

ST5-2G

Sealed 5-axis self-centering vise

Ideal usable

for automation and pallet systems

Sealed

for protection against contamination

Extra large clamping range

maximum flexibility
for O.D. and I.D. clamping

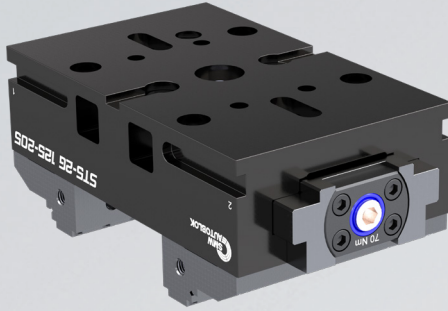
SMW
AUTOBLOK

2

Flexible mounting

on the machine table
via clamps (optional)

Interfaces below



for zero point clamping systems and mounting holes as a standard

Guideway hardened and precision ground

for highest precision and repeatability

Jaw versions:

BASIC - with Gripper top jaws

PREMIUM - with SinterGrip top jaws

Reversible jaws for lowest clamping depth of workpieces without pre-stamping

Manual actuation

sealed from both sides with highest transmission offers highest clamping forces for maximum hold of the workpiece and highest process reliability

Clamping glossary

Extra large clamping range

offers maximum application flexibility
For external and internal clamping



Spindle

Completely sealed, low-dirt spindle.



5-axis machining

Optimal accessibility for 5-side machining without interfering contours. Ideally suited for automation and pallet systems.



Interfaces

for zero point clamping systems (ZeroAct, WPS, APS)

Chip discharge window

guarantees optimized chip flow

- Sealed – protected spindle
- Self-centering

Application/customer benefits

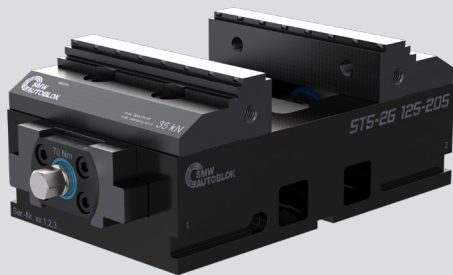
- Compact design for best accessibility and with large chip evacuation windows
- Large clamping range, for external and internal clamping
- Ideal for OP 10 and OP 20
- Self-centering clamping with highest repeatability
- Extensive range of jaws, to accommodate quick and easy changeover
- Different interfaces for mounting integrated

Technical features

- Sealed spindle for protection against contamination
- Sided chip discharge window to guarantee optimal chip and coolant discharge
- Base body manganese-phosphated, for protection against corrosion and cold welding
- Clamping force: up to 18 kN (ST5-2G 080), up to 35 kN (ST5-2G 125)
- Manual actuation from both sides
- Interface for zero point clamping systems

Standard equipment

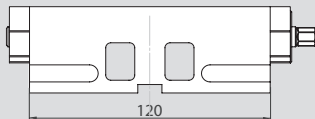
- ST5-2G with wrench



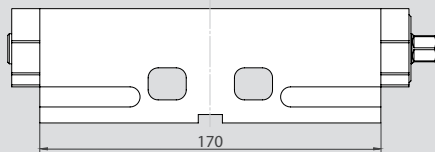
proofline® series
fully sealed – low maintenance

Size comparison

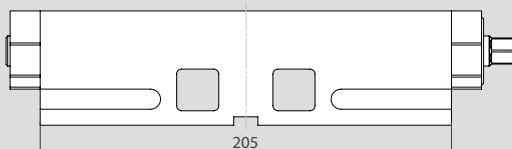
ST5-2G 080 - 120



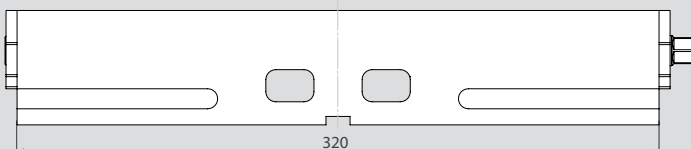
ST5-2G 125 - 170



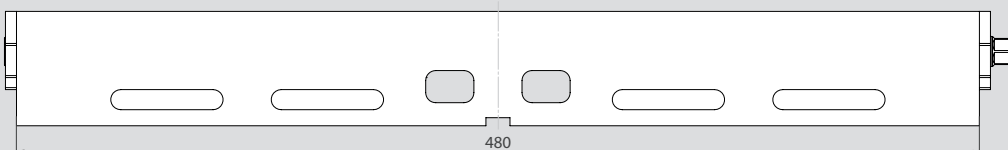
ST5-2G 125 - 205



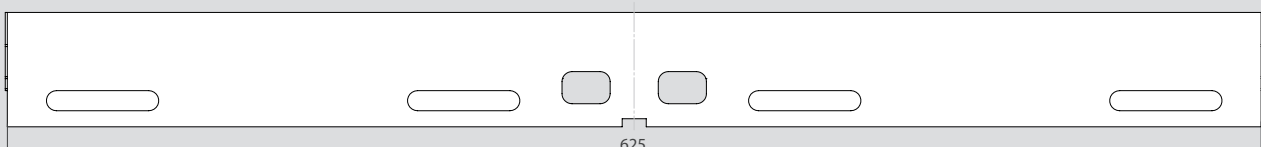
ST5-2G 125 - 320



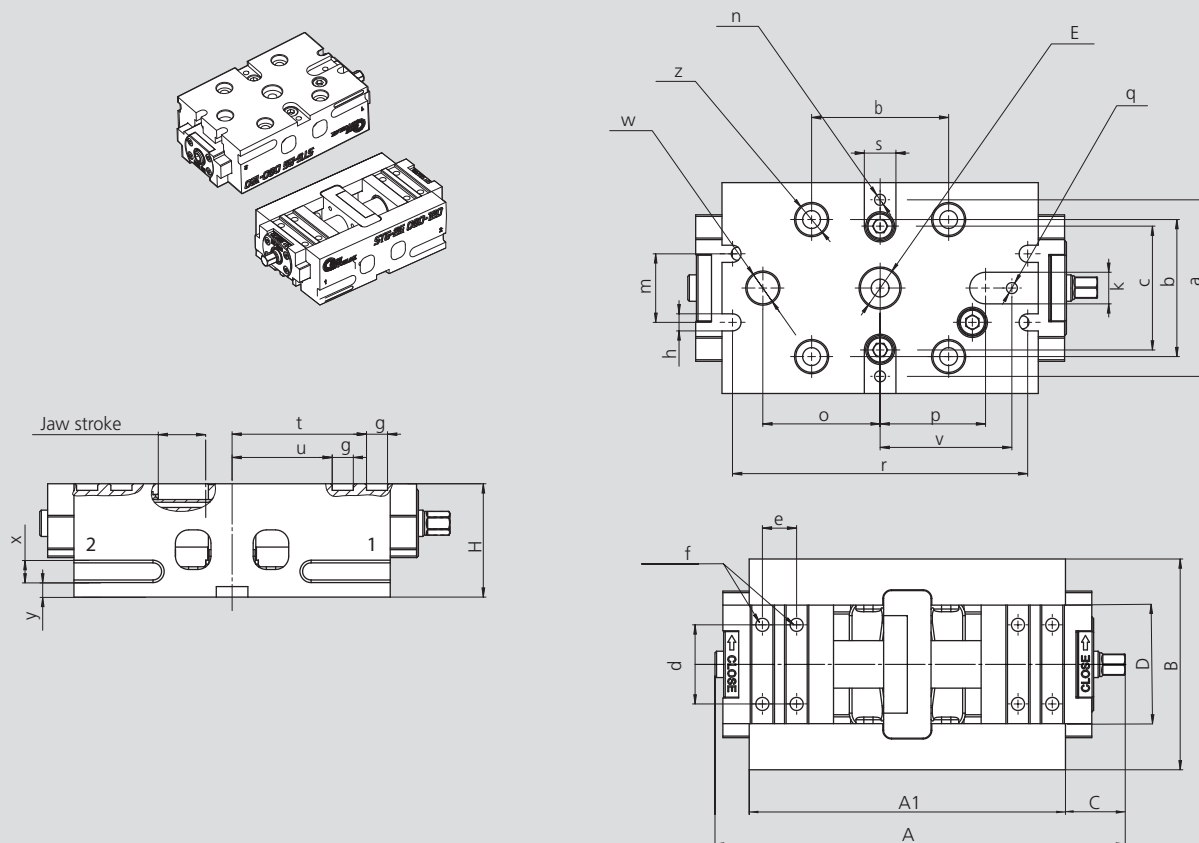
ST5-2G 125 - 480



ST5-2G 125 - 625



- Sealed – protected spindle
- Self-centering



Subject to technical changes. For more detailed information please ask our customer service.

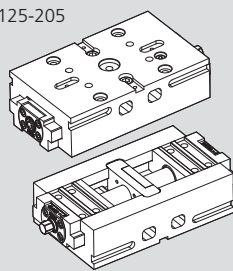
SMW-AUTOBLOK Type ST5-2G			080-120
Id. No.			466065
Overall length	A	mm	154
Base length	A1	mm	120
Width	B	mm	80
	C	mm	22.5
Jaw width	D	mm	45
Fitting / depth / center thread	E	mm	15H6 / 5.2 / M8x8.5
	H	mm	43
	a	mm	67
	b	mm	52
	c	mm	47
	d	mm	30
	e	mm	13
Thread / thread depth	f	mm	M6 / 9
Slot width	g	mm	8
	h	mm	6.5
	k	mm	12H7 / 4.2
	m	mm	26
Fixing hole	n	mm	M5 / 10
	o	mm	44.5
	p	mm	40
	q	mm	M5 / 10.5
	r	mm	112
	s	mm	12H7 / 4.2
Max. / min.	t	mm	51 / 33
Max. / min.	u	mm	38 / 20
	v	mm	50
	w	mm	12H7 / 6.5
	x	mm	8.5 / 3.2
	y	mm	5.5
Centering / center thread	z	mm	12H7 / 5.2 / M8x8
Max. Clamping force of all clamping points		kN	18
At max. torque (Md) / hexagonal		Nm	35 / 8
Stroke per jaw		mm	18
Weight (without jaws)		kg	2.49

