



Lindab **Rectangular** **Duct system RJFP**

Mounting instructions

Rectangular duct system

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 RJFPC3 20, RJFPC3 30 and RJFPC3 40.)



2



Apply the seal moulding (RJSM) to the outer 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 RJFPC3 20 profile.

The 12 mm seal moulding (RJSM 12) is to be used with RJFPC3 30 and RJFPC3 40 profiles.

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Joint slide

3



Assemble the joint slide profile RJSP from the side of the duct.

4



If the duct system is mounted near an evacuation route or pedestrian bridge, there is a risk of someone getting hurt against these corners. To eliminate this risk, or for a neater corner, a corner protection (LS-5) can be fitted.

5



RJFP

Press the ends together and fix the corners with the bolt M6S and nut M6M.

The M8 bolt and nut is to be used with the RJFPC3 20 profile.

The M10 bolt and nut is to be used with RJFPC3 30 and RJFPC3 40 profiles.

Clamp methode

6



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.



Good Thinking

At Lindab, good thinking is a philosophy that guides us in everything we do. We have made it our mission to create a healthy indoor climate – and to simplify the construction of sustainable buildings. We do that by designing innovative products and solutions that are easy to use, as well as offering efficient availability and logistics. We are also working on ways to reduce our impact on our environment and climate. We do that by developing methods to produce our solutions using a minimum of energy and natural resources, and by reducing negative effects on the environment. We use steel in our products. It's one of few materials that can be recycled an infinite number of times without losing any of its properties. That means less carbon emissions in nature and less energy wasted.

We simplify construction