

Technical Data

Working Area

EL 300 x 500	370 x 700
EL 500 x 1000	570 x 1200
EL 750 x 1500	820 x 1700

Performance

Max. sheet thickness	12,7 mm
Max. hydraulic punching pressure	280 kN / 400 kN

Speeds

Max. stroke rate	100 strokes / min
------------------	-------------------

Tooling

Trumpf® style tools

Max. punching diameter	Ø 105 mm or any shape fitting within 105 mm / □ 74 mm Optional □ 92 x 92 mm
------------------------	--

Tool change time	15 sec. manual
------------------	----------------

Accuracy of Punching

with standard measuring scales	+ - 0,2 mm
with digital readout	+ - 0,1 mm

Space requirement and weights ¹

EL 300 weight	1520 x 940 x 1540 mm 1800 kg
EL 500 weight	2400 x 1580 x 1540 mm 2500 kg
EL 750 weight	3400 x 1580 x 1600 mm 3400 kg

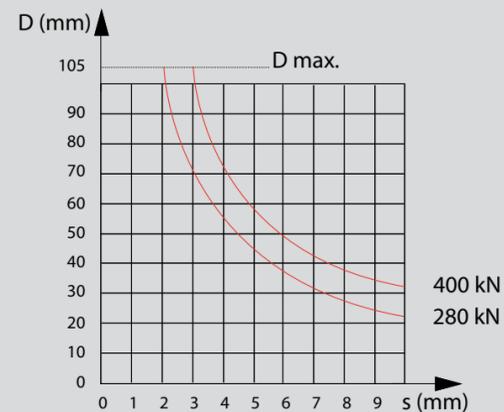
Electrical Values

28 / 40 T.

Electrical connection value	5 / 8 kVA
Hydraulic motor	4,0 / 5,5 kW
Required fuse	3 x 16 A / 3 x 16 A
Hydraulic oil	50 / 115 litre

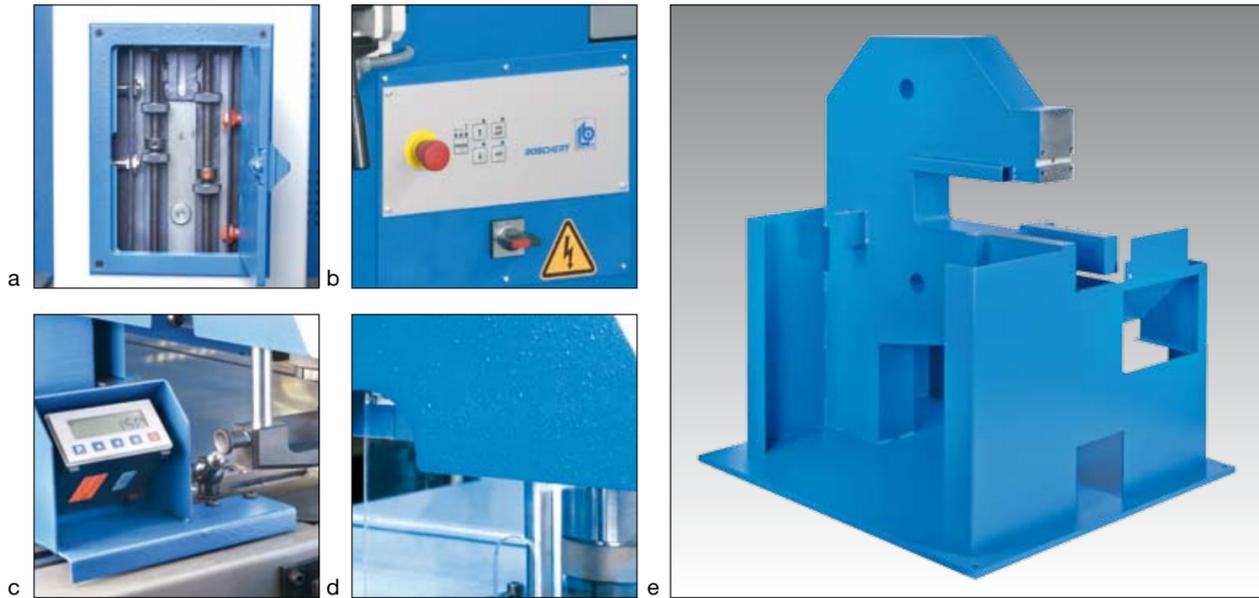
¹ The exact values can be found in each specific installation plan.