ST5-2G 125

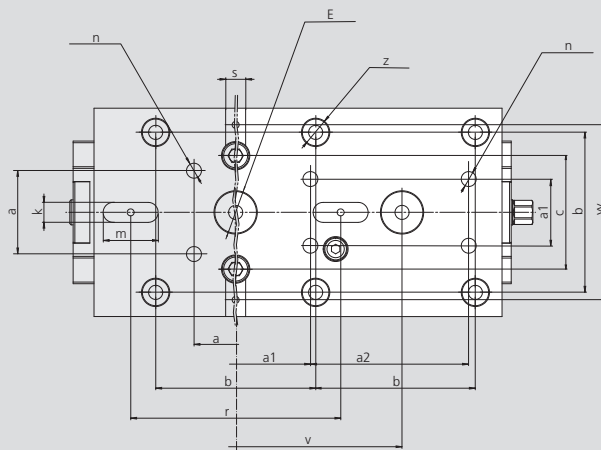
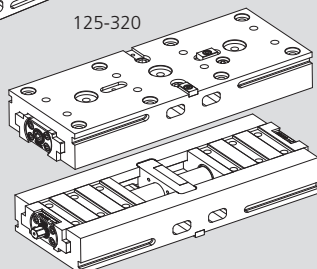
5-axis self-centering vise

- Sealed – protected spindle
- Self-centering

125-170 / 125-205

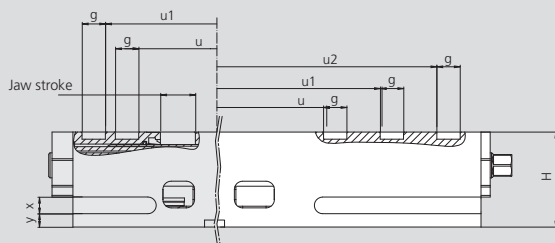
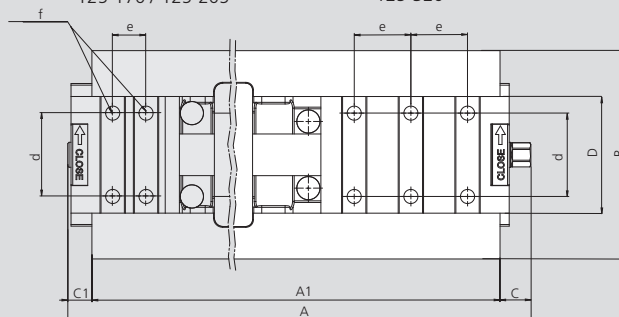


125-320



125-170 / 125-205

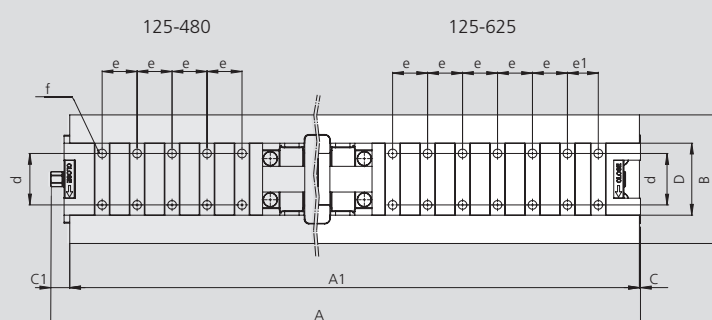
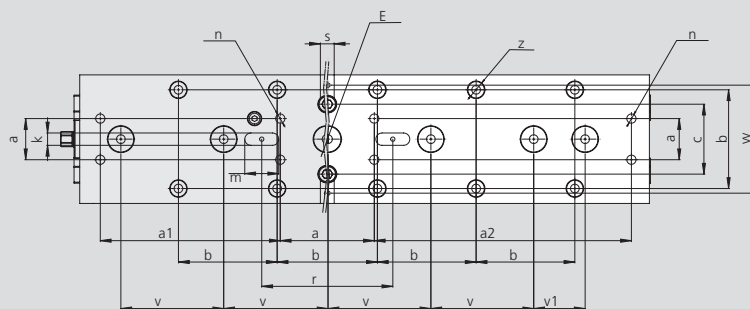
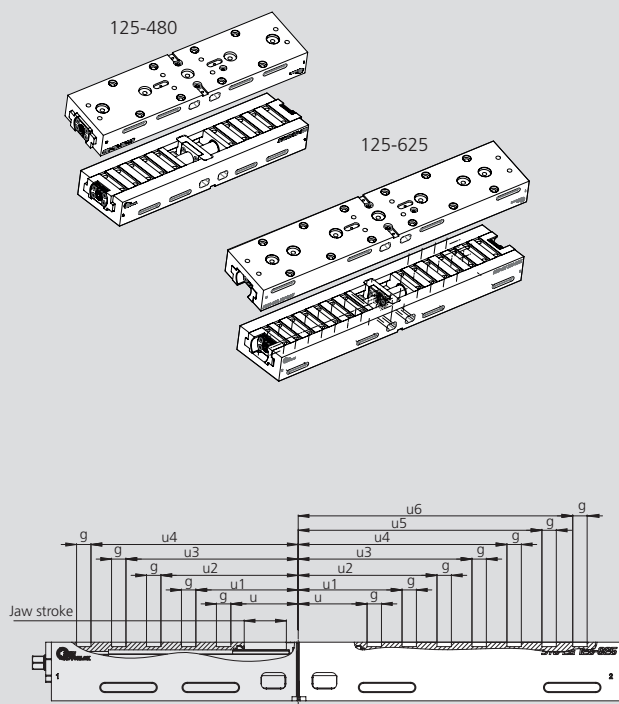
125-320



Subject to technical changes. For more detailed information please ask our customer service.

SMW-AUTOBLOK Typ ST5-2G			125-170 466057	125-205 466056	125-320 466224
Id. No.					
Overall length	A	mm	213.5	253	344.5
Base length	A1	mm	170	205	320
Width	B	mm	125	125	125
	C	mm	27.5	31	18.5
	C1	mm	16	17	6
Jaw width	D	mm	70	70	70
Fitting / depth / center thread	E	mm	25H6 / 5.5 / M10x14.5	25H6 / 5.5 / M10x14.5	25H6 / 5.5 / M10x14.5
	H	mm	57	57	57
	a	mm	50	50	-
	a1	mm	-	-	90 / 40
	a2	mm	-	-	95
	b	mm	96	96	96
	c	mm	68	68	68
	d	mm	50	50	50
	e	mm	20	20	34
Thread / thread depth	f	mm	M10 / 17	M10 / 17	M10 / 13
Slot width	g	mm	14	14	14
	k	mm	12H7 / 4.2	12H7 / 4.2	12H7 / 4.2
	m	mm	33	33	33
Fixing hole	n	mm	Ø9	Ø9	Ø9
	r	mm	126	126	
	s	mm	12H7 / 4.2	12H7 / 4.2	12H7 / 4.2
Max. / min.	u	mm	47 / 25.5	65.5 / 25.5	65.5 / 25.5
Max. / min.	u1	mm	67 / 45.5	85.5 / 45.5	99.5 / 59.5
Max. / min.	u2	mm	-	-	133.5 / 93.5
	v	mm	-	-	200
	w	mm	105	105	105
	x	mm	10 / 5.2	10 / 5.2	10 / 5.2
	y	mm	8	8	8
Centering / center thread	z	mm	16H7 / 5.5 / M10x13	16H7 / 5.5 / M10x13	16H7 / 5.5 / M10x13
Max. Clamping force of all clamping points		kN	35	35	35
At max. torque (Md) / hexagonal		Nm	70 / 13	70 / 13	70 / 13
Stroke per jaw		mm	21.5	40	40
Weight (without jaws)		kg	7.63	8.59	13.68

- Sealed – protected spindle
- Self-centering



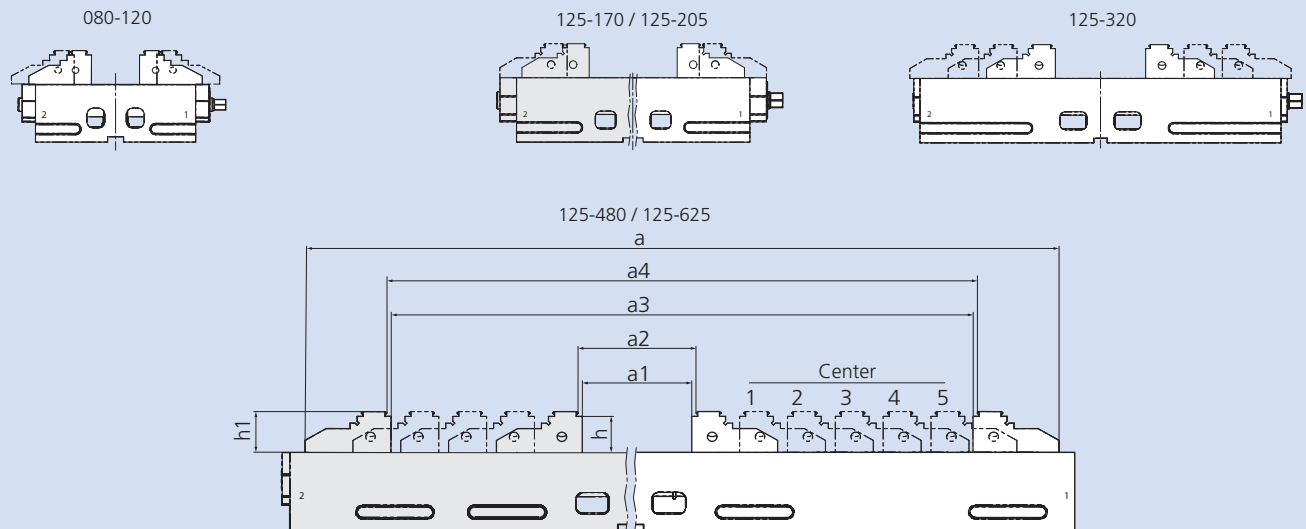
Subject to technical changes. For more detailed information please ask our customer service.

