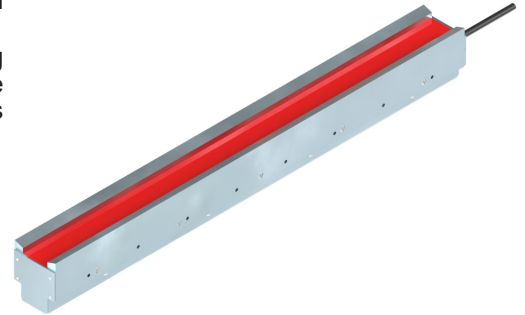


## ● BP 1000-10 TYPE

It is a bipolar holding electromagnet with 1000mm of effective surface. The face is made with an angle to work with different pieces between  $\varnothing 120\text{mm}$  y  $\varnothing 250\text{mm}$ .

The attraction and holding of the magnetic pieces is obtained by feeding the coil inside the electromagnet. When the power supply stops the electromagnet looses the piece. When working with loads security norms must be respected.

Protection rate: **IP65**  
 Insulation class: **B (130°C)**  
 Standard voltage: **24Vdc**  
 Standard duty cycle ED: **100%**  
 Abs. power at 20°C: **217W**  
 Temperature rise "DV31" **40°C**  
 Solenoid weight: **47Kg**



### ● Maximum keeping force

$\varnothing$ Round bar (mm)	Force N/mm	Force N (for bar => 1000mm)
$\varnothing 120\text{-}\varnothing 200$	5.4	5400
$\varnothing 250$	8	8000

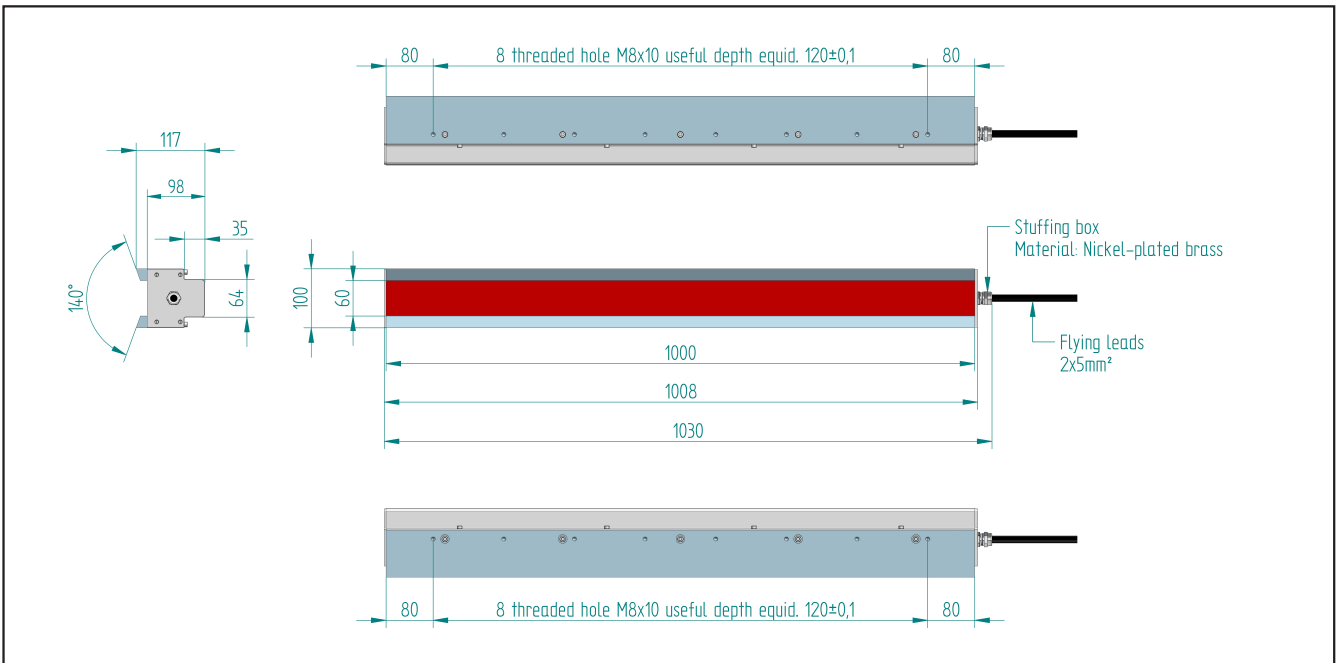
The forces values are obtained with the electromagnet at its working temperature and with the piece to be held in contact with whole attraction surface

1) To feed in alternating current the electromagnet will have an external rectifier.

2) It can be manufactured at any voltage, duty cycle, connection etc. Also other sizes for different applications.

3) Ground connection is recommended if to the metallic parts are accessible.

### ● General dimensions



When lifting or handling heavy loads a minimum security margin of 3 must be respected, the weight of the load cannot exceed 33% of the magnetic force.

Ordering code: BP1000/100 --V ED---%

Voltage: 24Vdc; Duty-cycle: ED100%  
 BP1000/100 24Vdc ED100%