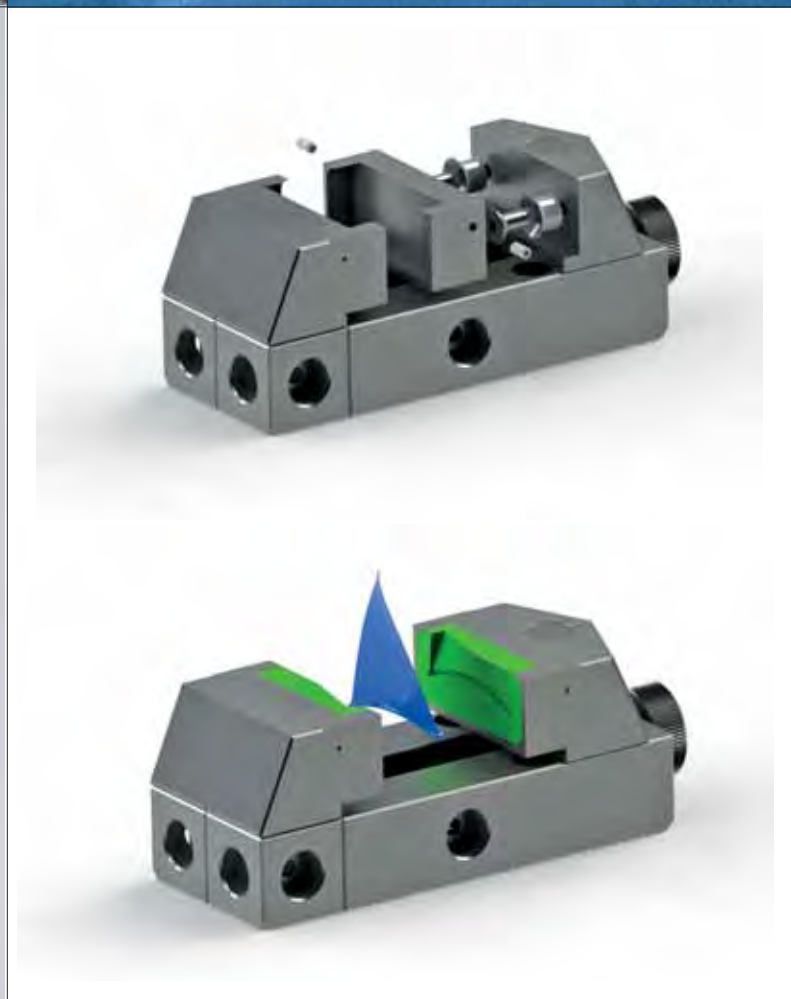
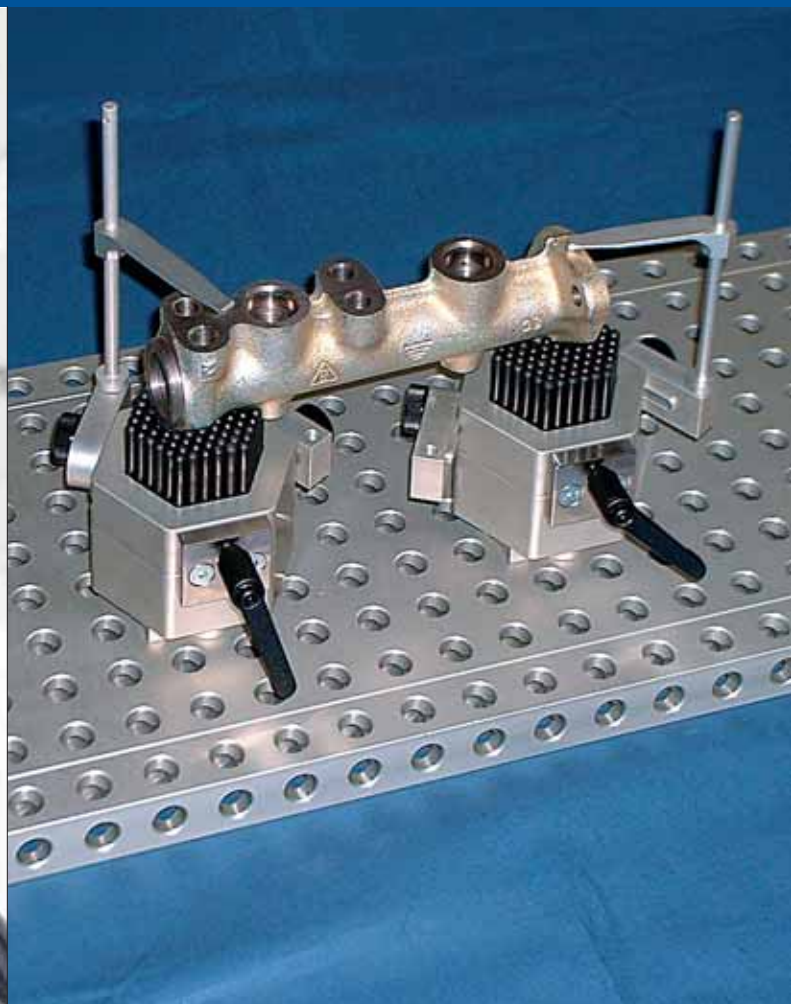
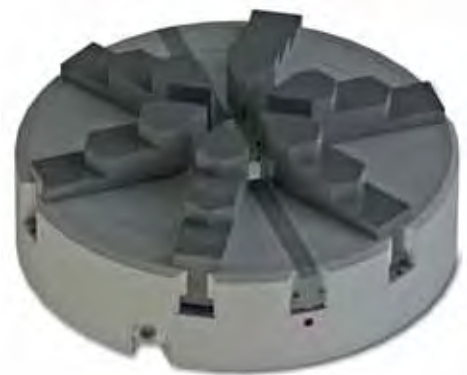
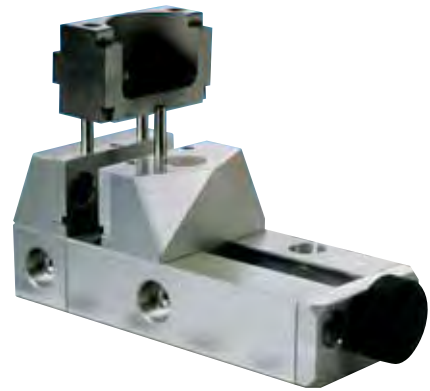
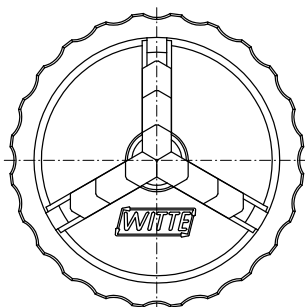
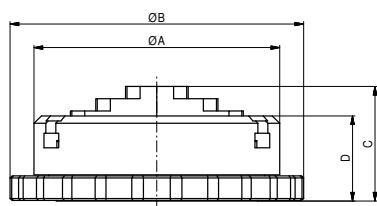




ALUFIX CLASSIC Clamping Elements

Alufix clamping elements fix workpieces to fixtures and ensure contact with support surfaces





3 Jaw Keyless Chuck

for measuring applications

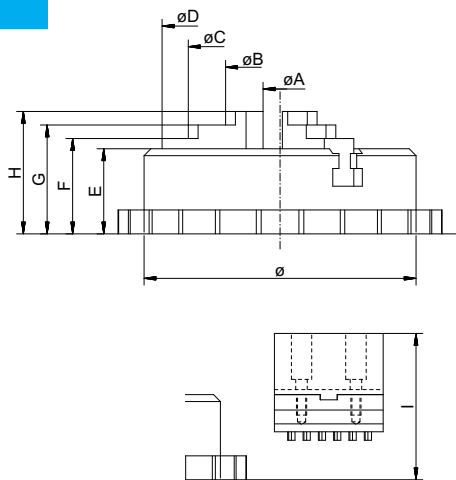
Nr.	A	B	C	D	
82220	50	60	23,4	17,3	95
82080	80	96	35	25	368
82125	125	146	53,1	38,4	1.330
82200	200	236	79,1	55,3	4.940



Further dimensions

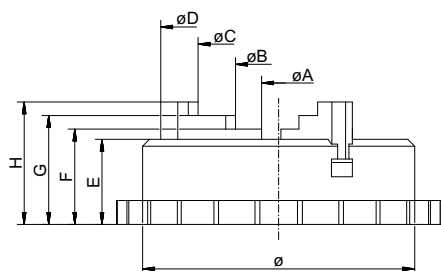
3 jaw keyless chuck

ø	A	B	C	D	E	F	G	H	I
50	1-32	15-46	29-60	41-72	17,3	18,4	21	23,4	30,3
80	1-45	23-66	45-88	65-108	25,3	27	31	35	44,8
125	1,5-68	36-100	70-134	106-170	38,4	41,3	47,1	53,1	69
200	2-110	56-164	110-218	166-274	55,3	63,1	71,1	79,1	103,3



3 jaw keyless chuck with reversed jaws

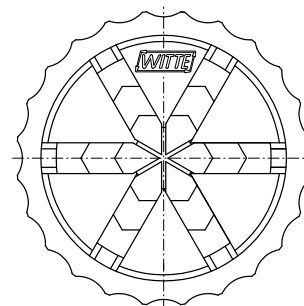
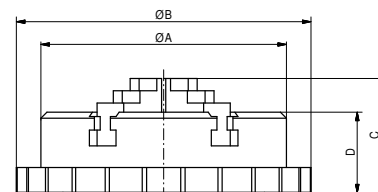
ø	A	B	C	D	E	F	G	H	I
50	1-34	13-46	27-60	41-74	17,3	18,4	21	23,4	30,3
80	1-46	21-66	43-88	65-108	25,3	27	31	35	44,8
125	1,5-72	38-108	72-142	106-176	38,4	41,1	47,1	53,1	69
200	2-116	58-172	112-226	166-280	55,3	63,1	71,1	79,1	103,3



6 Jaw Keyless Chuck

for measuring applications

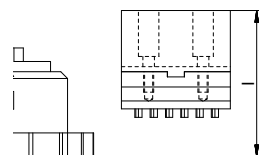
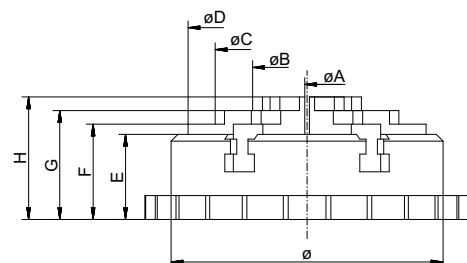
Nr.	A	B	C	D	
82340	50	60	23,4	17,3	97
82090	80	96	35	25,3	380
82135	125	146	53,1	38,4	1.385
82210	200	236	79,1	55,3	5.120



Further dimensions

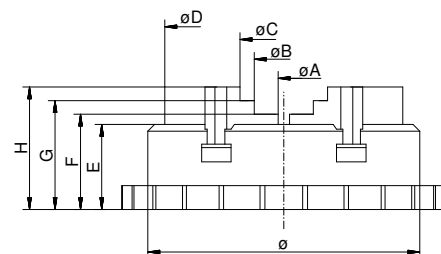
6 jaw keyless chuck

ø	A	B	C	D	E	F	G	H	I
50	1,5-29	18-45	30-57	42-69	17,3	18,4	21	23,4	30,3
80	2-44	27-69	47-89	66-108	25,3	27	31	35	44,8
125	3-71	44-112	76-144	108-176	38,4	41,1	47,1	53,1	69
200	5-113	59-167	113-221	169-277	55,3	63,1	71,1	79,1	103,3



6 jaw keyless chuck with reversed jaws

ø	A	B	C	D	E	F	G	H	I
50	10-30	22-42	34-54	50-70	17,3	18,4	21	23,4	30,3
80	18-43	36-61	56-81	81-106	25,3	27	31	35	44,8
125	27-68	59-100	91-132	131-172	38,4	41,1	47,1	53,1	69
200	43-110	99-166	153-220	207-274	55,3	63,1	71,1	79,1	103,3



ALUFIX CLASSIC elements can be anodized in different colours. The colour natural is standard, black (-1) is available as an alternative. Other colours on request.

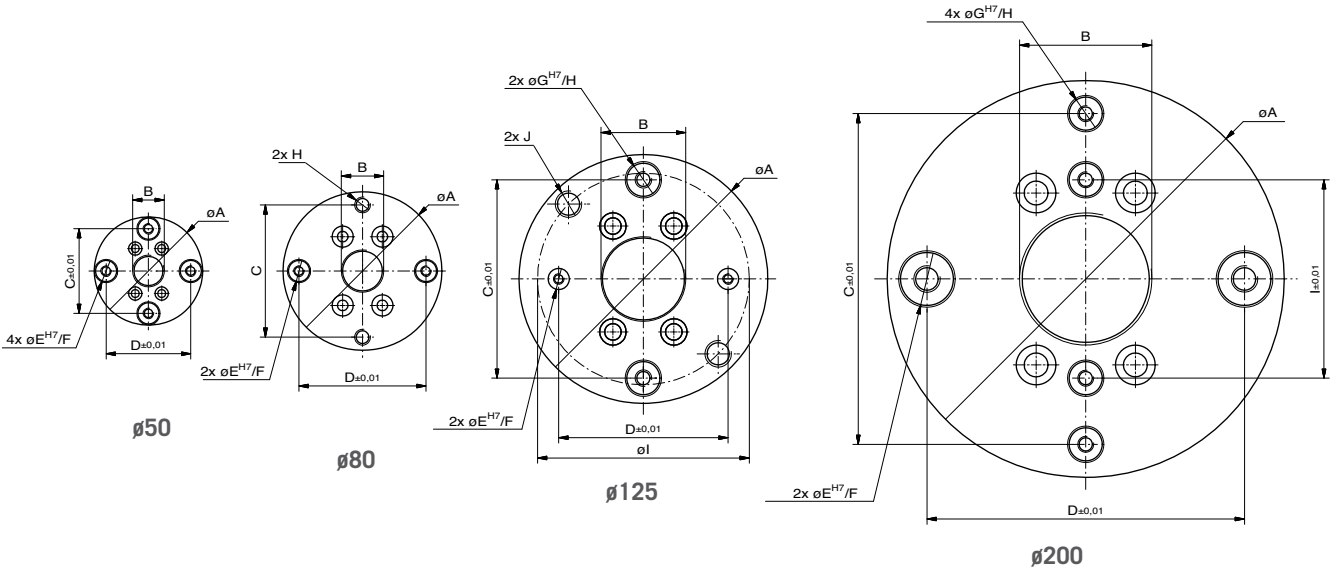
Fixing disks for mounting keyless chucks are shown on page 155. Other versions on request.

