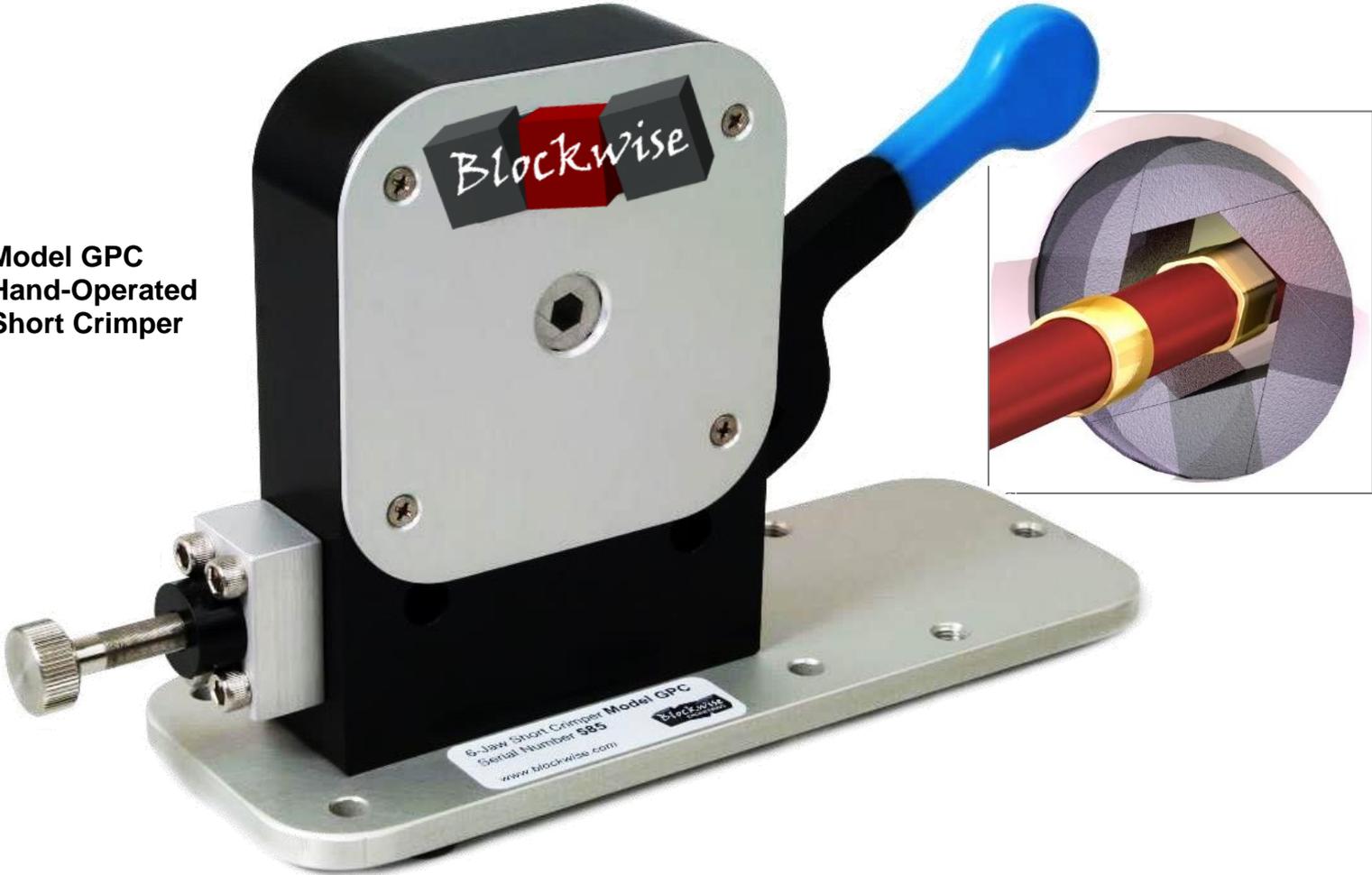




Band Crimpers Models GPC & GPJ

**Model GPC
Hand-Operated
Short Crimper**



Blockwise Short Crimpers 6-Die radial compression mechanisms that can radially compress parts such as marker bands, electrical or mechanical ferrules, or steel tubing or bands as part of an assembly process. Parts are formed into a hexagonal shape by the 6 dies. They are commonly used to crimp sizes down to 0.030 mm diameter. The mechanism provides a precisely-shaped hexagonal center opening, even at very small diameters.

Compared to collet crimpers, the Blockwise short crimpers cover a wide diameter range without tooling changes and provide a crimp with less flash. The mechanism uses Blockwise “Zero-G™” technology, eliminating gaps between the dies.

