ALLMATIC TITAN 2— THREE LENGTHS— THE CRUCIAL ADVANTAGE FOR YOUR MACHINING

More universal – more flexible. The ALLMATIC TITAN 2 K/M/L whether in height or in length, conventional clamping or gripper clamping – it leaves nothing to be desired





ALLMATIC GRIPP – MECHANICAL VERSION TITAN 2 K/M/L

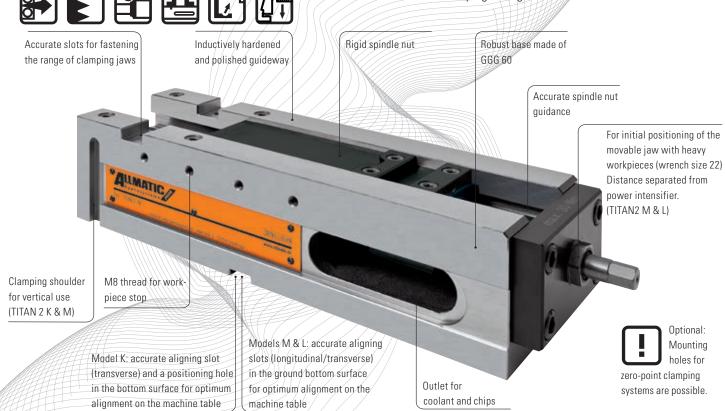
Scope of application:

- Can be applied horizontally or vertically therefore suitable for vertical and horizontal CNC milling machines
- Conventional clamping, gripper clamping or pull-down clamping are all possible
- TITAN 2 K ideal for use on five-axis machining centres
- Clamping unmachined parts, saw-cut or flame-cut material by penetration of hardened, replaceable gripper elements into the workpiece
- With the support jaws, unmachined parts in highly varied materials, or with complex geometries, can be clamped securely and economically.

Product features:

- High versatility the modular clamping system combines practically all the possibilities of our tried-and-tested models
- The TITAN 2 M is ground an polisched on all sides
- TITAN 2 K and M can be used vertically
- High-pressure spindle with power intensification. Clamping force does not slacken
- Enlarged clamping span for secure clamping of unmachined parts
- Lost clamping margin 8 mm with pull-down, 3 mm with GRIPPER
- Clamping with torque wrench max. 30 Nm.

 This makes it possible to work above the table with an unfavour able clamping arrangement on the tool



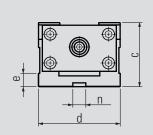
Order no. jaw width 125: TITAN 2 K: 6921738000055 TITAN 2 M: 6921838000755 TITAN 2 L: 6921838000055

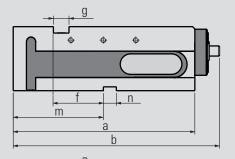
Scope of supply:

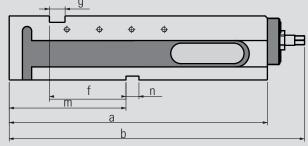
- 1 high-pressure vice without jaws
- 1 set of side clamps
- 3 socket screw wrenches
- Hexagonal insert for torque wrench 3/8"

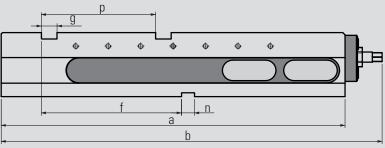
Please order the clamping jaws separately.

An overview of the clamping jaws and other accessories is given on the following pages.



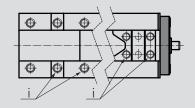






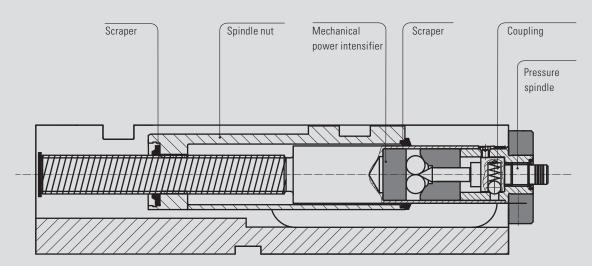
Technical data

TITAN 2		К	M	L
Jaw width			125	
Dimensions /	а	280	398	530
tolerances in mm	b	318	455	587
	С	100	100	100
	d	126	126	126
	е	21	21	21
	f	77	118	216
	g	24	24	24
	m	139	180	-
	i	M 12	M12	M12
	n	20	20	20
	р	-	-	176

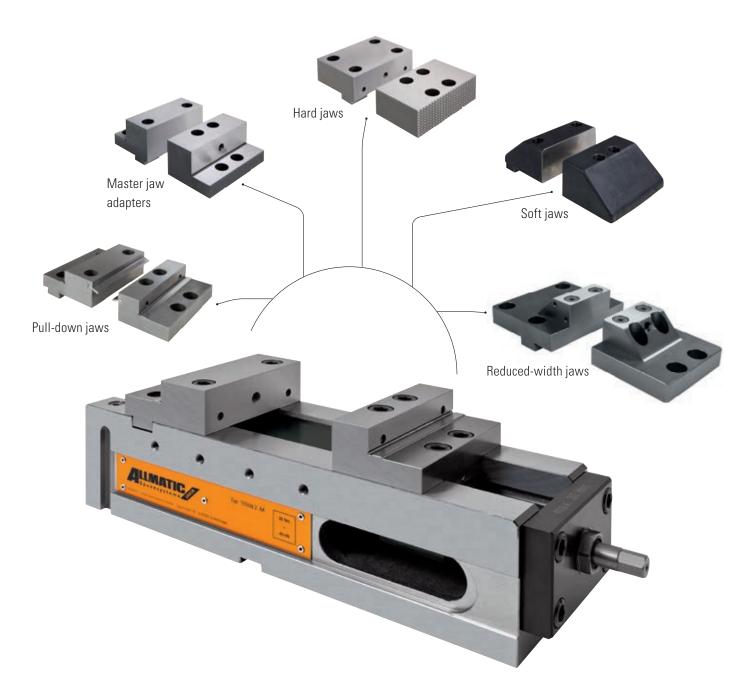


Jaw width	125
Max. torque in Nm	30
Max. clamping force in kN	40
Weight in kg TITAN 2 K	22
Weight in kg TITAN 2 M	30
Weight in kg TITAN 2 L	38

Spindle cross-section



TITAN 2 K/M/L CONVENTIONAL CLAMPING



For conventional clamping of workpieces

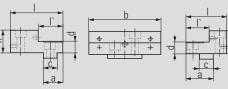
On the following pages you will find a wide range of jaws suitable for clamping pre-machined workpieces.

