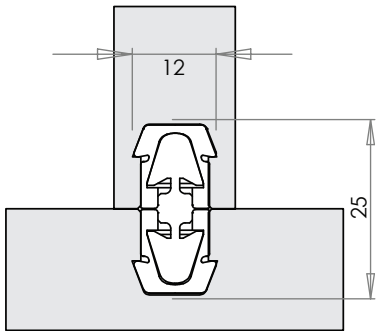
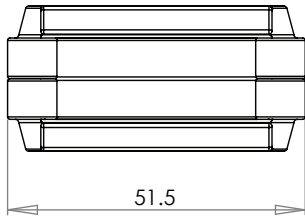
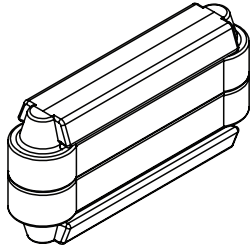


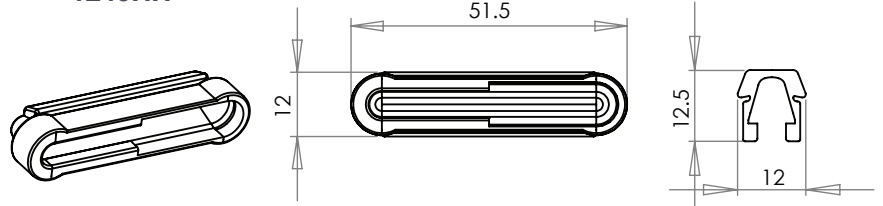
# OVVO® Connection System

## 1240 Releasable Specifications

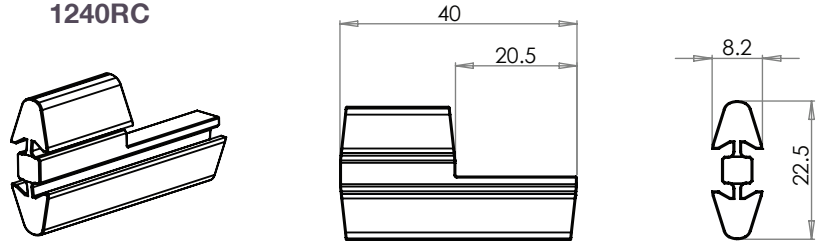
### 1240 Releasable



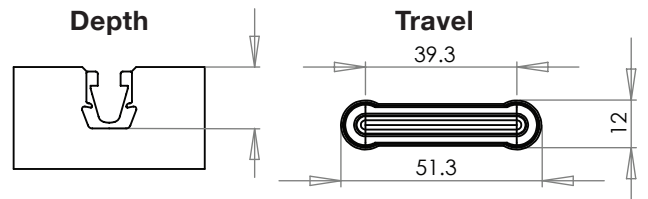
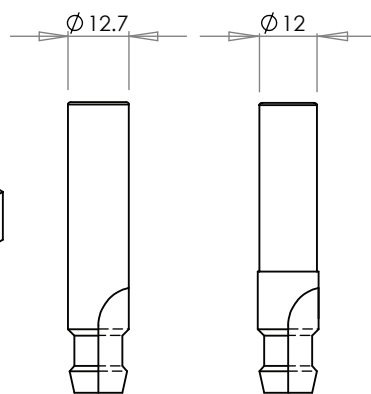
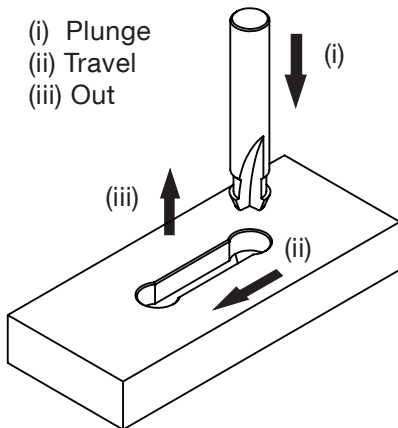
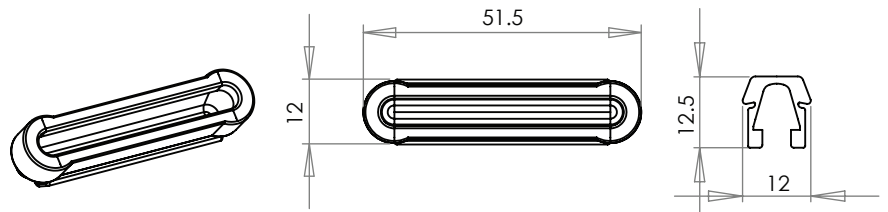
### 1240RH



