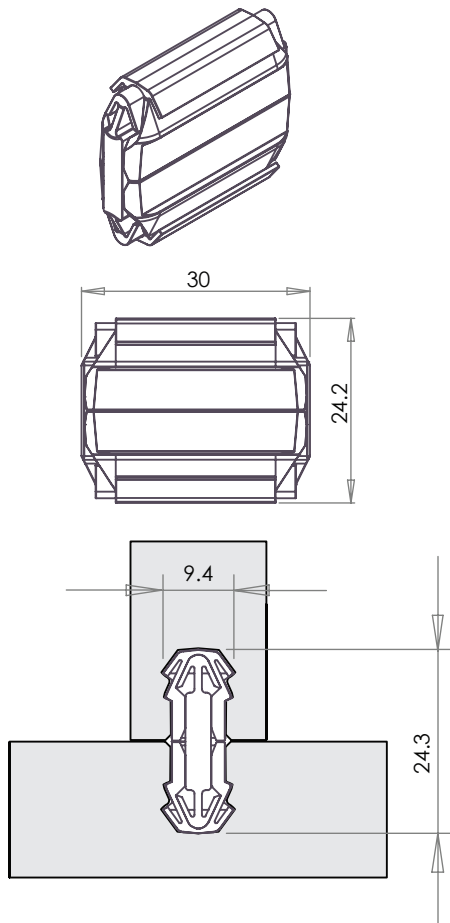


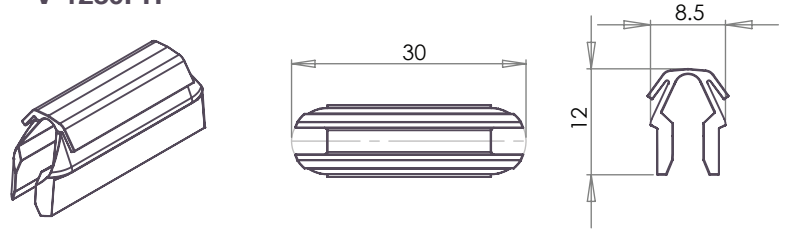
# OVVO® V Connection System

## V-1230 Permanent Specifications

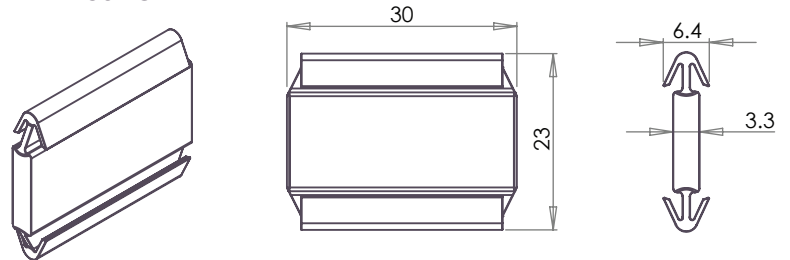
### V-1230 Permanent



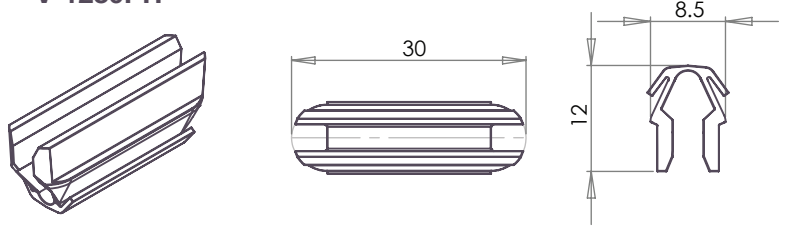
### V-1230PH



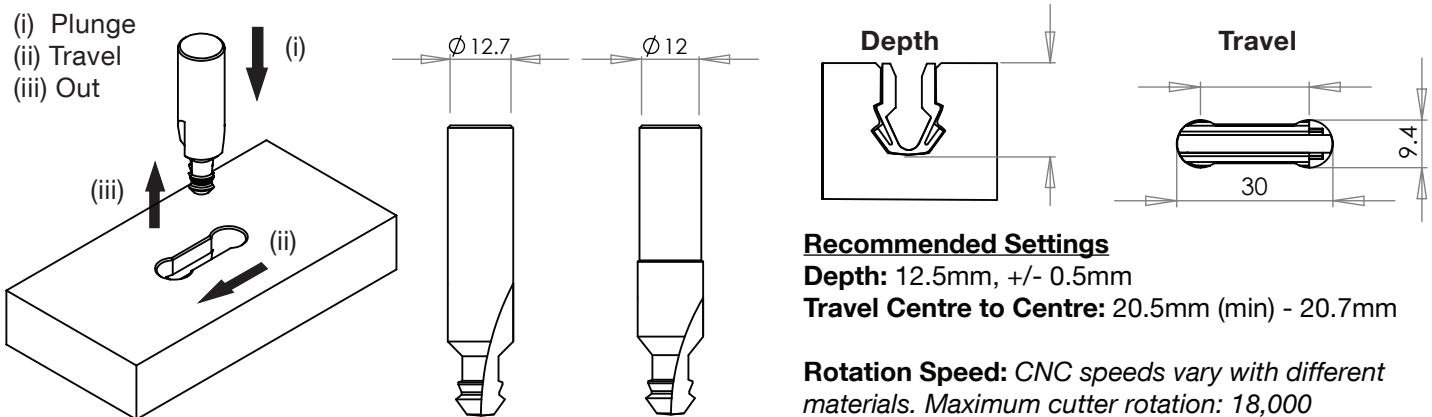
### V-1230PC



### V-1230PH



- (i) Plunge
- (ii) Travel
- (iii) Out



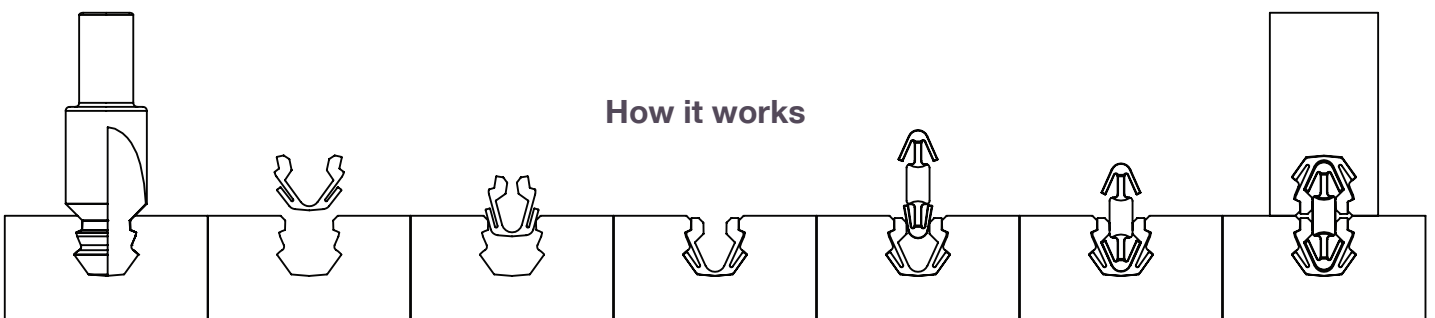
#### Recommended Settings

**Depth:** 12.5mm, +/- 0.5mm

**Travel Centre to Centre:** 20.5mm (min) - 20.7mm

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

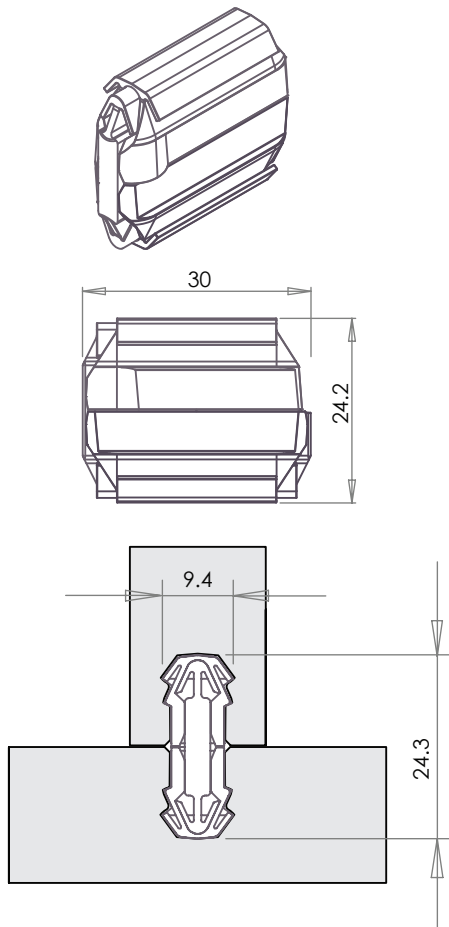
### How it works



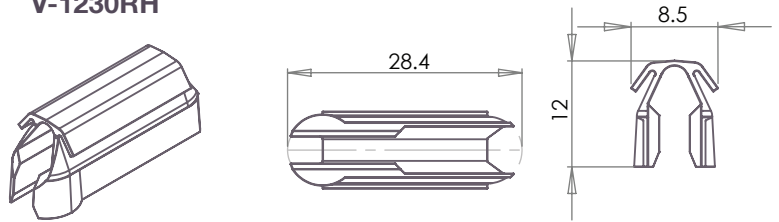
# OVVO® V Connection System

## V-1230 Releasable Specifications

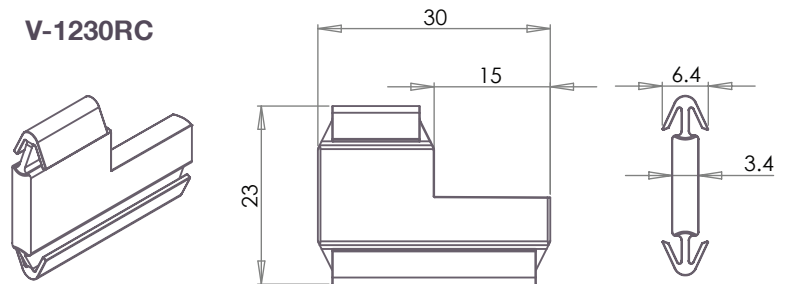