Punching force chart:



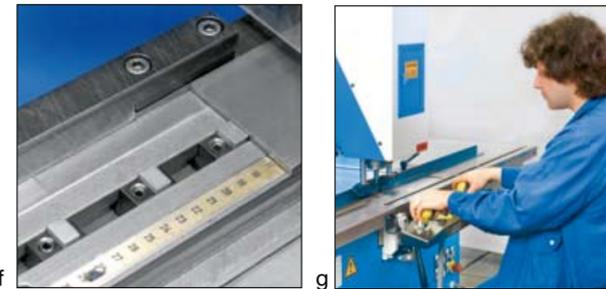
BOSCHERT

BOSCHERT



More elements of the ECCO LINE

- a) Height of stroke adjustment: for setting the length of stroke.
- b) Control panel: set-up, single and continuous stroke.
- c) Option: Digital readout can be mounted to all Boschert Ecco Line models to assure high accuracy when positioning the stops. The system works with magnetic scales that allow an accuracy of +/- 0,1mm.
- d) Plexi guard: for worker safety.
- e) Frame: The solid welded steel construction of the frame ensures the highest stability for punching of sheet and plate up to 12,7 mm (1/2") thick.
- f) Mini stops: By using spring loaded mini-stops that are easily set into the T-slots on the table, rows of holes can be quickly punched.
- g) 2-Hand-Control: for working without plexi guard in place. (Option)



2010 - 10



BOSCHERT

GmbH+Co.KG

79523 Lörrach, Postfach 7042

Deutschland

Phone +49 7621 9593-0

Fax +49 7621 55184

www.boschert.de

infoak@boschert.de



ECCO LINE
Punching
Forming
Profile Handling



simply better!



ECCO LINE

The hydraulic punching machines from the Ecco Line series are designed for sheet metal, plate and profiles. The design is proven through the machines' flexibility and accuracy.

The machines of the Ecco Line series have 28 tons (optional 40 tons) punching pressure using the well-known Trumpf tooling system.

Characteristics of the machine:

- Maintenance-free hydraulic drive
- Constant punching pressure
- Compact design
- Continuous stroke adjustment

The ECCO LINE pays for itself with:

- Small and medium series
- Thin sheet up to 12 mm max

Mode of Operation:

When the tool is set, the material stops are positioned in the X and Y axes and the workpiece is moved against the stops. When the foot pedal is pressed the ram punches the hole.



Quality is assured by Boschert's 60-plus years of excellence in manufacturing machine tools.

ECCO LINE with option for working profiles:

With this new option you can punch angles up to a height of 90 mm with the extended length tooling.

This option contains the following construction:

- 90 mm stroke length
- Second independent stroke adjustment
- 2-hand-operation for safely working without plexi guard
- special hold down for angle parts
- modification on the x-axis stop
- all other required modifications (like frame and longer plexi guard etc.)



The tooling system:

The tool set consists of the punch, adjustment ring, stripper and die and can be changed in approx. 15 sec. Any tool shape fitting within a 105 mm diameter can be used.

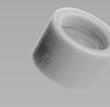
The amount of regrind can be compensated through a simple stroke length adjustment. Either urethane or passive metal strippers can be used.



punch



adjustment rings



PU stripper



die size I

Trumpf® standard tooling:

- easy handling
- low cost
- insert of punch directly in the punching head without adapter
- high durability
- long regrind length

Tool change:



punch



die

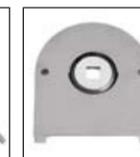
Accessories:



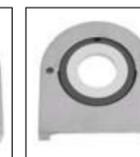
Adjustment unit



Stripper holder



Die holder size I and II



BOSCHERT