### 1240RC



### 1240PH



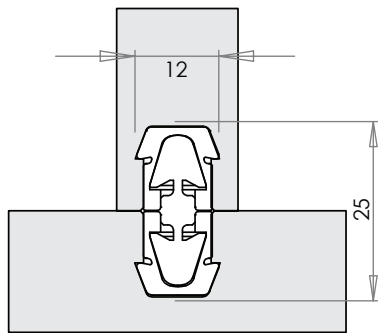
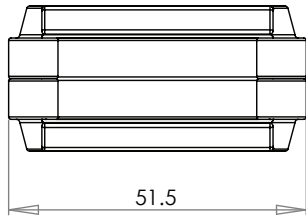
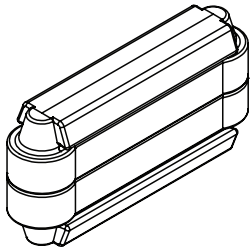
**Depth Tolerances:** 12.9mm, +/- 0.5mm  
**Travel (Centre to Centre):** 39.3mm  
**Out to Out:** 51.3mm

*CNC speeds vary with different materials.  
 Maximum cutter rotation: 18,000*

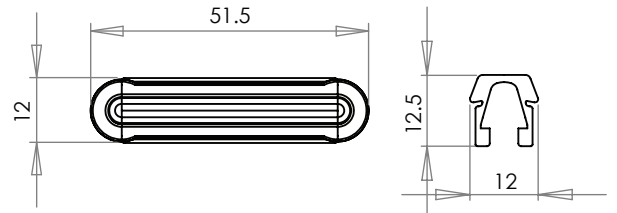
# OVVO® Connection System

## 1240 Permanent Specifications

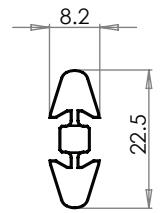
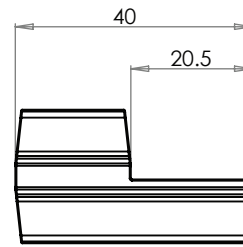
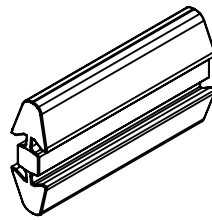
### 1240 Permanent



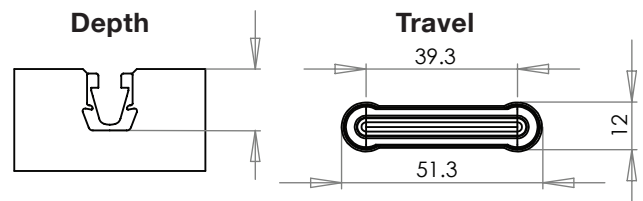
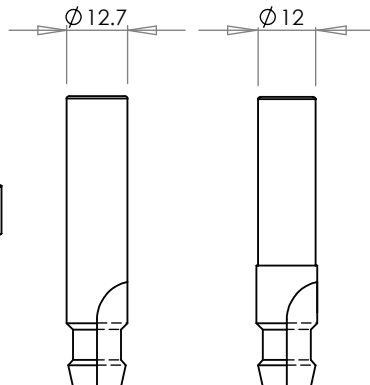
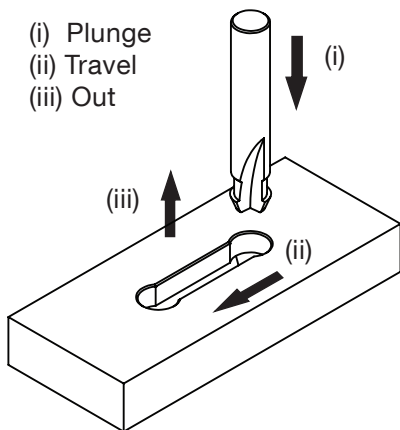
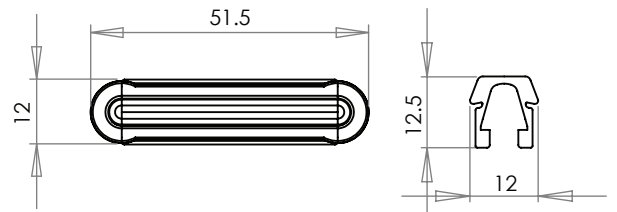
### 1240PH



### 1240PC



### 1240PH



**Depth Tolerances:** 12.9mm, +/- 0.5mm  
**Travel (Centre to Centre):** 39.3mm  
**Out to Out:** 51.3mm

*CNC speeds vary with different materials.  
 Maximum cutter rotation: 18,000*

# 1240 Recommended Minimum Board Depth

Recommended minimum board depth or thickness values for the 1240 will change depending on both the substrate material used as well as the joint angle and axis of connection.

Minimum recommended measurements shown below are categorized according to two distinct groups of board material which share broadly similar connector retention properties.