Further dimensions

3 and 6 jaw keyless chucks, view from underneath

Fixing disks for mounting keyless chucks are shown on page 157.

ø	A	B	C	D	E	F	G	H	I	J	AF
50	41	M12x0,5	32	32	8	M4	-	-	-	-	16
80	60	M 16x1	50	48	8	M4	-	M6	-	-	16/25
125	94	M32x1	75	64	8	M4	12,5	M6	80	M10	16/25/4
200	150	M50x1,5	125	120	20	M10	12,5	M6	75	-	25/40



Basic Set 3 jaw Keyless chuck

19-pcs., 1 x chuck with reversible jaws,
1 x Base jaw set, 9 x Top jaws, 6 x Screws

Nr.	Ø	comprising of:	g
82373	50	1x82220, 1x82351, 9x26288, 6x11434	138
82376	80	1x82080, 1x82356, 9x26289, 6x11435	523
82378	125	1x82125, 1x82360, 9x26290, 6x11437	1.946
82380	200	1x82200, 1x82364, 9x26291, 6x10631	7.300



Basic Set 6 jaw Keyless chuck

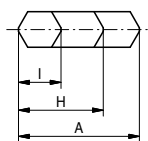
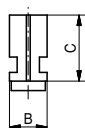
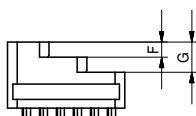
37-pcs., 1 x chuck with reversible jaws,
1 x Base jaw set, 18 x Top jaws, 12 x Screws

Nr.	Ø	comprising of:	g
82374	50	1x82340, 1x82354, 18x26288, 12x11434	173
82377	80	1x82090, 1x82358, 18x26289, 12x11435	690
82379	125	1x82135, 1x82362, 18x26290, 12x11437	2.595
82381	200	1x82210, 1x82366, 18x26291, 12x10631	9.830



ALUFIX CLASSIC elements can be anodized in different colours. The colour natural is standard, black (-1) is available as an alternative. Other colours on request.

Material: High tensile aluminium, surface base unit: Anodized CO, Surface jaws and clamp ring: Hard coated.
Keyless chucks are operated by hand without tools



Reversible jaws set

for 3 jaw chuck

Nr	A	B	C	D	E	F	G	
82350	20	5,9	10,7	-	-	2,5	5	10
82355	32	9,9	17,5	-	-	4,0	8	30
82359	52	15,9	27,1	-	-	6,0	12	120
82363	82	24,9	44,1	-	-	8,0	16	370

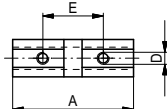
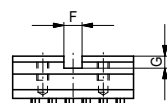


Also fit in 6 jaw chucks

Base jaws set

for 3 jaw chuck

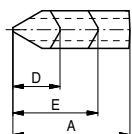
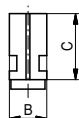
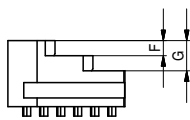
Nr	A	B	C	D	E	F	G	
82351	20	5,9	6,6	M2	10	3	2	10
82356	32	9,9	10,9	M3	16	5	3	20
82360	52	15,9	17,5	M5	24	8	5	160
82364	82	24,9	28,5	M8	40	12	8	380



Reversible jaws set

for 6 jaw chuck

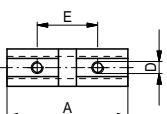
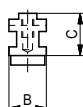
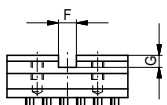
Nr	A	B	C	D	E	F	G	
82353	20	5,9	10,7	8	14	2,5	5	20
82357	32	9,9	17,5	12,5	22,5	4	8	60
82361	52	15,9	27,1	20	36	6	12	240
82365	82	24,9	44	27	54	8	16	1.000



Base jaws set

for 6 jaw chuck

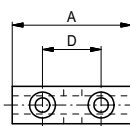
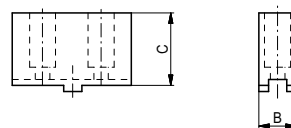
Nr	A	B	C	D	E	F	G	
82354	20	5,9	6,6	M2	10	3	2	18
82358	32	9,9	10,9	M3	16	5	3	50
82362	52	15,9	17,5	M5	24	8	5	190
82366	82	24,9	27,5	M8	40	12	8	750



Top jaws single

for 3 and 6 jaw keyless chucks

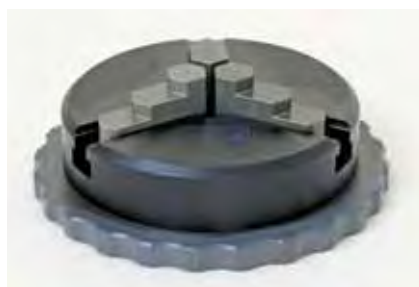
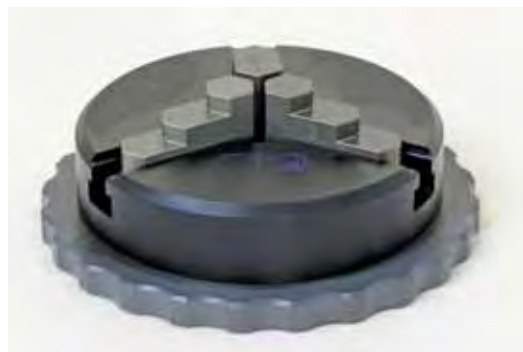
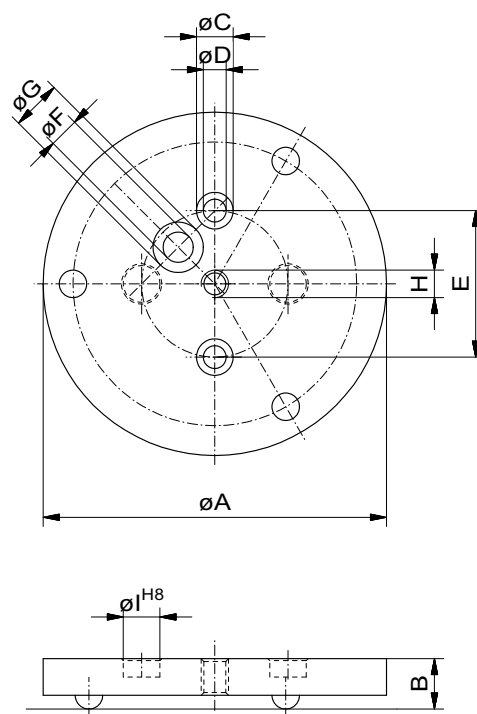
Nr	A	B	C	D	Material	
26288	20	5,9	12	10	EN AW-7075	3
26288-10	20	5,9	12	10	POM	2
26289	32	9,9	18	16	EN AW-7075	13
26289-10	32	9,9	18	16	POM	10
26290	52	15,9	28	24	EN AW-7075	50
26290-10	52	15,9	28	24	POM	43
26291	82	24,9	44	40	EN AW-7075	150
26291-10	82	24,9	44	40	POM	139



Center plate

for 3 and 6 jaw keyless chucks

Nr	A	B	C	D	E	F	G	H	I	
82371	75	11	8	5	32	6,6	11	M6	8	100
82159	120	13	11	6,6	50	-	-	-	8	317
82344	187	18	11	6,6	75	-	-	-	8	493
82345	300	28	18	11	120	-	-	-	12,5	528

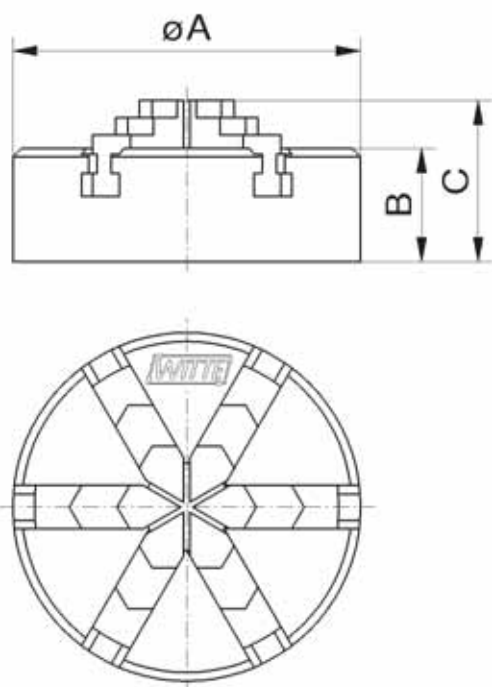


Special version hardslide coated
3 jaw keyless chuck



ALUFIX CLASSIC elements can be anodized in different colours. The colour natural is standard, black (-1) is available as an alternative. Other colours on request.

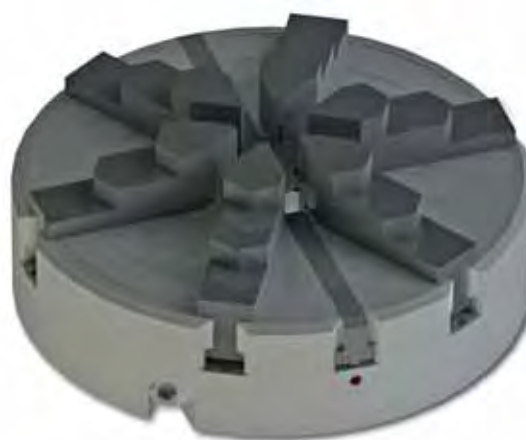
Other dimensions on request



Keyless chuck

for 2,3,4,6 jaws $\varnothing 125$ anodized natural

Nr.	A	B	C	
285291	125	33	50	1300



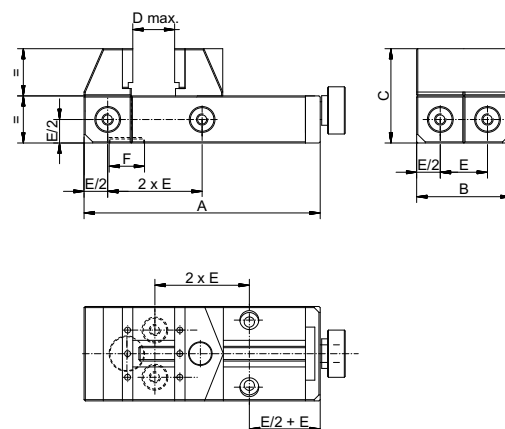
6 stepped standard jaws are included in supply. Base and special jaws are available on request.

Base same as chuck $\varnothing 125$: 82125, 82135. Compatible with centering plate 82344

Parallel-vise

without pins

Nr	E (AF)	A	B	C	D	E	F	H	
81784	16	80	32	32	40	16	M12x0,5	14	135
81785	25	125	50	50	65	25	M24x1	14	750
81786	25	150	75	50	90	25	M24x1	15	905
81787	25	175	100	50	115	25	M24x1	15	1.410
81788	40	320	120	80	225	40	M32x1	17	4.620
81789	40	360	160	80	265	40	M32x1	17	6.150



Vise set

10-pcs., comprising of

Nr.	System	Vise	Flat jaw	Pins	V-jaw	V-jaw
		1x	Alu 2x	3x	small 2x	big 2x
81790	AF 16	81784	24580	24604	24586	24598
81791	AF 25	81785	24581	24605	24587	24599
81792	AF 25	81786	24582	24605	24588	24600
81793	AF 25	81787	24583	24605	24589	24601
81794	AF 40	81788	24584	24606	24590	24602
81795	AF 40	81789	24585	24606	24591	24603

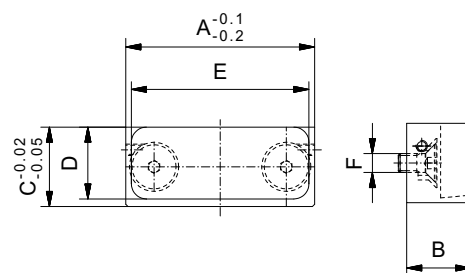
Jaws also available per piece
Flat and V jaws are also available in polymer (POM black)



Forming jaw

with bushes, for compound resin

Nr	System	A	B	C	D	E	F	
81831	AF 16	32	10	13,5	12	29	M3	10
81832	AF 25	50	17	21	19	47	M5	30
81833	AF 25	75	17	21	18,5	71	M5	40
81834	AF 25	100	17	21	18,5	96	M5	60
81835	AF 40	120	34	33,5	30	112	M8	170
81836	AF 40	160	34	33,5	30	152	M8	226



Supply includes:
1 forming jaw,
2 bushes,
2 Threaded pins,
2 countersunk screws



Compound resin

Nr.	contents g	
80692	100	120
80685	400	460

Technical details:

Tensile strength 300kg/cm²

Compression strength: 800kg/cm²

Heat resistance upto +200°C



Application example for compound resin in standard moulding cap

Plasticine compound resin

Knead blue and yellow components in ratio 1:1, blend well until colour throughout is green.

Apply within 15 minutes.