Step jaws



- Material: hardened steel
- High and stepped sides with thread for parallels
- Ground clamping surfaces
- Additional thread on the high side for mounting the HD jaws
- Click system on the high side





Order no. fixed: 6921684006731 Order no. movable: 6921484002731

Jaw width		125
Dimensions in mm	а	34
	b	124,4
	С	24
	d	20
	h	39,5
	-1	92
	1`	43

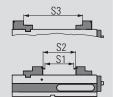
Jaw width		125
Dimensions in mm	а	47
	b	124,4
	С	24
	d	20
	h	39,5
	- 1	70
	ľ	40

	TITAN 2 K	TITAN 2 M	TITAN 2 L
Clamping width S1	0 - 64	0 – 182	0 – 314
Clamping width S2	83 – 195	131 – 313	87 – 445

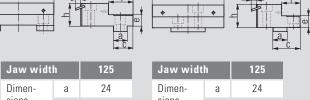
Pull-down jaws



- Material: hardened steel
- Pull-down with ground spring leaves for unmachined and machined clamping surfaces
- Ground clamping surfaces
- High clamping precision for parallel or precise-angle machining
- Click system on the high side



Order no. fixed: 6921684106031 Order no. movable: 6921684102031



Dimensions in mm	а	24
	b	124,4
	С	34
	d	92
	е	20
	f	43
	g	8,8
	h	39,5

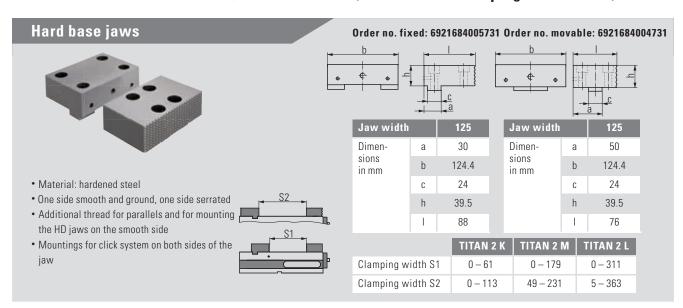
Jaw Will	-	125
Dimensions in mm	а	24
	b	124,4
	С	46,5
	d	75
	е	20
	f	32
	g	8,8
	h	39,5

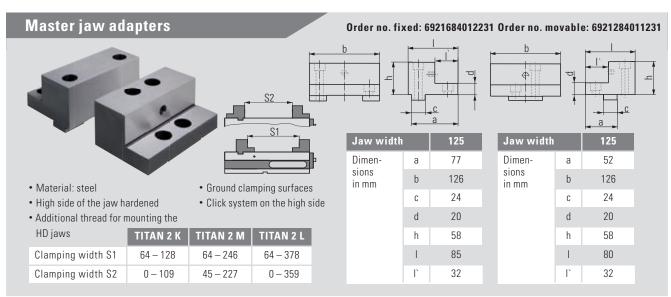
	TITAN 2 K	TITAN 2 M	TITAN 2 L
Clamping width S1	0 – 41	0 – 159	0 – 291
Clamping width S2	0 – 58	0 – 176	0 – 308
Clamping width S3	75 – 187	124 – 305	80 – 437

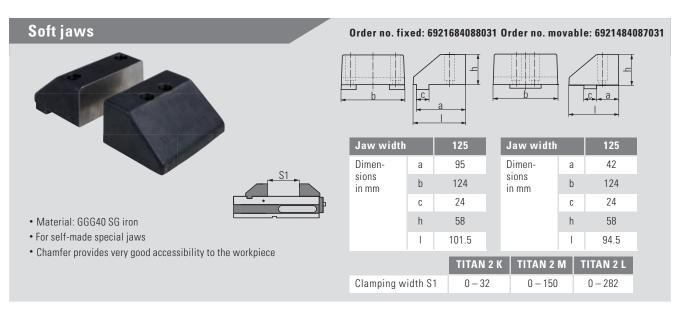
Spring leaves (pair)



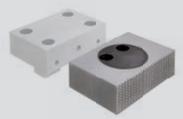
- Hardened spring leaves
- Spring leaves (replacement) for the pull-down jaws Order no.: 6921684106031 and 6921684102031



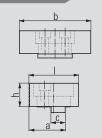




Pivot jaw, movable



- Material: Hardened steel
- With click system
- One side smooth and ground, one side serrated
- 360° rotatable
- Picture with hard base jaw (see order no.: 6921684005731)



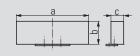
Order no. 6921684020042

Jaw width		125
Dimensions in mm	a	62
	b	124.4
	С	24
	h	39.5
	I	84

	TITAN 2 K	TITAN 2 M	TITAN 2 L
Clamping width S1	0 - 49	0 – 167	0 – 299
Clamping width S2	0 – 101	37 – 219	0 – 351

Soft jaw





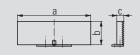
Order no. 6921684023042

Jaw width	125	
Dimensions in mm	а	125
	b	39,8
	С	22

- Material: case-hardened steel 21MnCr5G, mat. no.: 1.2162
- Jaws can be case-hardened
- For production of special jaws by the customer
- Only for use with jaws with Click system

Jaw with cross grooving



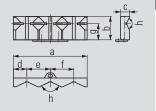


Jaw width		125
Dimensions in mm	а	125,6
	b	40,1
	С	12

- Material: hardened steel
- Jaws with sharp serrations to increase the specific contact pressure per unit area
- Visible impressions on workpiece
- Only suitable for soft materials
- Only for use with jaws with Click system

Prismatic jaws (pair)





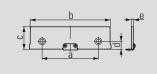
Order no. 6921684024042

Jaw width		125
Dimensions in mm	а	125,6
	b	39,8
	С	15
	d	22,8
	е	40
	f	40
	g	27,5
	h	130°

- Material: hardened steel
- Jaws for clamping round parts, vertical dia. 16-74 mm, horizontal dia. 12-40 mm
- Only for use with jaws with Click system

Click parallels (pair)





Order no. 6921185035042

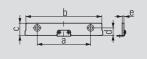
Jaw width		125
Dimensions in mm	а	88
	b	125
	c -0,01	35
	d	12,25
	е	3

- For parallel raising of workpieces
- Hardened and ground parallels

- Parallels with click system or screw-on
- For the high side of the jaws

Click parallels (pair)





