating pressure: min. 8 bar - max. 12 bar.
Retensioning operating pressure (turbo): min. 5 bar - max. 6 bar.
Cover and piston hardened.
Repeatability < 0.005 mm.



Order no.	Size	Pull-in/locking force up to	Holding force*	Weight
		[kN]	[kN]	[g]
306175	K 5	1,5	13	300

Application:

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

Note:

The surface-mounted clamping module has high holding, pull-in and locking forces. This is opened pneumatically (1) and mechanically locked 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 all times (module is tensioned pressure-free).

The contact surface is the upper surface of the housing.

Use of the pneumatic pressure booster 6370ZVL is recommended.

The clamping module has two connections:

1x pneum. opening (1) / 1x pneum. retensioning (turbo) (2).

* Please observe the installation instructions.

On request:

- Individual housing



Dimensions:

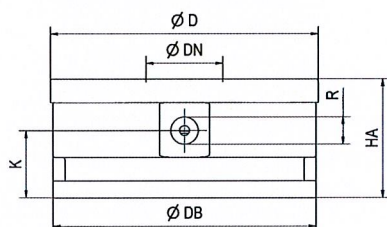
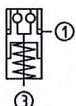
Order no.	Size	dia. B	dia. D	dia. DB	dia. DN	HA	K	R
306175	K 5	5,8	62	54	15	26	15	G1/8

Subject to technical alterations.

No. 6370AARHA

Surface-mounted clamping module

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



Order no.	Size	Pull-in/locking force up to [kN]	Holding force* [kN]	Blow out	Weight [Kg]
303545	K10	10	25	●	0,9
302836	K20	20	55	●	2,7
302877	K40	40	105	●	6,6

Application:

Zero-point clamping system in combination with hook clamping flange 63707B for set-up-time-optimised clamping during cutting and non-cutting machining.

Note:

The surface-mounted 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 all times (module is tensioned pressure-free).

The clamping module with blow-out and support control 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.)

* Please observe the installation instructions.

On request:

- Individual housing



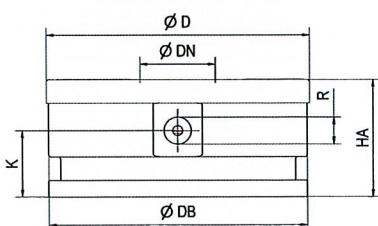
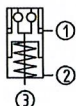
Dimensions:

Order no.	Size	dia. D	dia. DB	dia. DN	HA	K	R
303545	K10	78	77,5	22	32	16,50	G1/8
302836	K20	112	110,0	32	50	28,25	G1/4
302877	K40	148	146,0	40	62	32,50	G1/4

No. 6370AARLA

Surface-mounted clamping module

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



Order no.	Size	Pull-in/locking force up to [kN]	Holding force* [kN]	Blow out	Weight [Kg]
305193	K10	8	25	●	0,9
302851	K20	17	55	●	2,6
302893	K40	30	105	●	6,6

Application:

Zero-point clamping system in combination with hook clamping flange 63707B for set-up-time-optimised clamping during cutting and non-cutting machining.

Note:

The surface-mounted clamping module has high holding, pull-in and locking forces. This is opened pneumatically (1) and mechanically locked 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 all times (module is tensioned pressure-free).

Use of the pneumatic pressure booster 6370ZVL is recommended.

The clamping module with blow-out and support control 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.)

* Please observe the installation instructions.

On request:

- Individual housing



Dimensions:

Order no.	Size	dia. D	dia. DB	dia. DN	HA	K	R
305193	K10	78	77,5	22	32	16,50	G1/8
302851	K20	112	110,0	32	50	28,25	G1/4
302893	K40	148	146,0	40	62	32,50	G1/4

Subject to technical alterations.

No. 6370ZB

Clamping flange, Set

Consisting of two single-clamp buckles, nitrided.

