

ACT-MLC Multi-Line Clamps with Anti-Corrosion Technology

The ACT-MLC series represents the latest development in STAUFF's Anti-Corrosion Technology (ACT) clamp portfolio. Specifically engineered for the parallel installation of multiple pipes in instrumentation and hydraulic systems, ACT-MLC clamps combine a space-saving multi-line design with enhanced corrosion protection proven in long-term field use of the design and laboratory testing.

Like regular single and twin clamps in the ACT range, ACT-MLC clamps feature integrated elastomer strips within the clamp insert to prevent the ingress and accumulation of seawater between the clamp and pipe surface. This eliminates one of the primary causes of crevice corrosion in stainless steel tubing, extending the service life of critical components in marine, offshore, and aggressive industrial environments.



ACT-MLC-05B-ILGIL-W504

Each clamp consists of

- ① Multiple flame-retardant Polypropylene PP-V0 inserts ④ with integrated ACT elastomer strips
- ② Stainless steel V4A rails ① in a perforated C-shape for mechanical strength and alignment
- ③ Set with hammer-head bolts, sleeves and plugs ②, enabling proper compression force and allowing secure installation into standard field trays and cable ladders with various perforation patterns

Components

- ① RAIL-ACT-MLC-L05-140-W5
- ② Sleeve-ACT-MLC-HKS-SA64-W5-A
(consisting of Sleeve, Plugs and Hammer-Head Bolt)
- ③ INSERT-12.7-ACT-MLC
- ④ WASHER-DIN9021-6.4-W5
- ⑤ MUS-HKS-M6-W55
- ⑥ LABEL-L-ACT-MLC
(for marking the 'left' side of pre-assembled clamps)
- ⑦ Pipes ØD1

Designation

Designation	Dimensions mm D1	Code for D1 pipe diameter read from left to right
ACT-MLC-03B-GGG-W504	6,4	G
ACT-MLC-03B-III-W504	9,5	I
ACT-MLC-03B-LLL-W504	12,7	L
ACT-MLC-05B-GGGGG-W504	6,4	G
ACT-MLC-05B-IIIIII-W504	9,5	I
ACT-MLC-05B-LLLLL-W504	12,7	L
ACT-MLC-10C-GGGGGGGGGG-W504	6,4	G
ACT-MLC-10C-IIIIIIIIII-W504	9,5	I
ACT-MLC-10C-LLLLLLLLLL-W504	12,7	L

03B:	03 = Number of pipe supports ④	B= 2x ②, ⑤, ⑥, ⑦ and 4x ③
05B:	05 = Number of pipe supports ④	B= 2x ②, ⑤, ⑥, ⑦ and 4x ③
10C:	10 = Number of pipe supports ④	C= 3x ②, ⑤, ⑥, ⑦ and 6x ③

The ACT-MLC concept is patent pending and has undergone cyclic salt spray testing in accordance with internationally industry standards. These tests confirmed no corrosion on the pipe surfaces after extended exposure. It is fully compliant with specification S-716 of the Joint Industry Programme JIP 33 and the Norwegian offshore standard NORSOK Z-010.

ACT-MLC clamps are initially available for pipe diameters of 6,4 mm (¼ in), 9,5 mm (⅜ in), and 12,7 mm (½ in). They are installed in common cable tray systems. Even vertical and overhead mounting is possible without any problems.



ACT-MLC-10C-ILGILILGIL-W504