

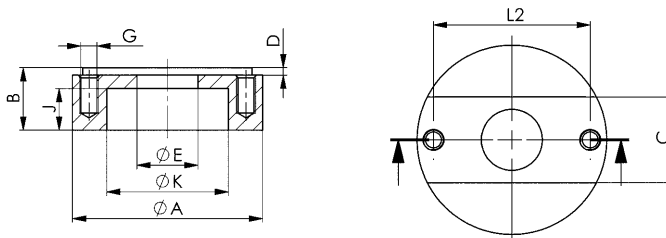
No. 6829WS

Welding protection

for piston rod
for swing clamp with welding protection no. 6829W for protection of the piston rod against weld spatter. High-strength aluminium alloy, anodised.



Order no.	Size	dia. A	B	C	D	dia. E	G	J	dia. K	L2	Weight [g]
91645	25	40	14,5	16,4	2,0	12,1	M4	10,5	25	32,0	32
91660	32	50	18,0	22,6	3,8	16,1	M5	11,0	32	41,3	55
91686	40	50	17,9	22,6	3,8	16,1	M6	11,0	32	41,4	58
91702	50	59	33,0	25,8	5,1	20,1	M6	25,0	39	46,5	122
91793	63	69	33,0	25,8	5,1	20,1	M6	25,0	50	59,5	160



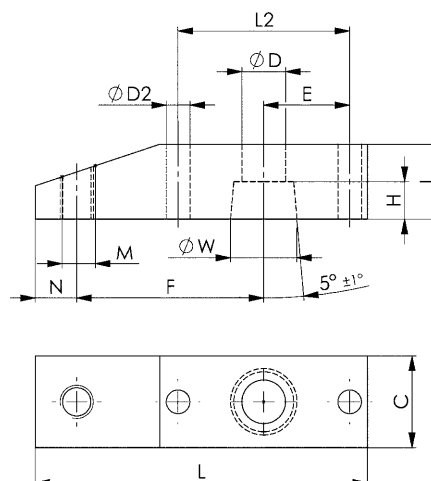
No. 6829WSP

Clamp arm

for swing clamp with welding protection no. 6829W.
High-strength aluminium alloy, black. HART-COAT® surface for wear-resistance and reduced adhesion of weld spatter. Ready for mounting, with connection thread for clamping screw no. 6880.



Order no.	Size	C	dia. D	dia. D2	E	F	H	I	L	M	L2	N	dia. W	Weight [g]
91678	25	16	8,3	4,8	16,00	32,0	5,5	14	63,5	M6	32,0	7	12	36
91694	32	22	10,5	5,7	20,70	45,0	9,0	18	80,0	M8	41,3	10	16	83
91751	40	22	10,5	6,4	20,70	45,0	9,0	22	82,0	M8	41,4	10	16	84
91603	50	25	12,5	6,4	23,25	65,0	12,0	25	105,0	M10	46,5	10	20	144
91629	63	25	12,5	6,4	29,75	72,5	12,0	25	120,0	M10	59,5	10	20	168



No. 6897S

Sensor monitor

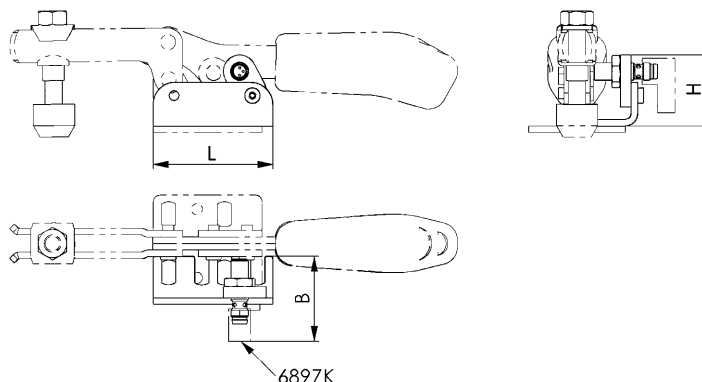
for manual clamps.
For monitoring the closed position of the toggle clamp. Complete with inductive sensor M8x1 for ambient temperatures from 0° to 60° C. Matching plug connection no. 6897K.



Order no.	Size	L x W x H	Weight [g]
90597	3	55 x 40 x 35	60

Note:

Sensor monitor size 3 can be used on both sides for horizontal toggle clamp no. 6830-3, 6834-3 and 6830B-3, only on one side for horizontal toggle clamp with safety latch no. 6830S-3.



No. 6897K

Plug connection for sensor monitor

for sensor monitor no. 6897S and 6820SIS.

Angled plug connection, cable permanently injection-moulded on.

Order no.	Size	Cable length	Weight
		[m]	[g]
90613	1	2	75
90639	2	5	150

Note:

IP68 acc. to IEC 529, silicone-free, halogen-free, gold-plated contacts.



