

Powder Actuated Systems



FAST FIXING!

Description

The Ramset™ FrameBoss™ is a fully automatic powder actuated tool, which is capable of fixing 10 pins without the need to reload or cycle the tool. The automatic piston return system and 10 pin magazine allow for faster fixing rates with less effort. The magazine can be adjusted to lock into a number of positions to allow the tool to be used in confined spaces. The FrameBoss™ tool is also supplied with a single shot fastener guide to allow the tool to be used with longer fasteners and assemblies such as brackets and clips. With a huge 380 Joules of impact energy coupled with power adjustment, the tool can be used in a wide variety of applications e.g. Timber framing, formwork and the fixing of steel track. FrameBoss™ is designed to save you time and money.

Specification

Model	FRAMEBOSS	FRAMEBOSS75
Weight	3.0 kg (3.2 kg with mag.)	3.7 kg (3.99 kg with mag.)
Impact Force	380J	380J
Fixing Capacity:		
Timber to Concrete	50mm	75mm
Timber to Steel	50mm	50mm
Metal to Concrete	3mm	3mm
Metal to Steel	3mm	3mm
Pin Capacity (Single shot)	up to 75mm	up to 100mm
Pin Capacity (Magazine)	up to 60mm	up to 75mm
Overall Length	490mm	525mm
Substrates	Concrete, Steel, Masonary	Concrete, Steel, Masonary



75mm or 100mm single shot fastener guide included in tool kit, dependent on tool model



Features & Benefits

- Automatic piston return
- No manual cycling required
- Easy to maintain on site
- 10 Pin magazine and single shot fastener guide
- 75mm single shot capacity, 100mm with FRAMEBOSS 75
- 60mm magazine capacity, 75mm with FRAMEBOSS 75
- 380J maximum impact energy
- Power adjustment
- Trigger lock
- Hand guard
- Cushioned rubber grip

Related Products

Power Loads
Drive Pins

Tool Accessories
Drive Pin Accessories

Trades & Applications

	Residential Home Builder	Formwork Contractor	Ceiling & Partitioning Contractor	Bricklayer
Timber to concrete	✓	✓		
Timber to steel	✓	✓		
Sacrificial steel formwork to steel		✓		
Steel track to concrete & steel	✓		✓	
Brick Ties to concrete & steel	✓			✓



Standard Operating Procedure

Always read and understand the instruction manual before attempting to operate a Ramset™ powder actuated tool. Ramset™ also recommends users obtain personal instruction and training from a Ramset™ representative.

1. First cycle the tool and insert the power load strip.
2. Insert the correct fastener or collated fasteners, (without compressing the front of the tool).
3. The tool should then be compressed against the work surface. (Making sure that the tool is perpendicular to the work surface).
4. Once the tool is compressed the trigger is actuated and the fastener is driven through the material being fastened into the substrate.

FrameBoss™

Part No	Description	Order Qty
FRAMEBOSS	FrameBoss™ tool kit 60 mm Magazine	1
FRAMEBOSS75	FrameBoss™ tool kit 75 mm Magazine	1

Kit includes: FrameBoss™ tool, steel tool case, single shot fastener guide, magazine, safety glasses, maintenance kit and instruction manual.



FRAMEBOSS Accessories

Part No	Description	Order Qty
PA37037	Piston	1
010982	Piston Return Spring (x2)	1
010983	Piston Buffer (x2)	1
PA37040	Fastener Guide Assembly	1
PA37038	Magazine Assembly	1
PA9316	PA Lubricating and Release Oil	1
PBT	Drive Pin Removal Tool	1
PA1613	Safety Glasses	1
PA37023	Spall Shield	1
PAWS8	Explosive Tool in Use - Safety Warning Sign	1

FRAMEBOSS75 Accessories

Part No	Description	Order Qty
PA37041	Piston	1
011483	Piston Return Spring (x1)	1
010983	Piston Buffer (x2)	1
PA37063	Fastener Guide Assembly	1
PA37049	Magazine Assembly	1
PA9316	PA Lubricating and Release Oil	1
PBT	Drive Pin Removal Tool	1
PA1613	Safety Glasses	1
PA37023	Spall Shield	1
PAWS8	Explosive Tool in Use - Safety Warning Sign	1

Power Load Strips

Part No	Colour	Strength	Order Qty
PLSGR22	Green	Weak	100
PLSYW22	Yellow	Medium	100
PLSRD22	Red	Strong	100



Standard Collated Drive Pins for Fixing to Concrete and Masonry

Collated Drive Pins designed for use with the FrameBoss™ magazine for fastening to standard strength concrete, masonry and steel up to a maximum of 8mm.

