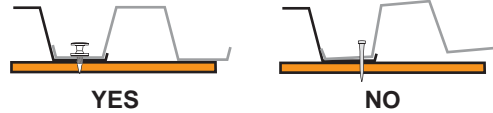


FIXING ON PROFILED STEEL DECKING

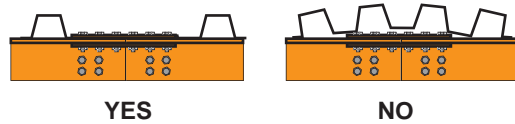
It is important to position the steel decking correctly before fixing the connectors. The decking must be placed in adherence with the beams, and the connectors in perfect contact with both the decking and beam. When sheets overlap, they must be united and in adherence with the beam. No more than two sheets of decking must be overlaid (each with a maximum thickness of 1mm. for a total of no more than 2 mm). The maximum thickness of a single sheet is 1.25 mm.



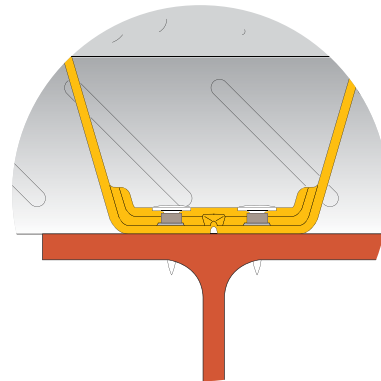
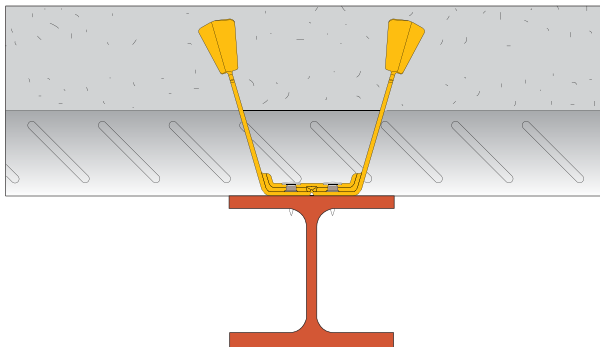
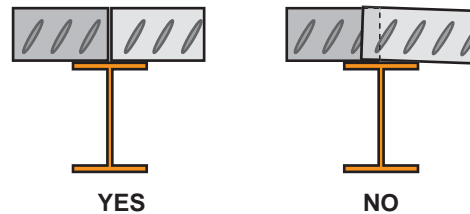
The decking must be fixed to the beams with nails or screws specifically designed for this purpose (for example SBR14 or HSBR14). A metal washer must be used in the fixing to ensure that the decking is pushed downwards to be in contact with the beam.



Connectors cannot be fixed where there is a joint between two beams with the presence of a jointing plate and where there are bolts. The decking must be positioned as shown in the diagram.



When two sheets of decking meet head to head, they must be butt jointed and not overlapped. Therefore any overlapping in this direction is best avoided when laying the sheets, otherwise the sheets will have to be cut when in position. An adhesive tape must be used to close any gap between the joint in the sheets to avoid any possibility of concrete dripping through the joint.



The fixing process can be considered as being satisfactory even if the nails protrude through the underside of the upper plate of the beam. However it is advisable to carry out a mechanical test on the fixing.

TECNARIA®

CHECK FOR CORRECT FIXINGS OF THE CONNECTORS



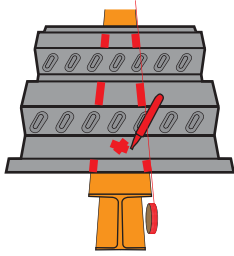
DIAPASON® Connectors

For the use instruction of the P560 tool see the attached instructions

Tecnaria Spa
 Viale Pecori Giraldi, 55
 36061 Bassano del Grappa (VI) - ITALY
www.tecnaria.com
info@tecnaria.com
 TEL: +39.(0)424.502029
 FAX: +39.(0)424.502386

FIXING THE CONNECTOR AND VERIFYING THE RESULT

The DIAPASON connector is supplied with 4 nails and 4 cartridges. The fixing process must be undertaken by a qualified person who has read and understood the instructions and indications relative to the fixing. These can be found inside the box of the SPIT P560 nailer. Use only the SPIT P560 power nailer (cod. 013091) and the approved fixing kit for fixing the CTF connector (cod. 013994).



It is important to locate the exact position of the beam under the decking before undertaking the fixing. We suggest that a line be traced on the decking in correspondence with the beam using a thread of a marker. Each connector must be fixed with four nails. The connector must always be fixed transversely to the axis of the beam when fixing onto a concrete slab. (See fig.A)

Two checks must be made to verify the efficiency of the fixing, one mechanical, one visual.

CHECKING PROCEDURE

This test should be carried out on one of the first connectors to be fixed in position for every type of beam and every quality of steel. The test will partially destroy the connector so a new one must be fixed close to the bent one. A second test should be undertaken at random every so often to ensure the fixing is verified and that the nailer is working properly.

