

## BEFORE YOU BEGIN

**IMPORTANT:** This Vario Connector must be installed in accordance with AS/NZS 3500.1. All instructions and dimensions in this guide assume that the back end of the connector remains in contact with the wall.

The Kohler Long Vario Connector can be adjusted to suit a range of long set out S-trap toilet pan installations. For pans with a P-trap outlet, it converts the toilet pan from a P-trap to S-trap.

Depending on the pan geometry, this connector is suitable for set-outs ranging from 160mm to 311mm. For installations with the minimum set-out 160mm, the back end of the connector has to be against the wall.

Trimming the Spigot Connector to the shortest setting gives a length of 144mm. Every additional notch adds 10mm up to a maximum of 274 mm.

Maintain a minimum of 30mm overlap between the pan spigot and the Diaphragm Seal.

Cutting the Waste Pipe Connector at the shortest setting (Flexible Fin Seal end) gives a set-out distance of 160mm. Every additional notch adds 20mm.



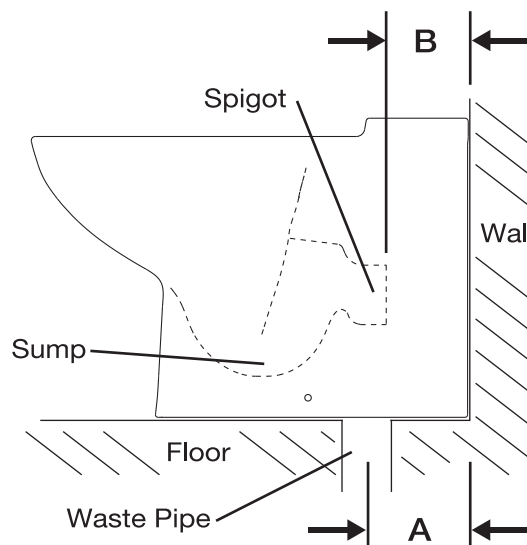
**CAUTION:** The trim cut(s) must be made square to the connector. Rotating the components during trimming can help keep the cut even.

Before proceeding with installation, check the limitations of the toilet pan and ensure that the required set out can be achieved without collision between the sump and waste pipe connector.

When installed, pipe joints must be solvent-welded with a suitable ABS cement in accordance with AS/NZS 3879.

# INSTALLATION

1. Remove the two seals from the ends of the Vario Connector.
2. Measure the waste pipe set-out (distance from waste pipe centre to the wall, shown as dimension A in the diagram). Mark the connector at the required length. Marking the Waste Pipe Connector at the shortest setting (Flexible Fin Seal end) gives a set-out distance of 160mm. Every notch after that adds 20mm.
3. Measure the distance from the pan spigot end to the wall (shown as dimension B in the diagram). Add 40mm for seal overlap and mark the connector (e.g: if measured 184mm, mark for cutting at 224mm).
4. Accurately trim the Spigot Connector to the marked length without damaging the ribs. Tidy up the ends with a file, remove debris and replace the diaphragm seal. Secure the diaphragm seal with the retainer cover.
5. Cut the Waste Pipe Connector to the marked length. Tidy up the ends with a file, remove debris and replace the Flexible Fin Seal.
6. Assemble the parts and check their fit between the pan, wall and waste pipe. Re-cut as required before proceeding.
7. Using an appropriate ABS cement, solvent-weld the pipe joints in accordance with AS/NZS 3879. Allow suitable time for the cement to cure.
8. Insert the Waste Pipe Connector with Flexible Fin Seal into the DN100 waste pipe.
9. Cut the Screw Connector Bracket to length, slot it over the mount on the rear of the Spigot Connector and attach to the wall.
10. Lubricate the Diaphragm Seal and carefully push the toilet pan back into the Vario Connector.
11. Proceed with pan installation as per instructions supplied with the toilet.



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