No. 6898V

Rotatable base unit

incl. stop pin for limiting the opening position of 90°

Order no.	Size	Weight	
		[g]	
555182	1	430	
555183	2	915	
555184	3	430	
555185	4	922	

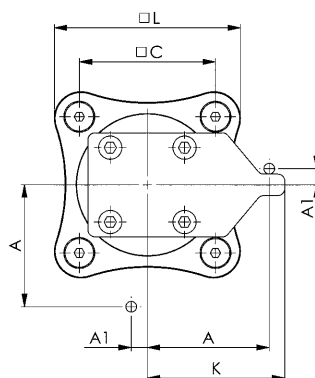
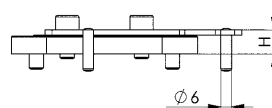
Note:

Order no. 555182 for toggle clamp 6830 Size 2 and 3

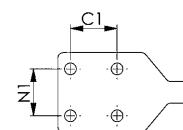
Order no. 555183 for toggle clamp 6830 Size 4 and 5

Order no. 555184 for toggle clamp 6800 Size 2 and 3

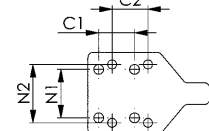
Order no. 555185 for toggle clamp 6800 Size 4 and 5



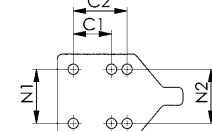
Size 1, 2



Size 3



Size 4



Dimensions:

Order no.	Size	A	A1	C	C1	C2	H	K	L	N1	N2
555182	1	41	9,0	54	26,0	-	11,4	47,0	76	26,0	-
555183	2	68	9,0	76	41,5	-	13,4	77,0	104	41,5	-
555184	3	41	9,0	54	20,0	20	11,4	45,0	76	27,0	32,5
555185	4	59	10,5	76	32,0	45	13,4	69,2	104	45,0	45,0

CAD

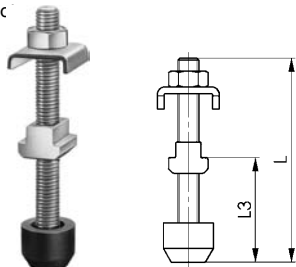


Subject to technical alterations.

No. 6890

Clamping screw

for open clamping arms,
tempered, galvanized and passivated. Strength class 8.8,
with removable protective cap made of oil resistant neoprene to
prevent damage to delicate workpiece surfaces. Hardness 70
Shore A, silicone-free.
Size 0-3, 6 with washer/nut-element,
Size 4-7 with nut for T-slc



CAD



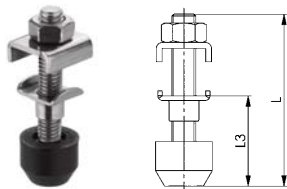
Order no.	Size	Screw DIN 933	T-Nut DIN 508	Washer size	L	L3	Weight [g]
99002	0	M 4x 25	-	0	32	13-20	5
99010	1	M 5x 30	-	1	38	17-24	10
99028	2	M 6x 35	-	2	45	19-28	22
99077	2	M 6x 50	-	2	60	19-43	30
99036	3	M 8x 45	-	3	58	22-34	40
99044	4	M 8x 65	M 8x10	4	78	21-50	62
99051	5	M 8x 65	M 8x10	5	78	21-45	62
561827	6 *	M10x116	-	6	116	28-78	122
99085	6	M12x 80	M12x14	6	97	28-58	160
99069	7	M12x110	M12x14	6	127	28-88	180

* with bonded thrust piece

No. 6890NI

Clamping screw

for open clamping arms,
stainless steel. Size 4 with 2 washers. Protective cap made of oil
resistant neoprene to prevent damage to delicate workpieces,
silicone-free.



CAD

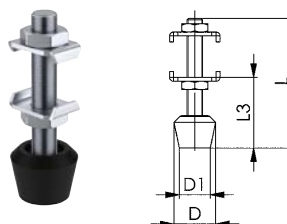


Order no.	Size	Screw DIN 933	Washer size	L	L3	Weight [g]
96040	0	M4x25	0	32	13-20	5
96057	1	M5x30	1	38	17-24	10
96065	2	M6x35	2	45	19-28	22
96073	3	M8x45	3	58	22-34	40
96081	4	M8x65	4	78	21-50	60

No. 68301

Clamping screw

For horizontal acting toggle clamp plus.
complete with U-washers, hex nuts and screw with bonded
pressure pad, made of oil-resistant neoprene to prevent damage
to delicate workpieces. Hardness 85 Shore A, silicone-free.
Strength class 8.8.



