



TFS TECHNICAL DATASHEET

Edition	Magnum Tough
Feed	Front-feed
Feed system	Manual slide
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	Loose terminal
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	not available
Weight	6 Kg (13.2 lb)
Dimensions [LxPxH]	182 x 237 x 200 mm (7.2 x 9.3 x 7.9 in)
Operating pressure	not available
Air consumption	not available
Compatibility with Mecal Crimping machines	P107c – P020i – P040 – P040i – P080 – P080i – P150i

DESCRIPTION

Magnum TOUGH TFS applicators are designed for crimping terminals onto wires. They can be used with a wide range of 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 45 mm (1.77 in).

The applicator structure consists of a steel base and upper plate, featuring a front configuration. The crimping dies are front-mounted on these two components, ensuring easy access and simplified 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 TFS model is equipped with a front manual slide feeding system for loose terminals, ensuring accurate positioning during processing.

The applicator includes a non-resettable seven-digit mechanical counter for monitoring the number of crimping cycles and planning 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 test results), component list, exploded view drawing and certification. Upon request, a detailed crimping study 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.