### V-1230 Releasable



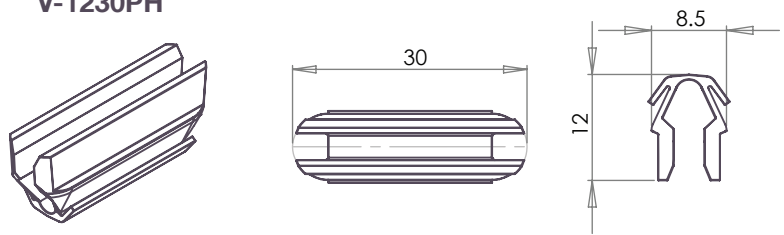
### V-1230RH



### V-1230RC



### V-1230PH



(i) Plunge  
(ii) Travel  
(iii) Out

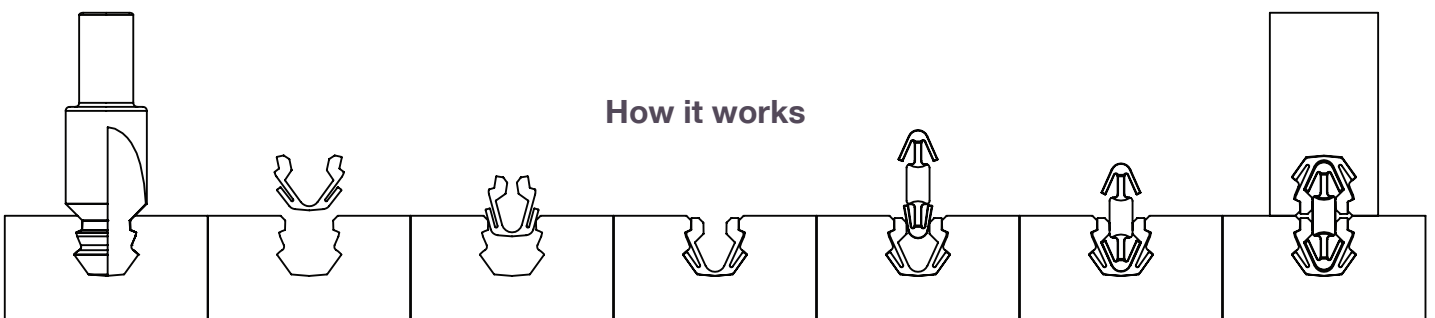
**Depth**

**Travel**

**Recommended Settings**  
**Depth:** 12.5mm, +/- 0.5mm  
**Travel Centre to Centre:** 20.5mm (min) - 20.7mm

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

### How it works



# V-1230 Recommended Minimum Board Depth

Recommended minimum board depth or thickness values for the V-1230 will change depending on both the substrate material used as well as the joint angle.



Fig 1



Fig 2

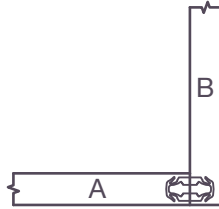


Fig 3

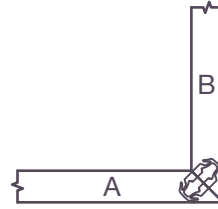


Fig 4

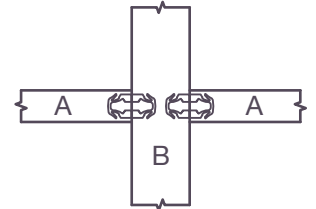


Fig 5

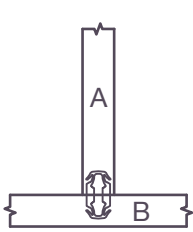