CAD

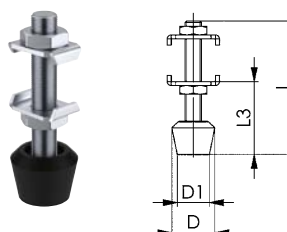


Order no.	Size	M x L	D	D1	L3	Weight [g]
552698	1	M5 x 35	11	10	9 - 18	15
551718	2	M6 x 50	16	12	17 - 29	20
551719	3	M8 x 58	21	16	21 - 34	36
551720	4	M10 x 76	26	20	28 - 44	95

No. 68301NI

Clamping screw

for horizontal toggle clamp plus,
stainless steel.



CAD



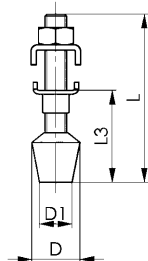
Order no.	Size	M x L	D	D1	L3	Weight [g]
560014	1	M5 x 35	11	10	10 - 22	15
555177	2	M6 x 50	16	12	17 - 29	20
558996	3	M8 x 58	21	16	22 - 31	45
555178	4	M10 x 76	26	20	28 - 44	95

Subject to technical alterations.

No. 6890B

Clamping screw, black

for open clamping arms,
matte-black galvanized, complete with washer, nut element,
washer, hex nut and screw with bonded pressure pad, made of
oil-resistant neoprene to prevent damage to delicate workpieces.
Hardness 85 Shore A, silicone-free. Strength class 8.8.

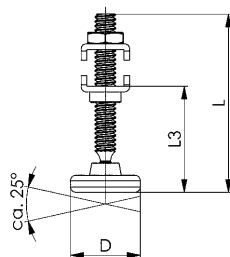


Order no.	Size	M x L	D	D1	L3	Weight [g]
99614	0	M4x34,5	10	-	11,5-22	6
99671	1	M5x38,0	13	10	17,0-24	11
99630	2	M6x46,0	16	10	20,0-27	17
92635	2	M6x60,0	16	10	20,0-40	22
92916	2	M6x110,0	16	10	20,0-90	60
99655	3	M8x63,0	18	13	27,0-37	39

No. 6875

Clamping screw

for open clamping arms,
galvanised. For auto-adjust toggle clamps.

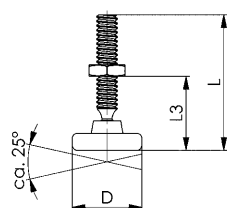


Order no.	Size	M x L	D	L3	Weight [g]
557079	1	M6 x 49	19	16 - 34	23
557080	2	M8 x 50	27	21 - 31	51
557081	3	M8 x 66	27	21 - 47	55

No. 6876

Clamping screw

for push-pull type toggle clamps,
galvanised. For auto-adjust toggle clamps.

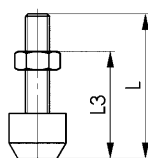


Order no.	Size	M x L	D	L3	Weight [g]
557086	1	M6 x 37	19	13 - 25	16
557087	2	M8 x 50	19	16 - 35	41

No. 6880

Clamping screw

for push-pull type toggle clamps,
tempered, galvanised and passivated. Strength class 8.8,
with nut and removable protective cap made of oil resistant
neoprene to prevent damage to delicate workpiece surfaces.
Hardness 70 Shore A, silicone-free.

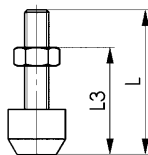


Order no.	Size	Screw DIN 933	L	L3	Weight [g]
98012	0+1	M 4x20	27	12-20	4
98038	2	M 6x25	35	17-25	15
98046	3	M 8x35	48	22-35	26
98053	5	M10x50	66	30-52	57
98061	7	M12x50	68	30-50	82
98475	8	M16x80	90	25-70	220

No. 6880NI

Clamping screw

for push-pull type clamps,
stainless steel



Order no.	Size	Screw DIN 933	L	L3	Weight [g]
96008	0+1	M 4x20	27	12-20	4
96016	2	M 6x25	35	18-27	15
96024	3	M 8x35	48	22-35	26
96032	7	M12x50	68	30-50	82

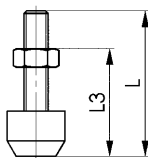
CAD



No. 6880B

Clamping screw, black

for push-pull type clamps,
matte-black, with nut and bonded pressure pad, strength class 8.8.



Order no.	Size	Screw DIN 933	L	L3	Weight [g]
99622	1	M4 x 20	23	10-17	4
99705	2	M6 x 25	35	17-25	15
492058	3	M8 x 44	44	26 - 33	26

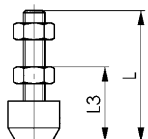
CAD



No. 6885

Clamping screw

for solid and fixed clamping arms,
tempered, tensile strength class 8.8, galvanized and passivated,
with 2 nuts and removable rubber nose.