Fig 1



Fig 2

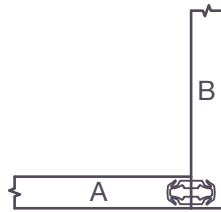


Fig 3

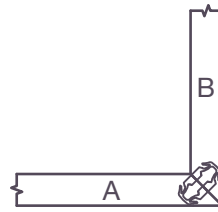


Fig 4

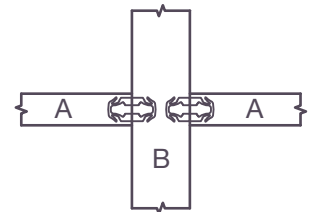


Fig 5

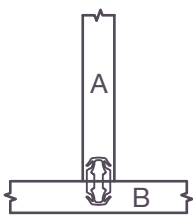


Fig 6

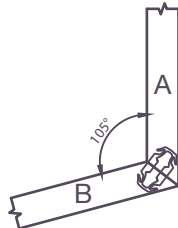


Fig 7

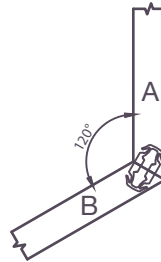


Fig 8

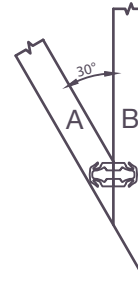


Fig 9

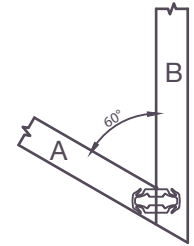


Fig 10

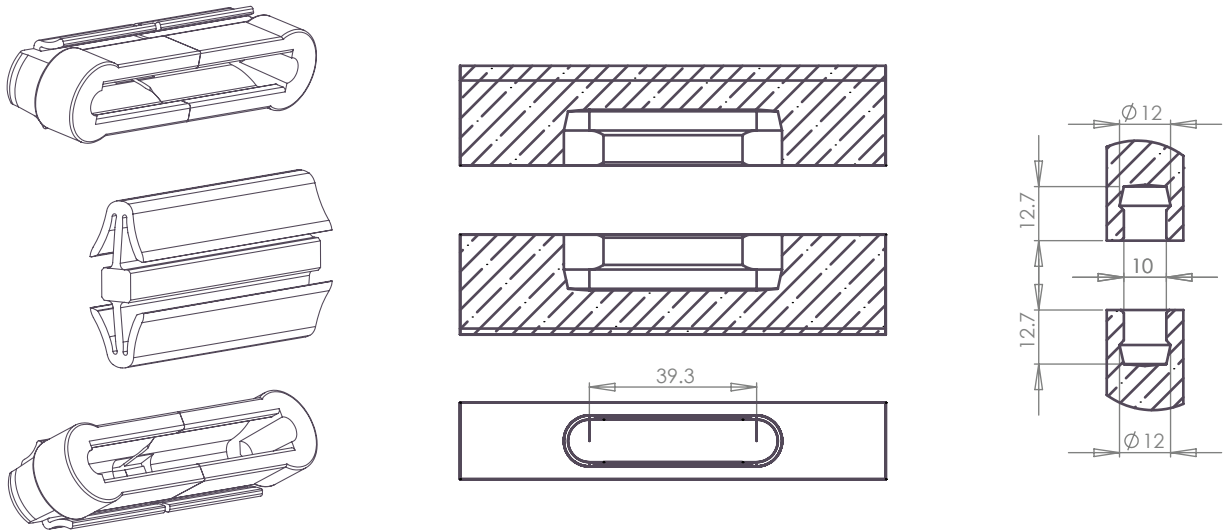
HPL/Composite, Solid Surface, Hardwoods, Birch Plywood		
	A	B
Fig 1	16mm	16mm
Fig 2	15mm	15mm
Fig 3	18mm	18mm
Fig 4	18mm	18mm
Fig 5	15mm	28mm
Fig 6	18mm	15mm
Fig 7	18mm	18mm
Fig 8	18mm	18mm
Fig 9	18mm	15mm
Fig 10	18mm	15mm

Particle/Chipboard, Softwoods/MDF		
	A	B
Fig 1	18mm	18mm
Fig 2	15mm	15mm
Fig 3	18mm	15mm
Fig 4	18mm	18mm
Fig 5	18mm	28mm
Fig 6	18mm	15mm
Fig 7	18mm	18mm
Fig 8	18mm	18mm
Fig 9	18mm	15mm
Fig 10	18mm	15mm

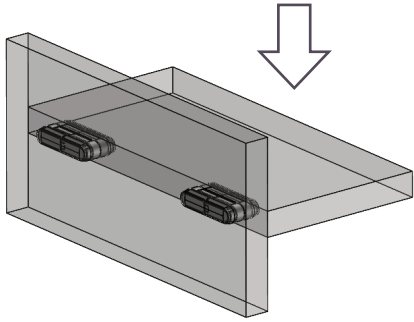

These are guidelines only and OVVO® recommends trial connections be made before going into full production.

