

ESD TOGGLE CLAMPS

The ESD toggle clamps from AMF have been specially developed for working with electrostatically sensitive components, assemblies or devices in ESD protection zones (EPA) in accordance with the standard DIN EN 61340-5-1. All ESD toggle clamps from AMF have been tested and certified by an independent expert regarding leakage resistance, discharge time and surface tension.

The features at a glance:

- > Leakage resistance according to DIN IEC / TR 61340-5-2 between 10^{04} and 10^{09} Ohm
- > Discharge time according to DIN IEC/TR 61340-5-2 < 2 seconds
- > Surface tension (electric field strength) according to DIN EN 61340-5-1 < 100 Volt



No. 6800ESD

ESD vertical toggle clamp

With protective cap and handle made of electrostatic conductive (dissipative) material.

With open clamping arm and horizontal base.

Galvanised and passivated. Rivets made of stainless steel, which, for sizes 2 and 3, run in hardened bushings. Bearing positions are greased.

Ergonomic, oil-resistant handle with large grip surface and soft components. Safety clamping piece with finger protection, retainer for the clamping screw at the end of the clamping arm.

Complete with tempered, galvanised clamping screw No. 6890ESD.



NEW!



Order no.	Size	F1 [kN]	F2 [kN]	Clamping screw	Weight [g]
562483	0	0,5	0,7	M4 x 25	60
562484	1	0,6	1,1	M5 x 30	105
562486	2	0,8	1,2	M6 x 35	175
562487	3	1,2	2,5	M8 x 45	410

Application:

The ESD toggle clamp has been specially developed for use in ESD protection zones (EPA – electrostatic protected area) for working on electrostatically sensitive components, assemblies or devices in accordance with the standard DIN EN 61340-5-1.

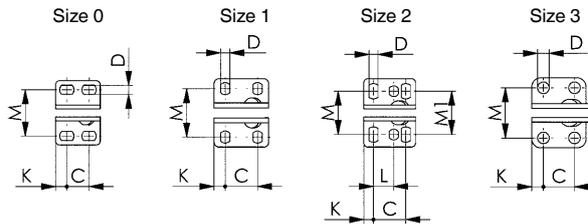
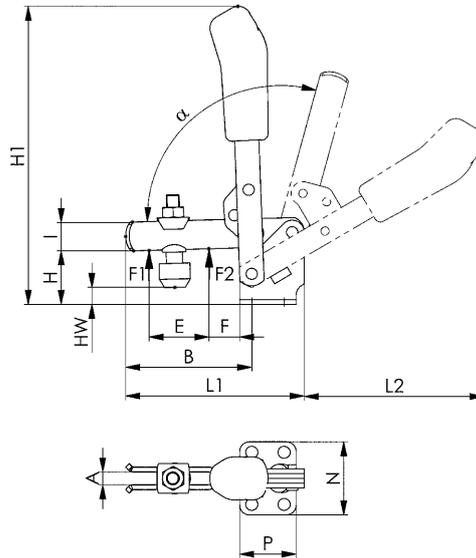
Features:

- Leakage resistance according to DIN IEC/TR 61340-5-2 between 10^{04} and 10^{09} Ohm
- Discharge time according to DIN IEC/TR 61340-5-2 < 2 Sekunden
- Surface tension (electric field strength) according to DIN EN 61340-5-1 < 100 Volt

Note:

The ESD vertical toggle clamp is non-insulating. It must not be used in areas where open voltages are used.

For further technical information please request the data sheet.



Recommendations



No. 6890ESD,
page 114

Dimensions:

Order no.	Size	A	B	C	D	E	F	H	H1	HW min.	HW max.	I	K	L	L1	L2	M	M1	N	P	α	α^*
562483	0	4	31	8,5 - 13,5	4,5	14	5,0	18	81	-1,5	3,5	8	5,5	-	49	50	23,0	-	32	22	95°	-
562484	1	5	39	16,0	4,5	18	6,0	19	98	-4,0	2,0	10	5,5	-	61	58	22,5 - 26,0	-	34	27	95°	-
562486	2	6	52	20,0	5,5	25	11,0	23	140	-3,0	4,5	12	6,0	12,5	78	89	23,0 - 31,0	27	43	32	105°	60°
562487	3	8	79	20,0	7,5	37	19,0	33	186	2,0	11,0	18	7,5	-	112	112	32,5	-	46	35	105°	60°

Subject to technical alterations.

No. 6830ESD

ESD horizontal toggle clamp

With protective cap and handle made of electrostatic conductive (dissipative) material.

With open clamping arm and horizontal base.

Galvanised and passivated. Rivets made of stainless steel, which, for sizes 2 and 3, run in hardened bushings. Bearing positions are greased.

Ergonomic, oil-resistant handle with large grip surface and soft components. Retainer for the clamping screw at the end of the clamp arm.

Complete with tempered, galvanised clamping screw No. 6890ESD.



NEW!



