



FMS TECHNICAL DATASHEET

Edition	Magnum
Feed	Front-feed
Feed system	Manual slide
Working height	135.8 ±0.02 mm (5.35 in)
Stroke	30/40 mm (1.57 in)
Cable cross-section	Max 16 mm ² (5 AWG)
Terminal pitch	Loose terminal
Terminal thickness	Max 1.5 mm (0.059 in)
Height regulation system	Continuously adjustable ring
Adjustment range	2.7 mm (0.106 in)
Resolution	0.01 mm (0.00039 in)
Feed speed adjustment	not available
Weight	6 Kg (13.2 lb)
Dimensions [LxPxH]	130 x 160 x 150 mm (5.1 x 6.3 x 5.9 in)
Operating pressure	not available
Air consumption	not available
Compatibility with Mecal Crimping machines	P107c – P020i – P040 – P040i – P080 – P080i – P150i

DESCRIPTION

Magnum FMS applicators are manual slide-feed tools designed for crimping terminals onto wires. They are compatible with a wide range of wire cross-sections up to 16 mm² (5 AWG) and terminals with material thickness up to 1.5 mm (0.059 in).

The applicator body is made of cast iron and features a customizable front configuration. The crimping dies are front-mounted, ensuring easy access and quick replacement of wear parts.

The applicator is equipped with a stepless crimp height adjustment ring, offering a resolution of 0.02 mm (0.00079 in) and an adjustment range of 2.7 mm (0.106 in). Alternatively, a fixed-step adjustment ring can be supplied, configured according to the specific terminal requirements.

Terminal feeding is performed manually via an extractable slide, simplifying terminal positioning on the crimping dies and ensuring proper alignment during processing.

In addition, the applicator includes a non-resettable seven-digit mechanical counter, enabling monitoring of the total number of crimping cycles and facilitating preventive maintenance of wear components.

The product is supplied with digital documentation available for download from a dedicated cloud platform. The package includes the user manual, datasheet (containing model, serial number and measured test data), bill of materials, exploded view drawing and certification. Upon request, an in-depth crimping study can be provided, including capability testing and micrographs of crimped terminal cross-sections. All documentation can also be supplied in printed format together with the applicator.