Fig 6

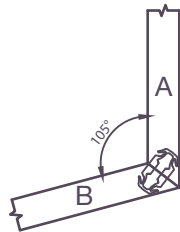


Fig 7

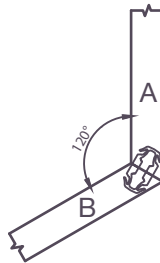


Fig 8

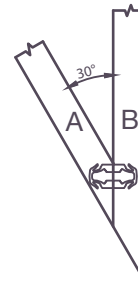


Fig 9

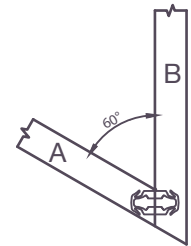


Fig 10

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

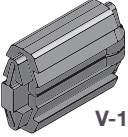
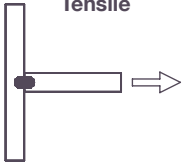
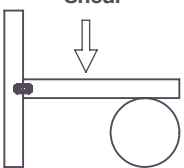
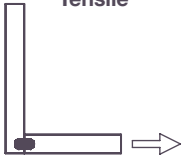
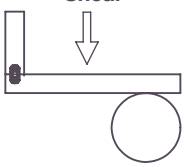
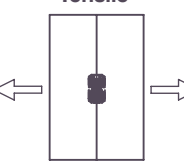
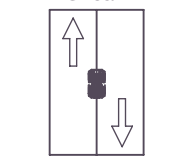
	HPL, Composite, Solid Surface, Hardwoods, Birch Plywood	
	A	B
Fig 1	12mm	12mm
Fig 2	15mm	15mm
Fig 3	12mm	15mm
Fig 4	15mm	15mm
Fig 5	12mm	30mm
Fig 6	12mm	15mm
Fig 7	16mm	16mm
Fig 8	16mm	16mm
Fig 9	16mm	16mm
Fig 10	16mm	16mm