Order no. 6921185020042

Jaw width		125
Dimensions in mm	а	88
	b	125
	c -0,01	20
	d	12,25
	е	3

- For parallel raising of workpieces
- Hardened and ground parallels

- Parallels with click system or screw-on
- For the high side of the jaws

Parallels (pair)



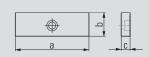


- For parallel raising of workpieces
- Hardened and ground parallels
- Parallels for screwing on
- For the stepped side of the jaws

Jaw width		125
Dimensions in mm	а	88
	b	124
	С	15
	d	6
	е	3
	f	Ø6
	g	Ø 9

Smooth jaws (pair)



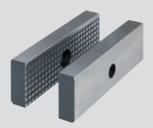


Order no. 6921024022031

Jaw width		125
Dimensions in mm	а	125
	b	40
	С	15

- Material: hardened steel
- For parts with delicate clamping surfaces
- Please order fastening bolts separately (order no. 6921011023000)

Serrated jaws (pair)





Order no. 6921021005031

Jaw width		125
Dimensions in mm	а	125
	b	40
	С	15

- Material: hardened steel
- Standard jaws with small surface area
- To increase the specific contact pressure
- Please order fastening bolts separately (order no. 6921011023000)

Soft jaws (pair)





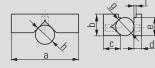
Order no. 6921024023031

Jaw width		125
Dimensions in mm	а	125
	b	40
	С	25

- Material: 21MnCr5G, type 1.23162 steel
- Jaws of case-hardening steel
- For self-made special jaws
- Please order fastening bolts separately (order no. 6921011023000)

Prismatic jaws (set)





- Material: hardened steel
- For horizontal and vertical clamping of round and flat workpieces
- Please order fastening bolts separately (Order no.: 6921011023000)

Jaw width		125
Dimensions in mm	а	125
	b	40
	С	35
	d	15
	е	35
	f	3
	g	Ø 12 – 28
	h	Ø 18 – 55

Step jaws (pair)

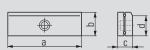
Order no. 6921024025031

Jaw width		125
Dimensions in mm	а	125
	b	40
	С	15
	d	3
	е	35

- Material: hardened steel
- For horizontal clamping of flat workpieces
- Please order fastening bolts separately (order no.: 6921011023000)

Roller pull-down jaws (pair)





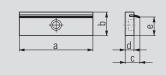
Order no. 6921024005131

Jaw width		125
Dimensions in mm	а	125
	b	40
	С	26
	d	35

- Material: hardened steel
- For parts with delicate clamping surfaces
- Jaw parts in contact with the workpiece press the workpiece onto the support surface
- Please order fastening bolts separately (order no.: 6921011023000)

Spring leaf pull-down jaws (pair)





Order no. 6921024001042

Jaw width		125
Dimensions in mm	а	125
	b	40
	С	20
	d	12
	е	33

- Material: hardened steel
- For parts with rough clamping surfaces
- Spring leaves press the workpiece onto the support surface
- Spring leaves are replaceable (see below)
- Please order fastening bolts separately (order no.: 6921011023000)

Spring leaves (pair)



Order no. 6921024002131

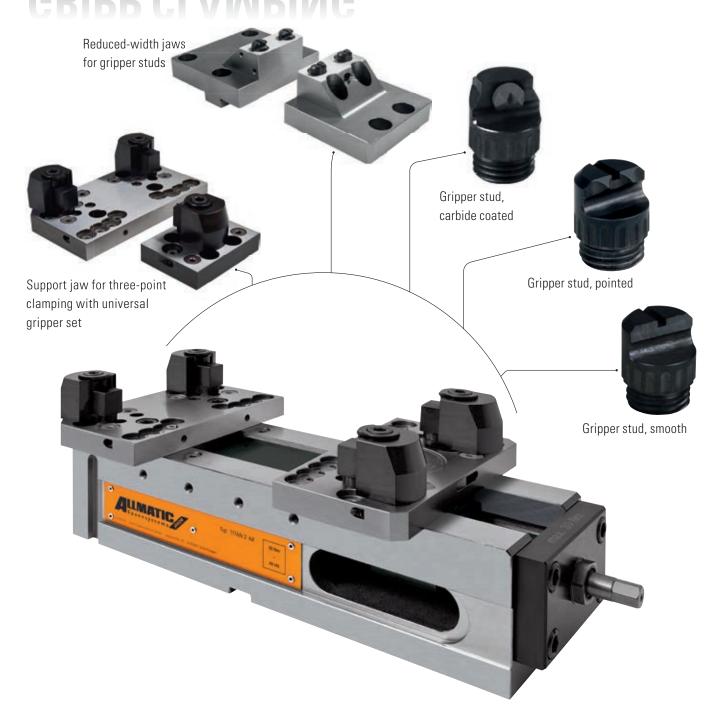
• Spring leaves (replacement) for the spring leaf pull-down jaws (see above)

Jaw fixing screw



- Bolt with shoulder M10 x 23
- Suitable for all jaws in the 090, 100, 125 and 160 mm series

TITAN 2 K/M/L GRIPP CLAMPING



For clamping complex unmachined parts

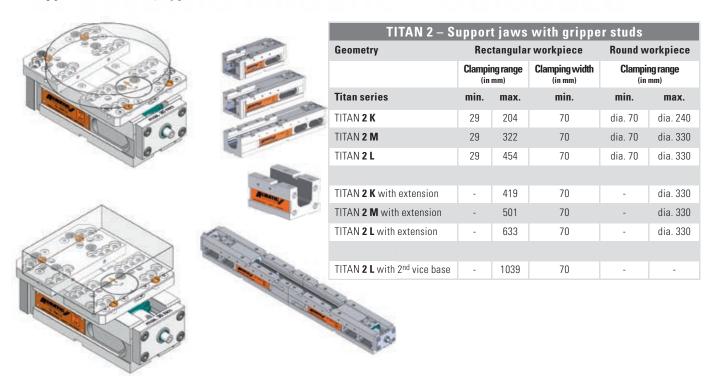
The support jaws enable you to clamp different unmachined parts quickly and securely. You will find jaws for gripper clamping on the following pages.