SMW-AUTOBLOK Typ ST5-2G			125-480	125-625
Id. No.			466602	466645
Overall length	A	mm	504.5	-
Base length	A1	mm	480	625
Width	B	mm	125	125
	C	mm	18.5	1
	C1	mm	6	-
Jaw width	D	mm	70	70
Fitting / depth / center thread	E	mm	25H6 / 5.5 / M10x12	25H6 / 5.5 / M10x12
	H	mm	57	57
	a	mm	90 / 40	90 / 40
	a1	mm	175	-
	a2	mm	-	250
	b	mm	96	96
	c	mm	68	68
	d	mm	50	50
	e / e1	mm	34 / -	34 / 30
Thread / thread depth	f	mm	M10 / 17	M10 / 17
Slot width	g	mm	14	14
	k	mm	12H7 / 4.2	12H7 / 4.2
	m	mm	33	33
Fixing hole	n	mm	Ø9	Ø9
	r	mm	126	126
	s	mm	12H7 / 4.2	12H7 / 4.2
Max. / min.	u	mm	65.5 / 25.5	65.5 / 25.5
Max. / min.	u1	mm	99.5 / 59.5	99.5 / 59.5
Max. / min.	u2	mm	133.5 / 93.5	133.5 / 93.5
Max. / min.	u3	mm	167.5 / 127.5	167.5 / 127.5
Max. / min.	u4	mm	201.5 / 161.5	201.5 / 161.5
Max. / min.	u5	mm	-	235.5 / 195.5
Max. / min.	u6	mm	-	265.5 / 225.5
	v	mm	100	100
	v1	mm	-	50
	w	mm	105	105
	x	mm	10 / 5.2	10 / 5.2
	y	mm	8	8
Centering / center thread	z	mm	16H7 / 5.5 / M10x13	16H7 / 5.5 / M10x13
Max. Clamping force of all clamping points	kN		35	35
At max. torque (Md) / hexagonal	Nm		70 / 13	70 / 13
Stroke per jaw	mm		40	40
Weight (without jaws)	kg		21.65	28.11

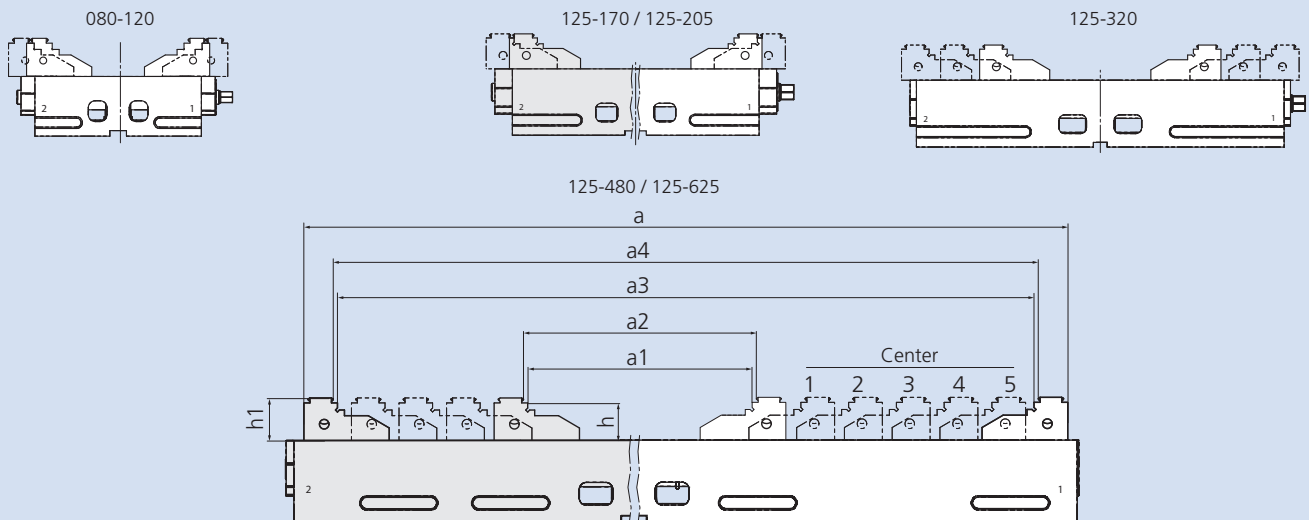
ST5-2G

5-axis self-centering vise

■ Clamping range



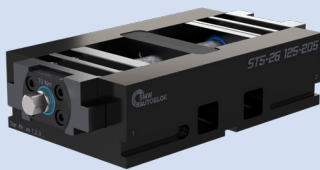
Type		080-120	125-170	125-205	125-320	125-480	125-625
Interference contour	a	156	202	242	338	474	602
Inner position	a1	0-36	0-43	0-80	0-80	0-80	0-80
Inner position	a2	6-42	6-49	6-86	6-86	6-86	6-86
Center 1		-	-	-	68-148	68-148	68-148
Center 1		-	-	-	74-154	74-154	74-154
Center 2		-	-	-	-	136-216	136-216
Center 2		-	-	-	-	142-222	142-222
Center 3		-	-	-	-	204-284	204-284
Center 3		-	-	-	-	210-290	210-290
Center 4		-	-	-	-	-	272-352
Center 4		-	-	-	-	-	278-358
Center 5		-	-	-	-	-	340-420
Center 5		-	-	-	-	-	346-426
Outer position	a3	26-62	40-83	40-120	136-216	272-352	400-480
Outer position	a4	32-68	46-89	46-126	142-222	278-358	406-486
Support height	h	24	26.5	26.5	26.5	26.5	26.5
Jaw height	h1	27.5	30	30	30	30	30



Type		080-120	125-170	125-205	125-320	125-480	125-625
Interference contour	a	158	210	250	346	482	610
Inner position	a1	59-95	82-125	82-162	82-162	82-162	82-162
Inner position	a2	65-101	88-131	88-168	88-168	88-168	88-168
Center 1		-	-	-	122-202	150-230	150-230
Center 1		-	-	-	128-208	156-236	156-236
Center 2		-	-	-	-	218-298	218-298
Center 2		-	-	-	-	224-304	224-304
Center 3		-	-	-	-	286-366	286-366
Center 3		-	-	-	-	292-372	292-372
Center 4		-	-	-	-	-	354-434
Center 4		-	-	-	-	-	360-440
Center 5		-	-	-	-	-	422-502
Center 5		-	-	-	-	-	428-508
Outer position	a3	85-121	122-165	122-202	218-298	354-434	482-562
Outer position	a4	91-127	128-171	128-208	224-304	360-440	488-568

Set without jaws consisting of:

ST5-2G Self-centering vise with key



Type	Clamping range [mm]	Id. No.
ST5-2G 080-120	0-127	466065
ST5-2G 125-170	0-168	466057
ST5-2G 125-205	0-208	466056
ST5-2G 125-320	0-304	466224
ST5-2G 125-480	0-440	466602
ST5-2G 125-625	0-568	466645

Set BASIC consisting of:

ST5-2G Self-centering vise with key

+ 1 pair top jaws BASIC gripper incl. mounting screws*



Type	Clamping range [mm]	Id. No.
ST5-2G 080-120	0-127	466110
ST5-2G 125-170	0-168	466058
ST5-2G 125-205	0-208	466120
ST5-2G 125-320	0-304	466260
ST5-2G 125-480	0-440	466600
ST5-2G 125-625	0-568	466640

Set PREMIUM STD consisting of:

ST5-2G Self-centering vise with key

+ 1 pair top jaws SinterGrip incl. mounting screws

+ 12 pieces SinterGrip clamping inserts STD incl. mounting screws*

+ 12 pieces protection covers*



Type	Clamping range [mm]	Id. No.
ST5-2G 080-120*	0-127	466111
ST5-2G 125-170	0-168	466059
ST5-2G 125-205	0-208	466121
ST5-2G 125-320	0-304	466261
ST5-2G 125-480	0-440	466601
ST5-2G 125-625	0-568	466641

Set PREMIUM ALU consisting of:

ST5-2G Self-centering vise with key

+ 1 pair top jaws SinterGrip incl. mounting screws

+ 12 pieces SinterGrip clamping inserts ALU incl. mounting screws*

+ 12 pieces protection covers*



Type	Clamping range [mm]	Id. No.
ST5-2G 080-120*	0-127	466111A
ST5-2G 125-170	0-168	466059A
ST5-2G 125-205	0-208	466121A
ST5-2G 125-320	0-304	466261A
ST5-2G 125-480	0-440	466601A
ST5-2G 125-625	0-568	466641A

Set PREMIUM HRC consisting of:

ST5-2G Self-centering vise with key

+ 1 pair top jaws SinterGrip incl. mounting screws

+ 12 pieces SinterGrip clamping inserts HRC incl. mounting screws*

+ 12 pieces protection covers*



Type	Clamping range [mm]	Id. No.
ST5-2G 080-120*	0-127	466111H
ST5-2G 125-170	0-168	466059H
ST5-2G 125-205	0-208	466121H
ST5-2G 125-320	0-304	466261H
ST5-2G 125-480	0-440	466601H
ST5-2G 125-625	0-568	466641H

* consists of 8 pieces

ST5-2G

5-axis self-centering vise

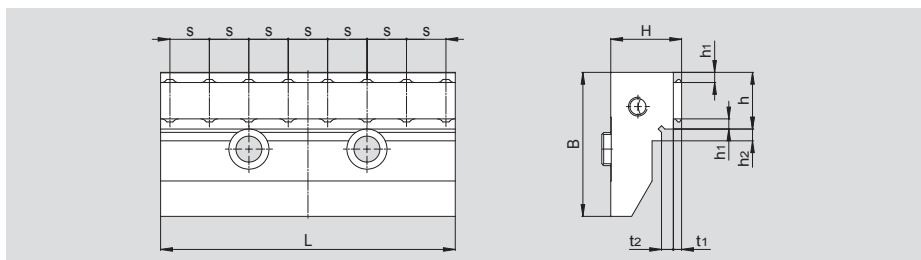
Accessories

■ Top jaws

Top jaws BASIC gripper



1 set = 2 pieces; incl. 4 pcs. mounting screws

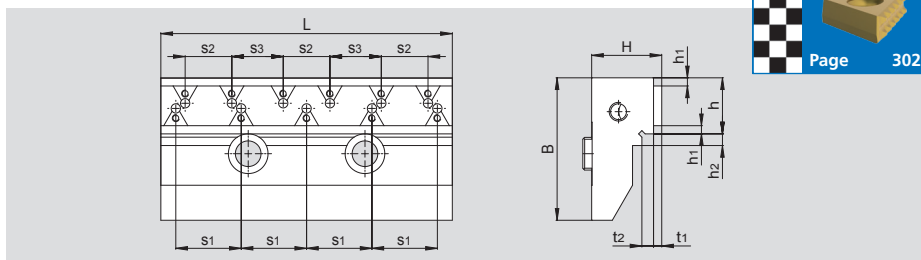


Type	Id. No.	L [mm]	B [mm]	H [mm]	s [mm]	h [mm]	h1 [mm]	h2 [mm]	t1 [mm]	t2 [mm]	[kg]
ST5-2G 080	466107	79.8	47	27.5	10.5 (7x)	18.5	3	5	3.5	4.5	1.06
ST5-2G 125	466094	124.8	61	30	16.7 (7x)	24	3	5	3.5	5	2.55