	Particle/Chipboard, Softwoods, MDF	
	A	B
Fig 1	15mm	15mm
Fig 2	15mm	15mm
Fig 3	15mm	15mm
Fig 4	15mm	15mm
Fig 5	15mm	30mm
Fig 6	15mm	15mm
Fig 7	16mm	16mm
Fig 8	18mm	18mm
Fig 9	16mm	16mm
Fig 10	18mm	18mm

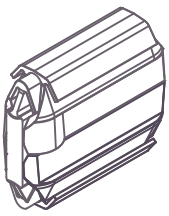
These are guidelines only and OVVO® recommends trial connections be made before going into full production.

# OVVO® V Connection System

## V-1230 Shear & Tensile

 V-1230	18mm Chipboard		18mm MDF		18mm Plywood		12mm Plywood		12mm HPL	
	Permanent	Releasable	Permanent	Releasable	Permanent	Releasable	Permanent	Releasable	Permanent	Releasable
<b>Tensile</b>  2 x V-0930 per test	75kg	62.5kg	80kg	50kg	165kg	100kg	90kg	69kg	-	-
<b>Shear</b>  2 x V-0930 per test	180kg	155kg	210kg	155kg	570kg	390kg	200kg	130kg	-	-
<b>Tensile</b>  2 x V-0930 per test	47.5kg	47.5kg	-	-	-	-	-	-	-	-
<b>Shear</b>  2 x V-0930 per test	100kg	100kg	-	-	-	-	-	-	-	-
<b>Tensile</b>  1 x V-0930 per test	60kg	35kg	60kg	40kg	-	-	100kg	50kg	120kg	60kg
<b>Shear</b>  1 x V-0930 per test	125kg	84kg	165kg	105kg	-	-	200kg	125kg	275kg	165kg

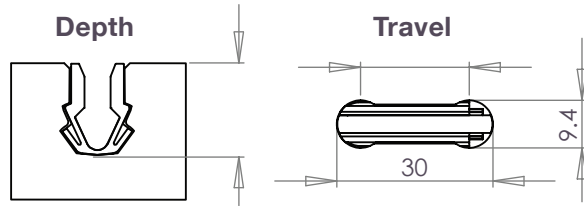
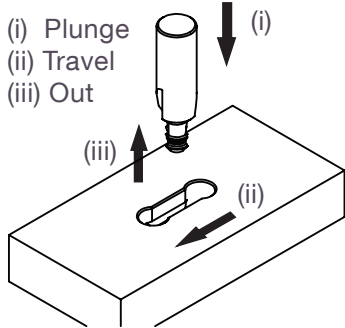




# V-1230

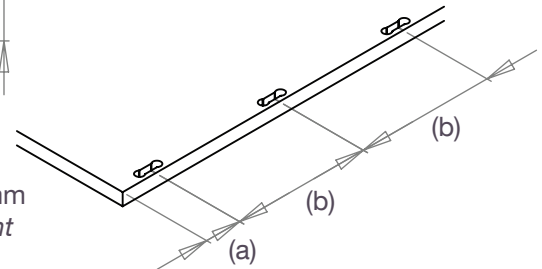
## Releasable Instructions

### 1. Milling



#### Recommended Spacing

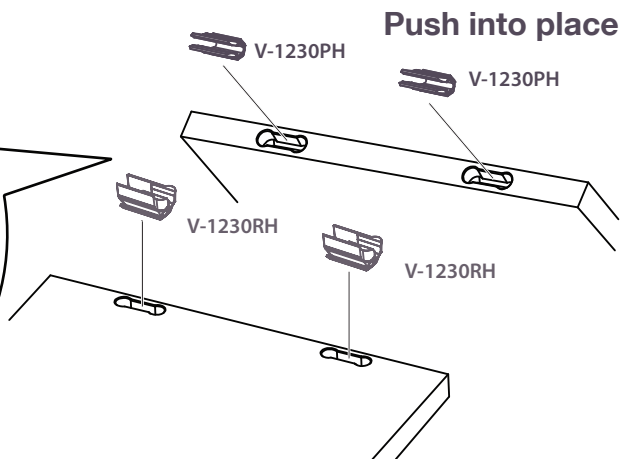
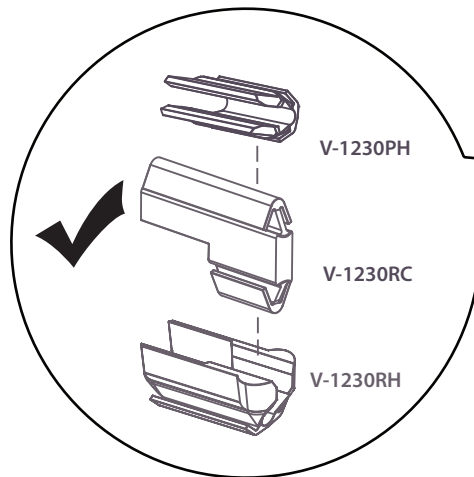
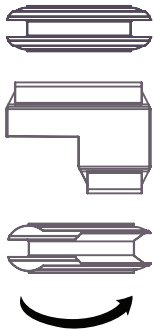
- (a): 35mm to 80mm
- (b): 100mm to 250mm



