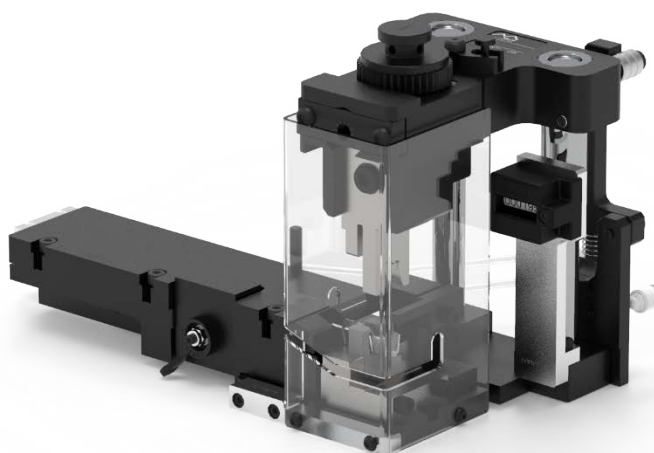




TSP Splice TECHNICAL DATASHEET

Edition	Magnum Tough Splice
Feed	Left-side feed
Feed system	Pneumatic
Working height	135.8 ±0.02 mm (5.35 in)
Stroke	40 mm (1.57 in)
Cable cross-section	Max 16 mm ² (5 AWG)
Terminal pitch	Max 20 mm (0.59 in)
Terminal thickness	Max 1.5 mm (0.059 in)
Height regulation system	Continuously adjustable ring – J type
Adjustment range	~ 5 mm (0.2 in)
Resolution	0.05 mm (0.002 in)
Feed speed adjustment	Pneumatic flow regulator
Weight	7.6 Kg (16.8 lb)
Dimensions [LxPxH]	315 x 200 x 200 mm (12.4 x 7.9 x 7.9 in)
Operating pressure	6 Bar (87 psi)
Air consumption	0.08 NI/cycle
Compatibility with Mecal Crimping machines	P107c – P020i – P040 – P040i – P080 – P080i – P150i

DESCRIPTION

Magnum TOUGH TSP Splice applicators are designed for crimping splice terminals and joining two or more wires together. They can be used with different wire cross-sections up to 16 mm² (5 AWG), and with terminals featuring material thickness up to 1.5 mm (0.059 in) and pitch up to 20 mm (0.79 in).

The Magnum applicator base and upper plate are made of steel and can be configured with either lateral or front customization, depending on the model. The crimping dies are front-mounted on the base and upper plate, ensuring wide accessibility and easy replacement of wear parts.

The crimp height is 135.8 mm (5.35 in), with a stroke of 40 mm (1.57 in). Crimp height adjustment is stepless, offering a resolution of 0.05 mm (1.97 mil) and an adjustment range of approximately 5 mm (0.2 in).

The TSP Splice model is equipped with a pneumatic slide feeding system for reel-mounted splice terminals, with feed direction from left to right.

The applicator includes a non-resettable seven-digit mechanical counter for monitoring crimping cycles and scheduling maintenance and inspection of wear components.

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