Top jaws PREMIUM SinterGrip



1 set = 2 pieces, without SinterGrip clamping inserts
incl. 4 pcs. mounting screws



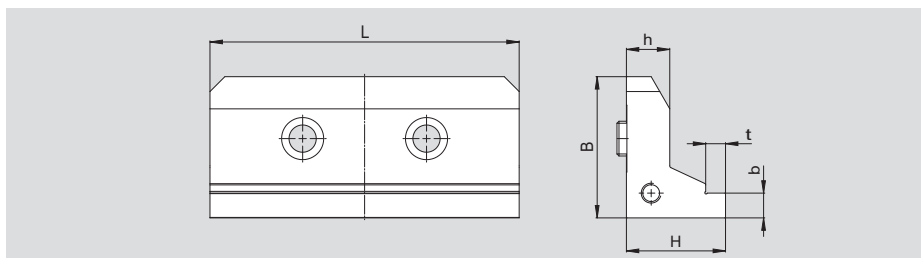
Page 302

Type	Id. No.	L [mm]	B [mm]	H [mm]	s1 [mm]	s2 [mm]	s3 [mm]	h [mm]	h1 [mm]	h2 [mm]	t1 [mm]	t2 [mm]	[kg]	SinterGrip / jaw
ST5-2G 080	466108	79.8	47	27.5	27 (2x)	22 (3x)	-	18.5	3.5	5	3.5	4.5	1.04	4+3
ST5-2G 125	466095	124.8	61	30	28 (4x)	20 (3x)	22 (2x)	24	3.5	5	3.5	5	2.41	6+5

Top jaws, smooth

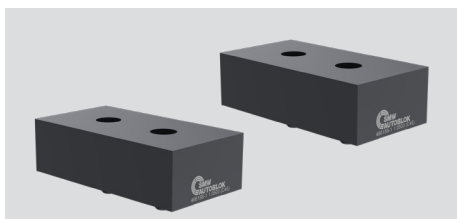


1 set = 2 pieces; incl. 4 pcs. mounting screws

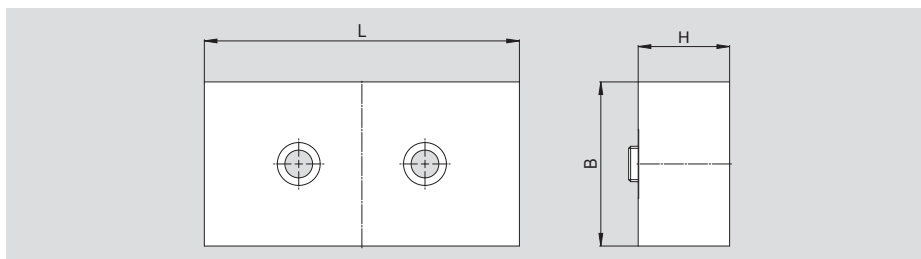


Type	Id. No.	L [mm]	B [mm]	H [mm]	h [mm]	b [mm]	t [mm]	[kg]
ST5-2G 080	466200	79.8	38.5	30	15.5	8	6	0.9
ST5-2G 125	466199	124.8	57	40	17.5	10	8	2.6

Top jaws, low design, material: 1.0503



1 set = 2 pieces; incl. 4 pcs. mounting screws



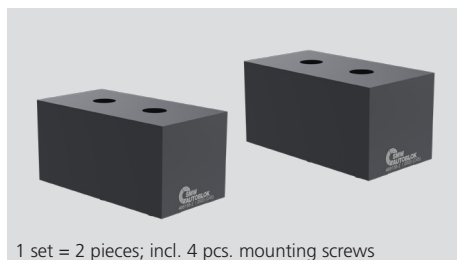
Type	Id. No.	L [mm]	B [mm]	H [mm]	[kg]
ST5-2G 080	466157-1	79.8	50	29.7	1.8
ST5-2G 080*	466333-1	79.8	50	29.7	0.7
ST5-2G 125	466158-1	124.8	65	36.2	4.5
ST5-2G 125*	466334-1	124.8	65	36.2	1.7

* Aluminium version

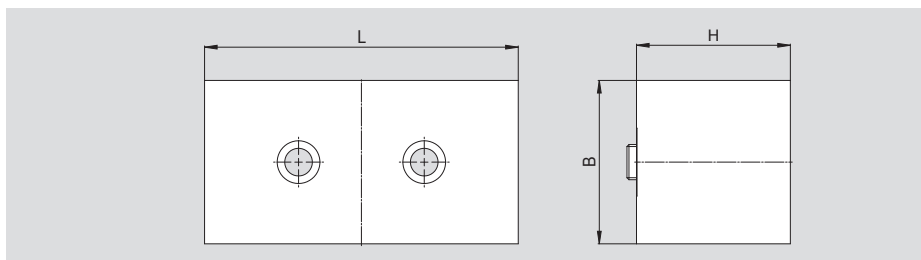
■ Top jaws

5-axis self-centering vise

Soft top jaws, high design, material 1.0503



1 set = 2 pieces; incl. 4 pcs. mounting screws



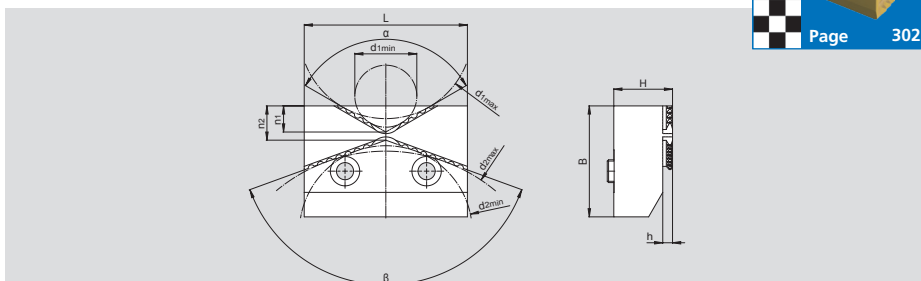
Type	Id. No.	L [mm]	B [mm]	H [mm]	[kg]
ST5-2G 080	466157-2	79.8	55	52.7	3.5
ST5-2G 080*	466333-2	79.8	55	52.7	1.2
ST5-2G 125	466158-2	124.8	65	61.2	7.5
ST5-2G 125*	466334-2	124.8	65	61.2	2.8

* Aluminum version

Top jaws BASIC gripper, for round workpieces



1 set = 2 pieces; incl. 4 pcs. mounting screws



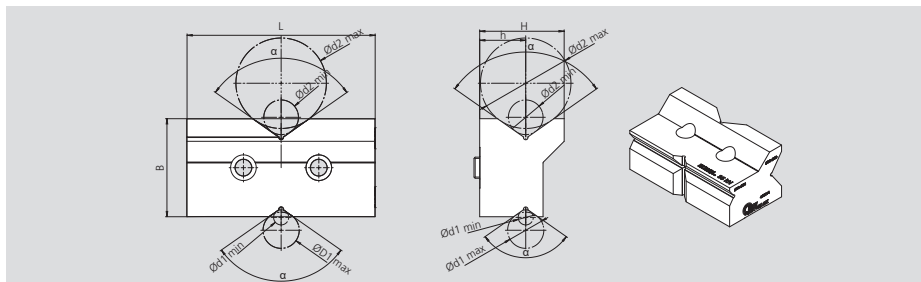
Page 302

Type	Id. No.	L [mm]	B [mm]	H [mm]	h [mm]	d1min [mm]	d1max [mm]	d2min [mm]	d2max [mm]	n1 [mm]	n2 [mm]	α	β	[kg]	Clamping range [mm]
ST5-2G 080	466282	65	45	20	4	18.2	67.5	65.8	124	10	15	120°	140°	0.8	Ø020-120
ST5-2G 125	466201	100	68	36	6	38	106	106	210	16	21	120°	140°	3.2	Ø038-210

Top jaws, smooth, prism jaws



1 set = 2 pieces; incl. 4 pcs. mounting screws

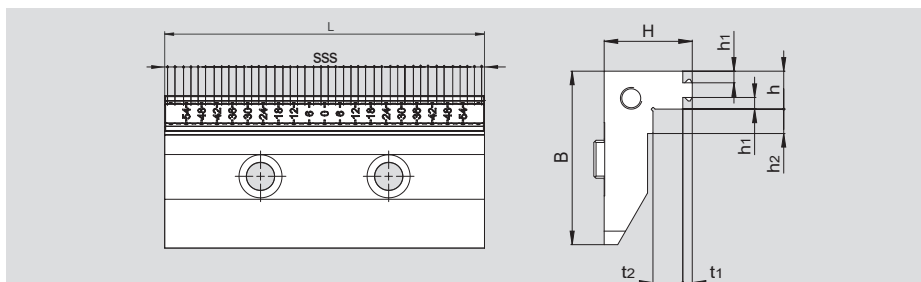


Type	Id. No.	L [mm]	B [mm]	H [mm]	h [mm]	d1min [mm]	d1max [mm]	d2min [mm]	d2max [mm]	α	[kg]	Clamping range [mm]
ST5-2G 080	466215	79.8	48	38	22	5	13	13	36	110°	1.7	Ø5-36
ST5-2G 125	466214	124.8	65	56	30.5	10	24	23	60	110°	5.5	Ø10-60

Top jaws, system „LANG“



1 set = 2 pieces; incl. 4 pcs. mounting screws



Type	Id. No.	L [mm]	B [mm]	H [mm]	s [mm]	h [mm]	h1 [mm]	h2 [mm]	t1 [mm]	t2 [mm]	[kg]
ST5-2G 080	466355	77	41	22	3 (25x)	12	2.7	8	3	8.5	0.6
ST5-2G 125	466349	124.8	59.5	32	3 (41x)	14	2.7	9	3	11	2.1

