

Lift and locate module – XTUL P12



We now release a new XT pneumatic lift and locate module, XTUL P12. This module can be useful in a process where you have to locate the product at a specific height to adjust it to a machine operation. There are three options for mounting the module: mounted separately on a horizontal plane, mounted in the XT conveyor T-slot or mounted on a separate support to eliminate external vibrations.



Description of the function

1. The pallets accumulates at the stop at point A. See figure 1.
2. When the module is free the pallet at point A is released and stops at the stop at point B. See figure 1.
3. When the pallet is in place the unit locates the pallet on at specific height. The height is adjustable.
4. After a machine operation the unit lowers the pallet. When the pallet meets the conveyor the next pallet is released.

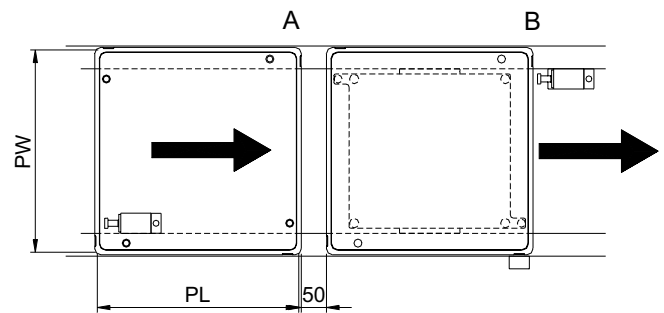


Figure 1

Pallet load

In order not to overload the module the maximum load is decreasing as the centre of gravity is moving from the centre of the pallet. See diagram 1.

Technical data

Max. centred lift force (0,6 MPa) 1177 N
 Max. lift height..... 225 mm
 Locating repeatability (X,Y,Z) ±0,1 mm

The speed of the lifting motion is regulated with non-return throttle valves.

Note

It is recommended to enclose the unit to protect persons from the clamp risk.

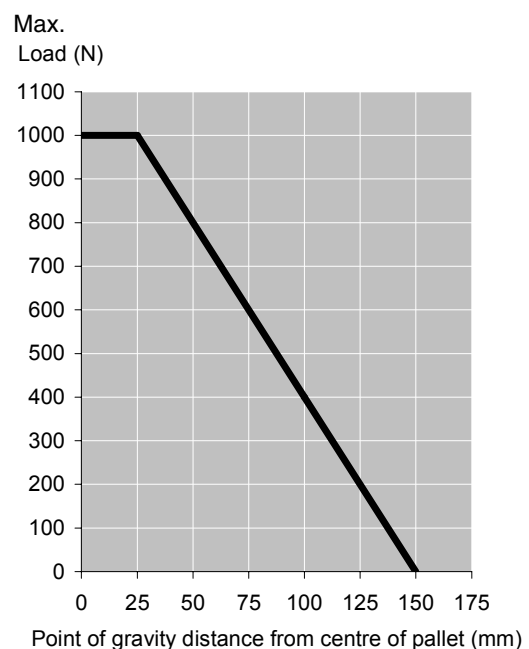


Diagram 1

Included in the delivery

- One lift and locate station, none return throttle valves included.
- The necessary number of stoppers and sensor brackets, based on the option selected.
- The required number of proximity sensors, if option E = E01 or E02.
- The necessary mounting hardware required for attachment to an XT or XT light conveyor depending on the F01 or F02 option.

Table 1 below shows the number of accessories that are included in the module based on different damping options.

| Options | Stopper XTPD U200 | Stopper XTPD D35 | Stopper XTPD D100 | Sensor bracket XTPB V001 | Sensor bracket XTPB V002 | Sensor bracket XTPB H001 | Lift & locate unit XTPL P12 |
|---------|----------------------|---------------------|----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------------|
| D00 | 2 | 0 | 0 | 2 | 0 | 1 | 1 |
| D01 | 0 | 2 | 0 | 2 | 0 | 1 | 1 |
| D02** | 0 | 1 | 1 | 1 | 1 | 1 | 1 |