GRIPP clamping

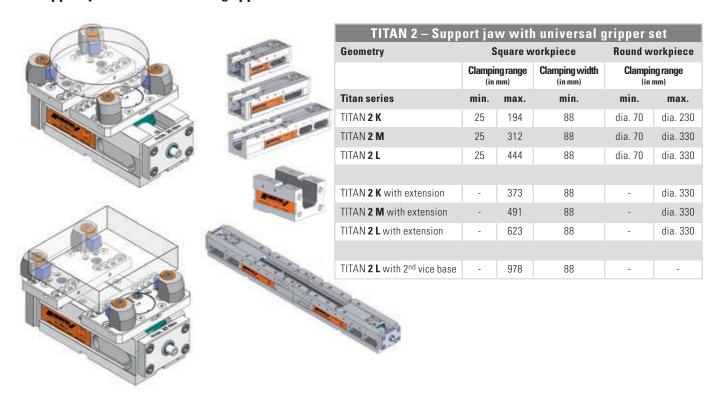
- Support jaws are used to mount different gripper studs (threaded gripper studs or universal gripper set)
- Gripper studs can be screwed in various positions on the grid plate in order to clamp various workpiece geometries securely
- Additional pivot function of the support jaws compensates for non-parallel clamping surfaces and is required to clamp uneven workpieces
- Three-point clamping is possible due to the rigid support jaw

CLAMPING WIDTHS – GRIPP CLAMPING

Support jaws with gripper studs



Support jaws with universal gripper set



Support jaws



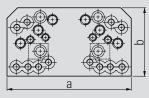
- Material: hardened steel
- For mounting various pull-down wedge elements, universal gripper set and gripper studs (pointed/smooth)
- Front surface can be used as clamping surface (hardened and ground)

Pivot jaw:

- For clamping uneven workpieces
- To compensate for non-parallel clamping surfaces
- Supplied without wedge elements, gripper set and gripper studs (pointed/smooth)

You will find dimensions of the individual gripper items and the gripper studs at www.allmatic.de

Order no. fixed: 6921734005842



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Order no. movable, pivoting:

Jaw width	125	
Dimensions in mm	а	189
	b	104
	С	20
	d	24

Jaw width		125
Dimensions in mm	а	189
	b	97
	С	20
	d	24



Please order universal gripper set or gripper studs separately

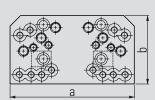
Support jaws

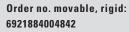


- Material: hardened steel
- For mounting various studs (pointed/smooth) or a universal gripper set
- For three-point clamping
- Front surface can be used as clamping surface (hardened and ground)
- Supplied without studs (pointed/smooth) or gripper set

You will find dimensions of the individual gripper items and the gripper studs at www.allmatic.de

Order no. fixed: 6921734005842









Jaw width	125	
Dimensions in mm	а	189
	b	104
	С	20
	d	24



Jaw width	125	
Dimensions in mm	a	97
	b	73
	С	20
	d	24



Please order universal gripper set or gripper studs separately

Step jaws for gripper studs

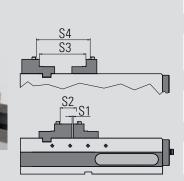


- · Material: Hardened steel
- High and stepped sides with thread for parallels
- · Ground clamping surfaces
- Additional thread on the high side for mounting the HD jaws (Typ 125 200)
- Suitable for screw-in gripper studs

Please order gripper studs separately

- First and second clamping steps are possible without changing jaws
- Click system on the high side

Note: The movable jaw has no pendulum compensation. It is suitable for rectangular workpieces (saw cuts) // <= 0.5 (concurrency less than or equal to 0.5 mm) or cylindrical workpieces 0 <= 0.5 (roundness less than or equal to 0.5 mm)



Jaw width		125
Dimensions in mm	а	34
	b	124,4
	b1	74
	С	24
	d	20
	h	39,5
	1	92

Order no. fixed:

6921884051031

Jaw width		125
Dimen- sions in mm	а	47
	b	124,4
	b1	74
	С	24
	d	20
	h	39,5
	- 1	70
	Γ	40

Order no. movable :

6921884050031

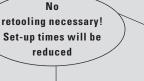
	TITAN 2 K	TITAN 2 M	TITAN 2 L
Clamping width S1	0 - 64	0 – 182	0 – 314
Clamping width S2	49 - 108,5	49 - 226	49 - 358
Clamping width S2 round workpiece	Ø 88-220	Ø 88-220	Ø 88-220
Clamping width S3	83 - 195	131 - 313	87 - 445
Clamping width S3 * with enlargement	174 - 287	228 - 405	360 - 537
Clamping width S4	108,5 - 216	157 - 334	113 - 466
Clamping width S4 * with enlargement	282 - 395	336 - 513	442 - 624

* Clamping width enlargement: 6921685008055

43

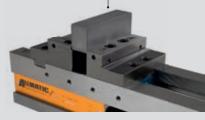


clamping unmachined parts round





clamping unmachined parts quadratic



No

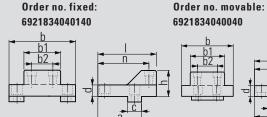
clamping pre-machined workpieces

Reduced-width jaws for gripper studs



- Material: hardened steel
- Allows unhindered access to the workpiece, even with short tools
- For clamping small to medium-sized workpieces
- Suitable for screw-in gripper studs
- First and second clamping steps are possible without changing jaws
- Click system on the high side

Note: The movable jaw has no pendulum compensation. It is suitable for rectangular workpieces (saw cuts) / / <= 0.5 (concurrency less than or equal to 0.5 mm) or cylindrical workpieces 0 <= 0.5 (roundness less than or equal to 0.5 mm)



	-	a ▶
Jaw widt	h	125
Dimen-	а	76
sions in mm	b	116
	b1	64
	b2	37
	С	24
	d	20

h

n

45

102

89

Jaw width		125
Dimen- sions in mm	а	47
	b	96
	b1	64
	b2	37
	С	24
	d	20
	h	45
	- 1	92
	n	80



Please order gripper studs separately

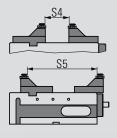
S1
S2
\$3

	TITAN 2 K	TITAN 2 M	TITAN 2 L
Clamping width S1	23 - 92	31 - 210	23 - 342
S1 with enlargement*	158 - 271	212 - 389	344 - 521
Clamping width S2	91 - 182	123 - 300	91 - 432
Clamping width S3	167 - 232	173 - 350	167 - 482
S3 with enlargement*	298 - 411	352- 529	484 - 661
Clamping width S4	15 - 85	25 - 203	15 - 335
Clamping width S5	159 - 225	165 - 343	159 - 475

No retooling necessary! For optimal accessibility also with short tools!









clamping unmachined parts round



clamping unmachined parts quadratic

clamping pre-machined workpieces

Universal gripper set

Order no. 6921884027031

Jaw width		125
Dimensions in mm	а	40
	b	18

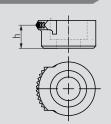
- For clamping complex unmachined parts
- By reworking the individual elements of the universal gripper set, both the gripper height and the support height of the workpiece can be varied.