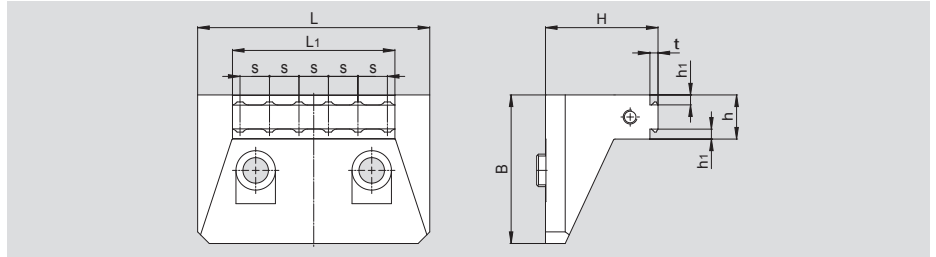
5-axis self-centering vise

■ Top jaws

Top jaws BASIC gripper, narrow design



1 set = 2 pieces; incl. 4 pcs. mounting screws

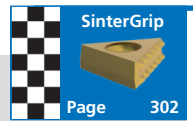
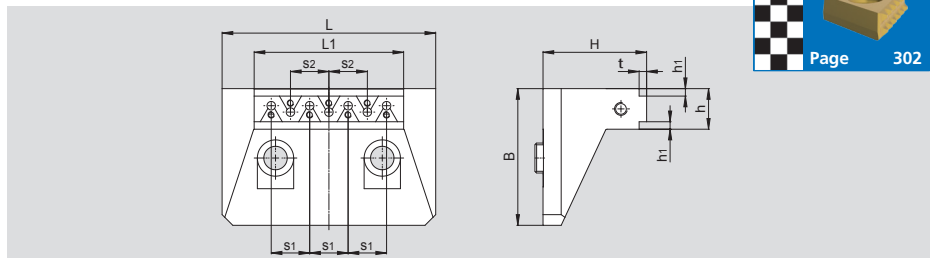


Type	Id. No.	L [mm]	B [mm]	H [mm]	L1 [mm]	s [mm]	t [mm]	h [mm]	h1 [mm]	[kg]
ST5-2G 080	466164	60	47	35.5	45	12.7	3.5	19	3	0.8
ST5-2G 125	466166	100	64	48.5	70	12.7	3.5	19	3	2.4

Top jaws PREMIUM SinterGrip, narrow design



1 set = 2 pieces, without SinterGrip clamping inserts
incl. 4 pcs. mounting screws

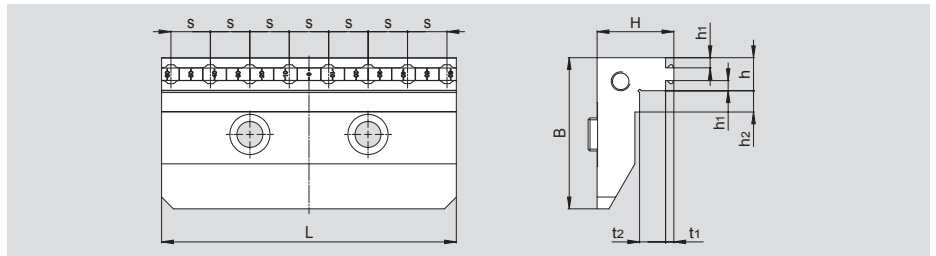


Type	Id. No.	L [mm]	B [mm]	H [mm]	L1 [mm]	s1 [mm]	s2 [mm]	h [mm]	h1 [mm]	t [mm]	[kg]	SinterGrip per jaw
ST5-2G 080	466165	60	47	35.5	45	16	16	19	3.5	3.5	0.75	3+2
ST5-2G 125	466167	100	64	48.5	70	18	18	19	3.5	3.5	2.4	4+3

Top jaws BASIC gripper, extended clamping depth



1 set = 2 pieces; incl. 4 pcs. mounting screws

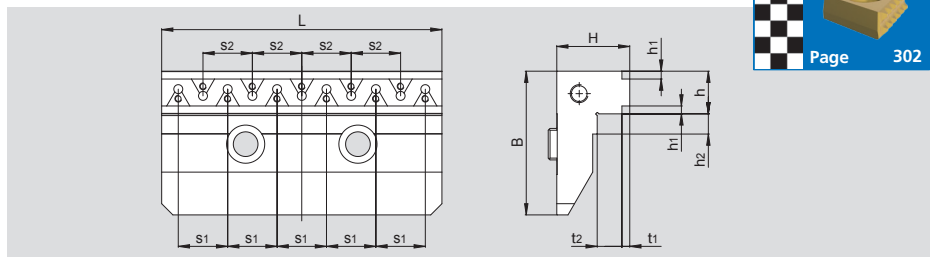


Type	Id. No.	L [mm]	B [mm]	H [mm]	s [mm]	h [mm]	h1 [mm]	h2 [mm]	t1 [mm]	t2 [mm]	[kg]
ST5-2G 080	466187	77	41	22	10.5 (7x)	12	3	8	3.5	8	0.6
ST5-2G 125	466185	124.8	59.5	32	16.7 (7x)	14	3	9	3.5	10.5	2.07

Top jaws PREMIUM SinterGrip, extended clamping depth



1 set = 2 pieces, without SinterGrip clamping inserts
incl. 4 pcs. mounting screws



Type	Id. No.	L [mm]	B [mm]	H [mm]	s1 [mm]	s2 [mm]	h [mm]	h1 [mm]	h2 [mm]	t1 [mm]	t2 [mm]	[kg]	SinterGrip per jaw
ST5-2G 080	466188	77	41	22	21 (3x)	21 (2x)	19	3.5	8	3.5	8	0.7	4+3
ST5-2G 125	466186	124.8	59.5	32	22 (5x)	22 (4x)	19	3.5	9	3.5	10.5	2.22	6+5

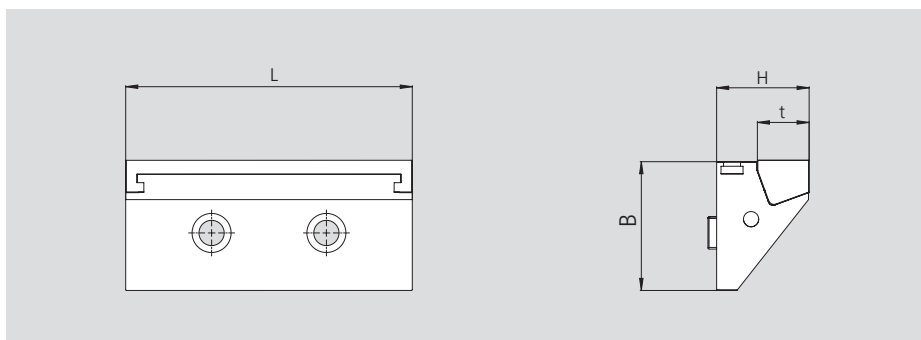
■ Jaws

5-axis self-centering vise

Pull-down jaws



1 set = 2 pull-down jaws, incl. 4 pcs. mounting screws

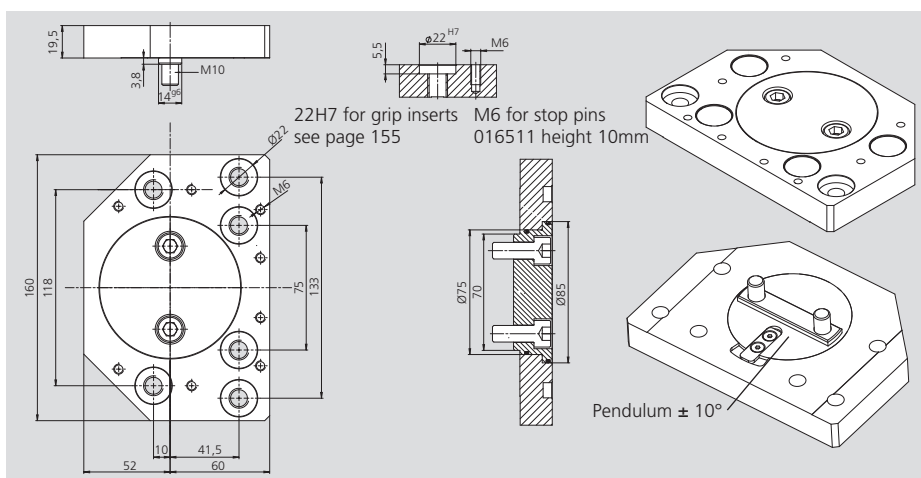


Type	Id. No.	L [mm]	B [mm]	H [mm]	t [mm]
ST5-2G 125 pull-down jaws	on request	124.8	56	40	22.5

