

DOWEL 10NA40-5D L-SHAPE



DOWEL 10NA40-5D CROSS-SHAPE



DOWEL 10NA40-5D T-SHAPE



Expansion strips are mounted in concrete floor plates to compensate movements in plate sections. Concrete plates are exposed to internal and external pressures. Damage occurs mainly at the edges of plates near to connections. Connection of floor plates should compensate their mutual horizontal movements (perpendicular and parallel to the expansion joint) which are usually caused by thermal expansion and shrinkage of concrete. At the same time the connection must also block vertical movements and mutual curving of floor elements which is a consequence of traffic, heavy loads and uneven passive earth pressure.

Dowel movements:

- dowel size 180x120x8mm  $\pm 15$ mm parallel and  $\pm 20$ mm perpendicular
- dowel size 180x140x10mm  $\pm 20$ mm parallel and  $\pm 30$ mm perpendicular

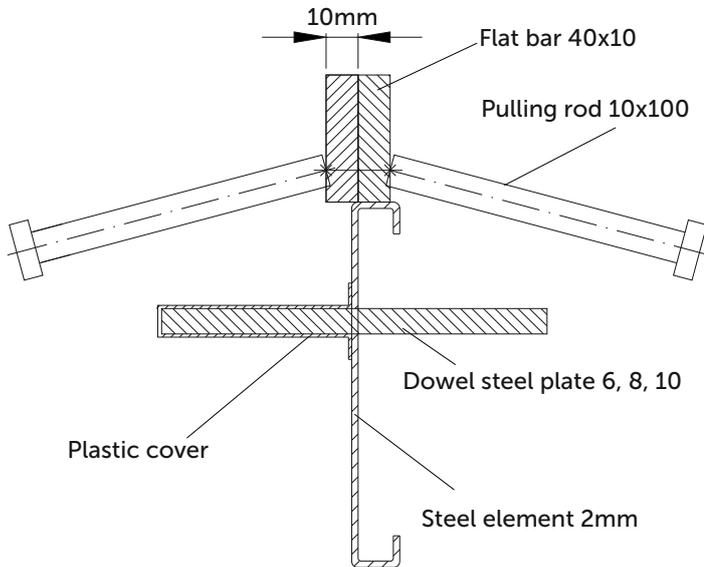
Conecto Dowel expansion joints ensure an even distribution of the loads between floor plates by preventing excessive local tensions. Expansion joints help to eliminate the main reason behind uncontrolled floor cracking, they make the floor last longer and improve use comfort.

The number of expansion joints should allow to divide the floor into regular fields, with a shape similar to a square of up to 1000m<sup>2</sup>, which constitutes a daily flooring efficiency. Joints should be spaced at a distance not greater than 45x45m.

The system is complete, easy to install and ready for application, all you should do is place the joint at the installation site and join them without wrenches, using screws with wing nuts provided in the package.

Conecto Dowel joints guarantee proper resistance in case of permanent high traffic loads.





- Possibility to use flat bars size 6x40 or 8x40
- Possibility to prepare top joint from galvanized steel or stainless steel
- Very big surface of steel dowel
- Standard space between dowels 600 (5D)
- Possibility to use more dowels per one joint (6D, 7D)
- Standard grade steel S355
- Nylon screws M8
- Plastic cover made of highly resistant ABS plastic

Floor height [mm]	Profile height [mm]	Dowel size [mm]	Dowel spacing [mm]	kg/m
100-110	90	180x120x8 180x140x10	600	10.60
110-130	100			10.76
135-155	125			11.16
160-185	155			11.64
185-205	175			11.96
210-230	200			12.36
235-255	225			12.76
260-280	250			13.16
285-305	275			13.56

- ability to perform a profile in any height of 5.
- standard length 3 meters