The resin hardens to full strength within 3 hours.

Attaching the forming jaws with plasticine compound:

Positioning of workpiece:

The forming jaws with the compound resin are pressed together.

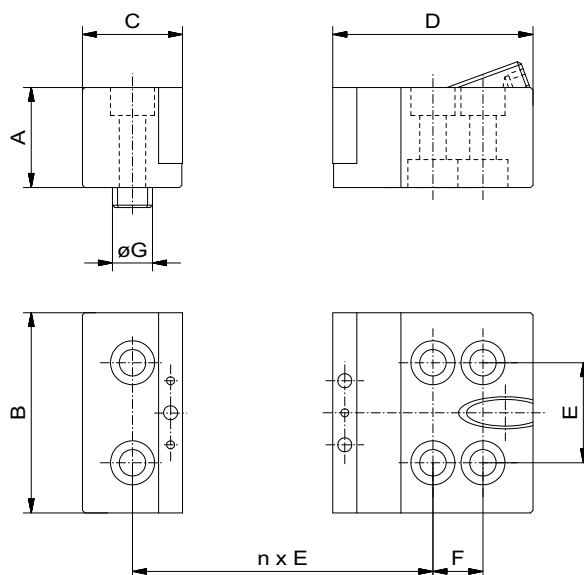
The compound resin adjusts to the contours of the workpiece



Universal Vise

2 pcs., without basic unit for mounting on base plates or grid base plates, Shift $\pm 12,5$ mm

Nr.	System	A	B	C	D	E	F	G	
93498	AF25	25	50	25	40	25	12,5	10	296

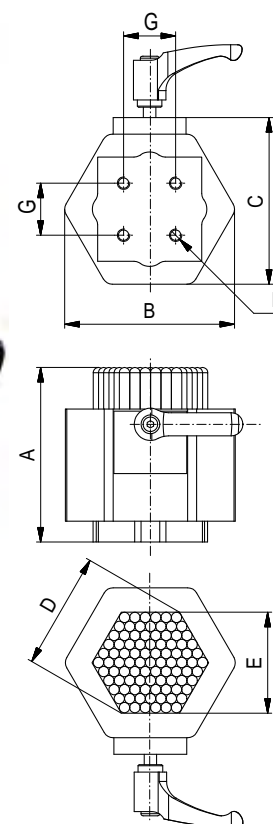


ALUFIX CLASSIC elements can be anodized in different colours. The colour natural is standard, black (-1) is available as an alternative. Other colours on request.

Pin cushion

with rubberized pins

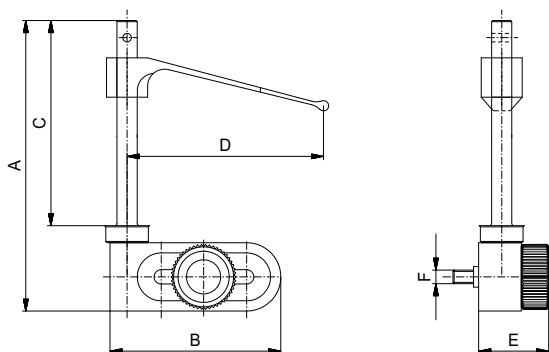
Nr	A	B	C	D	E	F	G	
91940	84	81,5	80	55	48,5	6	25	1.400
98101	84	52	55	35	31	6	25	1.100



Hold-down column clamp

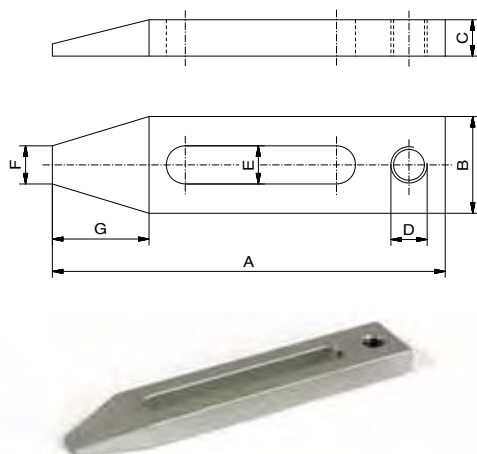
for pin cushion, in set (2 pieces)
with hold down columns and springs

Nr	A	B	C	D	E	F	
91941	85	50	60	57,5	20,5	M4	80



Easy to move pins adjust to shape of workpiece. Then by using a locking device the resulting imprint is secured into place. This enables repeatable clamping of workpieces, that can be secured with hold down springs and studs.

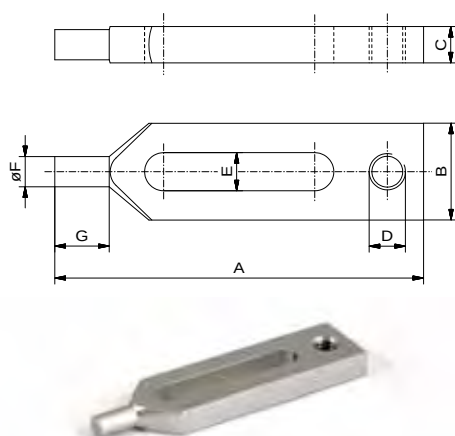




Clamp

tapered

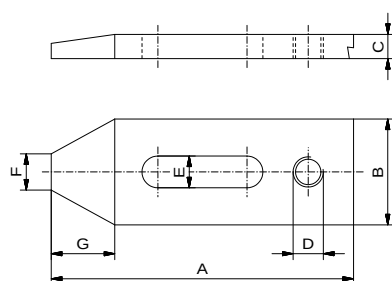
Nr	A	B	C	D	E	F	G	
22788	36	13	5	M5	5,3	5,3	13	5
22789	52	13	5	M5	5,3	5,3	13	7
22790	68	13	5	M5	5,3	5,3	13	8
22791	52	13	5	M5	5,3	1,5	20	6
22783	45	16	6	M6	6,3	6,3	16	12
22784	65	16	6	M6	6,3	6,3	16	18
22785	85	16	6	M6	6,3	6,3	16	23
22786	65	16	6	M6	5,3	2,0	24	11



Clamp

round nosed

Nr	A	B	C	D	E	F	G	
22792	52	13	5	M5	5,3	4	7	6
22787	65	16	6	M6	6,3	5	9	11



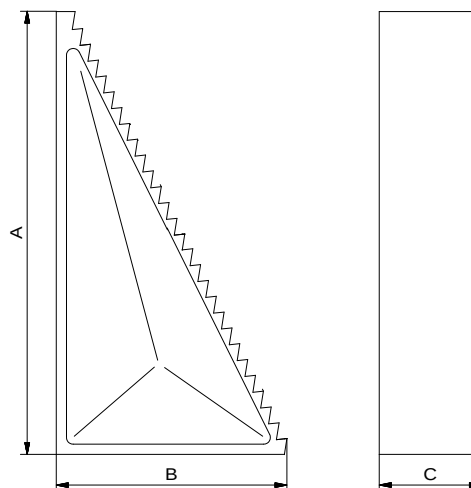
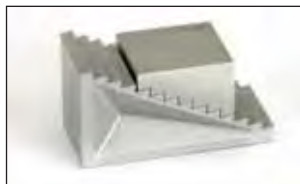
Clamp

stepped

Nr	A	B	C	D	E	
21731	100	30	8	M6	6,5	54
21732	150	30	12	M6	6,5	118
21733	200	30	15	M6	6,5	198
21734	100	30	8	M8	8,5	52
21735	150	30	12	M8	8,5	112
21736	200	30	15	M8	8,5	188
21787	100	35	8	M10	10,5	60
21788	150	35	12	M10	10,5	134
21789	200	35	15	M10	10,5	222
21790	100	35	8	M12	12,5	58
21791	150	35	12	M12	12,5	128
21792	200	35	15	M12	12,5	212

Step support

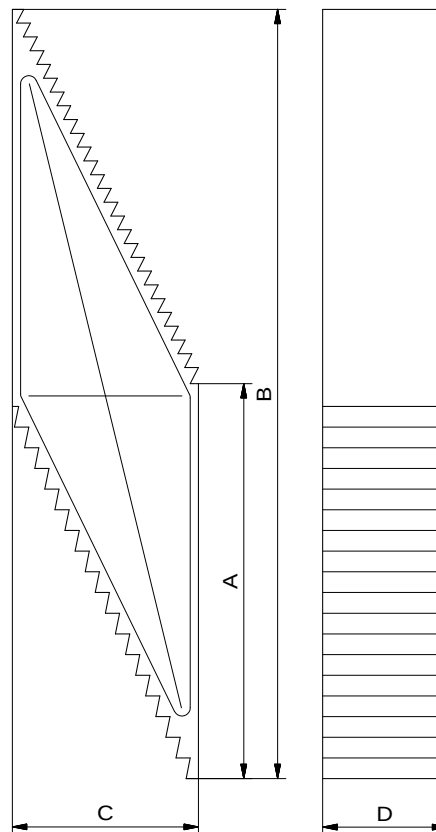
Nr.	A	B	C	Zusatz	
20138	32,5	20	30	Treppe 32	70
20139	65	36	30	Treppe 66	180
20140	130,5	68	30	Treppe 131	580



Extension

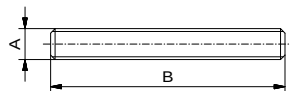
for step support

Nr.	A	B	C	D	
21774	95,5	186	45	30	300



 **ALUFIX CLASSIC** elements can be anodized in different colours. The colour natural is standard, black (-1) is available as an alternative. Other colours on request.

 Other dimensions on request



Threaded rod

M5, M6, M8, M10, M12

Nr.	A	B	g
22777	M5	20	1
22778	M5	40	2
22779	M5	60	3
22780	M5	80	4
22781	M5	100	4
22782	M5	120	5

Nr.	A	B	g
21719	M6	25	2
21720	M6	50	3
21721	M6	75	5
21722	M6	100	6
21723	M6	125	8
21724	M6	150	9

Nr.	A	B	g
21725	M8	25	2
21726	M8	50	6
21727	M8	75	8
21728	M8	100	10
21729	M8	125	14
21730	M8	150	16

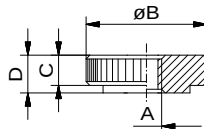
Nr.	A	B	g
21775	M10	25	4
21776	M10	50	8
21777	M10	75	12
21778	M10	100	18
21779	M10	125	22
21780	M10	150	26

Nr.	A	B	g
21781	M12	25	6
21782	M12	50	12
21783	M12	75	18
21784	M12	100	24
21785	M12	125	32
21786	M12	150	38



Knurled nut

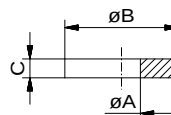
Nr.	A	B	C	g
22775	M5	13	6	2
22774	M6	16	6	4
21841	M6	32	8	18
21842	M8	32	8	18
21843	M10	42	10	38
21844	M12	42	10	38



Washer

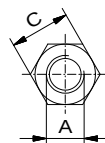
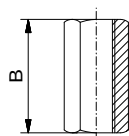
hard anodized

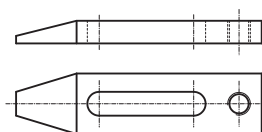
Nr.	A	B	C	g
22773	5,3	12	2,3	3
22772	6,3	15	2,7	3
21286	6,4	17	3	2
21287	8,4	23	4	4
21288	10,5	28	4	6
21289	13,0	35	5	12



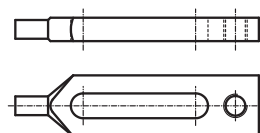
Coupling nut

Nr.	A	B	C	g
22776	M5	15	SW 8	2
21747	M6	18	SW 10	4
21748	M8	24	SW 13	6
21793	M10	30	SW 17	14
21794	M12	36	SW 19	21





1 2 3 4

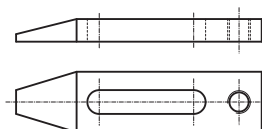


5

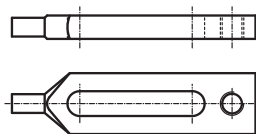
#81030 Clamp Set

M5, (69-pcs), 200 x 180 x 30 mm, 515 g

Nr.	St.	Name	Dim.	
22788	4	1 Clamp	M5, 36 x 15 x 5	5
22789	4	2 Clamp	M5, 52 x 13 x 5	7
22790	4	3 Clamp	M5, 68 x 13 x 5	8
22791	4	4 Clamp, pointed	M5, 52 x 13 x 5	6
22792	4	5 Clamp, round	M5, 52 x 13 x 5	6
22777	4	Threaded rod	M5 x 20	1
22778	4	Threaded rod	M5 x 40	2
22779	4	Threaded rod	M5 x 60	3
22780	4	Threaded rod	M5 x 80	4
22781	4	Threaded rod	M5 x 100	4
22782	4	Threaded rod	M5 x 120	5
22773	10	Washer	ø 5,2	3
22776	4	Coupling nut	M5 x 15	2
22775	10	Knured nut	ø 13 x M5	2
22793	1	Tray	200 x 180 x 30	250



1 2 3 4



5

#81020 Clamp Set

M6, (69-pcs), 200 x 180 x 30 mm, 685 g

Nr.	St.	Name	Dim.	
22783	4	1 Clamp	M6S, 45 x 16 x 6	12
22784	4	2 Clamp	M6S, 65 x 16 x 6	18
22785	4	3 Clamp	M6S, 85 x 16 x 6	23
22786	4	4 Clamp, pointed	M6S, 65 x 16 x 6	11
22787	4	5 Clamp, round	M6S, 65 x 16 x 6	11
21719	4	Threaded rod	M6 x 25	2
21720	4	Threaded rod	M6 x 50	3
21721	4	Threaded rod	M6 x 75	5
21722	4	Threaded rod	M6 x 100	6
21723	4	Threaded rod	M6 x 125	8
21724	4	Threaded rod	M6 x 150	9
22772	10	Washer	ø 6,4	3
21747	4	Coupling nut	M6 x 18	4
22774	10	Knurled nut	ø 16,7 x M6S	4
22793	1	Tray	200 x 180 x 30	250