# OVVO® Permanent 1240

## Shear & Tensile

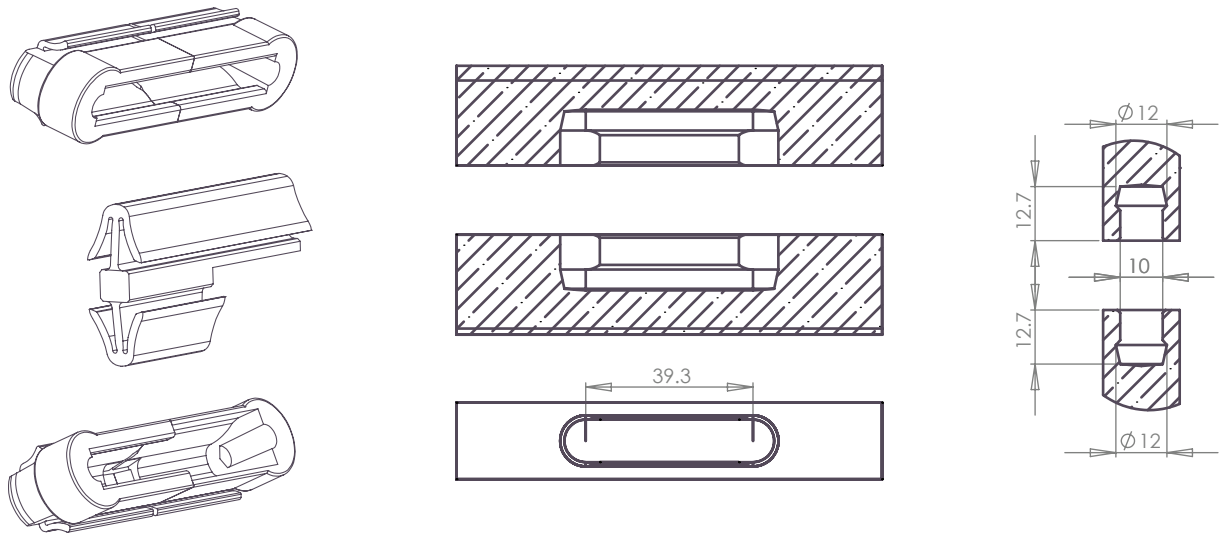


The OVVO® Permanent Connection Set is an ideal solution for connecting materials together permanently.

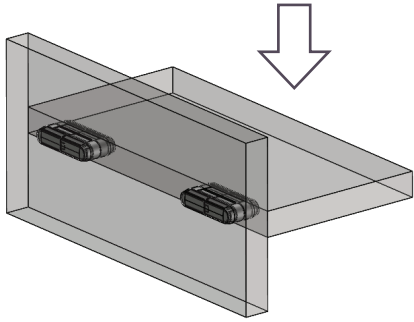

Shear	Tensile
 <p>PH1240 (dual test shear)</p> <p>Chipboard = 600 N</p> <p>MDF = 700 N</p> <p>Beech = 1000 N</p>	 <p>PH1240 (component test tensile)</p> <p>Per Component = 500 N</p>

# OVVO® Releasable 1240

## Shear & Tensile



The OVVO® Releasable Connection Set lets you assemble and un-assemble products efficiently.

Shear	Tensile
 <p>RH1240 (dual test Shear)</p> <p>Chipboard = 500 N</p> <p>MDF = 600 N</p> <p>Beach = 700 N</p>	 <p>RH 1240 (component test tensile)</p> <p>Per Component = 300 N</p>

