

PAT Technology - How it works

Modern cartridge tools are designated as low velocity, indirect acting. This means that once the explosive cartridge is detonated, the energy produced drives a captive piston forward which in turn, drives the fastener into the substrate.

The tool will not operate until actuation pressure is applied. To actuate the tool, 17kg of pressure needs to be applied by pressing the nosepiece, this then allows the trigger to be pulled detonating the cartridge.



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Spit Cartridges

Spit offers a range of calibrated cartridges to meet specific needs. A wide range of cartridge strengths available allow successful fixings to a variety of base materials. Pins are driven into the substrate by a piston using an explosive cartridge. Always use the lowest level of power to achieve an acceptable fix.

Steel & Concrete Selection Guide - Cordless Powder Actuated Tools

	 <p>Spitfire P370 & P370E Masons & Electricians Eurocode: P370: 011070 / 011071 P370E: 011077</p> <p>Pages 78 - 79</p>	 <p>Spitfire P560 Roofing Eurocode: 013891</p> <p>Pages 84 - 85</p>	 <p>Spitfire P525L Roofing Eurocode: 010301</p> <p>Page 86</p>
Weight (kg)	2.7 (Single Shot) 2.8 (Magazine) 	3.7 (Single Shot) 4.2 (Magazine) 	9.0 
Impact force (J)	350	520	520
Energy	Loads 6.3/10 brown, green, yellow or red	Loads 6.3/16 green yellow, blue, red	Loads 6.3/16 green yellow, blue, red or black
Fixing Type	Collated pins - C9, SC9 Single Shot pins (concrete) - C9, CR9 and CR9P Single Shot pins (steel) - SC9, SB9 threaded pins	Pins for structural steel - SBR 14 collated pins, HSBR 14 collated pins	SBR 14 pins in tubes
Power Adjustment	Automatic	Automatic	Automatic
Substrates	Concrete Steel Masonry	Steel	Steel
In Action			