Pendulum jaw, sealed



1 pendulum jaw, incl. 2 pcs. mounting screws

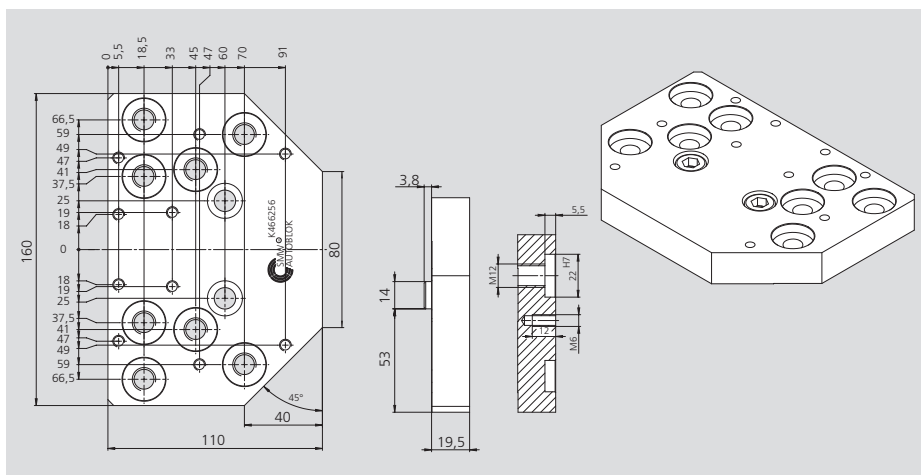


Type	Id. No.	[kg]
ST5-2G 125 Pendulum jaw	466255	2.34

Fix jaw, suitable for pendulum jaw



1 fix jaw, incl. 2 pcs. mounting screws



Type	Id. No.	[kg]
ST5-2G 125 Fix jaw	466256	2.22

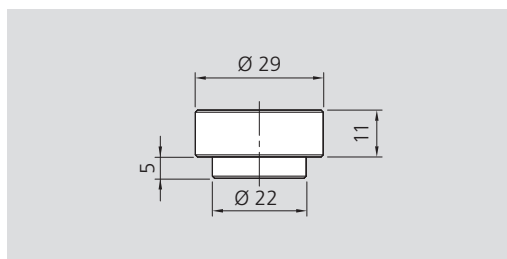
ST5-2G

5-axis self-centering vise

Accessories

■ Grip inserts

Grip insert smooth, height 11 mm



Smooth
Height 11 mm
Set consisting of 4 grippers
and 4 fixing screws

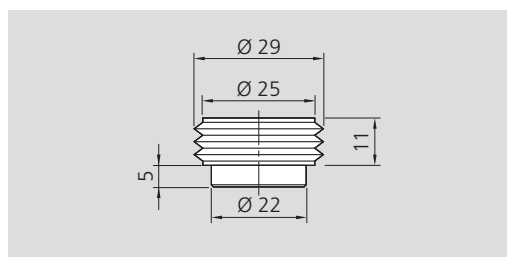
Type

Id. No.

ST5-2G

58906114

Grip insert serrated, height 11 mm



Serrated
Height 11 mm
Set consisting of 4 grippers
and 4 fixing screws

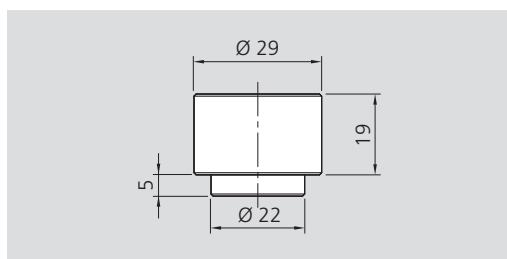
Type

Id. No.

ST5-2G

58906124

Grip insert smooth, height 19 mm



Smooth
Height 19 mm
Set consisting of 4 grippers
and 4 fixing screws

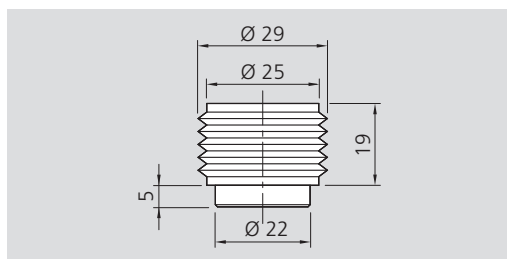
Type

Id. No.

ST5-2G

58906214

Grip insert serrated, height 19 mm



Serrated
Height 19 mm
Set consisting of 4 grippers
and 4 fixing screws

Type

Id. No.

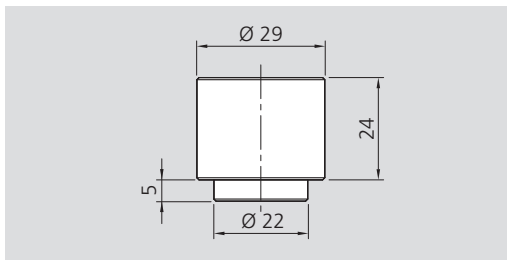
ST5-2G

58906224

- Grip inserts
- Stop pins ALB

5-axis self-centering vise

Grip insert smooth, height 24 mm



Smooth
Height 24 mm
Set consisting of 4 grippers
and 4 fixing screws

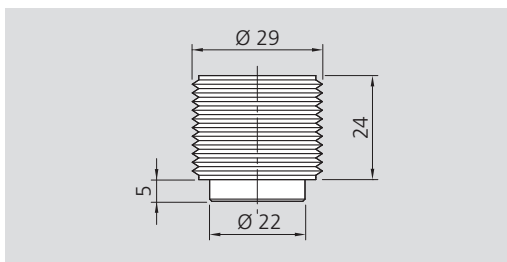
Type

ST5-2G

Id. No.

58906314

Grip insert serrated, height 24 mm



Serrated
Height 24 mm
Set consisting of 4 grippers
and 4 fixing screws

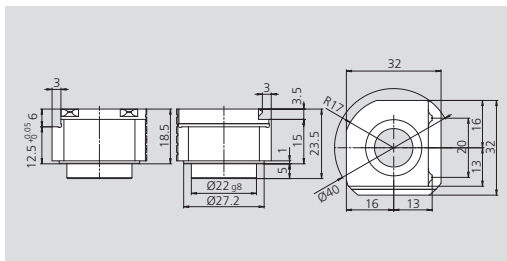
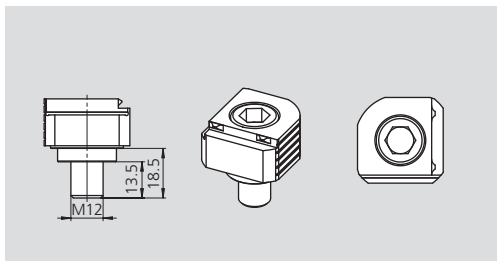
Type

ST5-2G

Id. No.

58906324

Grip insert Multigrip, height 12.5 mm



Multigrip
Height 12.5 mm
Set consisting of 1 gripper
and 1 fixing screw

Type

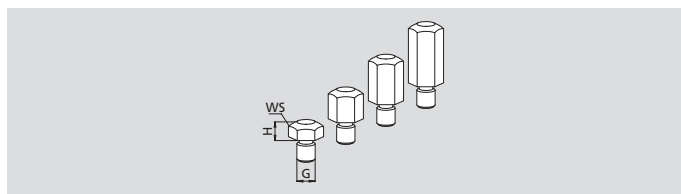
ST5-2G

Id. No.

466228

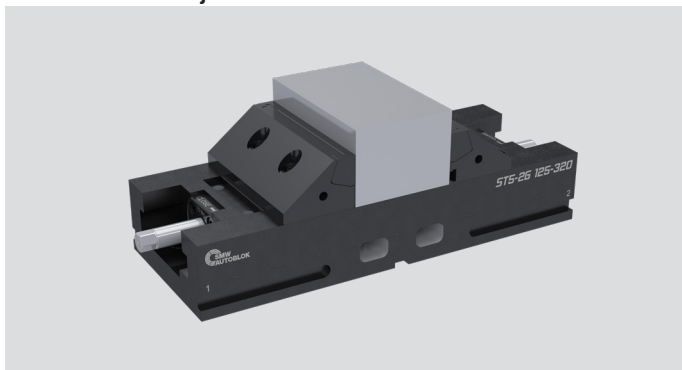
Stop pins ALB

SMW-AUTOBLOK Type	Id.-No.	G	H [mm]	SW
ALB 605	016513	M6	5	10
ALB 610	016511	M6	10	10
ALB 615	016512	M6	15	10
ALB 620	017602	M6	20	10



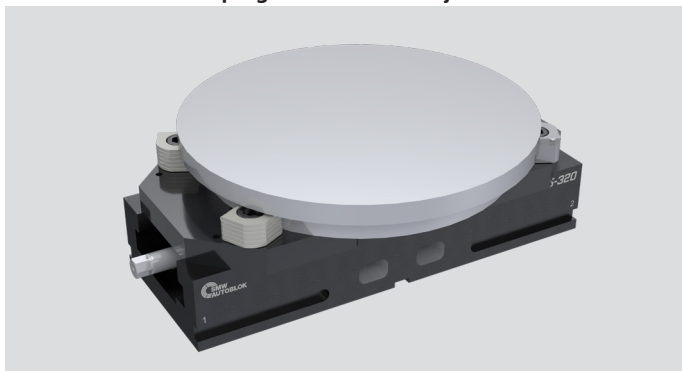
- Pull-down jaw
- Pendulum jaw

ST5-2G Pull-down jaw

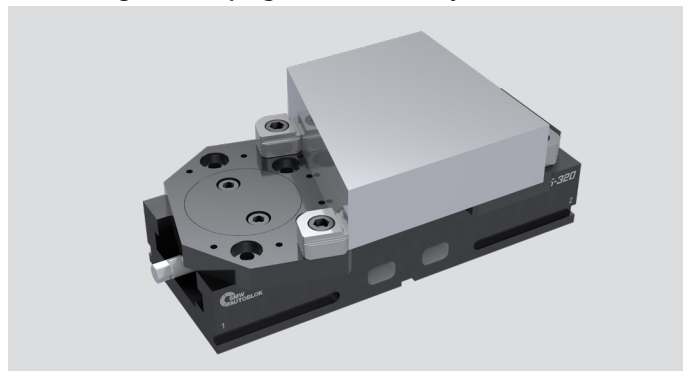


Pull-down jaws, work against the lifting of the workpiece.

ST5-2G Circular clamping with Pendulum jaw



ST5-2G Angular clamping with Pendulum jaw



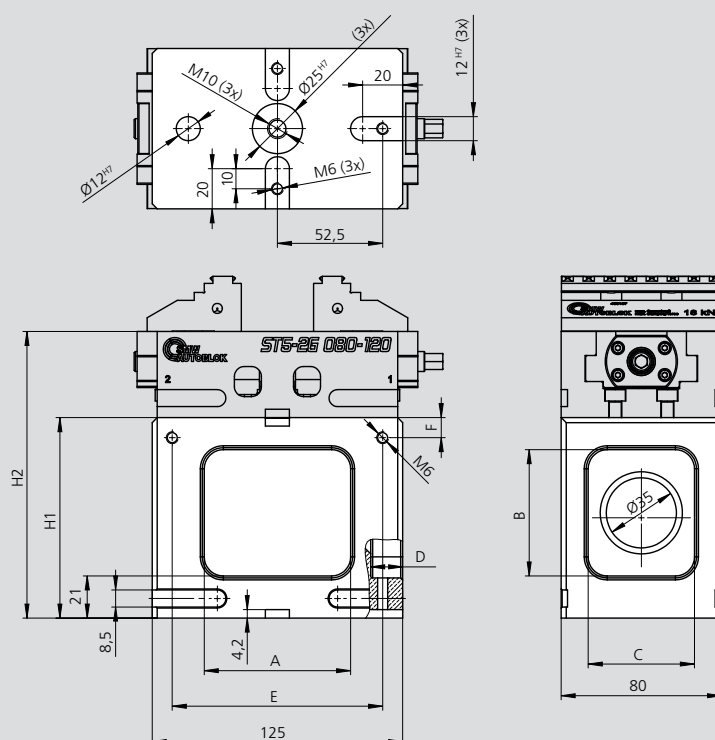
ST5-2G Small part clamping with Pendulum jaw



Pendulum jaws, in combination with our grip inserts, enable the clamping of irregularly shaped workpieces.