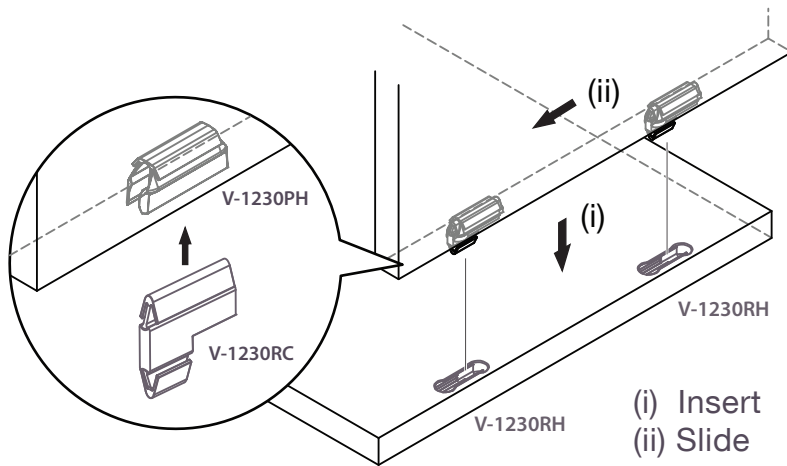
#### Recommended Settings

**Depth:** 12.5mm, +/- 0.5mm  
**Travel Centre to Centre:** 20.5mm (min) - 20.7mm  
**Rotation Speed:** CNC speeds vary with different materials. Maximum cutter rotation: 18,000

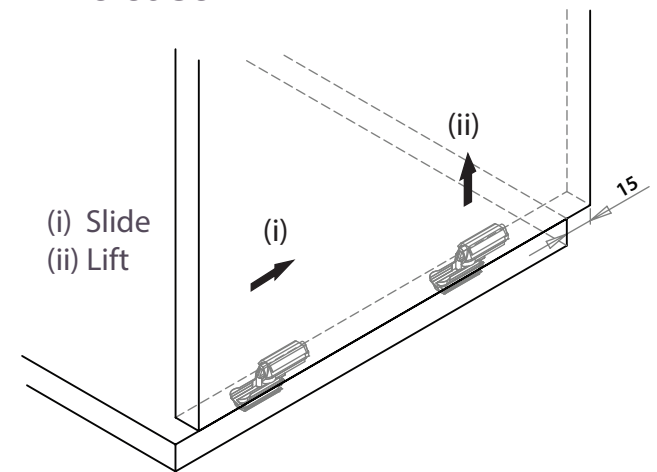
### 2. Housing



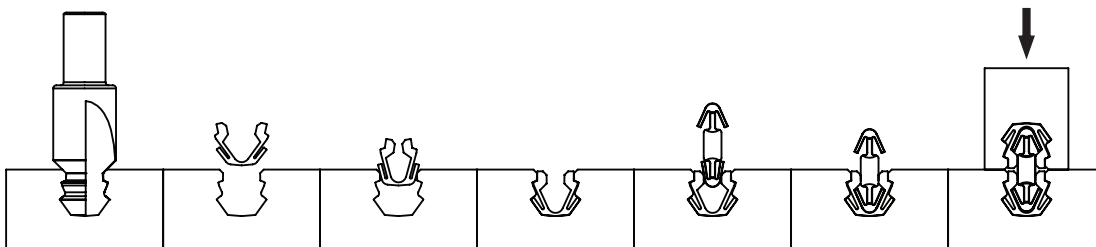
### 3. Assembly - Simply slide to connect



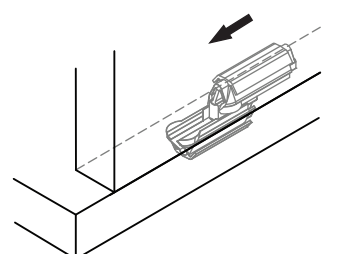
### 4. Release

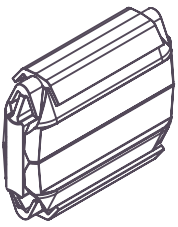


### How it works



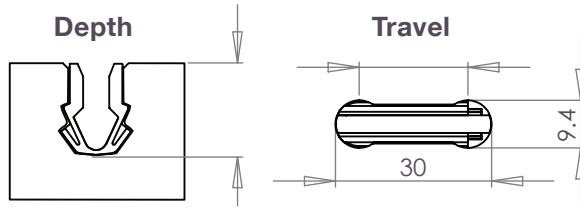
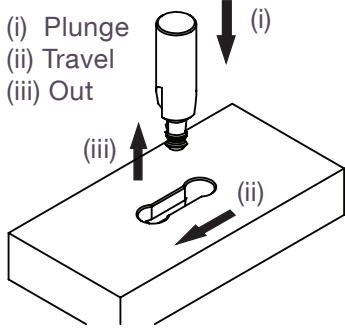
### Simply slide to connect