Consisting of:

- 4 x gripper studs 6921884026000
- 4 x gripper stud mounting 6921884027000
- 4 x supports 6921884028000
- 8 x shims
- Support bolts
- M10 fastening bolts in various lengths
- M6 threaded rods in various lengths
- Socket screw wrench
- Storage case

Gripper stud





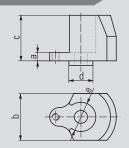
Order no. 6921884026000

Dimensions in mm	h	11

• Gripper stud for universal gripper set

Gripper stud mount





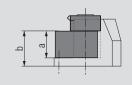
Order no. 6921884027000

Dimensions in mm	а	7
	b	40
	С	39
	d	Ø 20
	е	Ø 25

• Mounting for gripper stud 6921884026000

Support





Order no. 6921884028000

Dimensions in mm	а	22
	b	29

• Support for universal gripper set

Prismatic gripper

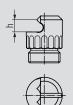
Order no. 6921884029031

Dimensions in mm	а	dia. 20
	b	dia. 120
	h	6

- Replaces gripper stud 6921884026000 in the universal gripper set
- Special shape distributes the applied clamping force particularly advantageous for clamping workpieces that require fits to be made

Gripper stud, pointed





Order no. 6921884036000

Dimensions in mm h 5.5

- For clamping unmachined parts
- Least possible lost clamping margin
- Clamping height: adjustable from 4.5 to 6.0 mm

Gripper stud, low







Order no. 6921884036100

Dimensions in mm h 5

- For clamping unmachined parts
- Least possible lost clamping margin
- Clamping height: adjustable from 3.0 to 4.5 mm

Clamping insert, four-point







Order no. 6921884036500

Dimensions in mm h 5.4

- For clamping unmachined parts
- For soft materials such as aluminium
- Least possible lost clamping margin
- Clamping height approx. 4.5 mm to 6.0 mm

Gripper stud, carbide coated



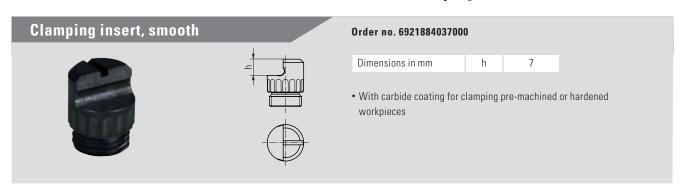


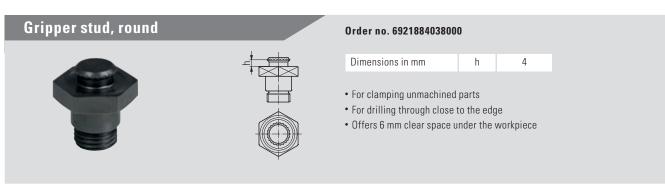


Order no. 6921884036841

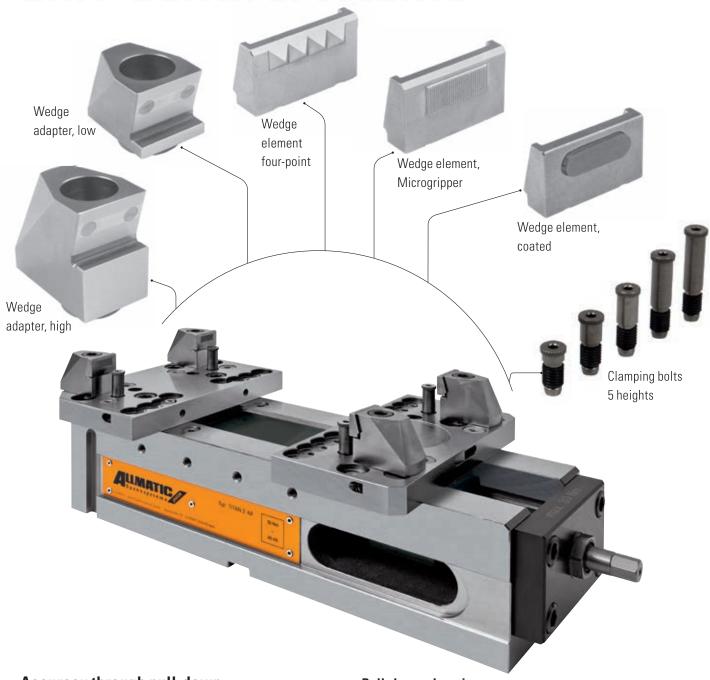
Dimensions in mm h 5.1

- For clamping unmachined parts
- For quenched and tempered materials and flame-cut materials
- Least possible lost clamping margin, clamping height approx. 4.2 mm to 5.7 mm





TITAN 2 K/M/L PULL-DOWN CLAMPING



Accuracy through pull-down

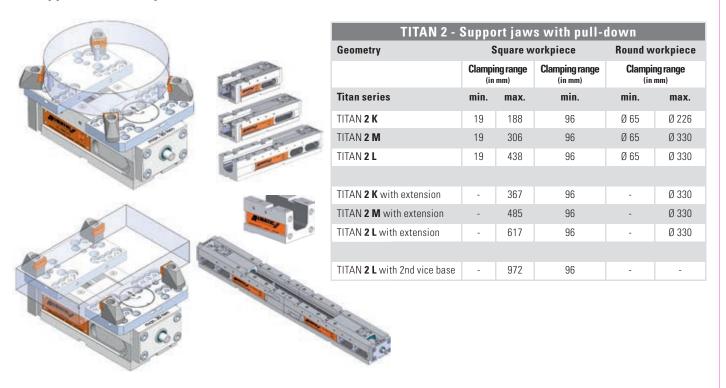
The support jaws and the pull-down system ensure accurate, versatile and secure clamping of the unmachined parts. The workpiece is positioned on ground clamping bolts which make the connection to the guideway. In this way, the parallelism of the guideway or of the machine table is transferred to the workpiece, thus achieving even greater clamping accuracy. Vibrations in the workpiece during machining are to a large extent avoided. The pull-down system can be found on the following pages.