Clamp Sets

75-pcs

Clampp Set		10	11	12	13	
Size		M6	M8	M10	M12	
#		80634	80635	80636	80637	
Name	St.	Nr.	Nr.	Nr.	Nr.	Dim
① Setting up blocks, pair	2	80036	80036	80036	80036	22-51
② Setting up blocks, pair	2	80037	80037	80037	80037	39-107
③ Setting up blocks, pair	1	80038	80038	80038	80038	72-208
④ Extension	4	21774	21774	21774	21774	100
⑤ Step heel clamp	4	21731	21734	21787	21790	100
Step heel clamp	4	21732	21735	21788	21791	150
Step heel clamp	4	21733	21736	21789	21792	200
Knurled nut	4	21841				M6 ø 32x8
			21842			M8 ø 32x8
				21843		M10 ø 42x10
					21844	M12 ø 42x10
Coupling nut	10	21747				M6 18
			21748			M8 24
				21793		M10 30
					21794	M12 36
Washer	10	21286	21287	21288	21289	M6/M8/M10/M12
Threaded rod	4	21719	21725	21775	21781	25
Threaded rod	4	21720	21726	21776	21782	50
Threaded rod	4	21721	21727	21777	21783	75
Threaded rod	4	21722	21728	21778	21784	100
Threaded rod	4	21723	21729	21779	21785	125
Threaded rod	4	21724	21730	21780	21786	150
Tray	1	21797	21797	21797	21797	80x360x450
Weight in g		2.500	2.675	2.950	5.650	



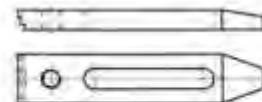
①



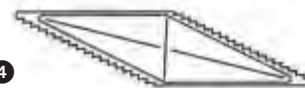
②



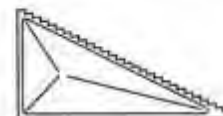
⑤



④



③



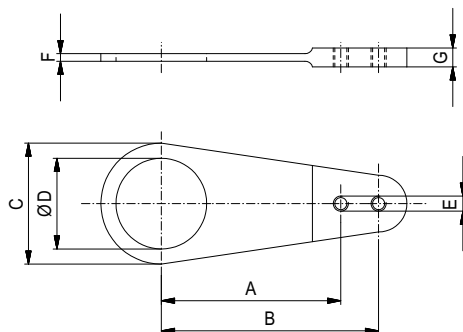
ALUFIX CLASSIC elements can be anodized in different colours. The colour natural is standard, black (-1) is available as an alternative. Other colours on request.



Other dimensions on request
Clamps are also available in polymer (POM, black)

Traverse holder with heel

for hold-down stud

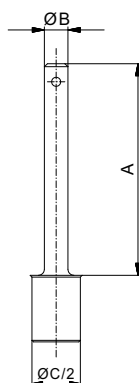


Nr.	A	B	C	D	E	F	G	
22267	47,5	57,5	32	24	M4	2	5	11
22268	47,5	57,5	32	24	M6	2	5	11



Hold down stud

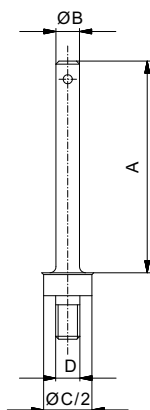
self locking



Nr.	A	B	C	
20338	35	3,9	16	3
22259	55	5,9	16	5
22260	60	5,9	25	9

Hold down stud

with thread

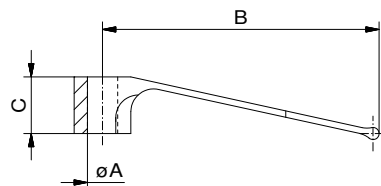


Nr.	A	B	C	D	
20339	35	3,9	16	M4	3
22262	55	5,9	16	M4	5
22263	60	5,9	25	M6	8
24885	125	5,9	25	M6	15
20100	130	9,8	40	M10	38
30126	120	11,9	50	M12	56

Hold down spring

self locking on hold down stud

Nr.	System	A	B	C	
20244	AF 16	4	36	7,5	1
20290	AF 25/16	6	36	7,5	1
22258	AF 25/16	6	59	11,5	6
24499	AF 25	6	105	11,5	30
22355	AF 40	10	94	19,2	60
28058	AF 50	12	118	23	50



Hold down spring, plastic

Nr.	System	Ø	l	
53976	AF 25/16	6	63,5	4
53977	AF 25/16	6	109,5	6

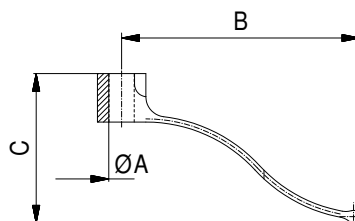
Further versions in NewXS catalogue



Hold down spring

for low clamping

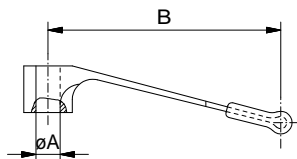
Nr.	System	A	B	C	
34634	AF 16	4	36,5	23,5	2
34764	AF 16	6	36,5	23,5	1
34765	AF 25	6	59	37	3
34766	AF 40	10	94,5	59,5	27
34767	AF 50	12	118	74	50



Hold down spring with plastic cap

silicone free for sensitive surfaces

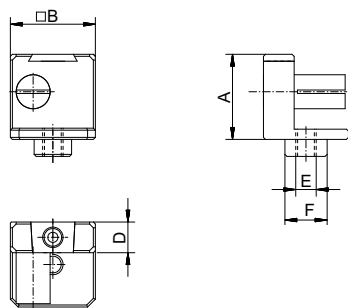
Nr.	System	A	B	
93442	AF 25/16	6	103,5	9
93443	AF 25/16	6	57,5	6



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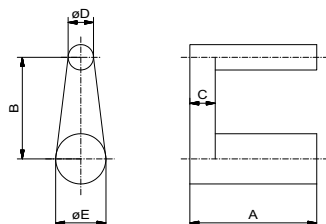


Other versions on request



Winder

Nr.	System	A	B	AF	D	E	F	
80742	AF 16	16	16	16	6	M4	8	11
80743	AF 25	25	25	25	9	M6	12,5	34
80744	AF 40	40	40	40	14	M8	20	169



Deflector

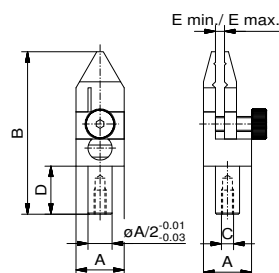
Nr.	System	A	B	C	D	E	
22274	AF 16	19	16	3	4	7,9	4
22275	AF 25	31	25	6	6	12,4	16
22276	AF 40	50	40	10	10	19,8	66



Winder tape

in plastic, 12mm wide

Nr.	System	length (m)
00041	AF 16/25/40	5

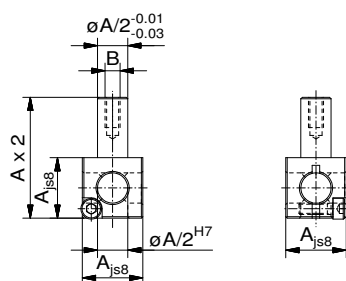


Parallel clamp

with exchangeable jaws

Nr.	A	B	C	D	E min.	E max.	
284476	16	54	M4	16	0	8	20
284134	25	65	M6	5	0	12,5	-

Other versions of exchangeable jaws available on request



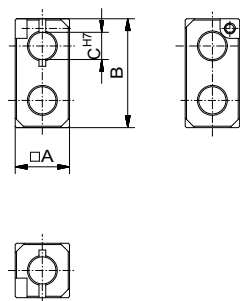
Clampholder

with studs

Nr.	A	B	
285043	16	M4	8
	25	M6	-

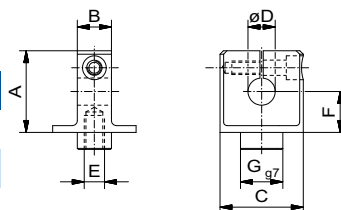
Dial indicator holder

Nr.	System	A	B	C	
80128	AF 16	16	32	8	14



Dial indicator holder

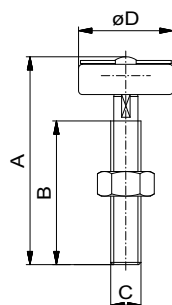
Nr.	System	A	B	C	D	E	F	G	
80755	AF 25	24	10	24,5	8	6	12	12,5	10
80756	AF 40	24	11,9	39,5	8	8	12	20	77



Ball point

without/with ring magnet

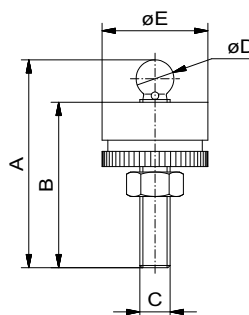
Nr.	A	B	C	D	
93518	55	38	M8x1	-	20
92999	55	38	M8x1	25	101



Ball point support

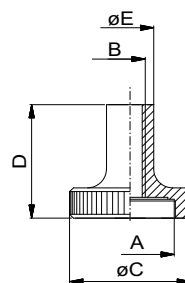
with adjustable magnetic force

Nr.	A	B	C	D	E	
97844	55	44	M8x1	10	28	150



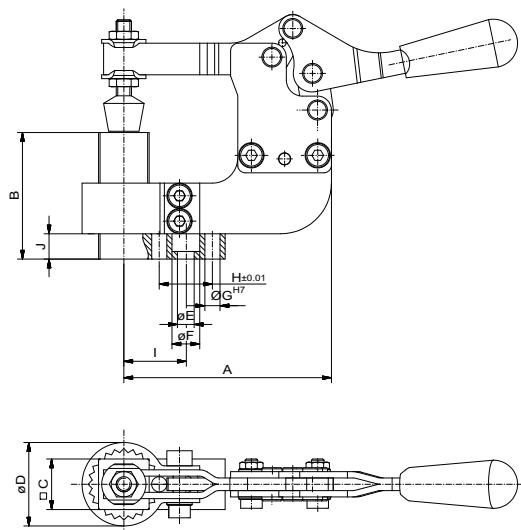
Support for ball point

Nr.	A	B	C	D	E	
55032	M24x1	M8x1	32	30	12,5	76



ALUFIX CLASSIC elements can be anodized in different colours. The colour natural is standard, black (-1) is available as an alternative. Other colours on request.

Other versions on request



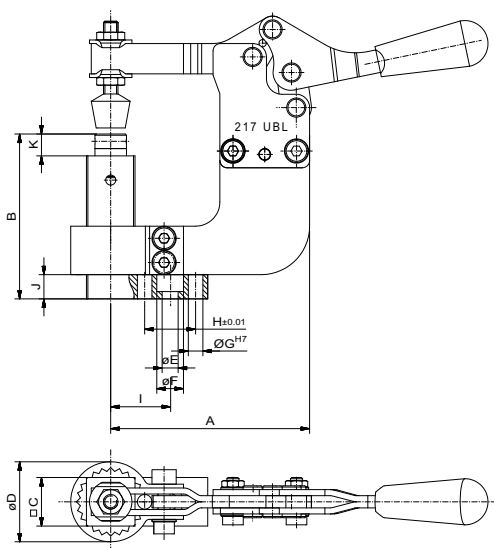
Clamp unit with ratchet grip

spacing 15°, for toggle clamp, with surface contact

Nr.	A	B	C	D	E	F	G	H	I	J	pressure fork #	g
282000	87	50	20	33	6,6	11	6	21	24,7	10	./.	200
282001	87	50	20	33	6,6	11	6	21	24,7	10	./.	200
282003	112	70	20	33	6,6	11	6	21	24,7	10	./.	220
282004	87	70	20	33	6,6	11	6	21	24,7	10	./.	220
282005	112	70	20	33	6,6	11	6	21	24,7	10	357582	240
282006	112	50	20	33	6,6	11	6	21	24,7	10	357582	240
282007	112	70	20	33	6,6	11	6	21	24,7	10	357578	250
282008	112	50	20	33	6,6	11	6	21	24,7	10	357578	250

spacing 15°, for toggle clamp 227 UBL, with surface contact $\nabla 25$

284832	70	60	25	41	9	15	8	26	30,5	15	./.	350
284834	70	100	25	41	9	15	8	26	30,5	15	./.	360
284833	130	60	25	41	9	15	8	26	30,5	15	./.	400
284835	130	100	25	41	9	15	8	26	30,5	15	./.	420
284829	100	80	25	41	9	15	8	26	30,5	15	357407	420
284831	100	100	25	41	9	15	8	26	30,5	15	357407	440
284828	100	80	25	41	9	15	8	26	30,5	15	321687	480
284830	100	100	25	41	9	15	8	26	30,5	15	321687	500