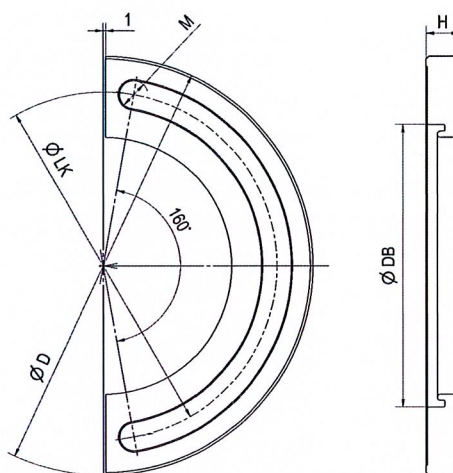
Order no.	Size	Set contents [St]	dia. D	dia. DB	H	dia. LK	M	Weight [g]
426825	K10	2	114	77,5	7,75	94	8,5	360
426833	K20	2	164	110,0	13,00	136	11,0	800
426841	K40	2	202	146,0	16,00	172	13,0	1100

Application:

Clamping flanges are used to fasten surface-mounted clamping modules on the machine table.

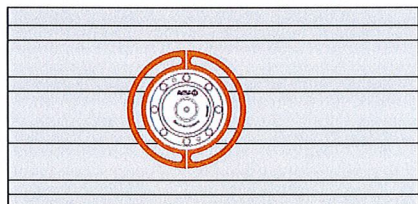
On request:

- Special clamping flanges for various T-slot tables
- Clamping flange and housing manufactured as a single piece

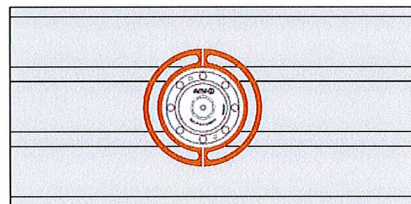


Examples of machine-table mounting:

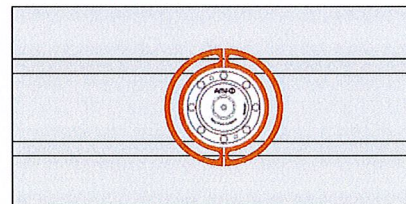
K10 - Groove distance 50 mm



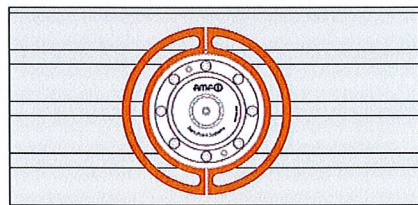
Groove distance 63 mm



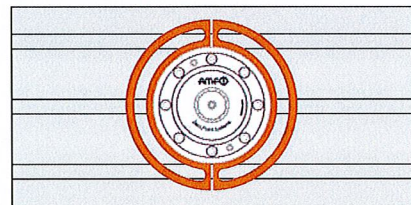
Groove distance 80 mm



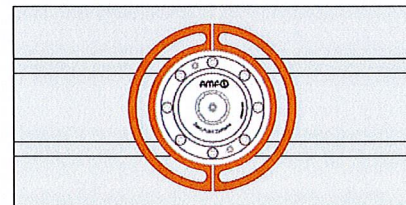
K20 - Groove distance 50 mm



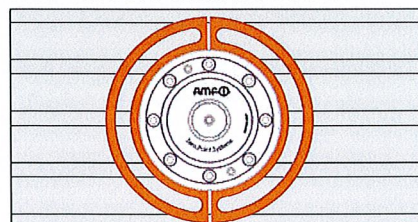
Groove distance 63 mm



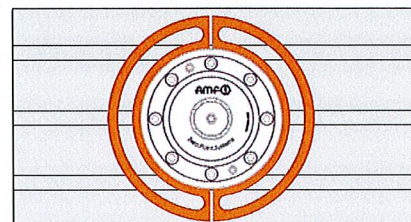
Groove distance 80 mm



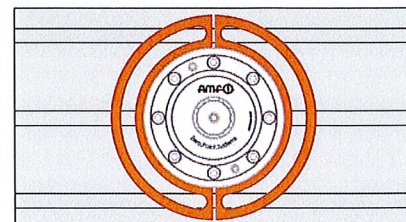
K40 - Groove distance 50 mm



Groove distance 63 mm



Groove distance 80 mm



Subject to technical alterations.



ZERO-POINT SYSTEMS FROM AMF - THE UNIFORM INTERFACE IN ADDITIVE MANUFACTURING



- + Designed for the special requirements of additive manufacturing
- + A uniform interface in 3D printing and post-processing
- + Drastic reduction of your set-up times
- + Integrated blow-out of the clamping modules

PLEASE ASK US!

Subject to technical alterations.