



## Busbar Bending & Punching Set



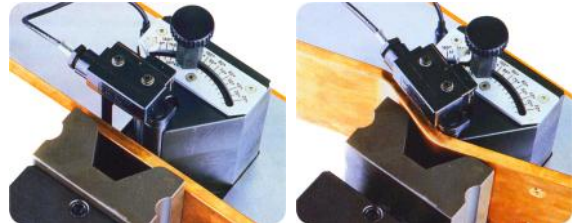
### Advantageous

Busbars at 120 x 12 mm ( 160 x 10 mm on request ) can easily be bent using a universal working cylinder, and holes of Ø 6.6 up to 21.5 mm including longitudinal holes can be punched through the simple insertion of hole punches

### Bending Busbar

Turn switch to "bend".

To bend busbars, the bending die is inserted in the hydraulic piston and the electric angle measurer is placed in the round guidance crew on the counter block. The contact cable is connected to the electric motor. The required angle is fixed on the angle scale using an adjusting screw. Since copper springs back, we recommend making a setting 1° - 3° above the required angle depending on the material thickness. You should check the first bending angle. This bending angle can be reproduced as often as required since the bending process is automatically interrupted on achieving the angle by the electrical contact switch.



### Perforating Busbar / Punching Busbar

Switch setting to "perforate".

The punch with the neoprene scraper and the matching die are placed in the locating hole. The punch is fixed sideways using a grub screw. Depending on the busbar width and the required hole arrangement, the processing block can be infinitely variably raised or lowered hydraulically using the handwheel. A counter attached to the handwheel shows the height of the hole centre in millimetres.

We recommend centre punching the busbar and then aligning the punch centring point above the centre punch to guarantee a precise hole location. The neoprene scraper and a fitted electronic sensor ensure automatic punch retraction.



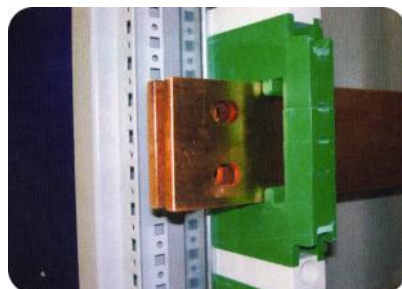
### Machine Specifications

#### Bending

Copper	120 x 12 mm
Angle	up to 90°
Smaller length of leg	50 mm
Smallest U bending	100 mm
Smallest Z bending	72 mm depend on material thickness

#### Punching

Round P/D	6.6 - 21.5 mm
Oval P/D	up to 21 mm
Material thickness	12 mm
Material width	110 mm
Dimension ( L x W x H )	700 x 410 x 410 mm
Weight	60 Kg



Hydraulic Pumps Specifications for Busbar Hydraulic Pumps

Hydraulic Pump	AHP-S
Max. pressure	700 Bar
Max. flow rate	0.58 l/min
Oil type	HLP 32 Oil
Filling volume	3.0 l
Working volume	2.2 l
Power	0.75 KW
Current consumption	3.26 A
Motor speed	2800 RPM
Motor voltage	230 V / 50 Hz
Dimension ( L x W x H )	402 x 297 x 339 mm
Weight	27 kg



AHP-S

Hydraulic Pump	AHP-M
Max. pressure	700 Bar
Max. flow rate	1.1 l/min
Oil type	HLP 32 Oil
Filling volume	3.2 l
Working volume	2.2 l
Power	1.3 KW
Current consumption	5.65 A
Motor speed	2800 RPM
Motor voltage	230 V / 50 Hz
Dimension ( L x W x H )	402 x 297 x 339 mm
Weight	29 kg



AHP-M

Item Code	Item Name	MoQ
<b>109.06.007.2</b>	<b>Busbar Bending Set 1</b>	<b>1 Set</b>
109.06.008	Busbar bending and hole punching device - Busbar Bending/Punching Unit - Electrical angle measurer R10 - Bending die R10 - Length limit stop	1 set
109.03.005	Hydraulic Pump AHP-M for Busbar	1 Set
<b>109.06.007.3</b>	<b>Busbar Bending Set 2</b>	<b>1 Set</b>
109.06.008	Busbar bending and hole punching device - Busbar Bending/Punching Unit - Electrical angle measurer R10 - Bending die R10 - Length limit stop	1 set
109.08.004	Hydraulic Pump AHP-S for Busbar	1 Set

Item Code	Item Name	MoQ	109.06.007.2	109.06.007.3
<b>Optional Accessories for Bending</b>				
109.06.005	Electric Angle Digital	1 Set	•	•
109.06.006	Bending Die with Moveable Jaws	1 Set	•	•



<b>Optional Accessories for Punching</b>				
209.47.001	Busbar Punch & Die - 6.6 mm for M 6 package	1 Set	•	•
209.47.002	Busbar Punch & Die - 9.0 mm for M 8 package	1 Set	•	•
209.47.003	Busbar Punch & Die - 9.5 mm for M 8 package	1 Set	•	•
209.47.004	Busbar Punch & Die - 11.0 mm for M 10 package	1 Set	•	•
209.47.005	Busbar Punch & Die - 11.5 mm for M 10 package	1 Set	•	•
209.47.006	Busbar Punch & Die - 13.5 mm for M 12 package	1 Set	•	•
209.47.007	Busbar Punch & Die - 14.0 mm for M 12 package	1 Set	•	•
209.47.008	Busbar Punch & Die - 17.5 mm for M 16 package	1 Set	•	•
209.47.009	Busbar Punch & Die - 18.0 mm for M 16 package	1 Set	•	•
209.47.010	Busbar Punch & Die - 21.0 mm for M 20 package	1 Set	•	•
209.47.011	Busbar Punch & Die - 21.5 mm for M 20 package	1 Set	•	•
209.38.001	Busbar Special Shape P/D - Oval Punch and Dies	1 Set	•	•



<b>Optional Accessories for Cutting</b>				
<b>109.07.001</b>	<b>Busbar Cutting</b> <ul style="list-style-type: none"> <li>• Busbar cutting device – S 125</li> <li>• Complete with quick coupling, vice with centring jaws and down holder</li> </ul>	1 Set	•	•