# PERMANENT SET FITTING INSTRUCTIONS

2 x PH 1240 = PERMANENT HOUSING  
1 x PC 1240 = PERMANENT CONNECTOR

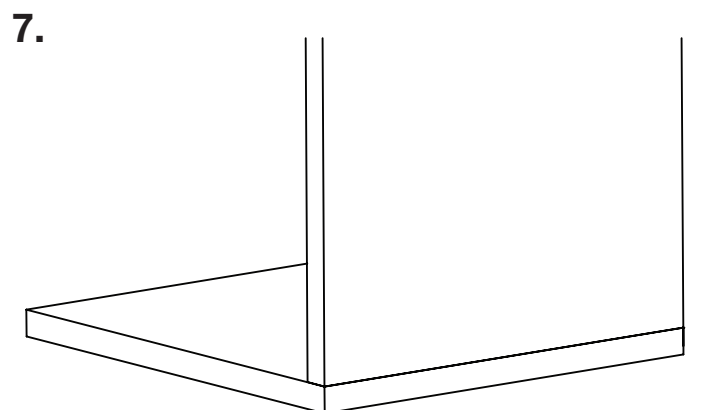
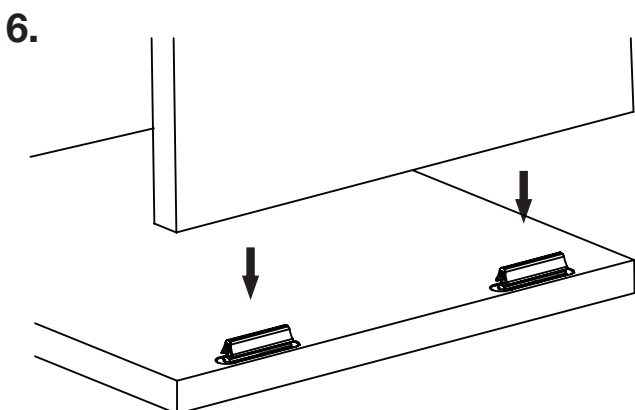
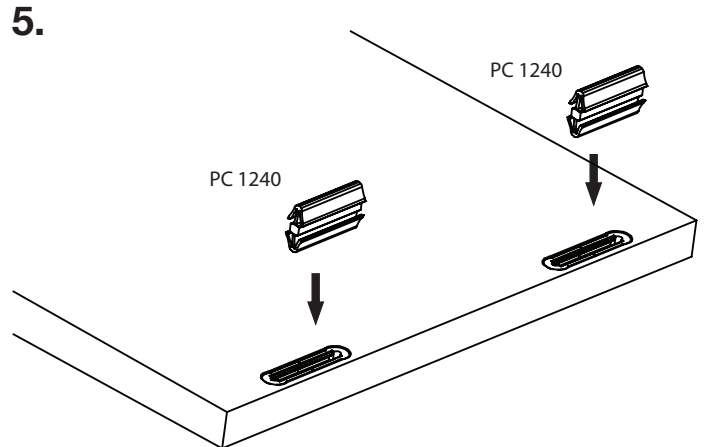
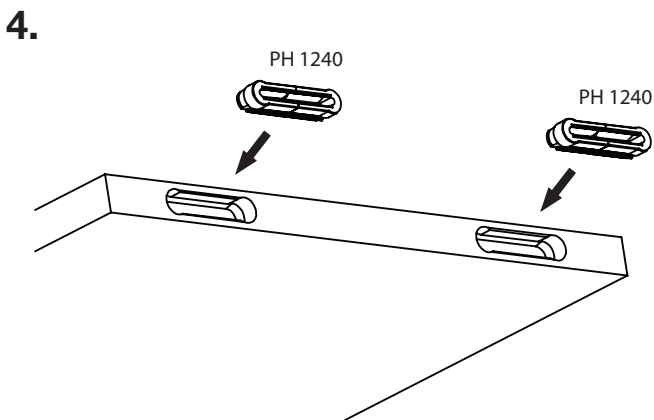
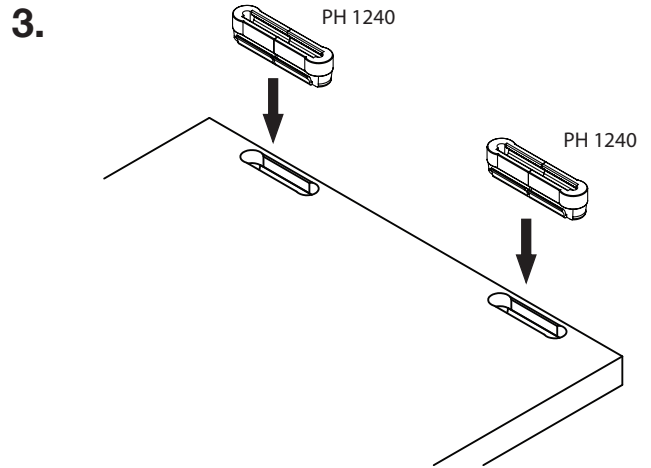
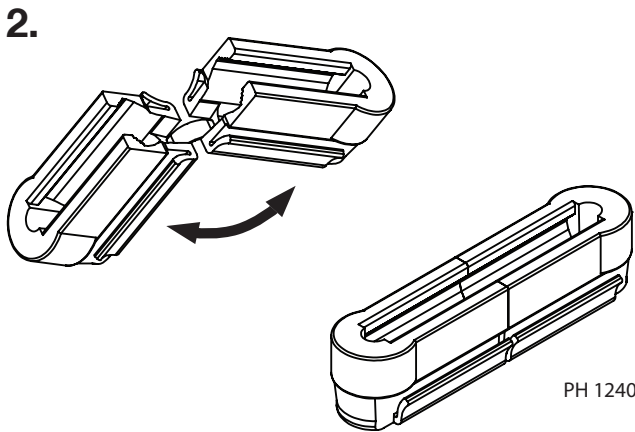
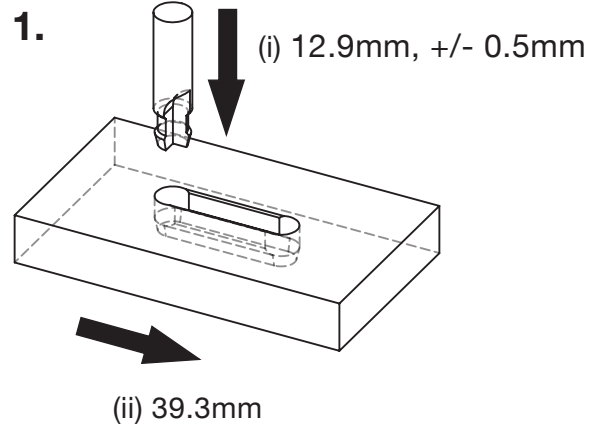
## Milling

- (i) Plunge Depth: 12.9mm, +/- 0.5mm
- (ii) Travel (Centre to Centre): 39.3mm  
Out to Out: 51.3mm

## CNC Speeds

- Plunge: 2.5 Metres
- Travel: 5 Metres - 7.5 Metres
- Rotation: 18,000 Revolutions