In order to ensure a regular contact of the clamping points, pendulum jaws are movable around a center of rotation.

Mounting devices for ST5-2G 080-120 (Aluminum)

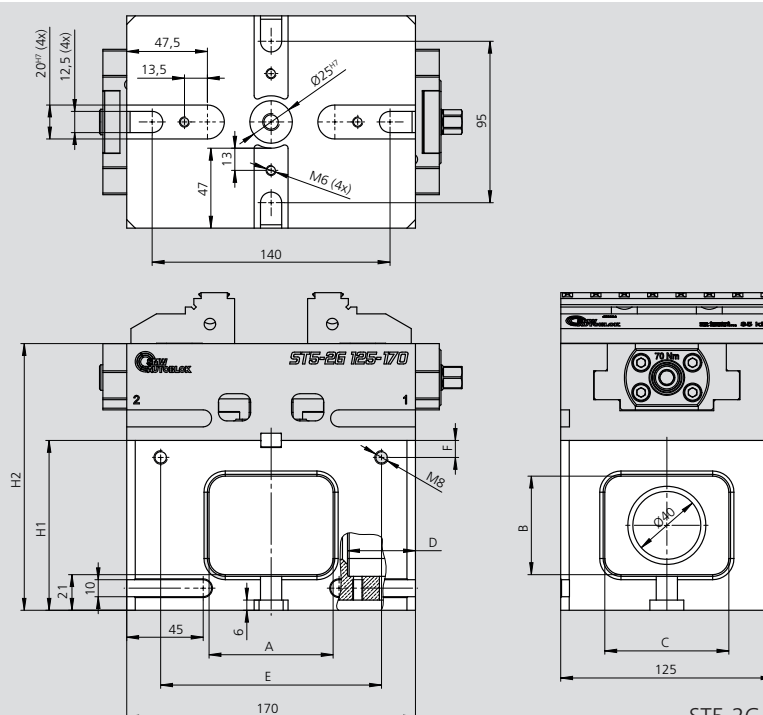


Subject to technical changes.

ST5-2G not included in scope of delivery.

Type	Id. No.	H1 [mm]	H2 [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
ST5-2G H60	466327	60	103	75	25	55	16	105	10
ST5-2G H100	466328	100	143	75	65	55	16	105	10

Mounting devices for ST5-2G 125-170 (Aluminum)

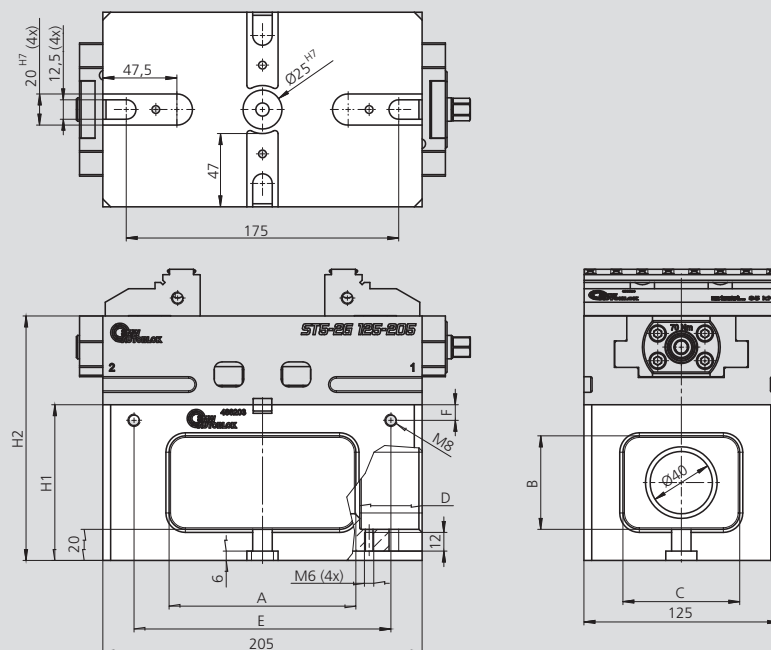


Subject to technical changes.

ST5-2G not included in scope of delivery.

Type	Id. No.	H1 [mm]	H2 [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
ST5-2G H60	466321	60	117	75	25	75	29	130	10
ST5-2G H100	466322	100	157	75	60	75	40	130	10
ST5-2G H120	466323	120	177	75	80	75	40	130	10

Mounting devices for ST5-2G 125-205 (Aluminum)

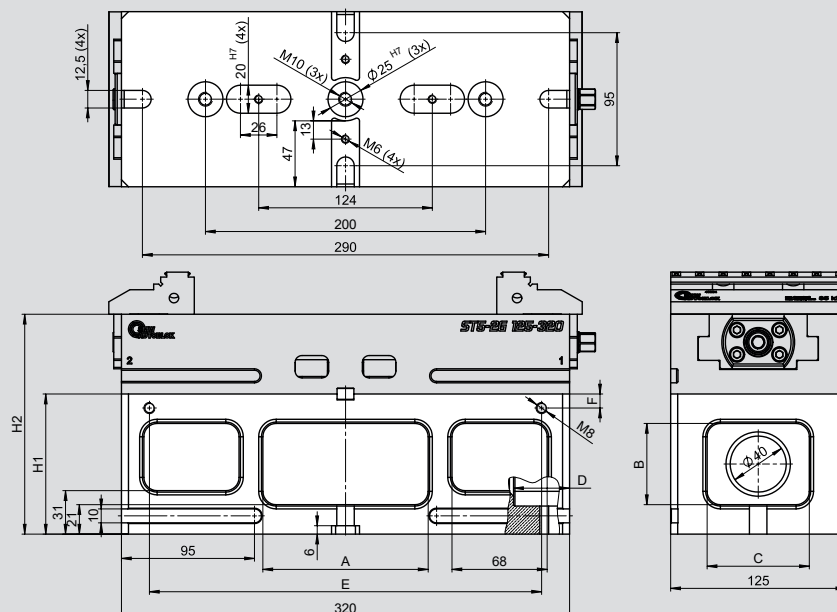


Subject to technical changes.

ST5-2G not included in scope of delivery.

Type	Id. No.	H1 [mm]	H2 [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
ST5-2G H60	466202	60	117	120	40	70	29 / 16	165	20
ST5-2G H100	466203	100	157	120	60	75	40	165	10
ST5-2G H120	466204	120	177	120	75	75	40	165	20

Mounting devices for ST5-2G 125-320 (Aluminum)



Subject to technical changes.

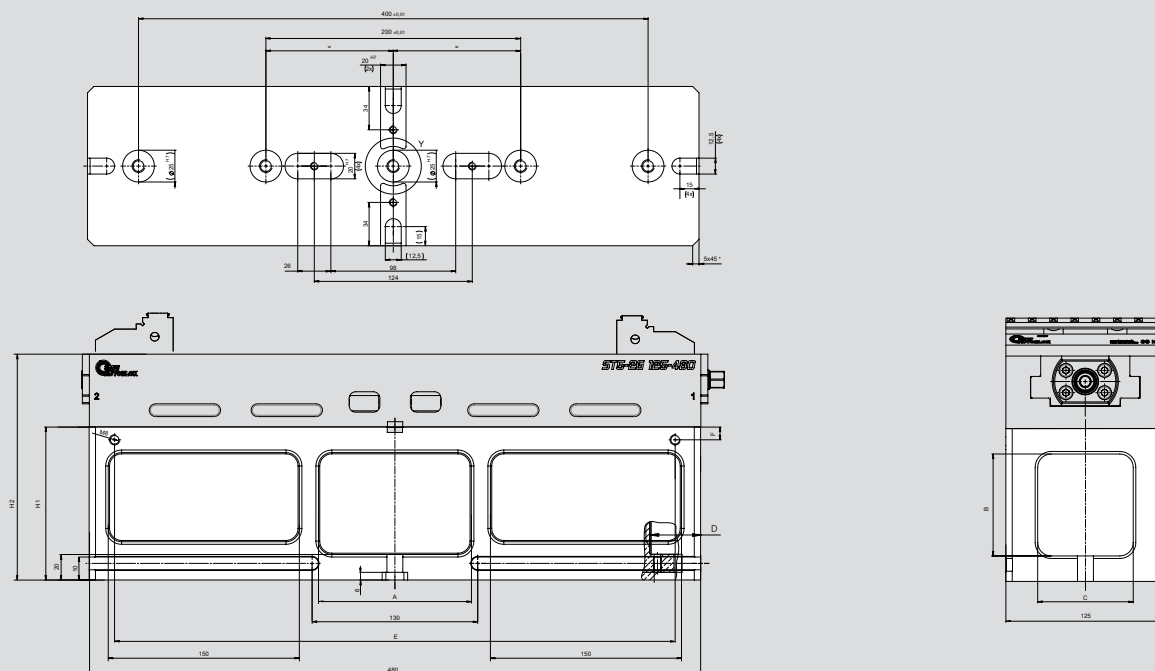
ST5-2G not included in scope of delivery.