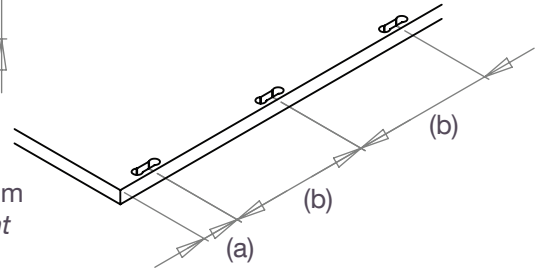
# V-1230 Permanent Instructions

## 1. Milling



### Recommended Spacing

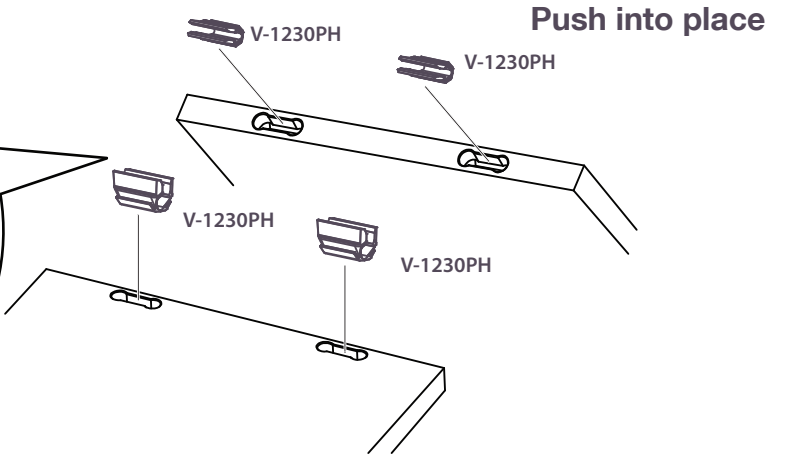
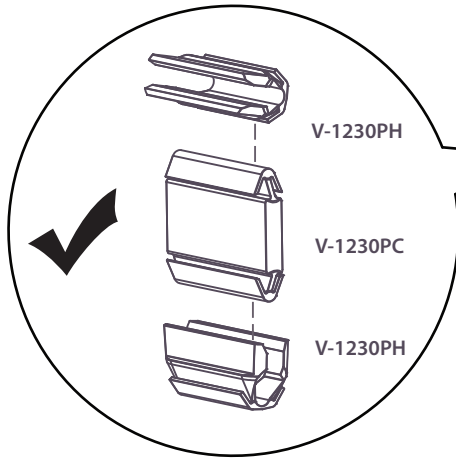
- (a): 35mm to 80mm
- (b): 150mm to 350mm



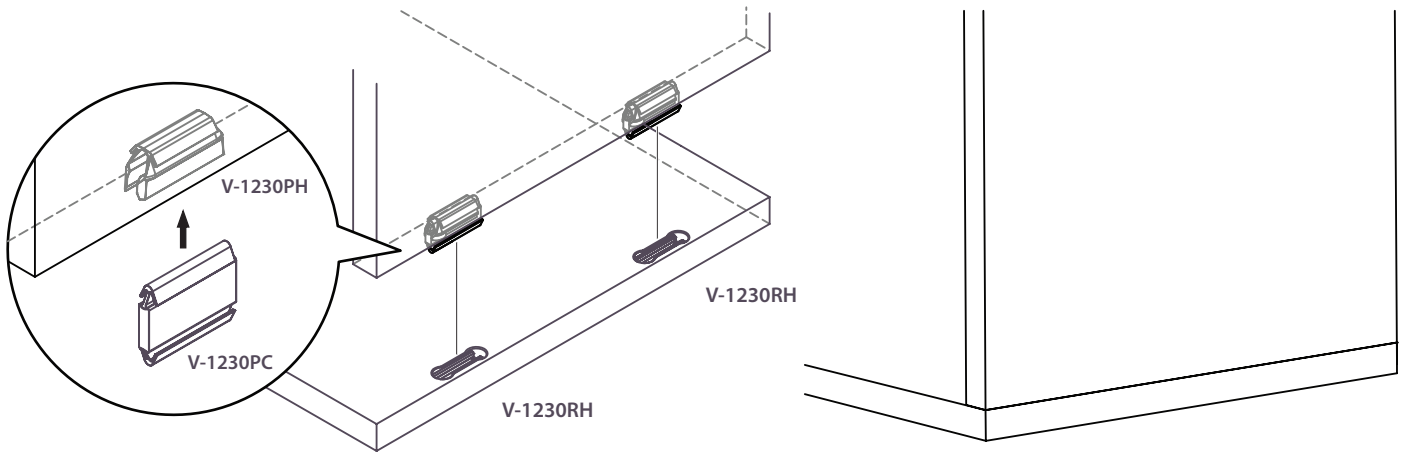
### Recommended Settings

**Depth:** 12.5mm, +/- 0.5mm  
**Travel Centre to Centre:** 20.5mm (min) - 20.7mm  
**Rotation Speed:** CNC speeds vary with different materials. Maximum cutter rotation: 18,000