Clamp unit with ratchet grip

spacing 15°, for toggle clamp, with datum point

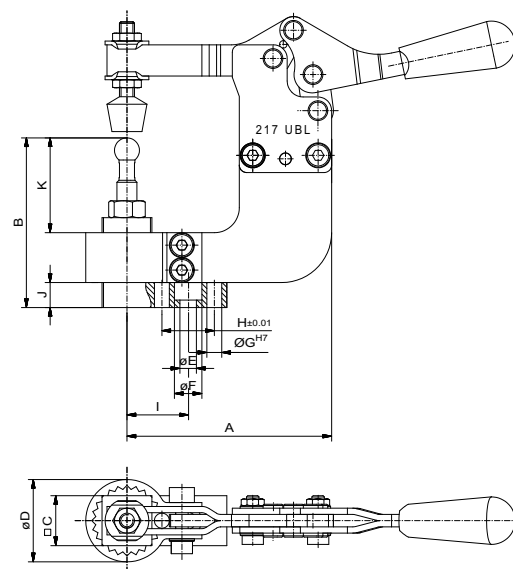
Nr.	A	B	C	D	E	F	G	H	I	J	K	pressure fork #	g
282013	82	59	20	33	6,6	11	6	21	24,7	10	9	./.	200
282014	82	79	20	33	6,6	11	6	21	24,7	10	9	./.	200
282015	112	79	20	33	6,6	11	6	21	24,7	10	9	./.	220
282016	82	79	20	33	6,6	11	6	21	24,7	10	9	./.	220
282009	112	68	20	33	6,6	11	6	21	24,7	10	9	357582	240
282010	112	88	20	33	6,6	11	6	21	24,7	10	9	357582	240
282011	122	88	20	33	6,6	11	6	21	24,7	10	9	357578	250
282012	112	68	20	33	6,6	11	6	21	24,7	10	9	357578	250



Clamp unit with ratchet grip

spacing 15°, for toggle clamp, with ball, height adjustable, ball ø10/M8x1

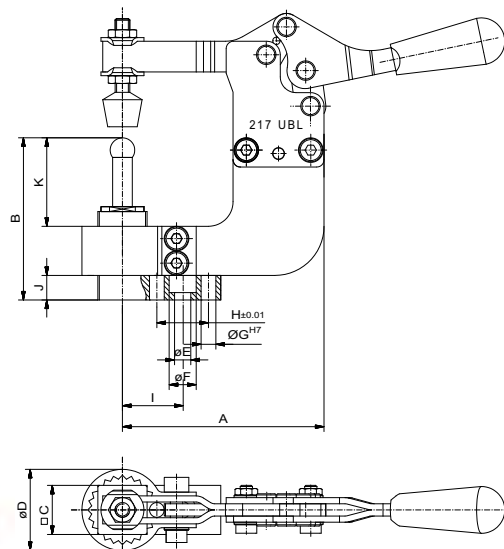
Nr.	A	B	C	D	E	F	G	H	I	J	K	pressure fork	g
282017	82	68	20	33	6,6	11	6	21	24,7	10	38	./.	200
282018	82	68	20	33	6,6	11	6	21	24,7	10	38	./.	200
282019	82	88	20	33	6,6	11	6	21	24,7	10	38	./.	220
282020	112	88	20	33	6,6	11	6	21	24,7	10	38	./.	220
282021	112	36	20	33	6,6	11	6	21	24,7	10	32	357582	240
282022	112	56	20	33	6,6	11	6	21	24,7	10	32	357582	240
282023	112	36	20	33	6,6	11	6	21	24,7	10	32	357578	250
282024	112	56	20	33	6,6	11	6	21	24,7	10	32	357578	250



Clamp unit with ratchet grip

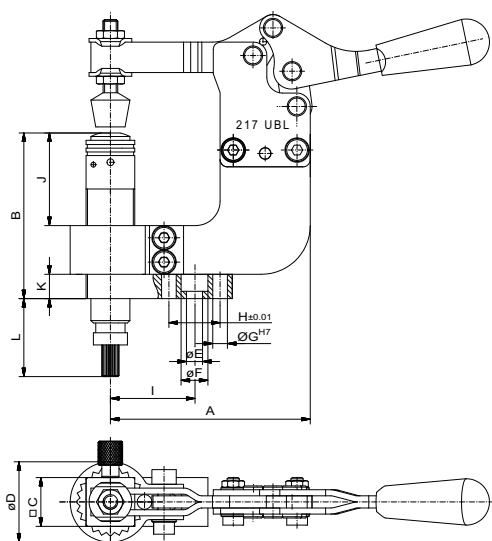
spacing 15°, for toggle clamp, with ball ø10, bore AF25

Nr.	A	B	C	D	E	F	G	H	I	J	K	pressure fork	g
282025	82	66	20	33	6,6	11	6	21	24,7	10	36	./.	200
282026	82	66	20	33	6,6	11	6	21	24,7	10	36	./.	200
282027	82	86	20	33	6,6	11	6	21	24,7	10	36	./.	220
282028	112	86	20	33	6,6	11	6	21	24,7	10	36	./.	220
282029	112	38	20	33	6,6	11	6	21	24,7	10	30	357582	240
282030	112	58	20	33	6,6	11	6	21	24,7	10	30	357582	240
282031	112	38	20	33	6,6	11	6	21	24,7	10	30	357578	250
282032	112	58	20	33	6,6	11	6	21	24,7	10	30	357578	250



ALUFIX ratchet clamps can be anodized in different colours. The colour natural is standard, black (-1) is available as an alternative. Other colours on request.

Toggle clamps included in supply are available in silver or black.



Clamp unit with ratchet grip

spacing 15°, for toggle clamp, with meisterbock screw

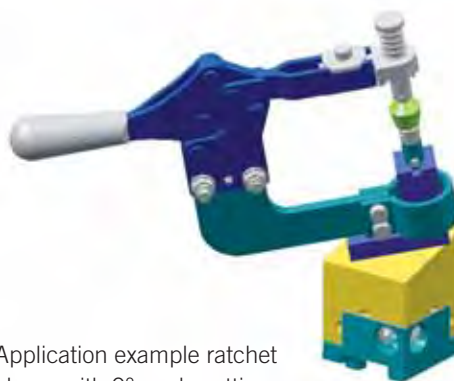
Nr.	A	B	C	D	E	F	G	H	I	J	K	L	pressure fork #	
282033	82	68	20	33	6,6	11	6	21	34,7	10	38	32	./.	200
282034	112	68	20	33	6,6	11	6	21	34,7	10	38	32	./.	200
282035	112	68	20	33	6,6	11	6	21	34,7	10	38	32	357582	220
282036	112	68	20	33	6,6	11	6	21	34,7	10	38	32	357578	230



Application example ratchet clamp with machined surface contact, black



Application example ratchet clamp with 165° angle setting

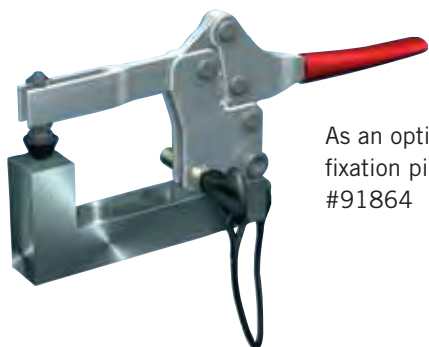


Application example ratchet clamp with 0° angle setting

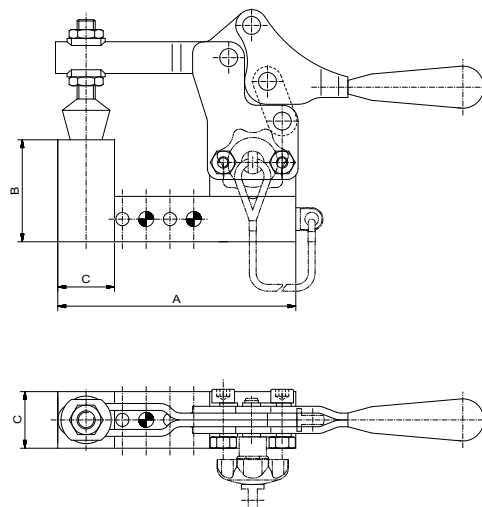
Horizontal Clamp Unit

with surface 25x25

Nr.	A	B	C	g
91654	105	45	25	170
91867	105	95	25	363
91868	194	45	25	323
91871	194	95	25	410



As an option
fixation pin
#91864



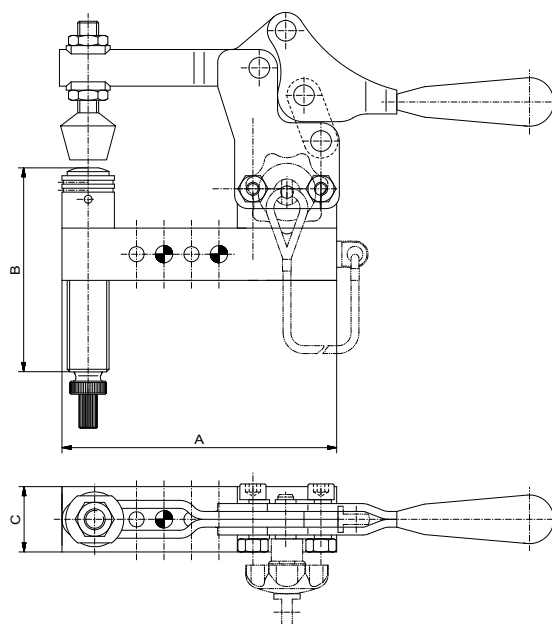
Horizontal Clamp Unit

with Meisterbock Screw, convex R18

Nr.	A	B	C	g
91653	105	78	25	158
91870	194	78	25	473



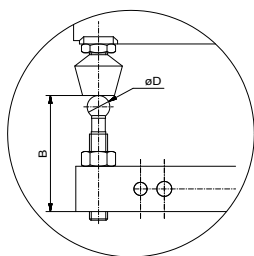
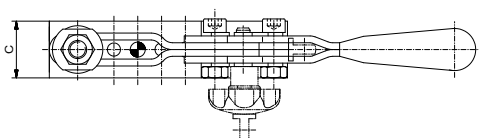
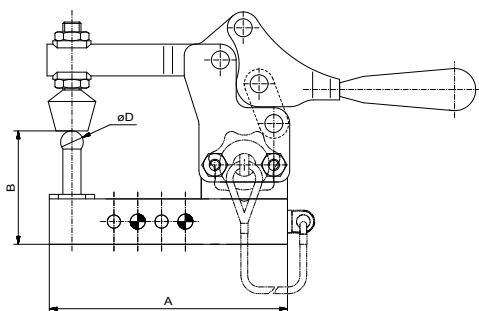
As an option
fixation pin #91864



ALUFIX ratchet clamps can be anodized in different colours. The colour natural is standard, black (-1) is available as an alternative. Other colours on request.

Toggle clamps included in supply are available in silver or black.





Detail:
adjustable
ball point

Horizontal Clamp Unit

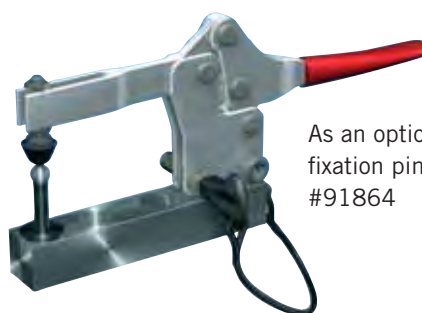
with ball point ø10

Nr.	A	B	C	D	
91655	105	50	25	10	156
91869	194	50	25	10	327

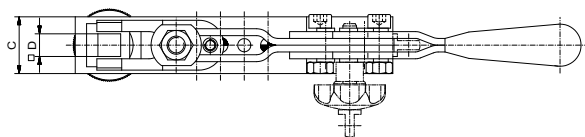
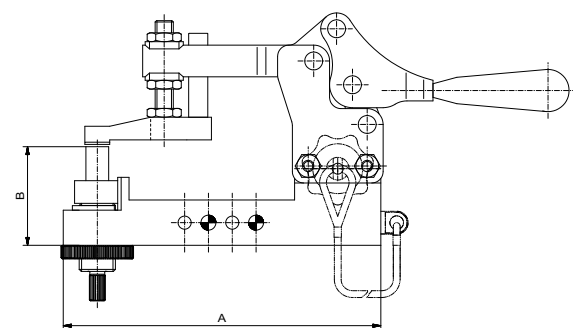
Horizontal Clamp Unit

with adjustable ball point ø10

Nr.	A	B	C	D	
93520	105	50	25	10	143
93521	194	50	25	10	762



As an option
fixation pin
#91864



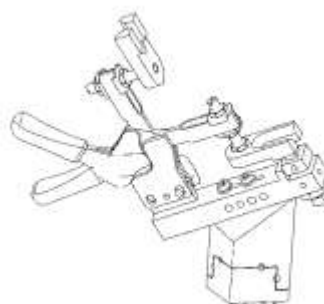
As an option
fixation pin
#91864

Horizontal Clamp Unit

height adjustable

Nr.	A	B	C	D	
93519	140	43,5	25	10	156

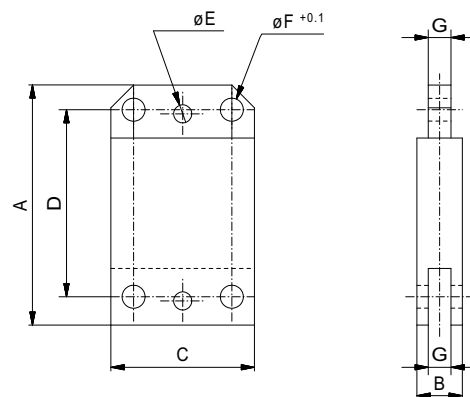
- Support surface 10x10mm secured against rotation and exchangeable
- With pressure fork
- 6mm shift
- Can support Meisterbock screws



Extension

for clamp

Nr.	A	B	C	D	E	F	G	
34408	64	12	38	50	4.8	6.1	6	60



Clamp units, vertical

Clamp units shown on previous pages are also available with vertical toggle clamps on request



Application example:
Clamp units with adjustable ball points and horizontal clamps

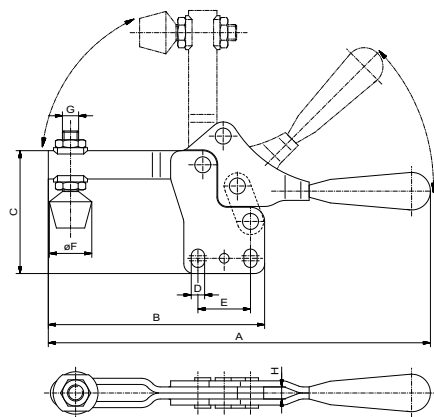


Application example:
Clamp unit with meisterbock screw and horizontal clamp with fork clamp



ALUFIX CLASSIC elements can be anodized in different colours. The colour natural is standard, black (-1) is available as an alternative. Other colours on request.