Order no.	Size	F1 [kN]	F2 [kN]	Clamping screw	Weight [g]
562488	0	0,25	0,4	M4 x 25	35
562489	1	0,8	1,1	M5 x 30	105
562490	2	1,0	1,2	M6 x 35	185
562491	3	1,8	2,5	M8 x 45	320

Application:

The ESD horizontal toggle clamp has been specially developed for use in ESD protection zones (EPA – electrostatic protected area) for working on electrostatically sensitive components, assemblies or devices in accordance with the standard DIN EN 61340-5-1.

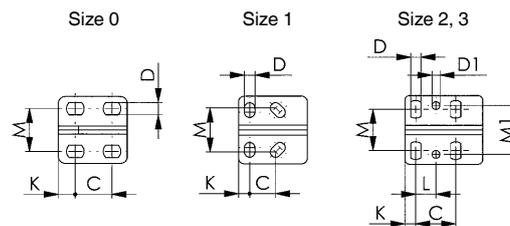
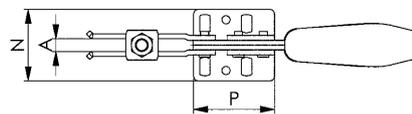
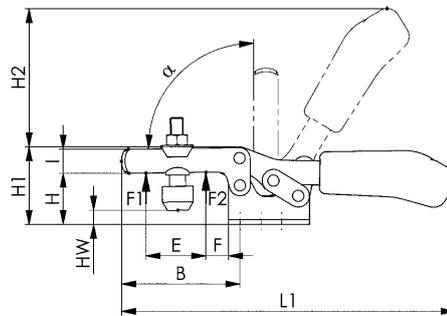
Features:

- Leakage resistance according to DIN IEC/TR 61340-5-2 between 10^{04} and 10^{09} Ohm
- Discharge time according to DIN IEC/TR 61340-5-2 < 2 Sekunden
- Surface tension (electric field strength) according to DIN EN 61340-5-1 < 100 Volt

Note:

The ESD horizontal toggle clamp is non-insulating. It must not be used in areas where open voltages are used.

For further technical information please request the data sheet.



Recommendations



No. 6890ESD,
page 114

Dimensions:

Order no.	Size	A	B	C	D	D1	E	F	H	H1	H2	HW min.	HW max.	I	K	L	L1	M	M1	N	P	α
562488	0	4	28	11,5 - 15,5	4,6	-	9,0	5,5	41,5	23,0	34	-5,5	0,0	7,5	6,3	-	79	16,0	-	25,0	25,5	90°
562489	1	5	42	13,0 - 14,5	5,2	-	18,7	8,0	19,0	30,0	49	-3,0	2,5	10,0	5,5	-	120	18,0 - 21,5	-	34,0	34,0	90°
562490	2	6	64	26,0	5,6	5,6	32,0	16,0	24,0	45,0	68	-1,5	5,0	13,2	6,0	12,7	162	19,5 - 29,5	28,5	42,0	38,0	90°
562491	3	8	73	25,7	6,5	5,1	38,0	14,0	32,0	48,5	86	-2,0	9,0	15,0	7,0	13,0	206	22,0 - 31,8	31,6	45,5	50,0	90°

Subject to technical alterations.

No. 6840ESD

ESD push-pull type toggle clamp

With protective cap and handle made of electrostatic conductive (dissipative) material.

Without angle base. Push and pull-clamping (Equal operation of rod and lever). Long rod-guide with attaching thread and nut. Galvanised and passivated. Rivets made of stainless steel, which, for sizes 2 and 3, run in hardened bushings. Lever-parts and push-pull type toggle clamp made of tempered steel. Bearing positions are greased. Push-pull toggle clamp with threaded front for direct mounting in vertical metal plates or in fixtures.

Ergonomic, oil-resistant handle with large grip surface and soft components.

Complete with tempered, galvanised clamping screw
No. 6880ESD.



NEW!



Order no.	Size	F1 [kN]	F2 [kN]	Clamping screw	Weight [g]
562492	0	0,8	0,8	M4 x 20	60
562493	1	1,0	1,0	M4 x 20	100
562494	2	2,0	2,0	M6 x 25	245
562495	3	2,5	2,5	M8 x 35	330

Application:

The ESD push-pull type toggle clamp has been specially developed for use in ESD protection zones (EPA – electrostatic protected area) for working on electrostatically sensitive components, assemblies or devices in accordance with the standard DIN EN 61340-5-1.