Specifications

Raw Material	Carbon Steel (Plastic Collation)
Corrosion Protection	Zinc Electroplated (Minimum coating 7µm)
Nominal Head Diameter	8.8mm
Nominal Shank Diameter	3.7mm
Shear Strength	1120N/mm ²
Tensile Strength	1800N/mm ²
Hardness	50 -55HR _C



Part No	Drive Pin Length	Max Fixture (thickness to steel)	Max Fixture (thickness to concrete)	Order Qty
C925C	25mm	12mm	2mm	500
C930C	30mm	18mm	5mm	500
C940C	40mm	30mm	15mm	300
C950C	50mm	35mm	25mm	300
C960C	60mm	45mm	35mm	300
C975C	75mm	60mm	50mm	300

Collated Pins for Fixing to Structural Steel and Hard Concrete

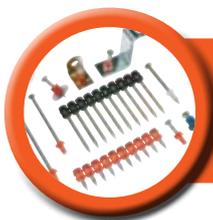
The Ramset™ range of Premium Collated Drive Pins is designed for use with the FrameBoss™ magazine for fastening to steel and hard concrete applications. The design of these drive pins allows them to penetrate hard materials with less power while the strengthened shank greatly reduces the possibility of column collapse.

Specifications

Raw Material	Carbon Steel (Plastic Collation)
Corrosion Protection	Zinc Electroplated (Minimum coating 7µm)
Nominal Head Diameter	8.8mm
Nominal Shank Diameter	4.0mm / 3.7mm
Shear Strength	1240N/mm ²
Tensile Strength	2000N/mm ²
Hardness	54 -58HR _C



Part No	Drive Pin Length	Max Fixture (thickness to steel)	Max Fixture (thickness to concrete)	Order Qty
SC925C	25mm	12mm	2mm	500
SC930C	30mm	18mm	5mm	500
SC940C	40mm	30mm	15mm	300
SC950C	50mm	35mm	25mm	300
SC960C	60mm	45mm	35mm	300



*Refer to page 56 for more fasteners that are suitable for use with the FrameBoss™ Tool

Ramset™ recommends application test on-site before commencing use.



Powder Actuated Systems

Description

The Ramset™ InsulFast™ adaptor kit transforms the FrameBoss™ tool into a specialist insulation fixing tool with automatic piston return. The FrameBoss™ tool in this configuration is capable of fastening insulation from 40mm to 120mm without compression. (This adaptor is not compatible with the FRAMEBOSS75 model tool)

Accessories

Part No	Description	Order Qty
PA11030	InsulFast™ adaptor kit includes Fastener Guide Assembly, Piston and Piston Return Spring	1
011031	Piston - includes Piston Return Spring	1
011032	Piston Return Spring x 2	1

Fastener Specification

Fastener Body Material	High Density Polyethylene (HDPE)
Holding Diameter	60 mm (90 mm for CI960)
Lengths Available	50 mm to 120 mm
Drive Pin Material	Carbon Steel
Drive Pin Plating	Electroplated Zinc
Drive Pin Shear Strength (Ultimate)	12.0 kN



Technical Load Data

Part No.	Concrete Strength	Tensile Working Load Limit WLL
CI960	25 – 45 MPa	0.30 kN
CI670	25 – 45 MPa	0.30 kN
CI6100	25 – 45 MPa	0.30 kN
CI6120*	25 – 45 MPa	0.30 kN

The recommended loads (kN) are calculated from the mean ultimate load and a factor of safety higher than 4.

A minimum of 4 fixings per fastened unit are required.

* Available upon request.



Insulation Fasteners for Concrete, Masonry and Steel

Part No.	Rigid Insulation	Soft Insulation	Fastener Colour	Order Qty
	Thickness	Thickness		
CI960	60mm	60 mm – 65mm	Black	100
CI670	70mm	70 mm – 75mm	Natural (White)	200
CI6100	100mm	100mm – 110mm	Natural (White)	100
CI6120*	120mm	120mm – 130mm	Natural (White)	100

* Available upon request.

Ramset™ recommends application test on-site before commencing use.