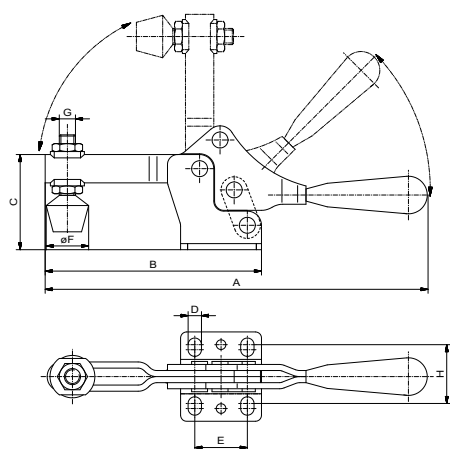
Other dimensions on request
Toggle clamps included in supply are available in silver or black.



Toggle clamp

horizontal, without foot

Nr.	A	B	C	D	E	F	G	H	
82419	190	107	60	6,6	26	21	M8	6	326
82487	104	60,9	32,6	4,4	13,5	10	M5	3,8	76



Toggle clamp

horizontal, with foot

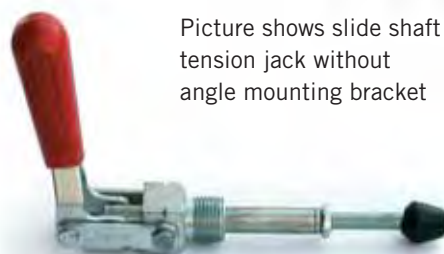
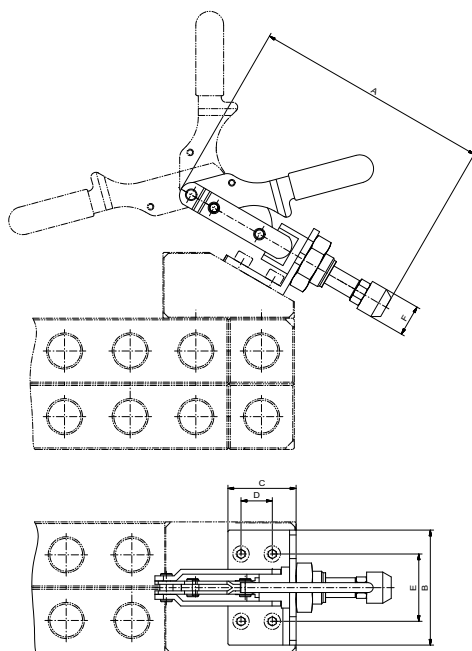
Nr.	A	B	C	D	E	F	G	H	
82417	188	107	48	6,6	26	21	M8	28	326
90835	104	60,9	28	4,4	13,5	10	M5	17,6	68



Slide shaft tension jack

with angle

Nr.	A	B	C	D	E	F	
97309	147	70	42	19	41	19	110
97310	143	60	41	-	40	16	110

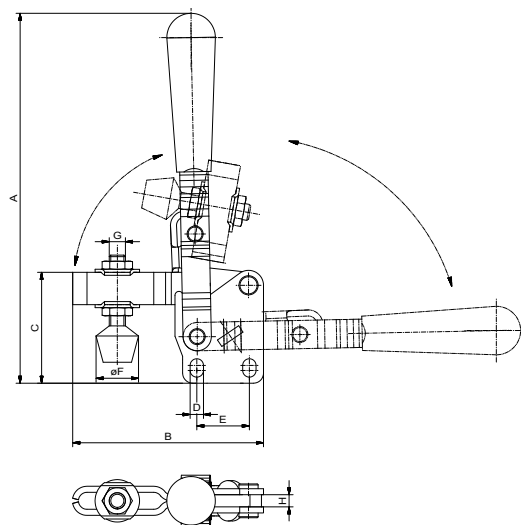


Picture shows slide shaft tension jack without angle mounting bracket

Toggle clamp

vertical, without foot

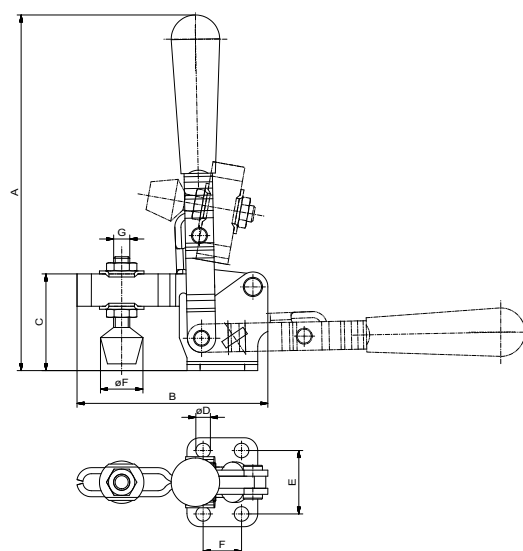
Nr.	A	B	C	D	E	F	G	H	
82420	183	95	55	6,6	26	21	M8	6	372



Toggle clamp

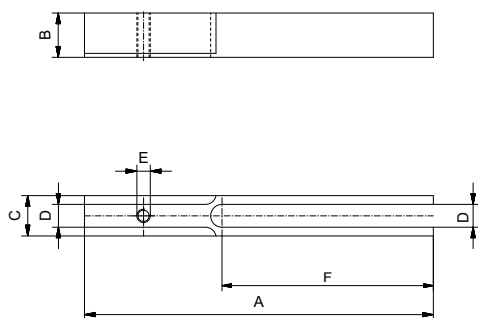
vertical, with foot

Nr.	A	B	C	D	E	F	G	
82418	175	95	48	7,2	31,4	19	M8	354



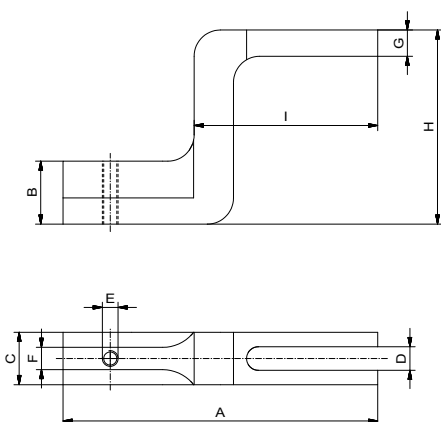
Standard colour for toggle clamps is silver, they are available in black on request (-1)

Other dimensions on request



Extension for toggle clamp

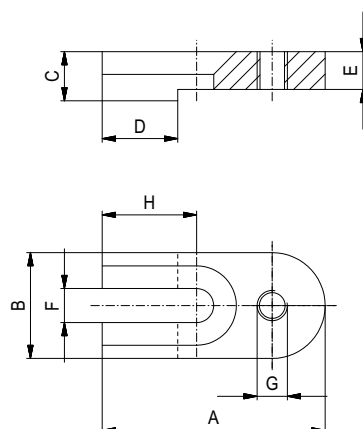
Nr.	A	B	C	D	E	F	
26677	130	12,5	11	6	M4	88	25
26678	130	15,5	15	8,5	M5	79	43
26679	165	20	18	10	M8	80	86



Extension for toggle clamp

goose neck

Nr.	A	B	C	D	E	F	G	H	I	
37942	120	24	20	9	M6	8,5	10	74	70	120
37941	120	24	20	9	M6	8,5	10	114	70	334



Pressure fork

straight, plastic

Nr.	A	B	C	D	E	F	G	H	
26563	59	28	13	20	10	9	8	25	17
32900	72,5	35	13	20	10	16	8	35	26

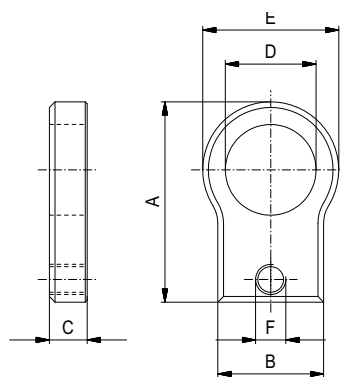


ALUFIX CLASSIC elements can be anodized in different colours. The colour natural is standard, black (-1) is available as an alternative. Other colours on request.

Pressure ring

plastic

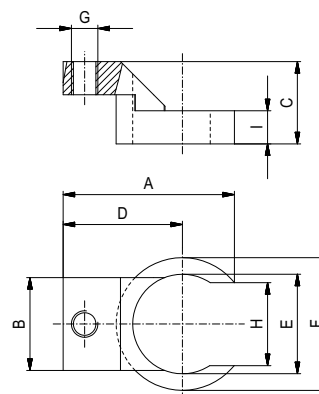
Nr.	A	B	C	D	E	F	
29095	43	28	10	24	36	8	15



Pressure fork

goose neck, plastic

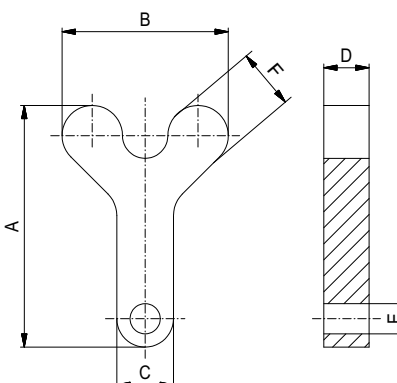
Nr.	A	B	C	D	E	F	G	H	I	
37212	51	28	24,8	36	30	40	8	25	25	10



Pressure fork

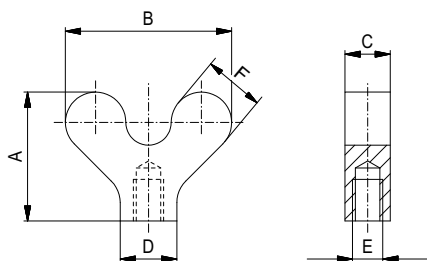
long, plastic

Nr.	A	B	C	D	E	F	
28367	64	44	15	12	8	16	20



In order to protect workpieces these pressure forks are made out of a polymer which contains no substances which could be dangerous to part during painting job at a later stage.

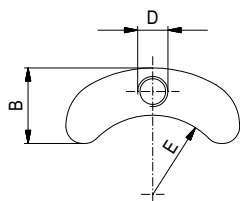
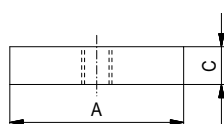
Other versions on request



Pressure fork M8

short, plastic

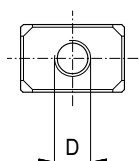
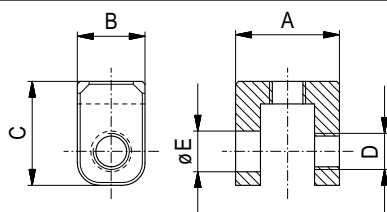
Nr.	A	B	C	D	E	F	
28368	34	44	12	15	M8	16	20
28369	40	60	12	15	M8	20	30



Pressure segment

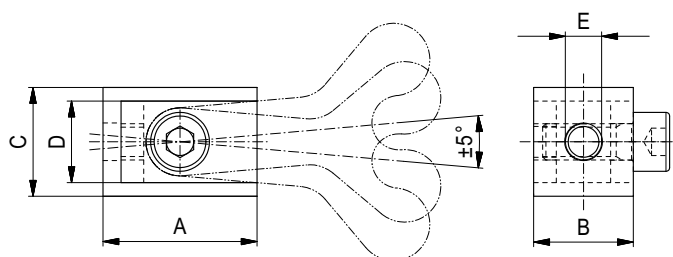
plastic

Nr.	A	B	C	D	E	
32613	46	20	10	M8	21	10



Foot for pressure fork

Nr.	A	B	C	D	E	
87590	23	15	23	M8	9	25



Foot for pressure fork

limited angle

Nr.	A	B	C	D	E	
89931	34	22	24	18	M8	50

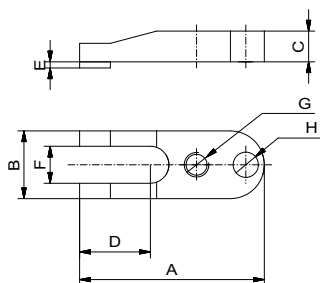


In order to protect workpieces these pressure forks are made out of a polymer which contains no substances which could be dangerous to part during painting job at a later stage.

