



# Assembly instructions

## Rectangular duct system

**Lindab's rectangular duct system featuring its RJFP profile complies with the European Standard EN 1507 classification C2 where C stands for the leakage class and the 2 for the pressure class (+1000 Pa, - 750 Pa). The standard covers both leakage and strength.**

### **In order to achieve a good result, ensure you have**

- A well-organised and protected storage site for ducts and other parts that are to be assembled.
- Use undamaged parts only.
- Properly planned assembly sequence.
- Carefully executed assembly in accordance with the instructions.

### **Preparation**

- Use only ducting and other parts with factory-fitted profiles.
- Ensure that ducting and other parts are stored under cover.
- The suspension distance for ducting and parts, regardless of dimension, shall not exceed 2400 mm. Additionally there shall never be more than one joint between two suspended sections. Suspended sections may be placed at a maximum of 500 mm from a joint.

## Assembly of ducts and parts

1



Mastic the countersunk part of the corner section (RJCL) and internally in the product's corners.

The flange will be 20, 30,40 mm high depending on the width of the duct and the pressure class the system shall withstand. (The flanges are called Rectangular Joint Flange Profile RJFP 20, RJFP 30 and RJFP 40.)

2



Apply the seal moulding (RJSM) to the inner edge of the connection profile.  
The seal moulding must cross over each other.  
The seal moulding is to be applied only to one of the two surfaces to be mated together

The 9 mm seal moulding (RJSM 9) is to be used with RJFP 20 profile.

The 12 mm seal moulding (RJSM 12) is to be used with RJFP 30 and 40 profiles.

3



RJFP  
Press the ends together and fix the corners with the bolt RJB and nut RJN.

The M8 bolt and nut is to be used with the RJFP 20 profile.

The M10 bolt and nut is to be used with RJFP 30 and 40 profiles.

4

### Guide methode



Assemble the guide strip LS-3 from the side of the duct.

4

### Clamp methode



Assemble the Rectangular Joint Bolt Clamp RJBC over the flanges.

To reach air tightness class B it is enough to have a distance of 700mm between the clamps. To reach air tightness class C a maximum distance of 400 mm is allowed.