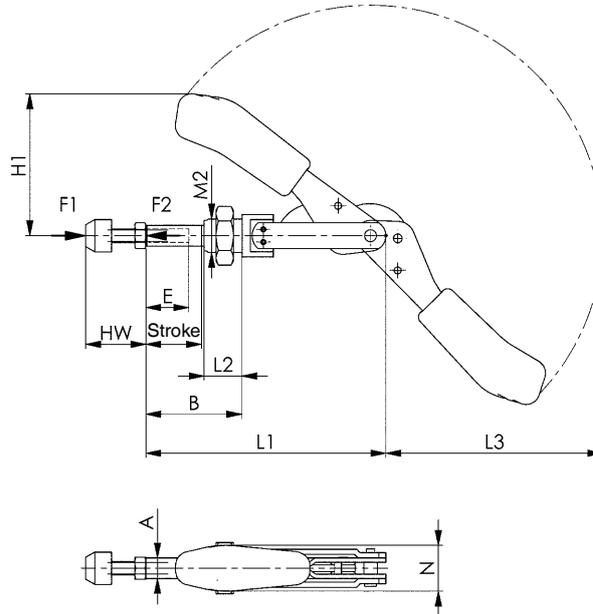
Features:

- Leakage resistance according to DIN IEC/TR 61340-5-2 between 10^{04} and 10^{09} Ohm
- Discharge time according to DIN IEC/TR 61340-5-2 < 2 seconds
- Surface tension (electric field strength) according to DIN EN 61340-5-1 < 100 Volt

Note:

The ESD push-pull type toggle clamp is non-insulating. It must not be used in areas where open voltages are used.

For further technical information please request the data sheet.



Recommendations



No. 6843,
page 50



No. 6880ESD,
page 114

Dimensions:

Order no.	Size	A	B min.	B max.	E	H1	Stroke	HW min.	HW max.	L1	L2	L3	M2	N
562492	0	6,5	10,5	26,5	13	37,0	16	12	20	66,5	10	54	M10 x 1,0	15
562493	1	8,0	17,5	37,5	20	45,5	20	12	20	91,0	16	74	M12 x 1,5	18
562494	2	10,0	20,0	46,0	20	66,0	26	17	25	114,0	19	105	M16 x 1,5	22
562495	3	12,0	24,0	56,0	30	82,5	32	22	35	140,0	22	127	M20 x 1,5	27

Subject to technical alterations.

No. 6844ESD

ESD push-pull type toggle clamp

With protective cap and handle made of electrostatic conductive (dissipative) material.

short version. For push and pull-clamping. Long rod-guide with attaching thread and nut.

Galvanised and passivated. Piston rod is made of non-rusting steel. Shoulder screws tempered. Bearing positions are greased. Ergonomic, oil-resistant handle with large grip surface and soft components.

Complete with tempered, galvanised clamping screw No. 6880ESD.



NEW!



Order no.	Size	F1 [kN]	F2 [kN]	Clamping screw	Weight [g]
562496	2	1,0	1,0	M6 x 25	130
562497	3	2,5	2,5	M8 x 35	320

Application:

The ESD push-pull type toggle clamp has been specially developed for use in ESD protection zones (EPA – electrostatic protected area) for working on electrostatically sensitive components, assemblies or devices in accordance with the standard DIN EN 61340-5-1.

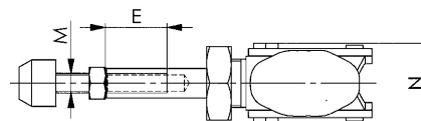
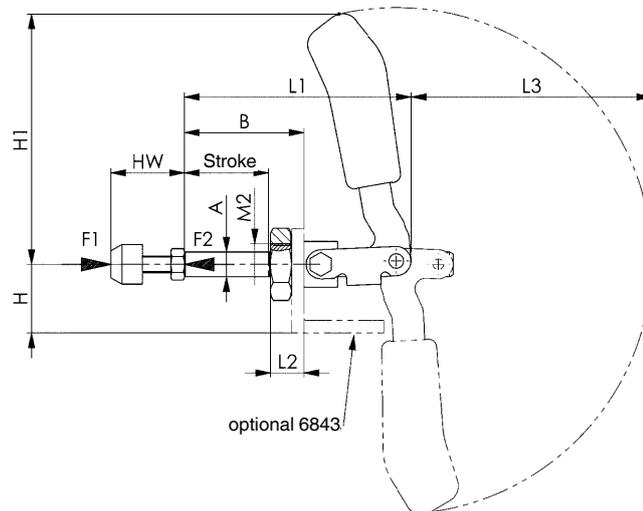
Features:

- Leakage resistance according to DIN IEC/TR 61340-5-2 between 10^{04} and 10^{09} Ohm
- Discharge time according to DIN IEC/TR 61340-5-2 < 2 Sekunden
- Surface tension (electric field strength) according to DIN EN 61340-5-1 < 100 Volt

Note:

The ESD push-pull type toggle clamp is non-insulating. It must not be used in areas where open voltages are used.

For further technical information please request the data sheet.



Recommendations



No. 6843,
page 50



No. 6880ESD,
page 114

Dimensions:

Order no.	Size	A	B	E	H	H1	Stroke	HW min.	HW max.	L1	L2	L3	M	M2	N
562496	2	10	36	15	24	73	24,5	17	25	68,5	13	68	M6	M16 x 1,5	30,5
562497	3	12	57	25	33	123	40,0	22	35	108,0	16	115	M8	M20 x 1,5	33,0

Subject to technical alterations.