*Speeds vary with different materials.*



# RELEASABLE SET FITTING INSTRUCTIONS

- 1 x RH 1240 = RELEASABLE HOUSING
- 1 x RC 1240 = RELEASABLE CONNECTOR
- 1 x PH 1240 = PERMANENT HOUSING

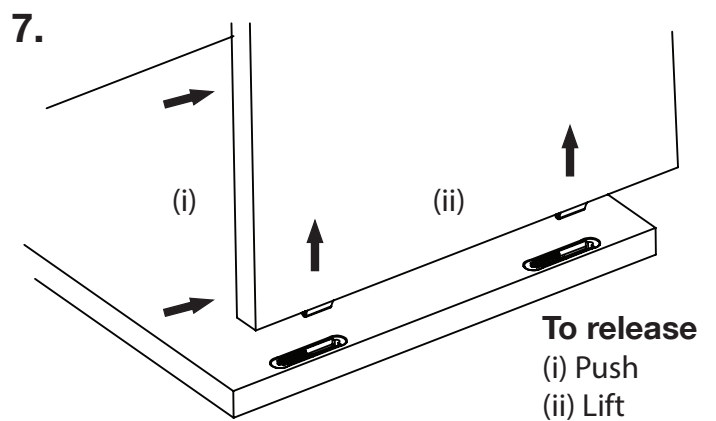
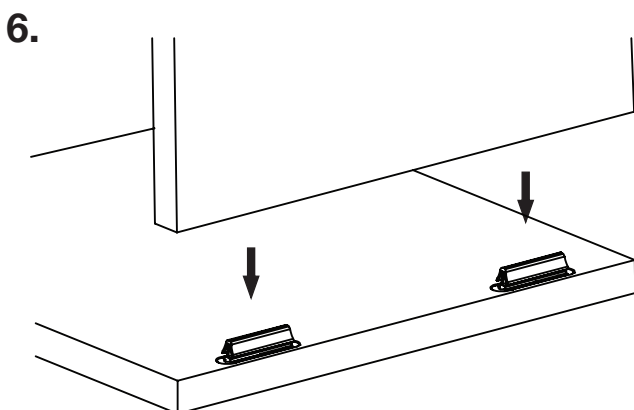
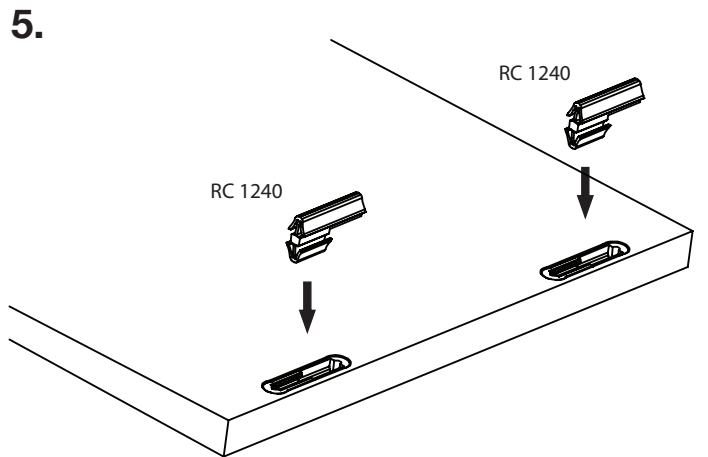
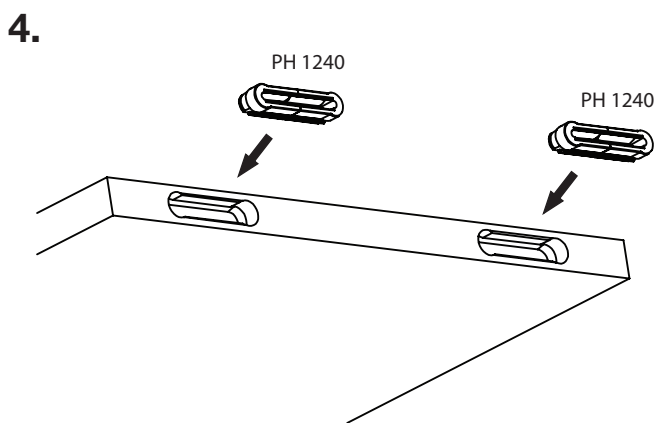
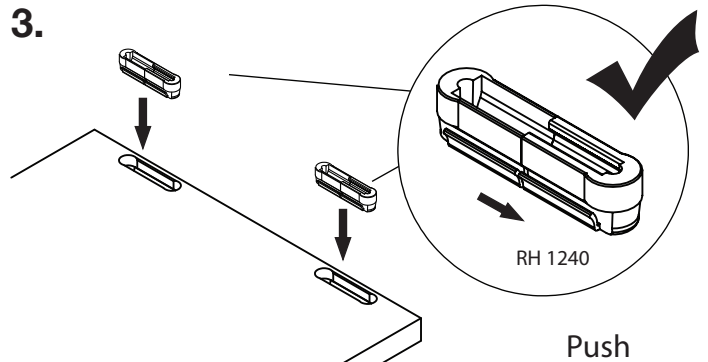
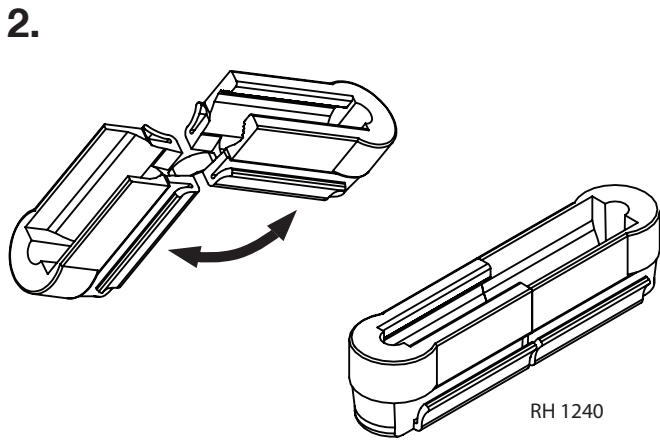
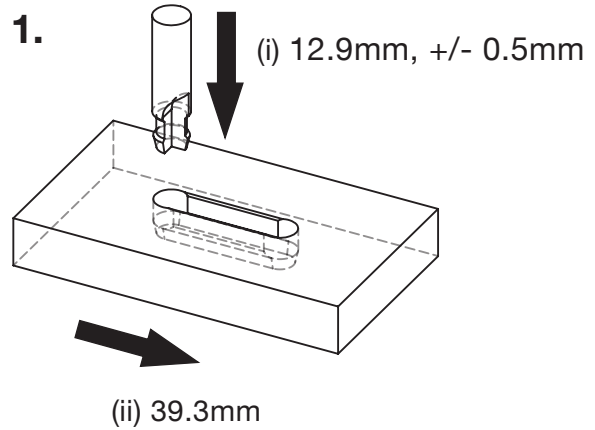
## Milling