Fork clamp

flat, with rubber tips

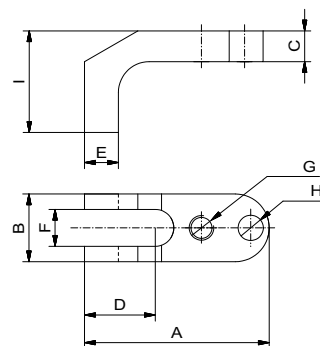
Nr.	A	B	C	D	E	F	G	H	
357407	60	22	10	23	2	12	ø8	ø8,2	--



Fork clamp

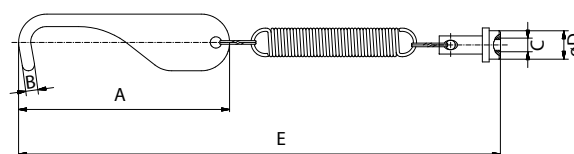
angled, with rubber tips

Nr.	A	B	C	D	E	F	G	H	I	
357578	60	22	10	23	11	12	M6	ø6,2	33	--



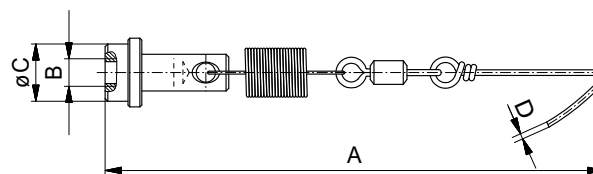
Spring with hook

Nr.	System	A	B	C	D	E	mat. hook	
84195	AF25	152	5,5	M 6	ø12,5	265	Alu	72
84192	AF25	93	5,5	M 6	ø12,5	210	Alu	47
84196	AF40	152	5,5	M10	ø12,5	275	Alu	92
90557	AF40	152	5,5	M10	ø12,5	275	Alu	70
84194	AF40	93	5,5	M10	ø12,5	215	POM	67



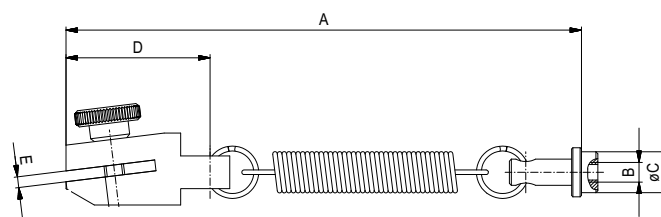
Spring with wire hook

Nr.	System	A	B	C	D	
93496	AF 25	109	M6	ø12,5	ø1,2	32



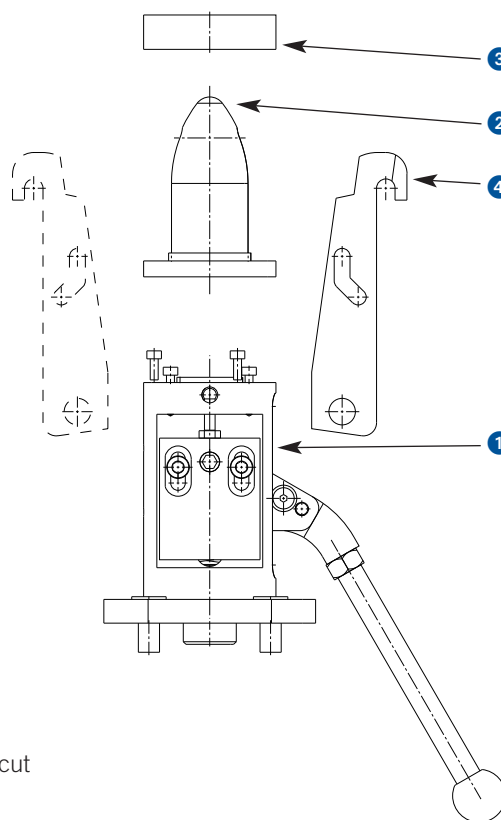
Polymer clamp with spring

Nr.	System	A	B	C	D	E	
93497	AF 25	157	12	ø12,5	44	3,3	41



ALUFIX Hook Clamps

Hook clamps are used when workpieces with a hole (especially on the inside of a workpiece, where it is difficult to clamp conventionally) have to be positioned and clamped simultaneously. They are usually connected by means of a contour block but they can be mounted directly to Alufix.



How to order:

Hook clamps are individually manufactured for every hole or press cut and comprise of four parts:

- ① Basic unit
- ② Top pin
- ③ Support ring
- ④ Hook (optional two hooks)

When ordering a hook clamp please attach a 1:1 section drawing of the support with details of the center pin diameter and the shape of the bore (round or oval). Further we need details of clearance behind the hole, metal thickness, collar height and direction in which part has been stamped

When ordering basic unit please also state required hook size
See also our download inquiry form under www.alufix.de/downloads

Hook Clamp compact

Example dia 30

A	B	C	D	E	F	G	H	I	g
30	50	110	9	159	80	112	20	M8	1156

1 Hook Clamp Basic Unit

Compact

Nr.	for pin dia	g
281408	Ø15-Ø39	669
281411	Ø40-Ø60	700

2 Top pin

Compact / Compact mini

Nr.	pin dia	g
34389	Ø15,0-0,02mm	108
51512	Ø20,0-0,02mm	145
391436	Ø25,0-0,02mm	201
34388	Ø30,0-0,02mm	254
54120	Ø40,0-0,02mm	456

3 Support ring

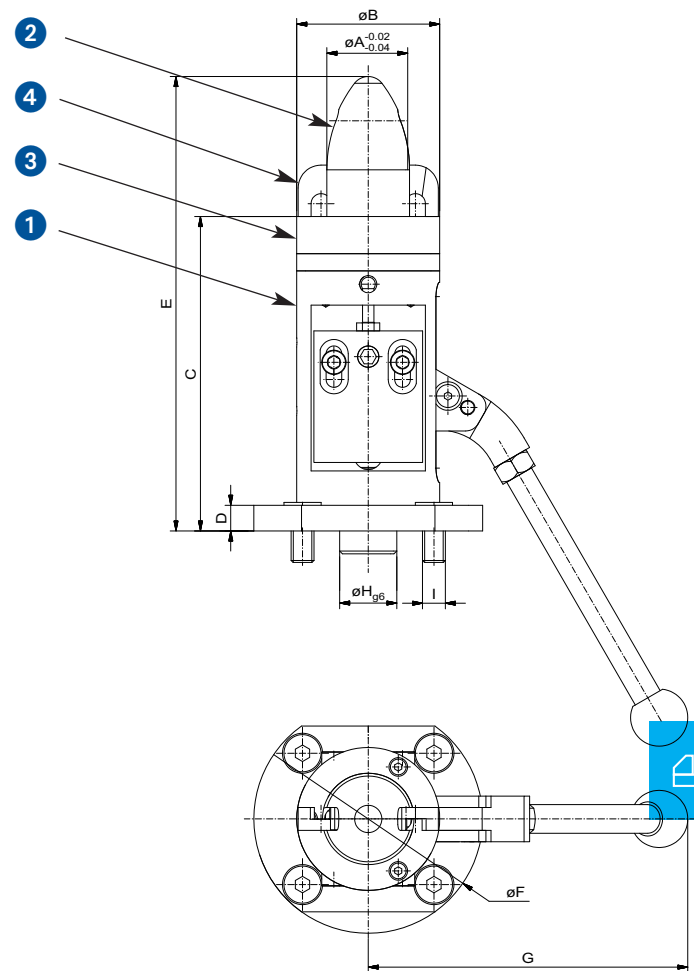
Compact / Compact mini

Nr.	surface dia	g
53384	Ø30mm	106
56036	Ø35mm	112
26589	Ø40mm	128
390548	Ø45mm	106
26592	Ø50mm	110
33020	Ø55mm	152
397265	Ø60mm	182

4 Hook

Compact

Nr.	clamping width	g
30759	30mm	80
394903	35mm	88
28399	40mm	94
30760	45mm	100
28400	50mm	122
33350	55mm	125
28401	60mm	128

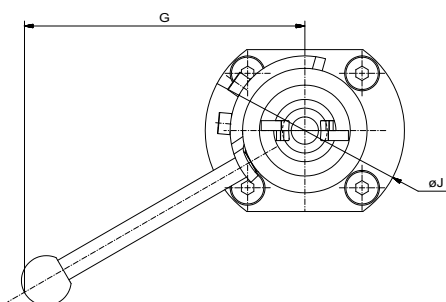
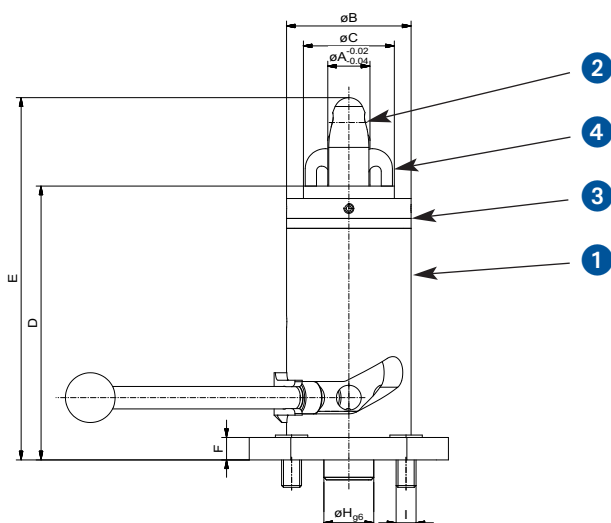


i Internal excenter lever, top pin and support ring are 100% compatible (outer dimensions same as existing hook clamps). Sideways activation possible via hex key



i **ALUFIX CLASSIC** elements can be anodized in different colours. The colour natural is standard, black (-1) is available as an alternative. Other colours on request.

i Other dimensions on request



Hook Clamp Compact Flexible

Example dia 30

A	B	C	D	E	F	G	H	I	J	g
18	50	36,5	110	145,5	9	112	20	M8	80	991

1 Hook Clamp Basic Unit

Compact flexible

Nr.	Base height	g
281886	110mm (low-standard)	700
281887	160mm (high)	1047

2 Top pin

Compact flexible

Nr.	pin dia	g
306051	Ø18-0,02mm	159
306052	Ø20-0,02mm	169
309929	Ø25-0,02mm	199
306053	Ø30-0,02mm	245
304272	Ø40-0,02mm	410

3 Support ring

Compact / Compact mini

Nr.	surface dia	g
311718	Ø30mm	88
311720	Ø35mm	98
306056	Ø40mm	104
311722	Ø45mm	101
306057	Ø50mm	116
311739	Ø55mm	100
304273	Ø60mm	145

4 Hook

Compact flexible

Nr.	clamping width	g
311717	30mm	26
306058	35mm	36
306059	40mm	38
306060	45mm	40
306061	50mm	46
311738	55mm	48
304274	60mm	50



Picture shows high base unit version #281887. Special lengths on request

i Tolerances in workpiece thickness of up to +/- 0,3mm are evened out. Fast adjustment according to workpiece thickness possible. More space between operating lever and clamping surface = more freedom of movement and less part collision due to horizontal lever movement. Hook alignment independent of lever orientation, infinite rotary movement 360°. Support ring infinite rotary movement 360°

Hook Clamp Compact mini

Example dia 30

A	B	C	D	E	F	G	H	
30	50	80	9	129	80	20	9	955

1 Hook clamp basic unit

Compact mini

Nr.	for pin dia	
282726	80mm (Standard)	547

2 Top pin

Compact / Compact mini

Nr.	pin dia	
34389	Ø15,0-0,02mm	108
51512	Ø20,0-0,02mm	145
391436	Ø25,0-0,02mm	201
34388	Ø30,0-0,02mm	254
54120	Ø40,0-0,02mm	456

3 Support ring

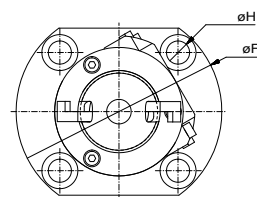
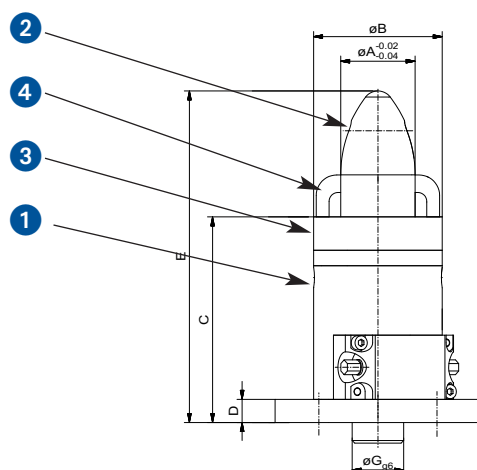
Compact / Compact mini

Nr.	surface dia	
53384	Ø30mm	106
56036	Ø35mm	115
26589	Ø40mm	128
390548	Ø45mm	106
26592	Ø50mm	110
33020	Ø55mm	152
397265	Ø60mm	182

4 Hook

Compact mini

Nr.	clamping width	
311712	30mm	34
311713	35mm	36
311714	40mm	38
311715	45mm	44
311716	50mm	44

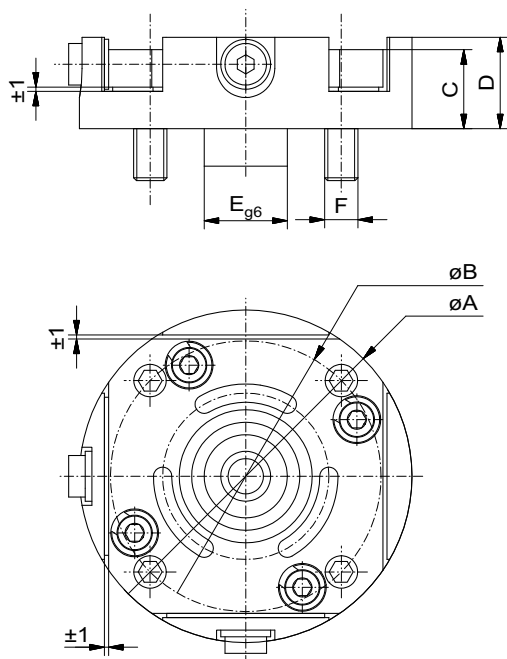


Drive via hex key (access from two sides) and worm gear. Self adjusting to sheet metal thickness. Tool with pre set torque required (0,5Nm). Top pin and support ring are 100% compatible to existing hook clamps.



ALUFIX CLASSIC elements can be anodized in different colours. The colour natural is standard, black (-1) is available as an alternative. Other colours on request.