Order no.	Size	Screw DIN 933	L	L3	Weight [g]
98517	1	M 5x 30	38	14-25	10
98525	2	M 6x 35	45	17-25	20
98533	3	M 8x 45	58	22-32	35
98541	4	M 8x 65	78	22-52	40
98558	5	M12x 80	98	30-60	130
98566	6	M12x110	128	30-88	160
98582	8	M16x120	130	25-84	280

CAD

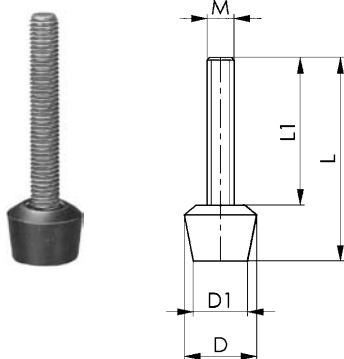


Subject to technical alterations.

No. 6894

Clamping screw

with a bonded pressure pad, made of oil resistant neoprene to prevent damage to delicate workpieces. Hardness 85 Shore A, silicone-free. Screw tempered, galvanized and passivated, strength class 8.8.



CAD

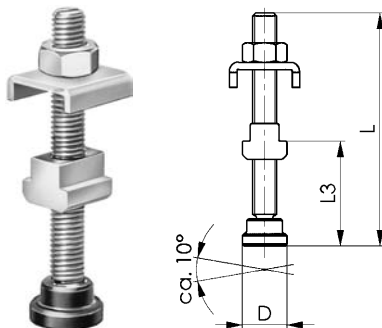


Order no.	M x L	D	D1	L1	Weight [g]
99408	M 4x 32	11	8	24	4
99416	M 5x 38	13	10	28	8
99390	M 6x 35	16	12	23	11
99424	M 6x 45	16	12	33	13
99556	M 6x 60	16	12	48	16
99432	M 8x 48	21	16	32	25
99499	M 8x 58	21	16	42	29
99440	M 8x 63	21	16	47	31
99457	M 8x 78	21	16	62	37
99580	M10x 66	26	20	46	53
99598	M10x 76	26	20	56	59
99606	M10x116	26	20	96	84
99465	M12x 70	31	24	46	78
99473	M12x100	31	24	76	105
99481	M12x130	31	24	106	131

No. 6891

Self-aligning clamping screw

for open clamping arms, tempered, galvanized and passivated. Sizes 1-3 with washer/nut-element. Sizes 4-6 with T-nut.



CAD

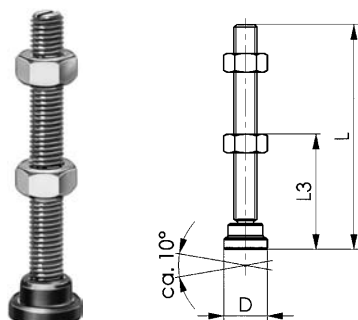


Order no.	Size	Screw DIN 6332	T-Nut DIN 508	Washer size	D	L	L3	Weight [g]
99119	1	M 5x 35	-	1	12	37	12-22	12
99127	2	M 6x 50	-	2	12	52	14-33	20
99135	3	M 8x 75	-	3	16	78	18-52	47
99143	4	M 8x 75	M 8x10	4	16	78	15-50	62
99168	6	M12x100	M12x14	6	25	105	25-62	183

No. 6886

Self-aligning clamping screw

for solid and closed clamping arms, tempered, galvanized and passivated.



CAD



Order no.	Size	Screw DIN 6332	D	L	L3	Weight [g]
98616	1	M 5x 35	12	37	8-23	9
98632	4	M 8x 75	16	78	16-52	42
98665	6	M12x100	25	105	30-61	138

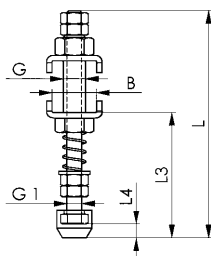
No. 6892

Spring loaded screw

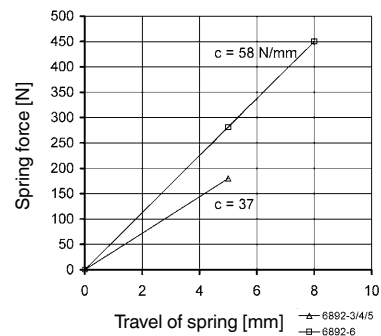
for open ended clamping arms,
tempered, galvanized and passivated.



Order no.	Size	B	G	G1	Rubber nose	L	L3	L4	Weight [g]
99259	3	14,5	M 8	M5	6893-M5	90	39-52	5	55
99267	4	18,5	M 8	M5	6893-M5	90	40-53	5	63
99275	5	20,5	M 8	M5	6893-M5	90	40-48	5	64
99283	6	24,0	M12	M8	6893-M8	123	60-68	7	182



Spring rate:



CAD



No. 6893

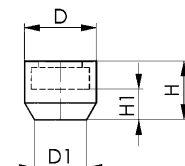
Rubber nose

Made of oil resistant neoprene to prevent damage to delicate components. Hardness 70 Shore A. Fits the clamping screws no. 6880, no. 6885, no. 6890 and no. 6892, for placement on hexagon screw head ISO 272. Minimum order quantity is 10 pieces per size.