Pull-down clamping:

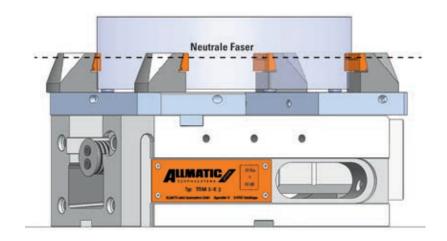
- Support jaws are used to mount various wedge adapters and clamping bolts
- Wedge adapters can be bolted in various positions on the grid plate
- The various wedge elements can be changed quickly on the wedge adapters
- Additional pivot function of the support jaws compensates for non-parallel clamping surfaces and is required to clamp uneven workpieces
- · Accuracy through pull-down
- Clamping in the neutral filament can be optimised using the 5 different heights of the clamping bolts

CLAMPING WIDTHS – PULL-DOWN CLAMPING

Support jaws with pull-down



Clamping in the neutral filament



Support jaws



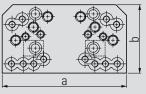
- Material: hardened steel
- For mounting various pull-down wedge elements, universal gripper set and gripper studs with thread (pointed/smooth)
- Front surface can be used as clamping surface (hardened and ground)

Pivot jaw:

- For clamping uneven workpieces
- To compensate for non-parallel clamping surfaces
- Supplied without clamping elements

You will find dimensions of the individual gripper items and the gripper studs at www.allmatic.de

Order no. fixed: 6921734005842



_	а	
د	,	

6921734072842

Order no. movable, pivoting:

Jaw width		125
Dimensions in mm	а	189
	b	104
	С	20
	d	24

Jaw width		125
Dimensions	а	189
in mm	b	97
	С	20
	d	24



Please order universal gripper set, pull-down studs, or gripper studs separately

Pull-down set case, low





Order no. 6921734027031

Jaw width		125
Dimensions in mm	а	4
b		24
	С	21.7
d		dia. 20
	е	dia. 11
	h	23 / 34

- Pull-down elements suitable for clamping and pulling down clamping surfaces that are unmachined or pre-machined onto the guideway or onto the supplied clamping bolts
- In this way, workpieces can be clamped almost exactly parallel to the guideway for machining
- The direct contact to the clamping bolts largely avoids vibrations in the workpiece

Pull-down set consisting of:

- 1 x foamed case
- 4 x wedge adapter, low
- 4 x bolts, M10 x 30 mm
- 4 x wedge element, 4 point
- 4 x wedge element Microgripper
- 4 x clamping bolts 23 mm
- 4 x clamping bolts 34 mm

ALLMATIC GRIPP – mechanical/version TITAN 2 (pull-down clamping accessories)

Pull-down set case, high

Order no. 6921734027131

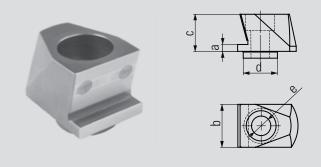
Jaw width		125
Dimensions in mm	а	18
	b	24
С	С	35.7
	d	dia. 20
	е	dia. 11
	h	34 / 48

- Pull-down elements suitable for clamping and pulling down clamping surfaces that are unmachined or pre-machined onto the guideway or onto the supplied clamping bolts
- In this way workpieces can be clamped almost exactly parallel to the guideway for machining
- The direct contact to the clamping bolts largely avoids vibrations in the workpiece

Pull-down set consisting of:

- 1 x foamed case
- 4 x wedge adapter, high
- 4 x bolts, M10 x 45 mm
- 4 x wedge element, 4 point
- 4 x wedge element Microgripper
- 4 x clamping bolts 48 mm
- 4 x clamping bolts 34 mm

Wedge adapter, low

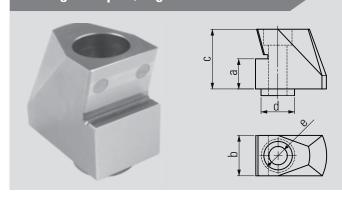


Order no. 6921834027041

Dimensions in mm	а	4
	b	24
	С	21.7
	d	dia. 20
	е	dia. 11

 Wedge adapter, low, for use on support jaws. For mounting the four-point, Microgripper, round and coated wedge elements supplied without M10 x 30 mm fastening bolt (see next page)

Wedge adapter, high



Order no. 6921834027141

Dimensions in mm	a	18
	b	24
	С	35.7
	d	dia. 20
	е	dia. 11

 Wedge adapter, high, for use on support jaws. For mounting the four-point, Microgripper, round and coated wedge elements supplied without M10 x 45 mm fastening bolt (see next page)

Fastening bolt, low



Order no. 8006101030050

- For fastening the wedge adapter, low, on the support jaws
- M 10 X 30 mm

Fastening bolt, high



Order no. 8006101045050

- For fastening the wedge adapter, high, on the support jaws
- M 10 X 45 mm

Wedge element, four-point







Order no. 6921834025040

Dimensions in mm	b	2.4
	h	16.5
	h1	13
	1	27.8

- Wedge elements for various shapes, surface conditions and materials
- Quick to exchange
- Minimum clamping depth 8 mm

Wedge element, Microgripper







Order no. 6921834025140

Dimensions in mm	h	16.5
	h1	11
	I	27.8

- Wedge elements for various shapes, surface conditions and materials
- Quick to exchange
- Minimum clamping depth 8 mm

Wedge element, coated







Order no. 6921834025240

Dimensions in mm b 1
h 16.5
h1 11.75
l 27.8

- Wedge elements for pre-machined, surface conditions and materials
- Quick to exchange
- Minimum clamping depth 8 mm
- Please order the pads separately (see below)

