BPI® BarGrip® SWAGING EQUIPMENT

BPI® Equipment is available for lease or purchase. Equipment must be used in accordance with manuals, lease agreements, manufacturers’ directions and all safety instructions.

BG400
COMPACT FIELD PRESS
weighs 60 lbs [28 kg]
(mostly used on #6, #7 & #8 bar)

BG250
MINI FIELD PRESS
weighs 20 lbs [9 kg]
(mostly used on #4 & #5 bar)

BG750M
MIDSIZE FIELD PRESS
weighs 90 lbs [41 kg]
(mostly used on #8, #9, #10 & #11 bar)

BG1140M
HEAVY-DUTY FIELD PRESS
weighs 200 lbs [91 kg]
(mostly used on #10, #11, #14 & #18 bar)

BP2600
BENCH PRESS for swaging all sizes up to No. 18 [Ø 57mm]
weighs 1,600 lbs [725 kg]
Double acting cylinder produces 300 tons of force connected to 10 or 15 hp pump for high fabrication shop productivity.
Press includes foot control, lifting eyes and leveling feet.

BPI® swaging equipment for the installation of BarGrip® cold swaged coupling sleeves and structural connectors consists of a hydraulic PRESS, PUMP and HOSE with suitable swaging DIES.

Press models for field swaging range in size from the BG 250 for splicing #3 – #5 reinforcement bars (Ø10 – 16 mm), to the BG 1140M for splicing bars up to #18 (Ø57 mm). Each press is provided with a lifting handle and/or lifting eye for support. With a simple change of the die set, each press is capable of swaging multiple sizes of coupling sleeve inclusive of BarGrip XL, XL Transitions and Structural Connectors. For ease of use, dies and coupling sleeves are stamped and color-coded to match.

A hydraulic pump (electrically-driven or gasoline-driven) connects to the press by means of a hose with quick-disconnect ends. The equipment operator depresses a foot control to actuate the system. As the ram of the press extends and pushes the dies towards each other, a portion of the coupling sleeve is forced to deform around the rebar and interlock with the bar profile. When each swaging bite has been completed, a pressure switch, built into the pump, automatically stops the process to allow the ram of the press to retract for the next bite. After a coupling sleeve has been fully swaged, the operator simply removes the outer die pin and slides the outer die out of the press for convenient removal of the press from around the spliced rebar.

A BP 2600 Bench Press can be utilized by the rebar fabricator to efficiently half-swage coupling sleeves to reinforcement bar ahead of shipping, thereby saving time and labor on the job site.

NOTE: In lieu of shop half-swaging with a Bench Press, it may sometimes be appropriate to use a field press such as a BG 750M or BG 1140M – Contact BPI for assistance with your specific application.

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