Order no.	Size	SW	D	D1	H	H1	Weight [g]
99309	M 4	7	11,0	7	8,5	4,2	1
99325	M 5	8	12,5	8	10,0	5,0	1
99333	M 6	10	15,0	10	12,0	6,0	2
99341	M 8	13	19,0	13	15,0	7,5	4
99358	M10	16	22,0	15	17,5	8,5	5
99374	M12-SW18	18*	25,0	18	20,0	9,5	8
99366	M12-SW19	19**	26,0	19	20,0	9,5	9
99382	M16	24	33,0	24	27,0	14,0	19

* According to new standard ISO 4017 (marked with a „6“ on its clamping face).

** According to old norm DIN 933.



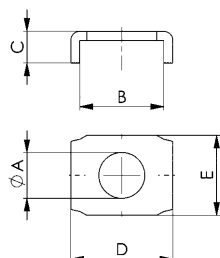
CAD



No. 6887

U-washer

galvanised and passivated.
For clamping screws 6890.



NEW!
NEW!
NEW!

Order no.	Size	dia. A	B	C	D	E	Weight [g]
557062	0	4,2	8,1	3,0	10,6	9	1
557074	1+2	6,3	11,5	4,4	14,0	11	2
557075	3	8,5	14,6	7,2	18,6	20	7
564052	4	8,5	18,5	8,4	23,5	20	12
564053	5	8,5	20,5	7,4	25,5	20	12
564054	6	13,0	24,0	9,4	30,0	30	24

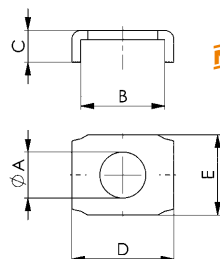
CAD



No. 6887B

U-washer

matte-black.
For clamping screws 6890B.



NEW!

Order no.	Size	dia. A	B	C	D	E	Weight [g]
564055	0	4,2	8,1	3,0	10,6	9	1
557076	1+2	6,3	11,5	4,4	14,0	11	2
557077	3	8,5	14,6	7,2	18,6	20	7

CAD



Subject to technical alterations.

No. 6899

Clamping arm extension

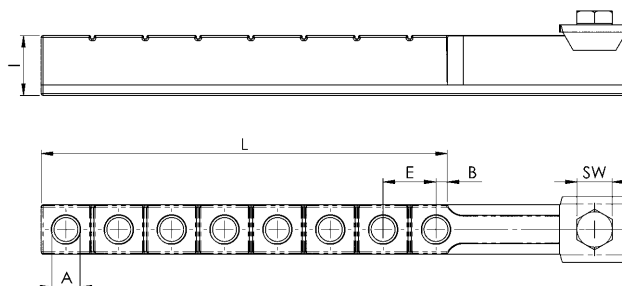
for manual clamps,
Aluminium. Complete with fastening bolt. Without clamping
screw.



Order no.	Size	A	B	E	I	L	SW	Weight [g]
557094	1	5 x M5	6	12	11	61	7	24
557095	2	6 x M6	8	15	14	90	8	47
557096	3	8 x M8	3	15	17	115	10	92

Note:

Can be shortened to desired length.



CAD



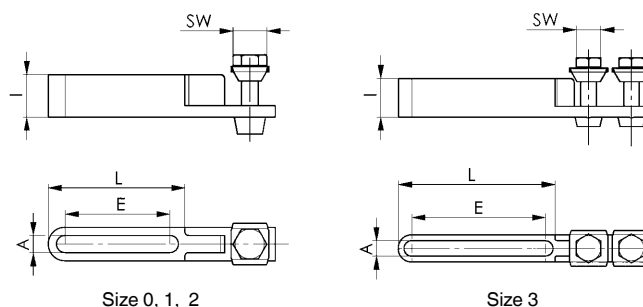
No. 6896

Clamping arm extension

for manual clamps,
steel, blued. Complete with fastening screw. Without clamping
screw.



Order no.	Size	Clamping screw	A	E	I	L	SW	Weight [g]
94045	0	M4	4,2	25	10	32,5	7	15
94060	1	M5	5,2	45	12	55,0	8	25
94086	2	M6	6,2	65	14	73,5	10	40
94102	3	M8	8,2	70	20	82,0	13	80



CAD



No. 6878K

Clamping bolt for perforated tables

For adapting toggle clamps on perforated tables for woodworking and welding.