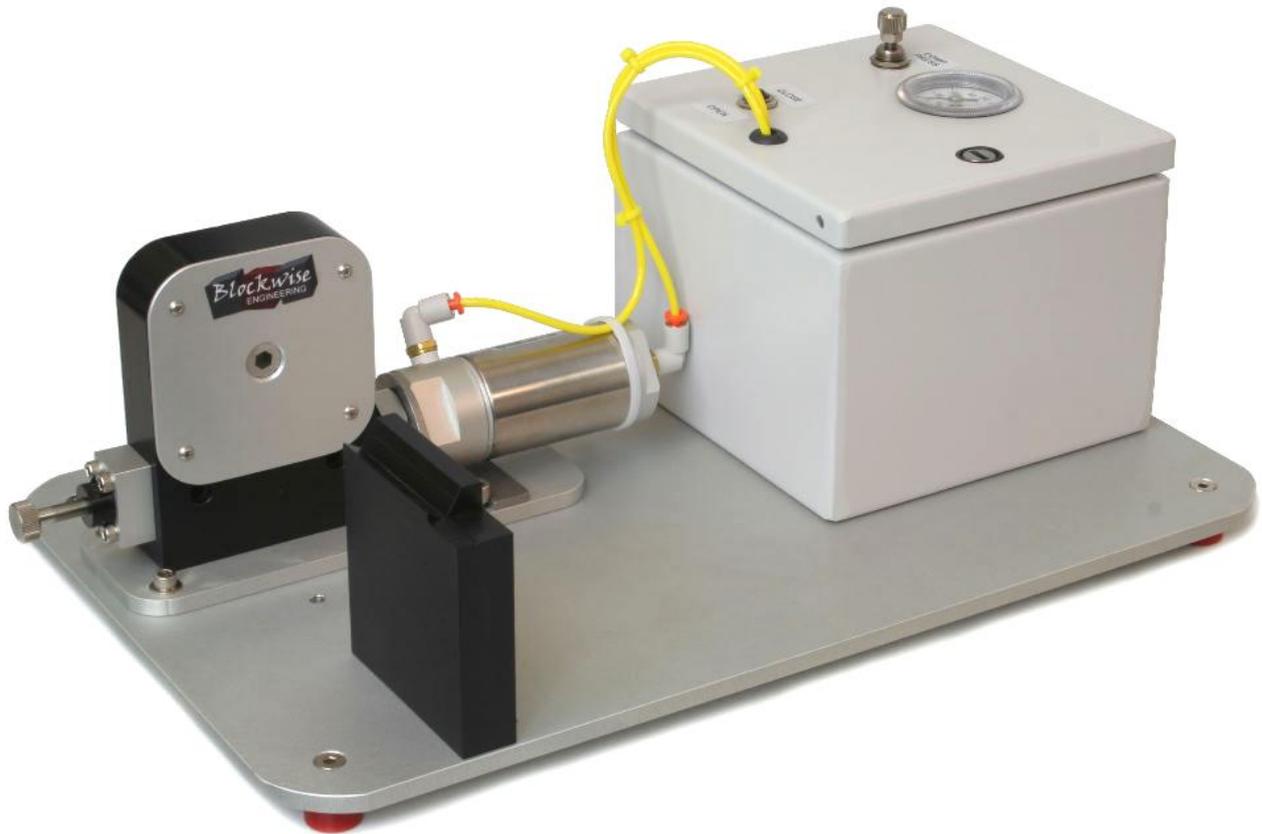
A “Short Crimper” is one with short working length, less than 10 mm, while a “stent crimper” has a longer working length and typically also more dies. Because the length of the dies is only 6.4 mm, the compression force is concentrated in a small area and the pressures can be high. Dies are made from hardened stainless steel.

The most common application is pre-crimping radiopaque marker bands or electrode bands prior to swaging them. The bands are moved to the correct position manually by the operator then pre-crimped using the short crimper to a soft hexagonal shape. The hexagonal shape has proven to be very effective at holding bands in position during the swaging process. Oval-shaped pre-crimping allows the bands to move much more easily during swaging. Neither the GPC nor the GPJ positions bands. Blockwise Band Positioning machines available: Automated Band Positioner Model PMC or Simple Manual Positioner Model SP. After Positioning and Pre-Crimping the embedding of the band is done by a Blockwise Model SG Marker Band Swager.



Model GPC is a hand-actuated crimper with a handle and a mechanical closed-stop. The closed-stop screw may be used to set the minimum crimp diameter. To set the diameter, typically the operator inserts a gage pin of the desired size, then adjusts the stop screw until the jaws touch the pin

Model GPJ is a simple pneumatic machine with mechanical closed stop and pressure regulator and gage. The crimper may be diameter-controlled using the closed-stop screw, or force-controlled using the pressure regulator and gage. The machine includes a pneumatic valve to open and close the mechanism, and adjustable orifices to limit the closing and opening speed. A foot-operated valve is optional.

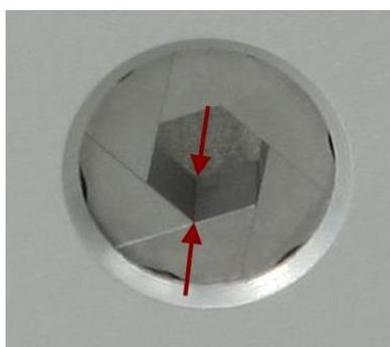


Specifications:

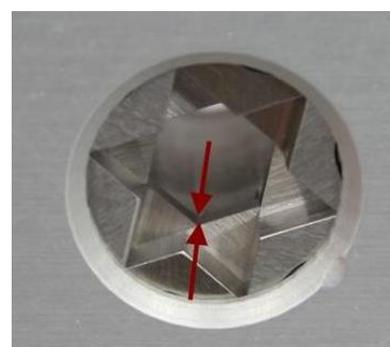
Die Length	6.3 mm (0.25 inch)
Diameter Range	0 to 5.5 mm
Number of Dies	6
Die Material	Hardened Stainless Steel
Maximum Radial Force (GPC – hand powered)	1700 N (375 lbf)
Maximum Radial Force (GPJ - pneumatic)	2700 N (600 lbf)
Service Connections (GPJ)	Compressed air 5 to 8.5 bar

Bare mechanisms are available for integration into your equipment or special automated machines with extra fixturing such as depth stops for product insertion.

To increase the pressure applied to the product, the dies may be ground to a customer-specified working length. This is sometimes used to place a short, hexagonal crimped segment on a longer, round hypo-tube.



Normal Dies 6.4 mm Working Length



Dies Ground to 1.02 mm Working Length