Type	Id. No.	H1 [mm]	H2 [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
ST5-2G H60	466324	60	117	120	25	75	40	280	10
ST5-2G H100	466325	100	157	120	60	75	40	280	10
ST5-2G H120	466326	120	177	120	80	75	40	280	10

■ Mounting devices

5-axis self-centering vise

Mounting devices for ST5-2G 125-480 (Aluminum)

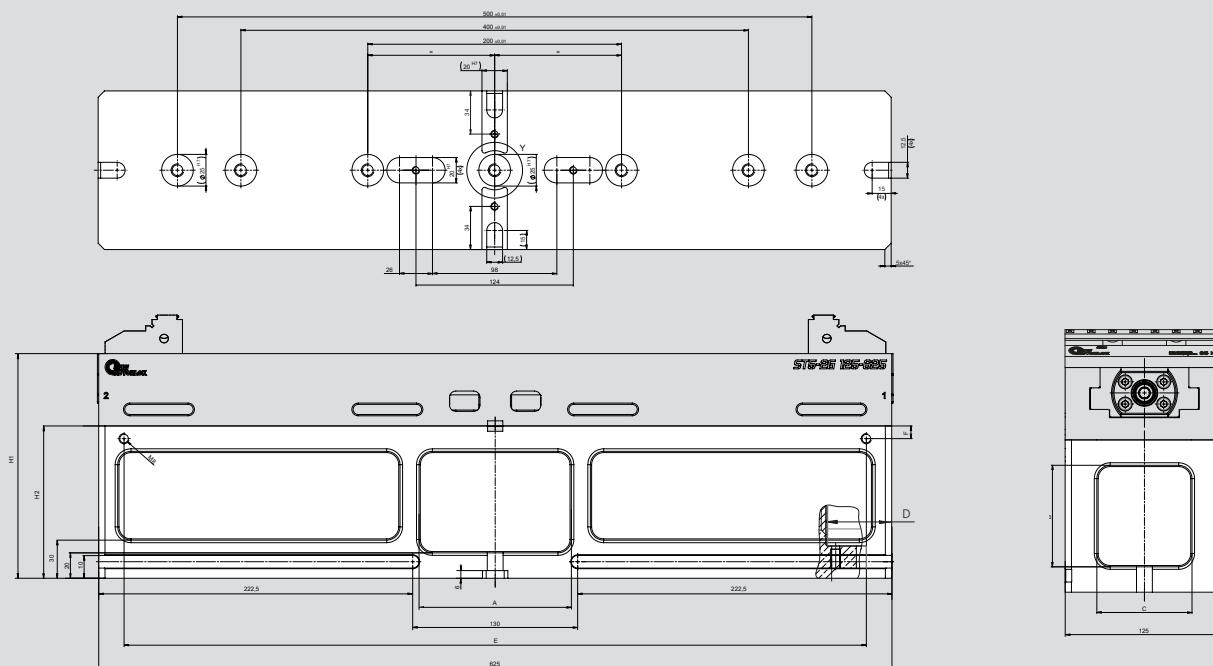


Subject to technical changes.

ST5-2G not included in scope of delivery.

Type	Id. No.	H1 [mm]	H2 [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
ST5-2G H60	466627	60	117	120	25	75	30	440	10
ST5-2G H100	466628	100	157	120	60	75	40	440	10
ST5-2G H120	466629	120	177	120	80	75	40	440	10

Mounting devices for ST5-2G 125-625 (Aluminum)



Subject to technical changes.

ST5-2G not included in scope of delivery.

Type	Id. No.	H1 [mm]	H2 [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
ST5-2G H60	466646	60	117	120	25	75	30	585	10
ST5-2G H100	466647	100	157	120	60	75	50	585	10
ST5-2G H120	466648	120	177	120	80	75	50	585	10

ST5-2G

5-Axis-centric clamping vise

Accessories

■ Pyramid for ST5-2G 80-120 / ST5-2G 125-170 / ST5-2G 125-205



Application/customer benefits

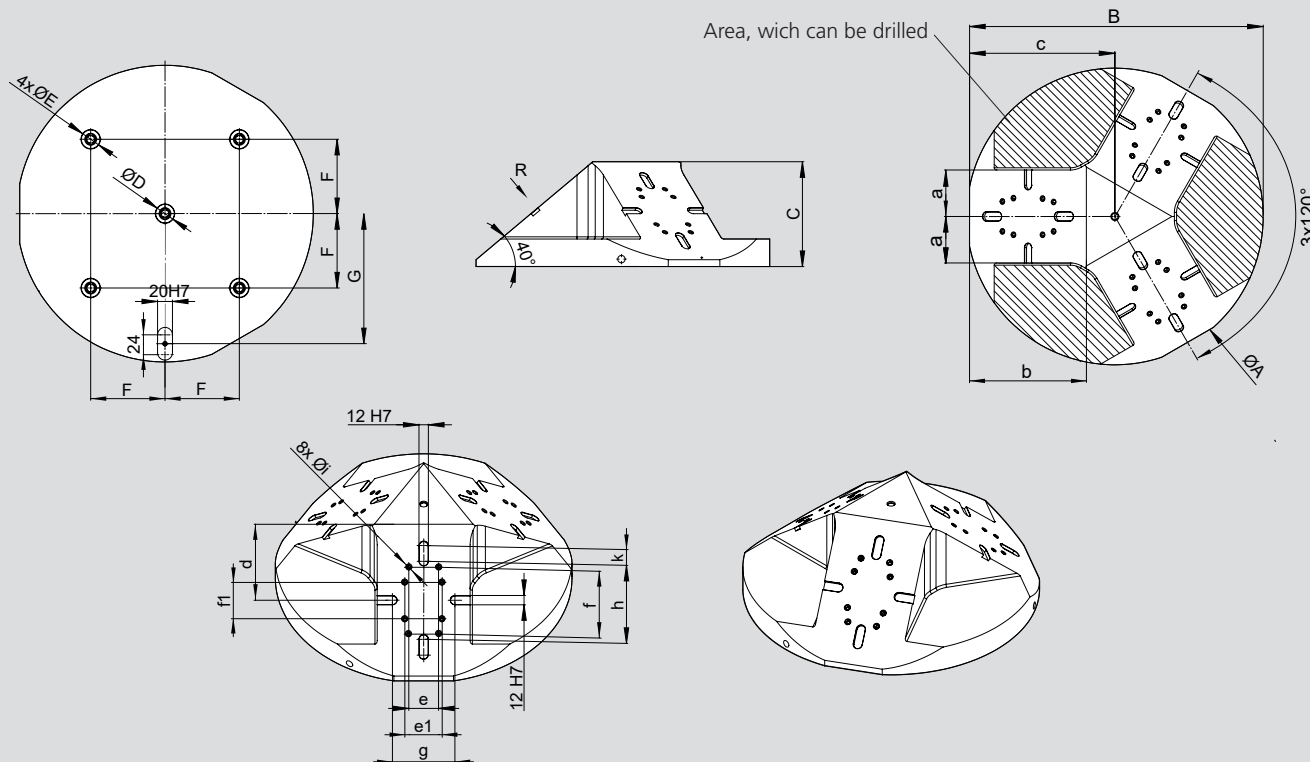
- Improved accessibility for 5-axis applications
- High strength aluminium alloy
- Surface anodized and highly compressed
- Increased efficiency due to multiple clamping
- Shorter cycle times due to reduction of tool changes per workpiece
- Pyramid for the application of SMW-Autoblok zero point clamping systems
- Optimized: Mounting holes for direct mounting on the machine table

Technical features

- Material: ALU

Standard equipment

- Pyramid without ST5 -2G



Subject to technical changes. For more detailed information please ask our customer service.

SMW-AUTOBLOK Type ST5-2G			080-120 466634	125-205 / 125-170 466632
Id. No.				
Outside diameter	A	mm	335	399
	B	mm	329,3	394,9
	C	mm	94	141
Positioning hole / depth	D	mm	25H7 / 5,5	25H7 / 5,5
Positioning hole / depth / center thread	E	mm	25H7 / 5,5 / M16 29,5	25H7 / 5,5 / M16 29,5
	F	mm	100	100
	G	mm	140	175
	a	mm	43,5	62,5
	b	mm	120	205
	c	mm	161,8	195,4
	d	mm	60	102,5
	e / e1	mm	26	40 / 50
	f / f1	mm	112	90 / 50
	g	mm	47	84
	h	mm	-	105
Thread / depth	i	mm	M6 / 12	M8 / 14
	k	mm	-	21
Weight (without ST5-2G)		kg	20,55	21,4

ST5-2G 080 overview configurations

Clamping pin kit APS 140

incl. mounting
Id. No. 460213

not illustrated:

Clamping pin kit APS 100

incl. mounting
Id. No. 460214

not illustrated:

Adaption washer 25g6

Id. No. 460139

Mounting screw set

consisting of 4 pieces mounting screws
Id. No. 466168

Anti-rotation kit APS 100

Diameter 12h6
incl. mounting
Id. No. 46162133

Set of clamps

Id. No. see table below

Anti-rotation kit APS 140

Positioning key 12h6
incl. mounting screw M5
Id. No. 466135

ST5-2G 125 overview configurations

Clamping pin kit APS 140

incl. mounting
Id. No. 460215

not illustrated:

Adaption washer 25g6

Id. No. 460139

Mounting screw set

consisting of 4 pieces mounting screws
Id. No. 466169

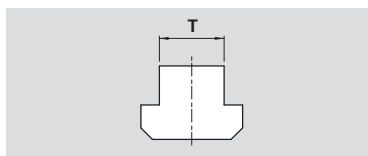
Set of clamps

Id. No. see table below

Anti-rotation kit APS 140

Positioning key 12h6
incl. mounting screw M5
Id. No. 466135

Set of clamps

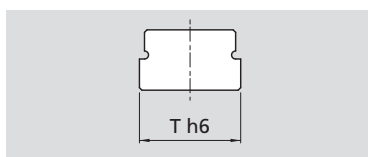
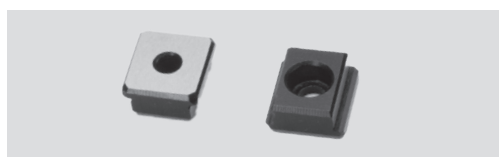


Consisting of:

1 clamp
with adjustable mounting
incl. T-nut and screw

Type	Id. No.						
T	10 mm	12 mm	14 mm	16 mm	18 mm	20 mm	22 mm
ST5-2G 080	466150	466151	466152	466153	466154	466155	-
ST5-2G 125	-	466142	466143	466144	466145	466146	466147

Pair of positioning keys (special dimensions)



Type	Id. No.						
	Th6	12 mm - h6	14 mm - h6	16 mm - h6	18 mm - h6	20 mm - h6	22 mm - h6
ST5-2G		466135	462058	462059	462060	462061	462062