The toggle clamp can be fixed quickly and easily from above. The clamping bolt is insensitive to the surface quality and diameter of the hole and can also be used with thin plates from 4 mm.

NEW!



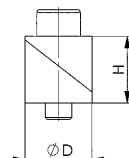
Order no.	Size	Cylinder screw ISO 4762	dia. D	H	Weight [g]
564126	16	M8 x 20	16	17,5	36
564127	20	M8 x 25	20	20,0	59
564128	28	M8 x 30	28	28,5	148

Design:

- Area of application woodworking size 20: Stainless steel
- Area of application welding sizes 16 and 28: burnished steel

Note:

The toggle clamp is attached using the supplied cylinder screw.



Recommendations



No. 6870F,
page 104



No. 6874F,
page 107



No. 6800,
page 12



No. 6878RM

Rhombus T-slot adapter

For adapting toggle clamps on T-slot tables. Suitable for woodworking and welding.

The rhombus T-nut with integrated inhibition can be easily and conveniently inserted in the desired position from above into the T-slot and screwed tightly. Rhombus nut made of tempered steel, burnished.

Including screw set for mounting various toggle clamps and adapter plates.

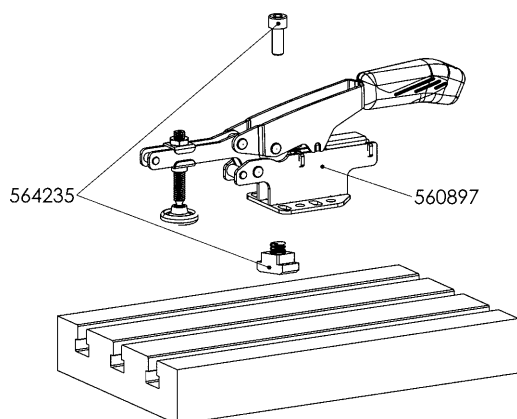
NEW!



Order no.	Slot	Weight [g]
564235	12	40
564236	14	50
564237	16	70
564238	18	90

Application possibilities, in relation to toggle clamp size:

Article no. of toggle clamps	Size	Only clamping bolt or rhombus T-slot adapter without adapter plate	Size mounting kit 6878B for adapter plate round and angular		
			M5	M6	M8
6800	2		●		
	3			●	
	4				●
6830	2		●		
	3			●	
	4				●
6870F	20		●		
	50	●		●	
	70	●		●	
6874F	15		●		
	25	●		●	



No. 6878AE

Adapter plate, angular

For fastening vertical toggle clamps and horizontal toggle clamps on perforated tables for woodworking and welding. Particularly suitable for quick positioning. The toggle clamp can be fixed quickly and easily from above. Steel adapter plate, galvanized and passivated.

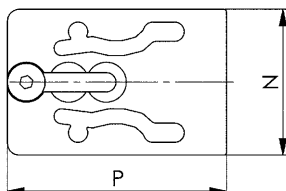
NEW!



Order no.	Size	Flat-head screw DIN 7991	N	P	Weight [g]
564129	1	M8 x 35	62	93	170

Note:

The adapter plate is fastened on the perforated table using the corresponding clamping bolt. The toggle clamp is attached on the adapter by flat-head screws from below. For this purpose, select the required mounting kit 6878B according to the toggle clamp sizes.



CAD



No. 6878AR

Adapter plate, round

For fastening vertical toggle clamps and horizontal toggle clamps on perforated tables for woodworking and welding. For flexible change of position within the breadboard. Steel adapter plate, galvanized and passivated. Clamping bolt with washer for fixing the round adapter plate on the perforated table.

NEW!

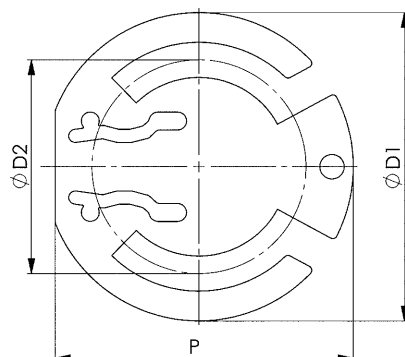


Order no.	Size	dia. D1	dia. D2	P	Weight [g]
564130	1	145	100	140	450

Note:

To fix the adapter plate round with the clamping bolts 6878K on the perforated table, the mounting kit discs, order no. 564139 are required.