- (i) Plunge Depth: 12.9mm, +/- 0.5mm
- (ii) Travel (Centre to Centre): 39.3mm
- Out to Out: 51.3mm

## CNC Speeds

- Plunge: 2.5 Metres
- Travel: 5 Metres - 7.5 Metres
- Rotation: 18,000 Revolutions

*Speeds vary with different materials.*



# Important! Set Depth Correctly

## OVVO® 1240 Connection System



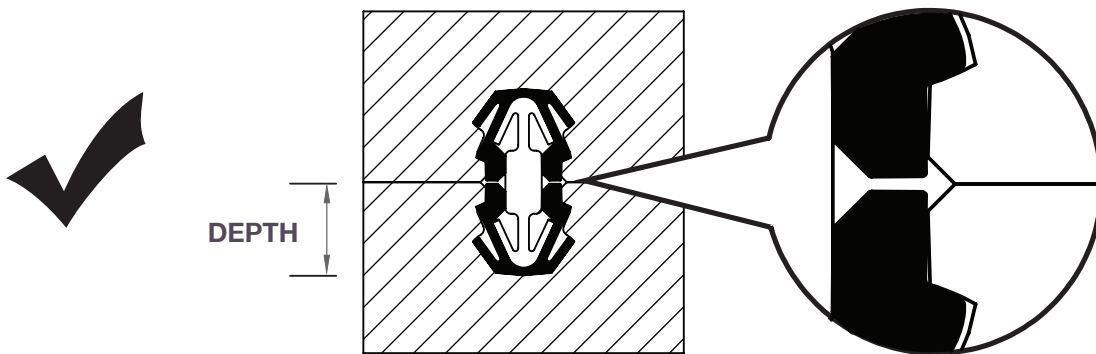
**IMPORTANT! MAKE A TEST**  
**WICHTIG! MACHEN SIE EINEN TEST**  
**IMPORTANT! FAIRE UN TEST**  
**IMPORTANTE! FARE UN TEST**  
**IMPORTANTE! HACER UNA PRUEBA**