Other dimensions on request



Foot for hook clamps

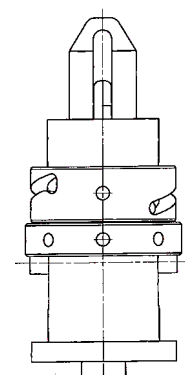
X,Y,Z shimmable including shim foils

Nr.	A	B	C	D	E	F	G
281407	80	65	19	22	20	M8	286

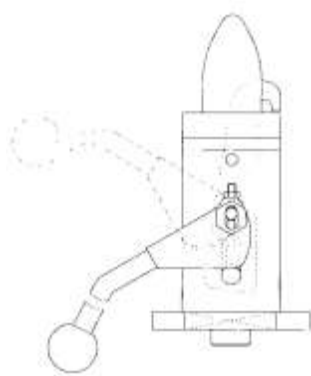


Existing hook clamps

Previously supplied hook clamps are still available. Details and availability on request.



Hook clamp with excenter movement and adjustment for workpiece thickness



Existing version with outside lever



X,Y,Z hook clamp, self centering



Hook clamp, previous version

Other dimensions on request



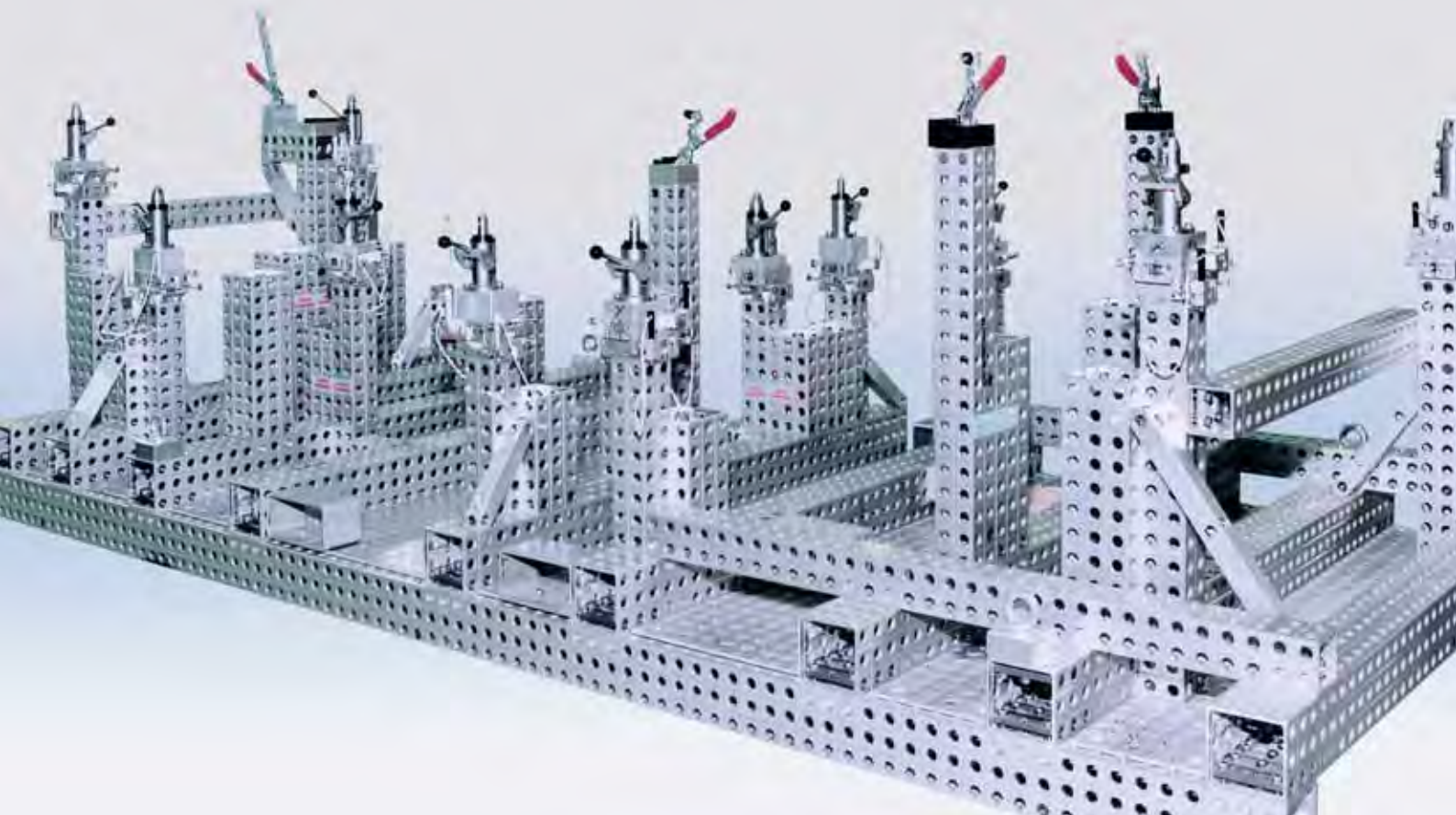
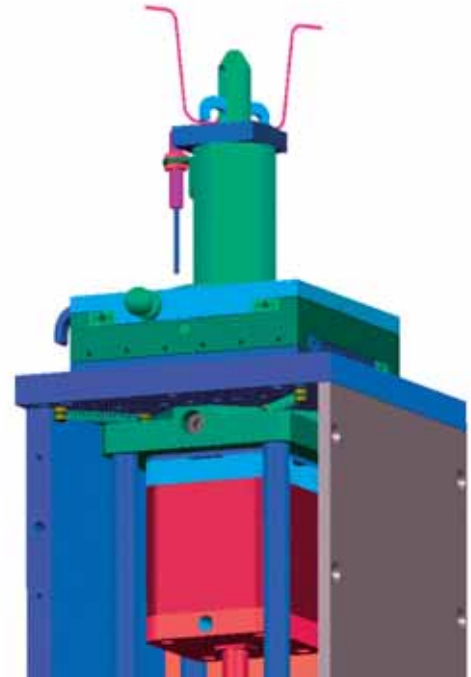
ALUFIX CLASSIC elements can be anodized in different colours. The colour natural is standard, black (-1) is available as an alternative. Other colours on request.

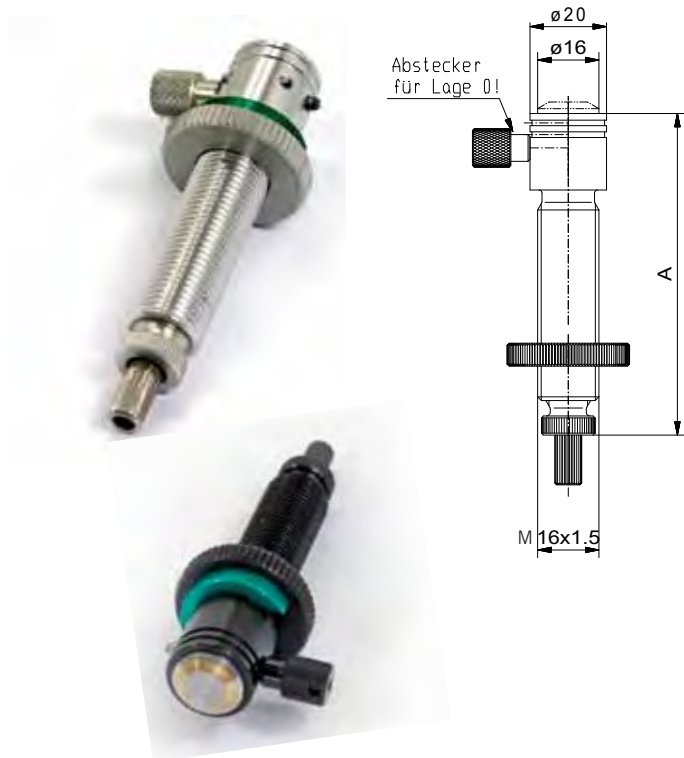
Pneumatic hook clamps

customized versions

Characteristics

- Independent centering via springs
- Operation with compressed air
- Programme controlled
- Optimal part recognition via sensor
- Final position query at pneumatic cylinder via proximity switch
- Operating pressure 6 bar





Meisterbock screw

with fixation pin to zero, lift +/- 3mm

without cap

Nr.	A	g
91777	84	98
282330	65	89

convex R18 with magnet

Nr.	A	g
90694	84	110
98031	65	100

convex R8

Nr.	A	g
91604	84	100
98033	65	90

convex R18

Nr.	A	g
90693	84	96
98034	65	86

flat with magnet

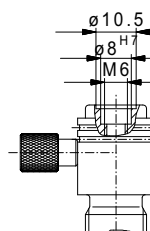
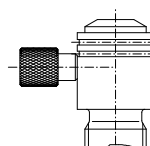
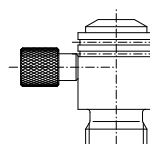
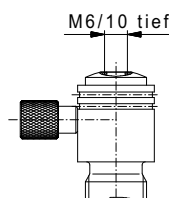
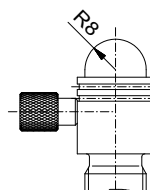
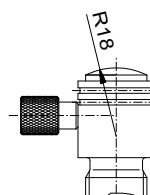
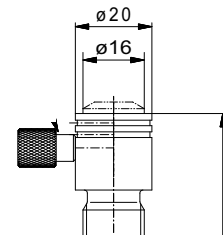
Nr.	A	g
93318	84	105
98032	65	95

flat

Nr.	A	g
93319	84	98
98035	65	90

with thread

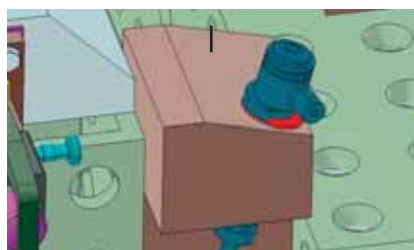
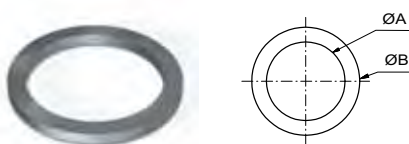
Nr.	A	g
91912	84	90
98036	65	82



Shim

0,5/0,05, for meisterbock screw

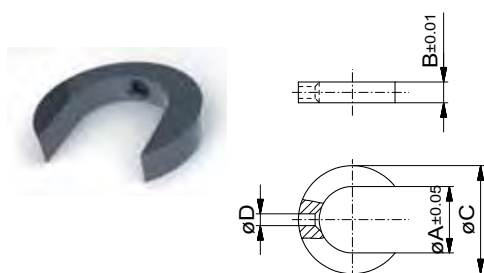
Nr.	A	B
13374	16	22



Spacer

for meisterbock screw

Nr.	A	B	C	D
53978	16	5	26	2,8



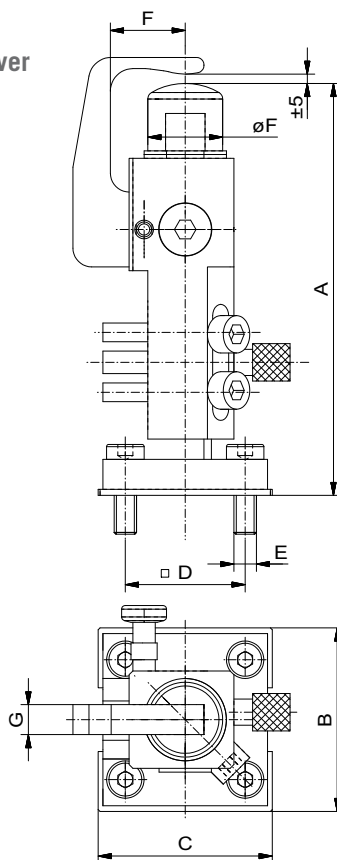
Special meisterbock screws i.e. with micrometer fine adjustment available on request.

Flangeholder

contact point adjustable, with excenter clamping lever

Nr.	A	B	C	D	E	F	G	
96993	110	49	46,5	32	M6	20	8	400

The work piece is clamped by means of the "clamp arm".
Even during adjustment of the contact point reseating of the clamp is not needed.
Total adjustability is +/- 5mm.

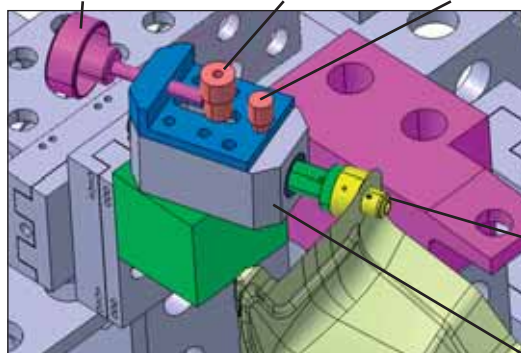


Standard main locator

can be lowered and adjusted, lift +/-5mm

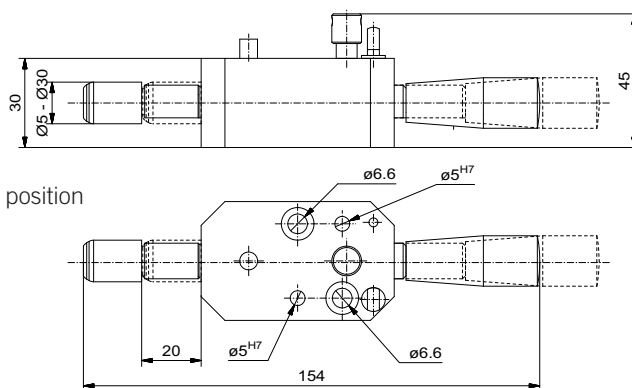
Nr.	
98718	260

Adjustment knob Fixation knob Locking pin for nominal position



Individual locator according to customer specification (Example shows main locator holding X,Y,Z)

Standard unit, mounted on machined contour block, bolted 2x and located 2x



ALUFIX CLASSIC elements can be anodized in different colours. The colour natural is standard, black (-1) is available as an alternative. Other colours on request.

Other versions on request