- 1) Fix the CTF connector with 4 nails.
 - 2) Insert a 12 mm. diameter reinforcement bar through the two upper holes in the connector.
 - 3) Hit the side of the bar between the two supports of the connector with a hammer. The test is to be considered positive if the connector is deformed while the nails remain fixed to the beam.
- If the test should result negative, it is necessary to increase the power of the cartridge or consult Tecnaria telephoning 039 0424 502029.

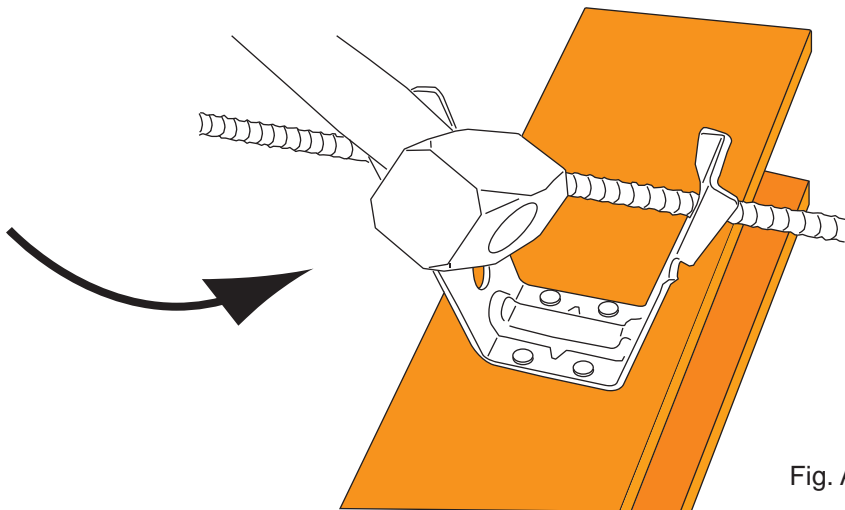
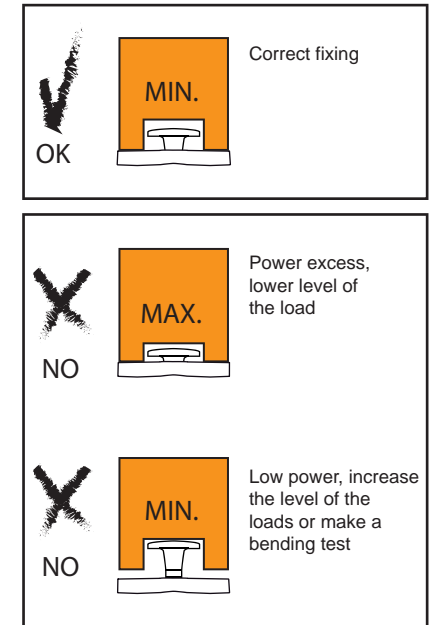
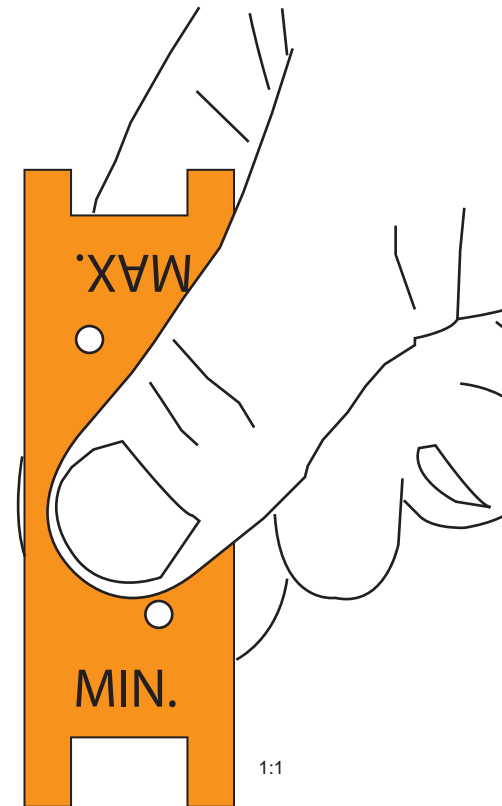


Fig. A

VISUAL TEST

Measure the distance between the nail and base plate of the connector using the attached "card" to verify the correct fixing. The value must be between 4.5mm (MAX) and 8.5mm (MIN).



Values less than 4.5 mm (MAX):

The quality of the fixing is not affected. However it is advisable to use a lower powered cartridge to insert the nails. This avoids causing damage to the nailer.

When the value is greater than 8.5mm

This means that the nails have not sufficiently penetrated the upper plate of the beam. A more powerful cartridge must be used. If there are problems consult Tecnaria at 0039 (0)424 502029

POWER LEVEL (LOADS)

- Green: ■ Very weak (3) cod. 031250
- Yellow: ■ Weak (4) cod. 031240
- Blue: ■ Medium (5) cod. 031230
- Red: ■ Strong (6) cod. 031220
- Black: ■ Very strong (7) cod. 031210

