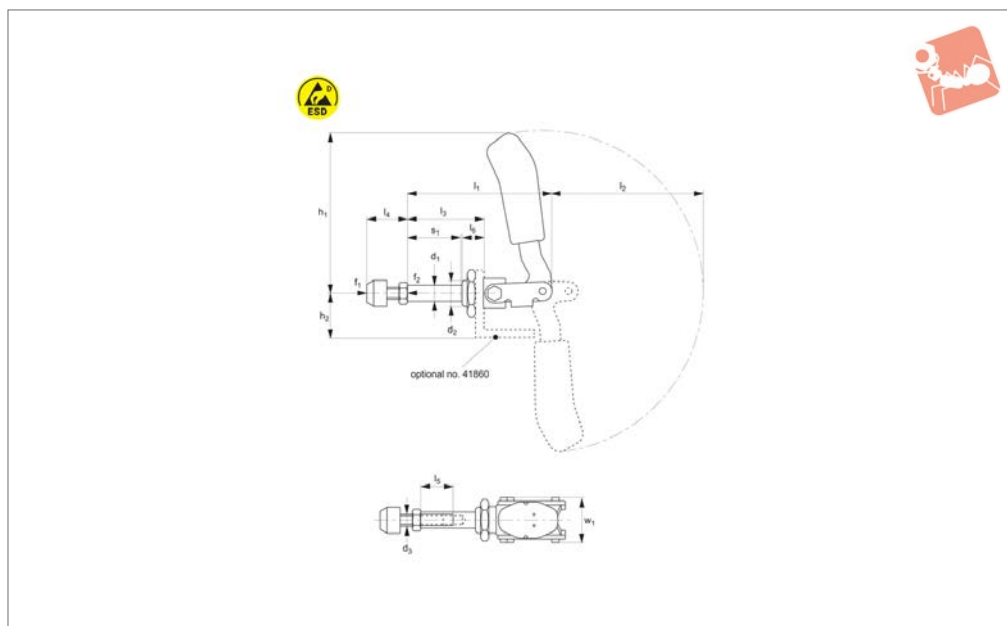




# Push-Pull Toggle Clamps

## ESD - compact version



**41840.3**

ESD TOGGLE CLAMPS

### Material

Body: steel, zinc-plated.  
Piston rod: non-rusting steel.  
Shoulder screws: steel, tempered. Bearing positions are greased.  
Long rod-guide with attaching thread and nut.

With protective cap and handle made of electrostatic conductive (dissipative) material. The handle is ergonomic, soft feel, oil-resistant and with large grip area. Complete with zinc plated and tempered clamping screw no. 45020.W0301- .W0303.

### Technical Notes

Temperature range -10°C to +80°C.  
**The ESD (electrostatically sensitive devices) push-pull type toggle clamp is non-insulating. It must not be used in areas where open voltages are used.**

Order No.	Size	$F_1$ kN	$F_2$ kN	$h_1$	$h_2$	$l_1$	$l_2$	$l_3$	$l_4$ min.	Weight g
41840.W0202	2	1.0	1.0	73	24	68.5	68	36	17	130
41840.W0203	3	2.5	2.5	123	33	108.0	115	57	22	320

Order No.	$l_4$ max.	$l_5$	$l_6$	$d_1$	$d_2$	$d_3$	$w_1$	Stroke $s_1$	Clamping screw
41840.W0202	25	15	13	10	M16x1,5	M 6	30.5	24.5	M 6x25
41840.W0203	35	25	16	12	M20x1,5	M 8	33.0	40.0	M 8x35



The ESD toggle clamps 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 our toggle clamps have been tested and certified by an independent expert regarding leakage resistance, discharge time and surface tension.

### 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.