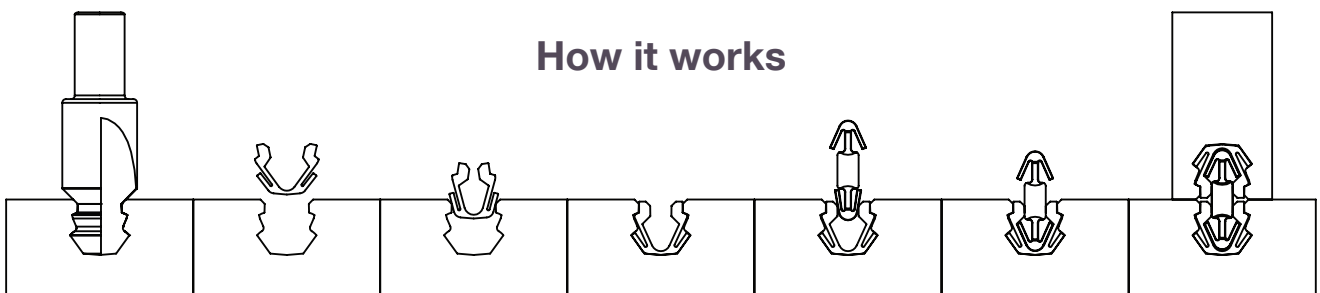
## 2. Housing



## 3. Assembly - Simply push into place to connect



## How it works



# Important! Set Depth Correctly

## OVVO® V-1230 Connection System

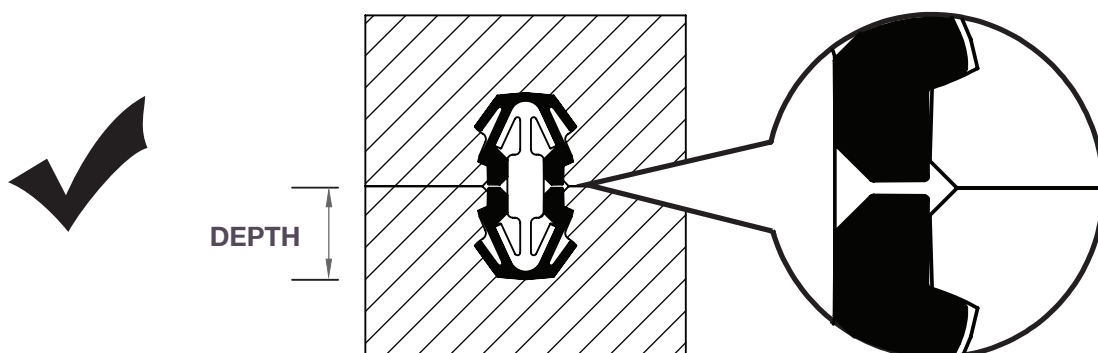


IMPORTANT! MAKE A TEST  
WICHTIG! MACHEN SIE EINEN TEST  
IMPORTANT! FAIRE UN TEST  
IMPORTANTE! FARE UN TEST  
IMPORTANTE! HACER UNA PRUEBA