### RECOMMENDED DEPTH TOLERANCES

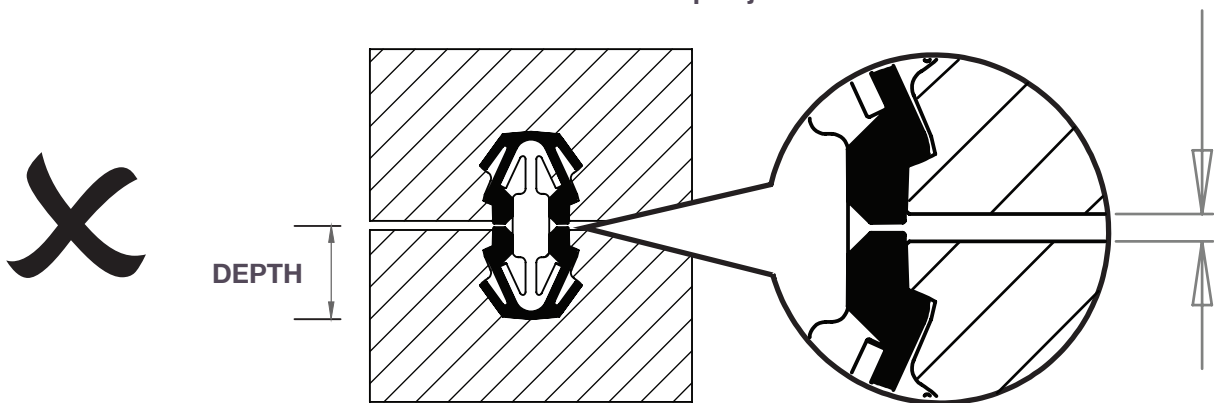
1240

12.9mm, +/- 0.5mm

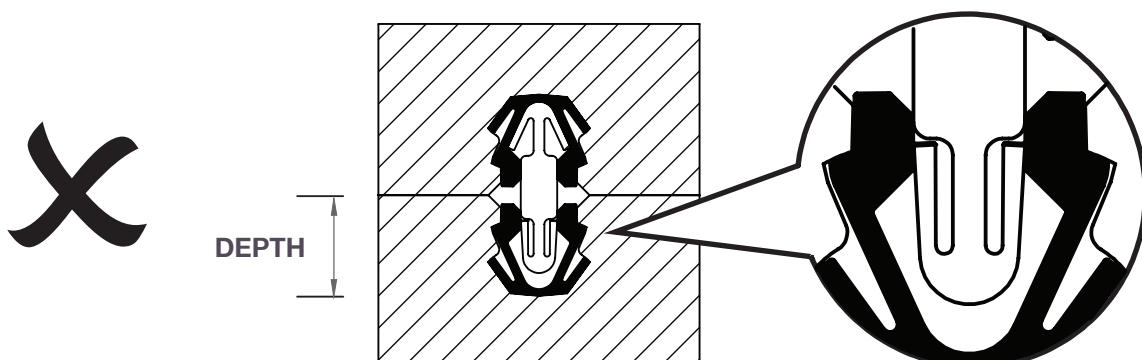
Set the depth tolerance to 12.9mm and adjust +/- 0.5mm if required



Less than 12.4mm will create an open joint



Greater than 13.4mm connector wing can not lock

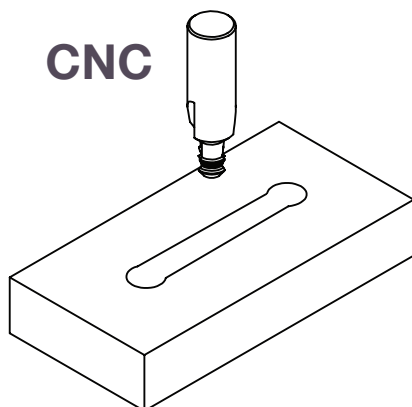




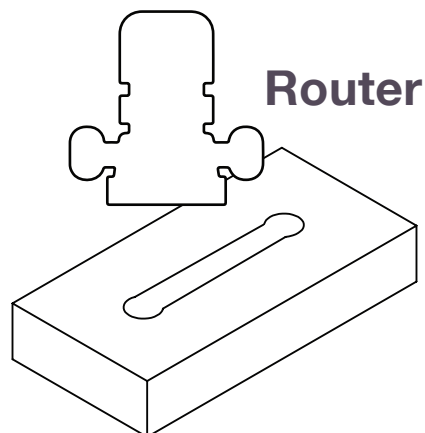
# Depth Setting Guide

## OVVO® 1240 Connection System

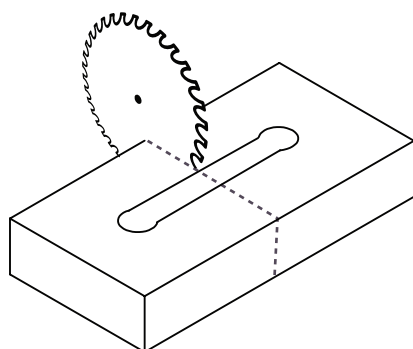
- 1.** Make a long cut with your tooling. Approximately 200mm long and 12.9mm depth



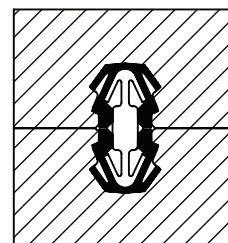
or



- 2.** Cut in half

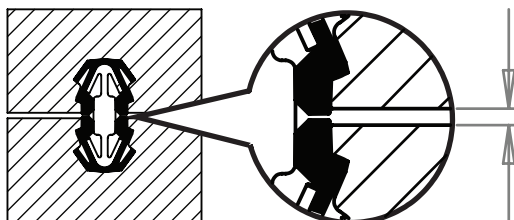


- 3.** Insert Connection Set and check depth.

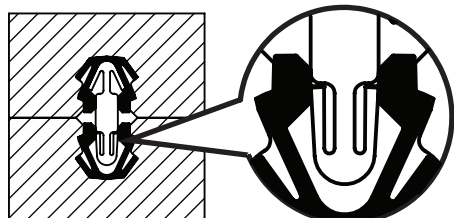


**X** Depth incorrect

Open joint?  
Increase depth.



Wings not locking?  
Reduce depth.



**✓** Depth correct