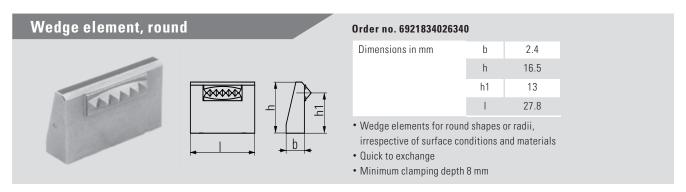
Blister-pads, diamond-coated





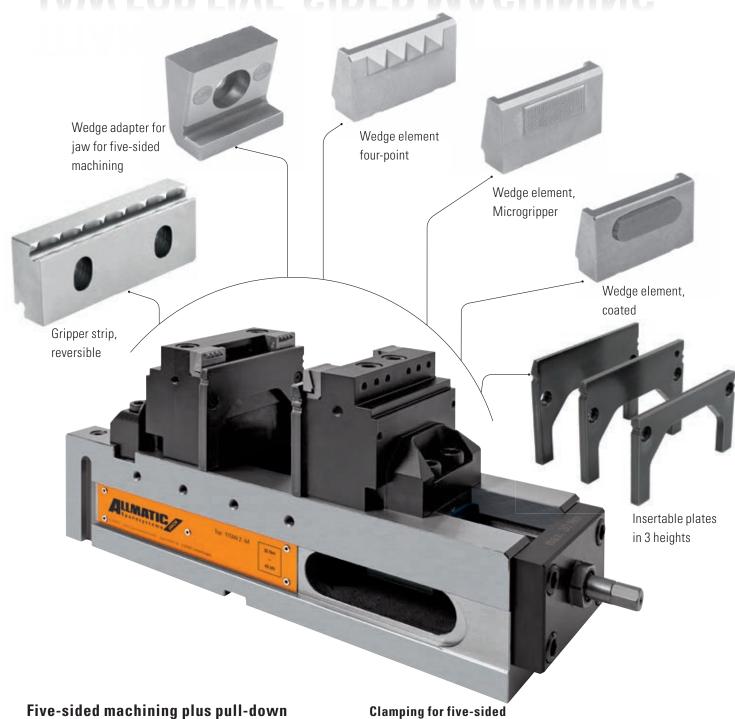
- Diamond-coated pads for secure clamping of machined surfaces without a visible impression
- Blister contents: 20 pads

ALLMATIC GRIPP – mechanical/version TITAN 2 (pull-down clamping accessories)





TITAN 2 K/M/L JAW FOR FIVE-SIDED MACHINING



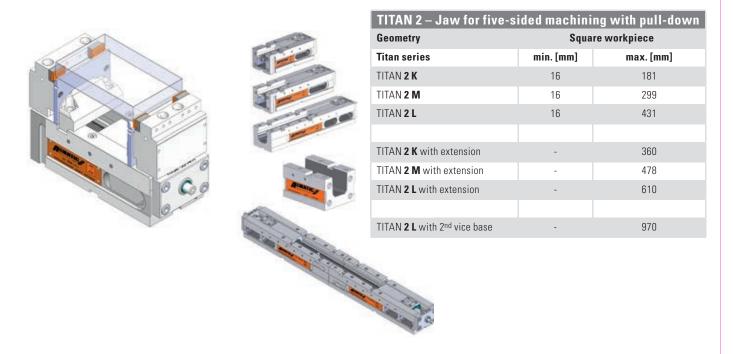
The five-sided machining jaw with pull-down can clamp workpieces up to a height of 90 mm onto the guideway of the TITAN 2. The insertable plates are pressed onto the guideway using the pull-down effect, thus establishing an accurate parallel workpiece position. This largely avoids any vibration of the workpiece during machining. Accessibility with short tools is a particular advantage of the five-sided machining jaw. You will find jaws for five-sided machining on the following pages.

Clamping for five-sided machining:

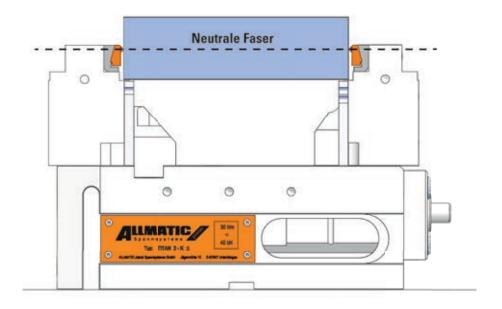
- Five-sided machining jaws are used to mount the wedge adapters and the insertable plates
- Wedge adapters can be bolted in various positions on the grid plate
- The various wedge elements can be quickly changed on the wedge adapters
- Suitable for five-sided machining with short tools
- Accuracy through pull-down
- · Stability through form-locking
- Clamping in the neutral filament can be optimised using the three support heights of the insertable plates

CLAMPING WIDTHS — JAW FOR FIVE-SIDED MACHINING

90-mm jaw for five-sided machining with pull-down



Clamping in the neutral filament



ALLMATIC GRIPP – mechanical / version TITAN 2 (five-sided machining jaws)

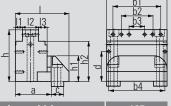
Jaws for five-sided machining



- Material: plasma-nitrided steel
- Particularly suitable for five-side machining
- Better accessibility for tools
- Ground clamping surfaces
- Additional thread for parallels
- Accuracy through pull-down
- Stability through form-locking

Please order wedge elements and insertable plates separately





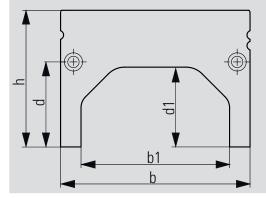
a c		<u> </u>
Jaw width		125
Dimensions	а	69
in mm	b	116
	b1	90
	b2	60
	b3	30
	b4	108
	С	24
	d	56
	h	97.5
	h1	48
	h2	76
	- 1	103
	11	13.5
	12	31
	13	16.5

Order no. fixed: 6921734047031 Order no. movable: 6921734048031

a - c		L b4 →
Jaw width		125
Dimensions	а	38
in mm	b	116
	b1	92
	b2	60
	b3	30
	b4	108
	С	24
	d	56
	h	97.5
	h1	48
	h2	76
	I	84
	11	13.5
	12	27
	13	16.5

Case set for five-sided machining jaw





Order no. 6921734027531

Jaw width 125		Insertable plate	Wedge adapter
Dimensions in mm	b	125	24.15
	b1	98	-
	d	56	-
	d1	53	-
	h	90	21.45
	- 1	7.6	11.8

- Pull-down elements suitable for clamping and pulling unmachined clamping surfaces down onto the guideway or onto the 90-mm support plates supplied
- In this way workpieces can be clamped almost exactly parallel to the guideway for machining
- The direct contact to the support plates largely avoids vibrations in the workpiece



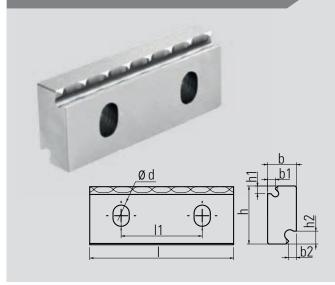


Pull-down set consisting of:

- 1 x foamed case
- 4 x wedge adapters
- 4 x wedge element, four-point
- 4 x wedge element, Microgripper
 - 2 x insertable plates (H=90 mm)
- 20 x cheese-head screws M 6 x 8

ALLMATIC GRIPP – mechanical / version TITAN 2 (five-sided machining jaws)

Gripper strip, reversible

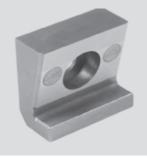


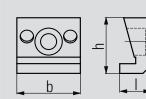
Order no. 6921734036031

Dimensions in mm	b	11
	b1	3
	b2	3
	d	6.2
	h	22.5
	h1	3
	h2	5
	I	55
	I1	311

- Gripper strip can be reversed for mounting on the five-sided machining jaw (4 of them are required)
- \bullet For clamping unmachined parts close to the edge, 3 or 5 mm
- Incl. 2 bolts M 6 x 16 each

Wedge adapter for jaw for five-sided machining





Order no. 6921834027540

Dimensions in mm	b	24.15
	h	21.45
	ı	11.8

- Wedge adapter for use five-sided machining jaws. For mounting the 4-point, Microgripper, round and coated wedge elements
- Supplied without M6 x 8 mm fastening bolt (see next page)

Wedge element, four-point







Order no. 6921834025040

Dimensions in mm	b	2.4
	h	16.5
	h1	13
	- 1	27.8

- Wedge elements for various shapes, surface conditions and materials
- Quick to exchange
- Minimum clamping depth 8 mm

Wedge element, Microgripper







Dimensions in mm	h	16.5
	h1	11
		27.8

- Wedge elements for various shapes, surface conditions and materials
- Quick to exchange
- Minimum clamping depth 8 mm

ALLMATIC GRIPP – mechanical / version TITAN 2 (five-sided machining jaws)

Wedge element, coated

Order no. 6921834025240

Dimensions in mm	b	1
	h	16.5
	h1	11.75
	- 1	27.8

- Wedge elements for pre-machined, surface conditions and materials
- Quick to exchange
- Minimum clamping depth 8 mm

• Please order the pads separately (see below)

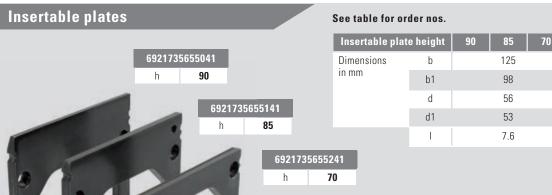
Pads, diamond-coated, in blister pack

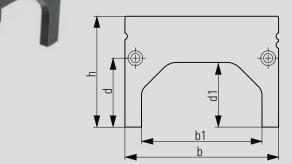




Order no. 6921834028141

- Diamond-coated pads for secure clamping of machined surfaces without a visible impression
- Blister contents: 20 pads





- Three support heights
- For levelling the workpiece on the five-sided machining jaws
- Material: hardened steel
- Ground to high accuracy
- Supplied **without** M6 x 8 mm fastening bolt (see next page)

Fastening bolt for five-sided machining

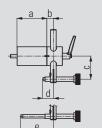


- For fastening the wedge adapters on the five-sided machining jaws
- For fastening the insertable plates on the five-sided machining jaws
- M 6 x 8 mm

ALLMATIC GRIPP – mechanical / version TITAN 2 (accessories)

Workpiece stop





a b	
	Dimens



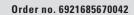
Order no. 6921285650144

Dimensions in mm	а	67
	b	15
	С	33 – 92
	d	12 - 63.5
	е	53.5 – 113.5

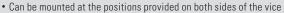
- Can be mounted at the positions provided on both sides of the vice
- Fastening thread M8
- Position of the third workpiece access can be preset and clamped. Workpiece stop can be swivelled away once the workpiece has been
- This allows the stop side of workpiece to be machined as well (repeating accuracy: ± 0.01)

Workpiece stop





Dimensions in mm	а	34
	b	27 – 59
	С	31
	d	27
	е	19



- Fastening thread M8
- Can be pre-mounted with various fixed dimensions
- Presettable position of the third axis of the workpiece

Clamping width enlargement



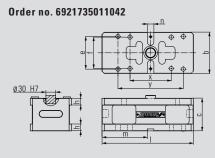


Jaw width		125
Dimensions in mm	а	176
	d	117

- For increasing the clamping width of the TITAN 2 K & M (optional L)
- Is attached to the end face of the TITAN 2 vice
- Clamping forces are not transmitted to the machine table
- Included: 1 pair of side clamps

ALLMATIC GRIPP – mechanical / version TITAN 2 (accessories)

• Material: GG30 • For raising the TITAN 2 K vice • Improvement of accessibility with five-sided machining • Scope of supply: console incl. fixing bolt for positioning the vice, 2 socket screw wrenches, 4 screws



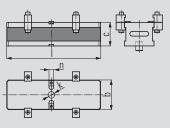
Jaw width		125
Dimensions in mm	b	126
	С	100
	е	100
	f	96
	h	21
	- 1	280
	m	139
	n	20 H7
	Х	126,2
	у	200

Console TITAN 2 M



- For TITAN 2 M
- Material: GG30
- For raising the vice
- Improvement of accessibility with five-sided machining
- Optional preparation for zero-point clamping system
- Scope of supply: console incl. fixing bolt for positioning the vice, 4 pairs of Duo side clamps, 2 socket screw wrenches

Order no. 6921885010042



Jaw width		125
Dimensions in mm	b	126
	С	100
	k	dia. 30
	1	400
	n	20

Torque wrench



Dimensions in mm	а	307
	AK (Drive square)	3/8"

- Adjustable between 10 60 Nm
- Only for operating the T-REX, TITAN and DUO Plus 125 high-pressure spindles

ALLMATIC GRIPP – mechanical / version TITAN 2 (accessories)

Side clamps (pair) Order no. 6921025000031

- For fastening the vice to the machine table
- Scope of supply includes 2 items

DUO side clamps Order no. 6921285000031 • For fastening device to a bracket or onto a machine table • 1 set consists of 2 pairs of side

clamps, including screw

connections

Aligning and fixing set



Order no. - see table

T-slot/ Thread	Order No.
12/M10	6921285600031
14/M12	6921285601031
16/M14	6921285602031
18/M16	6921285603031
20/M16	6921285606031
22/M16	6921285607031

- For aligning (positioning) and fastening the vice on the pallet and machine table
- Size according to T-slot or thread in the machine table