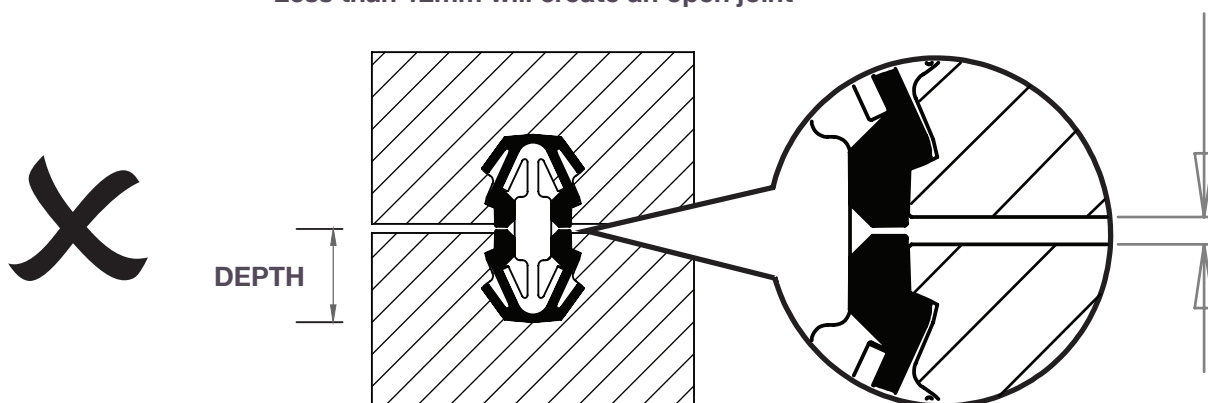
### RECOMMENDED DEPTH TOLERANCES

V-1230	12.5mm, +/- 0.5mm
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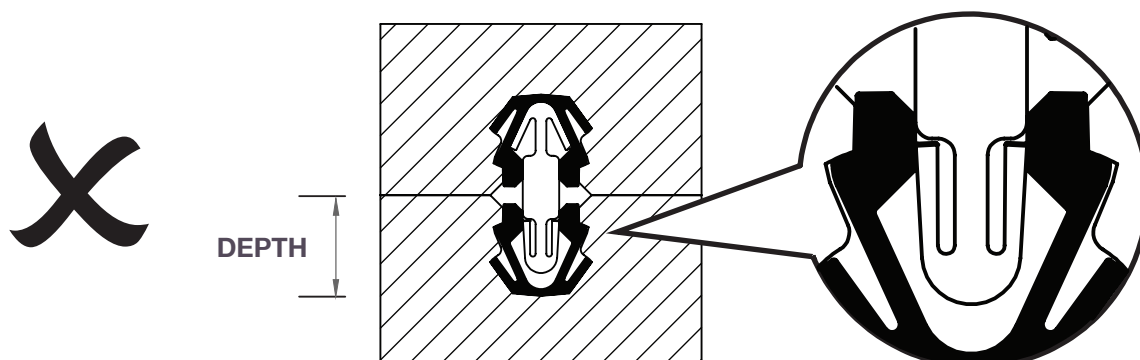
Set the depth tolerance to 12.5mm and adjust +/- 0.5mm if required



Less than 12mm will create an open joint



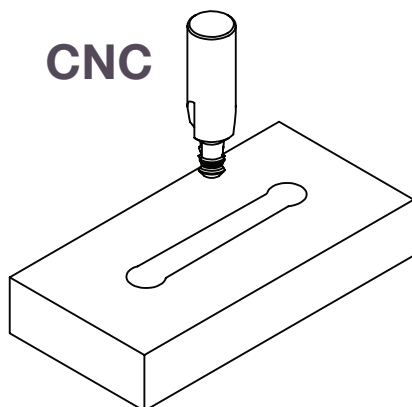
Greater than 13mm connector wing can not lock



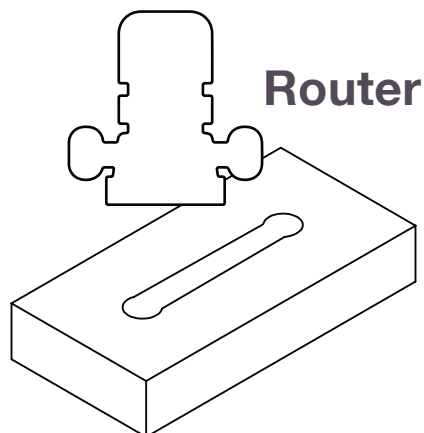
# Depth Setting Guide

## OVVO® V-1230 Connection System

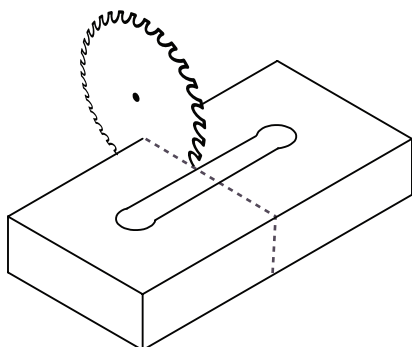
- 1.** Make a long cut with your tooling. Approximately 200mm long and 12.5mm depth



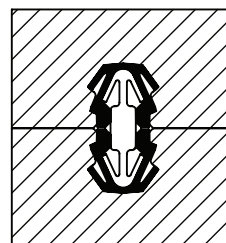
or



- 2.** Cut in half

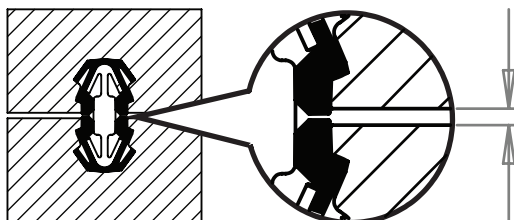


- 3.** Insert Connection Set and check depth.

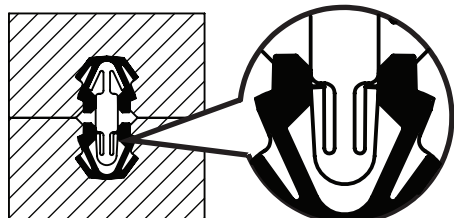


**X** Depth incorrect

Open joint?  
Increase depth.



Wings not locking?  
Reduce depth.



**✓** Depth correct

