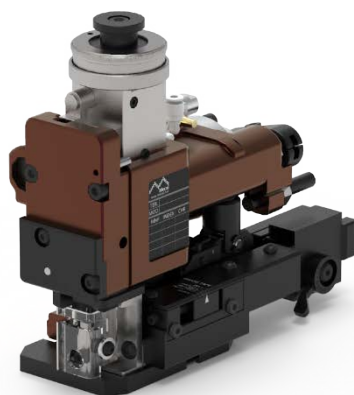




## MRFPS TECHNICAL DATASHEET

|                                            |                                                                      |
|--------------------------------------------|----------------------------------------------------------------------|
| Edition                                    | Splicing                                                             |
| Feed                                       | Front-feed                                                           |
| Feed system                                | Pneumatic                                                            |
| Working height                             | 135.8 ±0.02 mm (5.35 in)                                             |
| Stroke                                     | 40 mm (1.57 in)                                                      |
| Cable cross-section                        | Min 0.06 mm <sup>2</sup> (29 AWG)<br>Max 6.6 mm <sup>2</sup> (9 AWG) |
| Terminal pitch                             | Min 4.1 mm (0.16 in)<br>Max 14.4 mm (0.57 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                                 | 0.02 mm (0.00079 in)                                                 |
| Feed speed adjustment                      | Pneumatic flow regulator                                             |
| Weight                                     | 4.5 Kg (9.9 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                            | 0.38 NI/cycle                                                        |
| Compatibility with Mecal Crimping machines | P107c – P020i – P040 – P040i – P080 – P080i                          |

### DESCRIPTION

MRFPS Splicing applicators are designed to manually process a continuous metal strip wound on a reel, performing feeding, cutting, pre-forming and crimping in a single press cycle on multiple wires or electronic components. They are compatible with wire cross-sections ranging from 0.06 mm<sup>2</sup> (29 AWG) to 6.6 mm<sup>2</sup> (9 AWG). The continuous strip, available in widths of 2 mm, 4 mm and 6 mm (0.08 in, 0.16 in and 0.24 in), is suitable for crimping applications in various terminal configurations.

The applicator features a modular design that allows quick part replacement. To process different wire cross-sections, only the dedicated conversion kit needs to be replaced, without changing all individual system components. The adjustment ring provides a 2.7 mm (0.106 in) adjustment range with a resolution of 0.02 mm (0.00079 in), enabling fast and straightforward setup. Strip feeding is pneumatically driven, with front access for pitch adjustment.

The crimping press working height is 135.8 mm, with a standard mounting interface.

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 tests and micrographs of crimped terminal cross-sections. All documentation can also be supplied in printed format together with the applicator.