

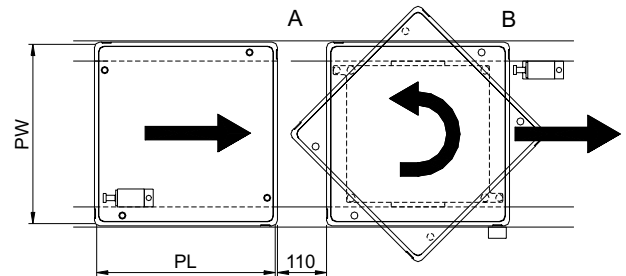
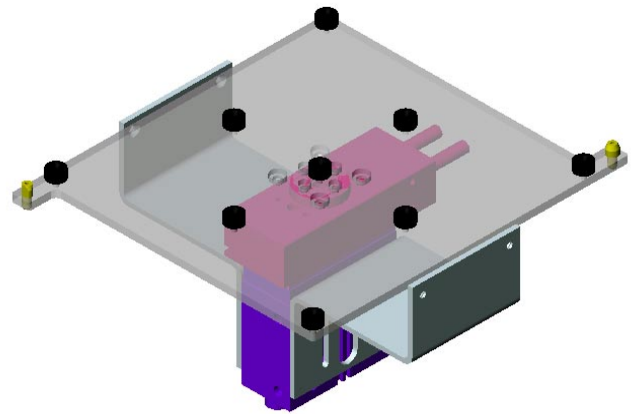
Lift and rotate module – XTUR P11

A new XT pneumatic lift and rotate module, XTUR P11, has been released. The lift and rotate unit can be used to turn the pallet 180°. This can be useful in a system with a mix of bends and transfers or in a process where you have to change orientation of the pallet to access a machine operation.



Description of the function

1. The pallets accumulate 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 lifts and rotates the pallet 180°.
4. After the lift and rotate motion the unit lowers the plate and the pallet leaves the module. When the pallet meets the conveyor the next pallet is released.



Pallet load

In order not to overload the module the maximum pallet weight 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).....	340 N
Max. mass-moment of inertia.....	0,55 kgm ²
Rotate angle.....	180 °
Lift height.....	17 mm
Weight.....	13,2 kg

The speed of the lift and rotate motion is regulated with non-return throttle valves. The rotating motion have hydraulic end dampers.

Note

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

Figure 1

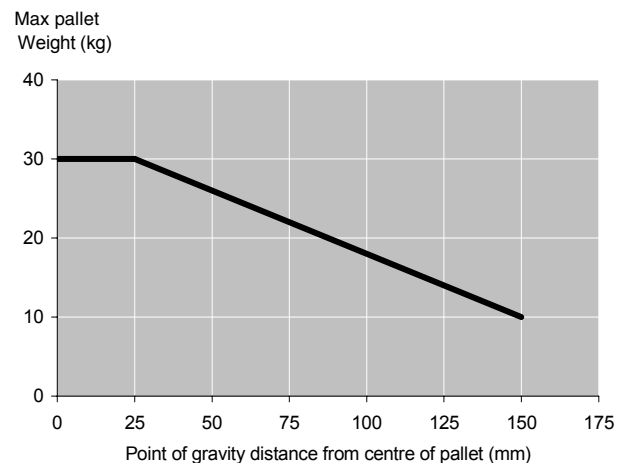
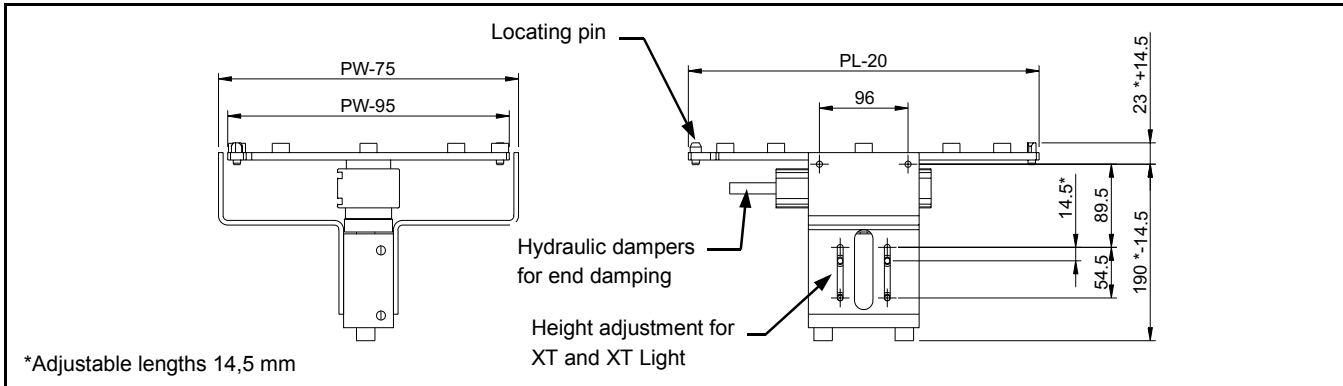


Diagram 1

Dimensions



Included in the delivery

- One lift and rotate station, non-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.

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 & rotate unit XTPR P11
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 XTUR P11 module you must specify the following parameters. For more information see, "Definition of parameters" in the conveyor catalogue.

XTUR P11 **240** x **240** **D 00** **E 00**

1 2 3 4 5

1. Module type:
XTUR P11 = XT lift and rotate module
2. Pallet width (PW):
240=240 mm
320=320 mm
400=400 mm
3. Pallet height (PL):
240=240 mm
320=320 mm
400=400 mm
4. Pallet damping:
00 = No damping, max queue 200 kg
01 = Damping, max queue 35 kg
02** = Damping, max queue 100 kg
5. Electric control:
E00 = No sensors
E01 = PNP sensors in unit
E02 = NPN sensors in unit