

# Building Product Information Sheet

## Class 1

**Product Name:**

PX Collated Drive Pin

**Date of Report:**

04 / 10 / 2023

**Product Line:**

ICCONS Nailing Systems - Powder Actuated

**Product Description and its intended use:**

ICCONS Collated Drive Pins are designed for use with most standard magazine equip Powder Actuated tools. These drive pins are ideal for fastening to concrete, masonry and steel. Collated nails enable the operator to fire more rapidly, drastically reducing install time when compared to single shot alternatives.

**Key technical specifications:**

- Product type: Drive Pin
- ICCONS PX Tools compatible: PX60M
- Powers PA Tools compatible: P3X
- Hilti DX Tools compatible: DX351 MX, DX460 MX 72, DX462 HM

**Product Identifier**

PX Drive Pins

**Place of Manufacture:**

Overseas

**Manufacturer:**

ICCONS PTY LTD

**Importer:**

Sesto Fasteners Limited

Address: 5e Piermark Drive  
Rosedale, Auckland  
Postcode: 0632  
Website: [www.sestofasteners.co.nz](http://www.sestofasteners.co.nz)  
Email: [orders@sestofasteners.co.nz](mailto:orders@sestofasteners.co.nz)  
Phone: +64 94158564  
NZBN: 9429041704103

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## Relevant Building Code Clauses:

- B1 Structure: Performance clauses B1.1, B1.2, B1.3.1, B1.3.2, B1.3.3, B1.3.4
- B2 Durability: Performance clauses B2.2
- F2 Hazardous Building Materials: Performance clause F2.3.1

## Statement on how the building product is expected to contribute to compliance:

- B1 Structure: clauses B1.1, B1.2, B1.3.1, B1.3.2, B1.3.3, B1.3.4:

- ICCONS PX Collated Drive Pins have been tested for ultimate load capacity in 20 MPa concrete and for recommended load data in steel (G250). Tensile capacity, shear capacity and concrete embedment values vary based on part number. Refer to document 'PXC Collated Drive Pins Technical Bulletin' to see specific values per part, available in the link below:

[https://sestofasteners.co.nz/products/px-collated-drive-pin?\\_pos=1&\\_sid=6918b69cd&\\_ss=r](https://sestofasteners.co.nz/products/px-collated-drive-pin?_pos=1&_sid=6918b69cd&_ss=r)

- ICCONS PX range of Low Velocity Powder Actuated pins have been specially designed to perform well in a wide variety of base materials.

- Designed for use with most standard magazine equip Powder Actuated tools. Ideal for fastening to concrete, masonry and steel.
- Collated nails enable the operator to fire more rapidly, drastically reducing install time when compared to single shot alternatives.
- Suitable for ICCONS PX60M (magazine), also suits most brands with magazine attachment, suitable for 8mm barrel.
- Refer to document 'PXC Collated Drive Pins Technical Bulletin' for specific values per part, available in the link below:  
[https://sestofasteners.co.nz/products/px-collated-drive-pin?\\_pos=1&\\_sid=6918b69cd&\\_ss=r](https://sestofasteners.co.nz/products/px-collated-drive-pin?_pos=1&_sid=6918b69cd&_ss=r)

- B2 Durability: Performance clauses B2.2

- A high steel hardness, optimum shank profile and engineered tips work together to achieve a secure and reliable penetration into the hardest Concrete and Steel.

- Nominal Head Diameter: 8.0mm

- Nominal Shank Diameter: 3.8mm

- Coating: Zinc Plating 5-15um

- Application Specific Information: please contact ICCONS technical engineering department for specific design applications.  
[engineering@iccons.com.au](mailto:engineering@iccons.com.au)

- F2 Hazardous Building Materials: Performance clause F2.3.1

- Training, good judgment and care is required when operating nailing equipment.

- Note: SESTO Fasteners does not offer ICCONS powder actuated tools in New Zealand.

- Refer to the tools manufacturer for guidelines, instructions and certifications required for use of powder actuated nailing equipment.

- Refer to the tools manufacturer of your nailing equipment for instruction on safe use of drive pins in the tool being used.

## Limitations on the use of the building product:

- Training, good judgment and care is required when operating nailing equipment.

- Note: SESTO Fasteners does not offer ICCONS powder actuated tools in New Zealand.

- Refer to the tools manufacturer for guidelines, instructions and certifications required for use of powder actuated nailing equipment.

- Refer to the tools manufacturer of your nailing equipment for instruction on safe use of drive pins in the tool being used.

- Data provided in document 'PX Drive Pin Technical Bulletin' subject to note (concrete data): Concrete thickness must be at least 3 times the embedment depth. Load performance presented above are Ultimate loads and a suitable safety factor must be applied.

ICCONS recommend a minimum Safety Factor  $\geq 5$  should be applied for all non-safety critical applications.

- A higher safety factor may be chosen for critical connections. Fixings should be checked for concrete spalling and failed fixings must be replaced in a suitable location.

Data provided in document 'PX Drive Pin Technical Bulletin' subject to note (steel data): For maximum performance, selection of Drive Pin length should allow for the tip to just penetrate the steel thickness. Capacities listed above are allowable working loads and incorporate a factor of safety  $\geq 3$ . Consideration of fixture pull-over and steel profile stiffness should be taken into account when determining load capacities in steel.

- For Applications Specific Design Assistance: please contact ICCONS technical engineering department for specific design applications.  
[engineering@iccons.com.au](mailto:engineering@iccons.com.au)

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## Design requirements that would support the use of the building product:

ICCONS Collated Drive Pins have been designed for use in the following applications:

- Ideal for fast and repetitive installation jobs.
- Ideal for fixing to concrete, masonry and steel.

Features that support use of the building product:

- 10 Collated pins per strip.
- Suitable for many standard magazine equipped Powder Actuated tools
- Collated pins results in faster install times.

## Installation requirements:

- Training, good judgment and care is required when operating nailing equipment.
- Note: SESTO Fasteners does not offer ICCONS powder actuated tools in New Zealand.
- Refer to the tools manufacturer for guidelines, instructions and certifications required for use of powder actuated nailing equipment.
- Refer to the tools manufacturer of your nailing equipment for instruction on safe use of drive pins in the tool being used.

## Maintenance requirements:

N/A. no ongoing maintenance required.

## Is the building product subject to warning or ban under section 26?:

No

