

SPIROL®

PIN INSTALLATION TECHNOLOGY

Model PMX Extra Heavy Duty Manual Pin Inserter

This versatile tool is ideally suited for low to moderate levels of production for assemblies that require installation forces up to 22.2 kN (5,000 lbs). The Model PMX easily accommodates quick change-overs. The fixture is simply replaced at the base of the machine, and the pin diameter is easily changed by switching the pin driving chuck. This extra heavy duty manual pin inserter will provide smooth operation, repeatability and durability.

Design Features/Benefits:

- Easy:**
 - Ergonomic high mechanical advantage ratchet action
 - Simple and quick tool changeover
- Accurate:**
 - Positive mechanical stroke stop for precise, repeatable installation depth
- Reliable:**
 - Heavy duty cast iron frame
 - Hardened steel rack, pinion, and pawl
- Versatile:**
 - Throat height accommodates a large array of parts
 - Rapid ram advance and retract accommodates many different size and shape parts
 - Precision ground oversize baseplate provides a large area for mounting part tooling
 - Accepts both CXA and CXD pin driving chucks
- Capacities:**
 - 22.2 kN (5,000 lbs) maximum insertion force
 - Stroke: 380mm (15") in 50mm (2") increments
 - Adjustable throat height: 300mm (12")
 - Fixed throat depth: 125mm (5")

Simple Operation:

1. Load the part to be pinned into a holding fixture on the baseplate
2. Place a pin into the jaws of the pin driving chuck
3. Using the handwheel, advance the pin driving chuck to within 2mm (.078") of the hole in the host component
4. Pull the lever to the preset positive stop
5. Release the lever
6. Using the handwheel, return the pin chuck to the full up position
7. Unload the finished assembly



Shown with optional fixture

Easily accommodates
**SPIROL Pin-Driving Chucks:
CXA, CXD**



CXA/CXD

See the **Model PMX** in action:
<https://youtu.be/9wSxmfcvgXc>





**Innovative fastening solutions.
Lower assembly costs.**

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Coiled Spring Pins



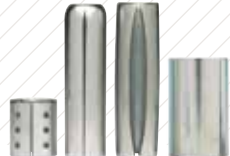
Slotted Spring Pins



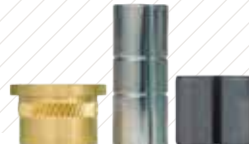
Solid Pins



**Alignment Dowels /
Bushings**



**Spacers & Rolled
Tubular Components**



**Compression
Limiters**



**Threaded Inserts
for Plastics**



Railroad Nuts



Disc Springs



**Precision Shims &
Thin Metal Stampings**



Precision Washers



**Parts Feeding
Technology**



**Pin Installation
Technology**



**Insert Installation
Technology**



**Compression Limiter
Installation Technology**

Please refer to www.SPIROL.ca for current specifications and standard product offerings.

SPIROL offers complimentary Application Engineering support! We will assist on new designs as well as help resolve issues, and recommend cost savings on existing designs. Let us help by visiting **Application Engineering Services** on **SPIROL.ca**.