Table 1

**XT conveyor only

Ordering information

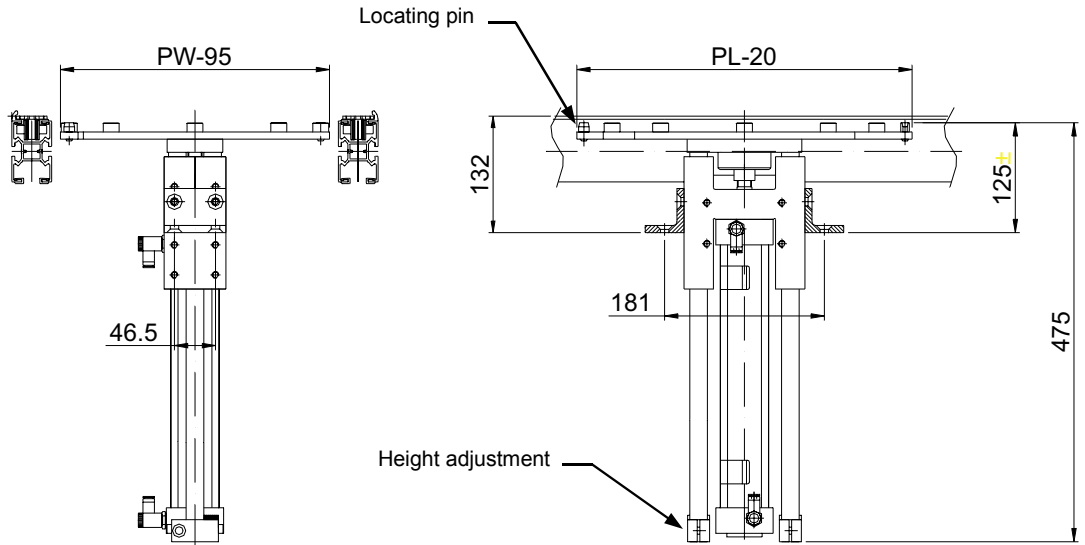
When ordering the XTUL P12 module you must specify the following parameters. For more information see, "Definition of parameters" in the conveyor catalogue.

XTUL P12 **240** x **240** **0000** **D** **00** **F** **00** **E** **00**

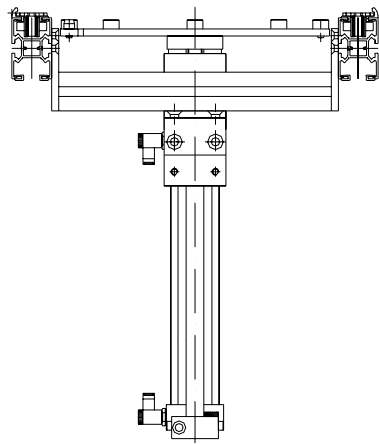
1 2 3 4 5 6 7

1. Module type:
XTUL P12 = XT lift and locate module
2. Pallet width (PW):
240=240 mm
320=320 mm
400=400 mm
3. Pallet length (PL):
240=240 mm
320=320 mm
400=400mm
4. Height H1 if F=02:
500 ≤ H1 ≤ 1500 mm
H1=0000 if F=00 or F=01
5. Pallet damping (D):
00 = No damping, max queue 200 kg
01 = Damping, max queue 35 kg
02** = Damping, max queue 100 kg
6. Function (F):
00 = Attached on horizontal plane
01 = Attached to conveyor
02 = Attached on support frame
7. Electric control (E):
E00 = No sensors
E01 = PNP sensors in unit
E02 = NPN sensors in unit

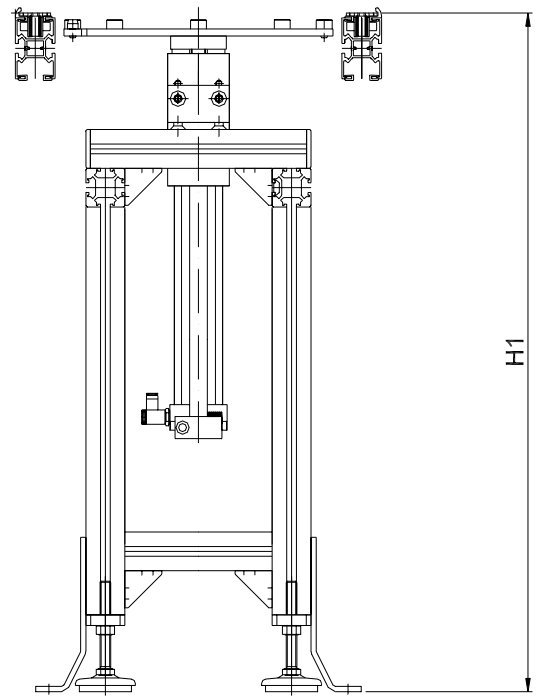
Dimensions



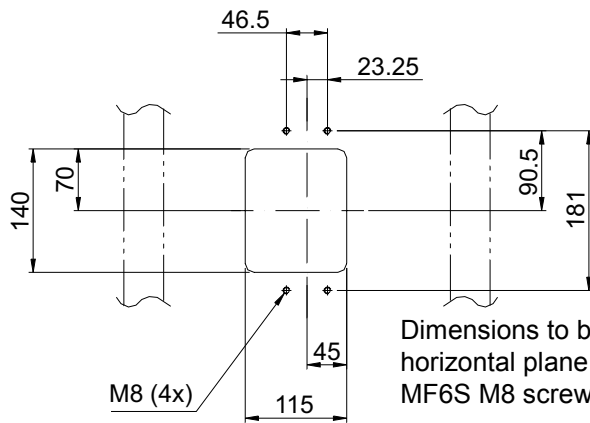
F 00



F 01



F 02



Dimensions to build in the F00 option in a horizontal plane. You also need 4 pieces of MF6S M8 screws.