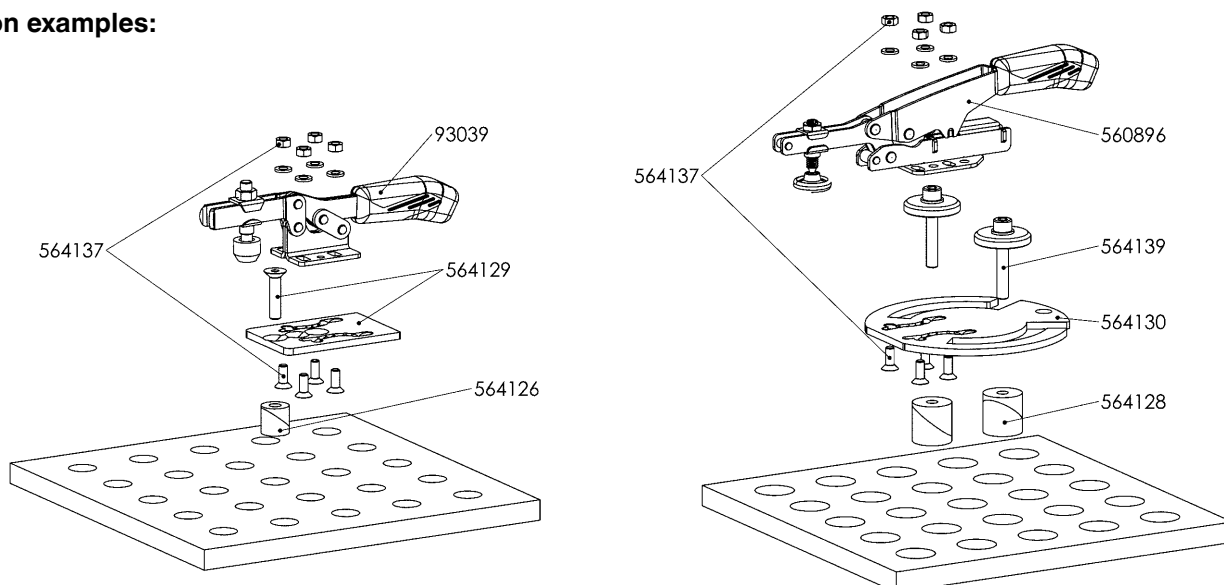
The toggle clamp is attached on the adapter plate by flat-head screws from below. For this purpose, the mounting kit 6878B according to the toggle clamp sizes is required.



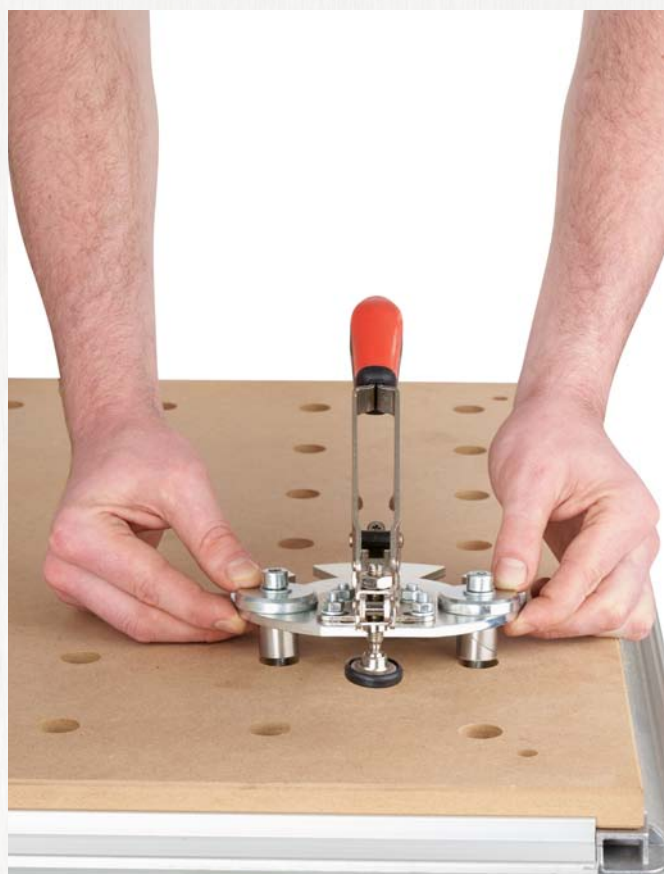
CAD



Application examples:



Subject to technical alterations.



Subject to technical alterations.

No. 6878B

Mounting kit

For adapter plates 6878AE and 6878AR.

NEW!



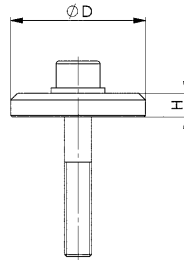
Order no.	Size	Weight [g]
564136	M5	4
564137	M6	6
564138	M8	9

No. 6878S

Mounting kit, disc

For adapter plate round 6878AR.

NEW!



Order no.	Size	Cylinder screw ISO 4762	D	H	Weight [g]
564139	1	M8 x 50	40	7	100

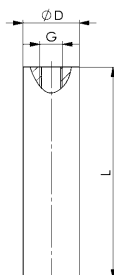
No. 6877

Adapter for perforated tables Ø 19 mm

Aluminium.

