



JARISTON BROWN 80/50

SWAGGING MACHINE

Pedrazzoli IBP, thanks to its wide experience in all kinds of metal tube forming, produces 4 swaging machines models the JARISTON BROWN 18, 35, 50 and 80. Each figure means the maximum outer diameter in mm that each model can either swage or taper.

These machines are equipped with the best precision devices, they are strong, powerful and perform their task very rapidly. They are reliable, and ensure very high productivity. The wide range of models can meet all requirements for both swaging and tapering.



JARISTON BROWN 50



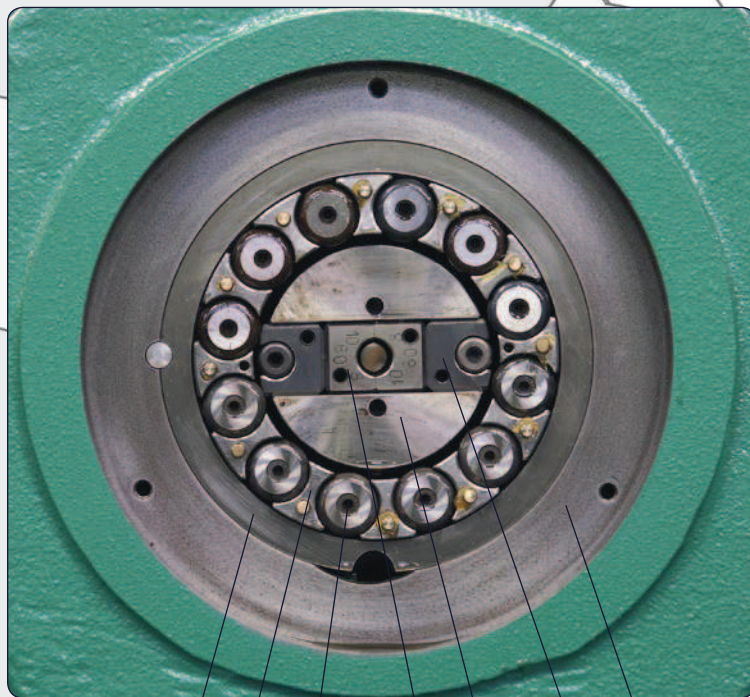
JARISTON BROWN 18/35

SWAGGING MACHINE



WORKING PRINCIPLES: An electric motor, housed inside the body, drives, through V-shaped belts, a fly-wheel directly keyed on the dies and hammers driving shaft. A longitudinal slot in the shaft is sunk through the rotation centre. Inside this slot a pair of half-dies is housed. They contain in negative form the shape to be reproduced on the workpiece. All around, a pair of hammers rest on the back of the dies. The whole assembly is driven by a shaft. Outside and coaxially to the rotating assembly (shaft, dies,

hammers), a bush is mounted, in which a number of rollers are arranged as if in a bearing. They are kept in position by a cage. When the shaft rotates the centrifugal force pushes outward both dies and hammers. The hammers adhere to the peripheral rollers housed on the bush, and are pushed inwards every time they hit the centre of each roller. This movement controls the simultaneous opening and closing of the dies, which, in turn, perform the hammering operation on the workpiece.



Bush
Cage
Rollers
Dies
Hammers
Driving shaft
Body

JARISTON BROWN 18



specifications

MODEL	JB18	JB35	JB50	JB80
Maximum diameter,workpiece	18 mm	35 mm	50 mm	80 mm
Minimum diameter,workpiece	1,5 mm	5 mm	5 mm	5 mm
Max.length of taper which can be achieved with one operation	100 mm	350 mm	450 mm	570 mm
Max.length of taper which can be achieved with two operation	190 mm	650 mm	880 mm	1100 mm
Dies dimensions (L x W x H)	44 x 100 x 64 mm	65 x 350 x 90 mm	75 x 450 x 110 mm	95 x 570 x 124 mm
Electric motor	3 kw	5,5 kw	7,5 kw	20 kw
r.p.m.	1450	1450	1450	1450
fly wheel r.p.m.	700	300	300	300
Dimensions (L x W x H)	630x690x970 mm	900x1350x 1350mm	900x1450x1350 mm	950x 1550x 1380mm
Weight	450 Kg	2500 Kg	3200 Kg	4800 Kg