MRDP Applicator



MRDP

TECHNICAL DATASHEET

Edition	Restyling
Feed	Right-side feed
Feed system	Pneumatic
Working height	135.8 ±0.02 mm (5.35 in)
Stroke	30 / 40 mm (1.18 / 1.57 in)
Cable cross-section	Max 10 mm² (7 AWG)
Terminal pitch	Max 38 mm (1.5 in)
Terminal thickness	Max 1.2 mm (0.047 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	Pneumatic flow regulator
Weight	4.1 Kg (9 lb)
Dimensions [LxPxH]	155 x 110 x 150 mm (6.1 x 4.3 x 5.9 in)
Operating pressure	6 Bar (87 psi)
Air consumption	0.32 Nl/cycle
Compatibility with Mecal Crimping machines	TT – P107c – P020i – P040 – P040i – P080 – P080i

DESCRIPTION

MRDP applicators are pneumatic precision tools designed for crimping terminals onto wires. They are compatible with a wide range of wire cross-sections up to 10 mm² (7 AWG) and terminals with material thickness up to 1.2 mm (0.047 in) and pitch up to 38 mm (1.5 in).

The applicator body is made of cast iron and features a customizable right-side plate. 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 0.01 mm (0.00039 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 requirements of the terminal to be crimped.

Terminal feeding is driven by a pneumatic system, providing improved positioning accuracy on the crimping dies and allowing an extended feed pitch range.

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 test data), bill of materials, exploded view drawing and certification. Upon request, an in-depth crimping study can be provided, including capability tests and micrographs of crimped terminal cross-sections. All documentation can also be supplied in printed format together with the applicator.

Mecal S.r.l. reserves the right to modify the characteristics of the product described in this datasheet without notice.

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