Adapter for fastening the auto-adjust toggle clamps on perforated tables.

Fastening the adapter onto the toggle clamps by a screw and hole at the foot of the toggle clamp.



Order no.	Size	dia. D	L	G	Weight [g]
558988	1	19	76,0	M8	60
558989	2	19	190,5	M8	150

CAD



Subject to technical alterations.

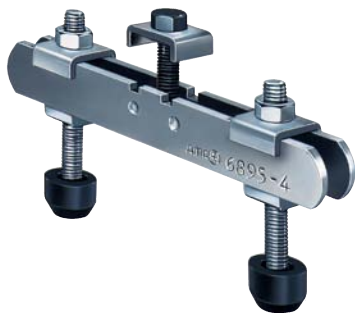


Subject to technical alterations.

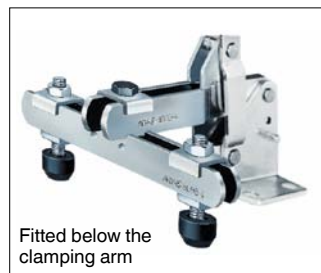
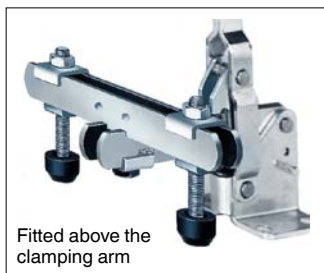
No. 6895

Supporting arm for toggle clamps

Galvanized and passivated, complete with two tempered clamping screws no. 6890 and fastening screw.



Order no.	Size	Screw DIN 933	Distance between screws	Length	Weight
				[mm]	[g]
99507	0	M 4x25	18- 60	70	40
99515	1	M 5x30	22- 72	85	65
99523	2	M 6x35	28- 85	100	90
99531	3	M 8x45	34-100	120	200
99549	4	M 8x65	40-125	150	370
99572	5	M 8x65	40-125	150	370
99564	6	M12x80	54-200	240	985



Application possibilities, in relation to toggle clamp size:

Article no. of toggle clamps	Size of supporting arm						
	0	1	2	3	4	5	6
6800	0	1	2	3	4	-	5+6
6800S/6802S	-	-	2	3	4	-	-
6802	-	1	2	3	4	-	-
6803	-	1	2	3	4	-	-
6803S	-	-	1	3	4	-	-
6820P	0	1	2	3	-	-	-
6830/6832	0	1	2	3	4	5	-
6830S/6832S	-	-	-	3	4	-	-
6833	-	1	2	3	4	-	-

CAD



No. 6820SIS

Proximity switch



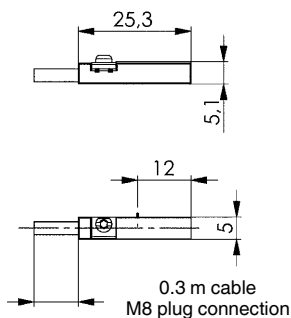
Order no.	Cable length	Weight
	[m]	[g]
392241	0,3	15

Application:

Proximity switch for end-position sensing.

Note:

PUR cable 0.3 m with M8 plug connection and rotating knurled nuts.
Switching function: NOC.
Output: PNP.



Subject to technical alterations.

No. 6848GH

Counter catch

for no. 6848H.
Galvanized and passivated.

Order no.	Size	F	dia. G	H	H1	K	L	N	Weight [g]
94821	2	11	5,2	12	18	8	26	18	16
94839	3	14	6,5	19	28	12	39	23	44
94847	4	19	8,5	26	38	17	56	30	108



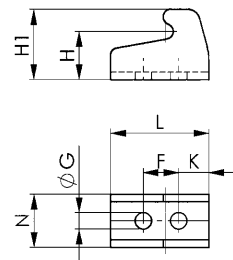
No. 6848GHNI

Counter catch

for no. 6848HNI.
Polished stainless steel.



Order no.	Size	F	dia. G	H	H1	K	L	N	Weight [g]
95638	2	11	5,2	12	18	8	26	18	16
95646	3	14	6,5	19	28	12	39	23	44
95653	4	19	8,5	26	38	17	56	30	108



No. 6848GV

Counter catch

for no. 6848V.
Galvanized and passivated.

Order no.	Size	F	dia. G	H	H1	K	L	N	Weight [g]
94854	2	11	5,2	5	12	5	26	18	14
94862	3	14	6,5	6	16	7	36	23	30
94870	4	19	8,5	8	22	9	48	30	66



No. 6848GVNI

Counter catch

for no. 6848VNI.
Polished stainless steel.



Order no.	Size	F	dia. G	H	H1	K	L	N	Weight [g]
95661	2	11	5,2	5	12	5	26	18	14
95679	3	14	6,5	6	16	7	36	23	30
95687	4	19	8,5	8	22	9	48	30	66

