

## VEEVA RANGE

### Heavy duty straight & curved seating

The Veeva range is characterised by the wedge-shape seat supports, heavy duty timbers and its array of standard configuration options. Veeva offers independent units and modules that can be joined side-by-side to form longer seating runs, both in straight lines and four standard curved sizes. Curved modules can furthermore be arranged in full or broken circles and wave-forms. Backrests are straight, including those on curved seating, providing a cost-effective add-on feature that is available on all but the smallest radius version. Armrests are offered on all seating configurations. Iroko hardwood slats are arranged in a front-to-back orientation on straight and curved seating. On the straight versions only slats can also be used in a side-to-side arrangement, which changes the character of the seat and also reduces costs.



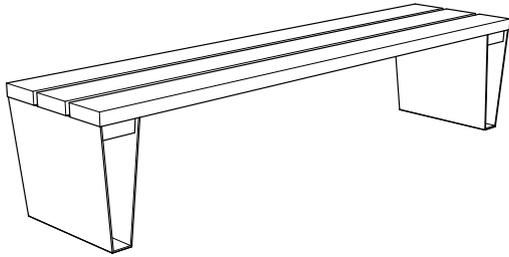
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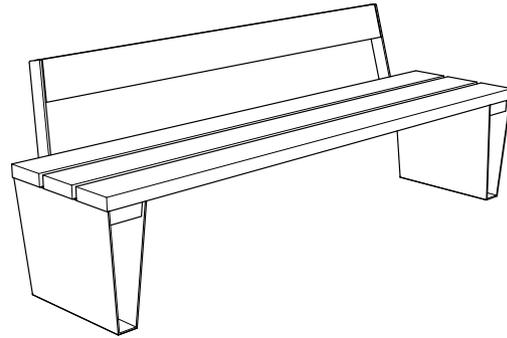
### Independent benches and seats

A stand-alone independent unit is the traditional way of providing seating in many outdoor locations, allowing small groups of people to sit together. Standard length modules of straight and curved units in the Veeva range comfortably accommodate 3 people, and up to 4 at a tighter fit where armrests are not used.



#### Independent Bench

Benches offer double aspect seating, which is useful where there are views or points of interest in both directions. Without a backrest, a bench is ideal as a short term rest point.



#### Independent Seat

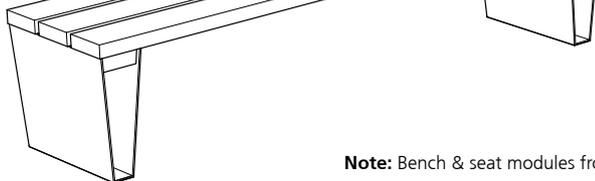
The addition of a backrest improves the comfort of the seat for the user and encourages people to sit for longer.

### Continuous run benches and seats

Longer runs of joined-up seating are a neat solution where high volume seating provision is required, taking up less space and also encouraging more social interaction compared with separated seats. Backrests can be used on all or just selected modules as required, as shown in this illustration.

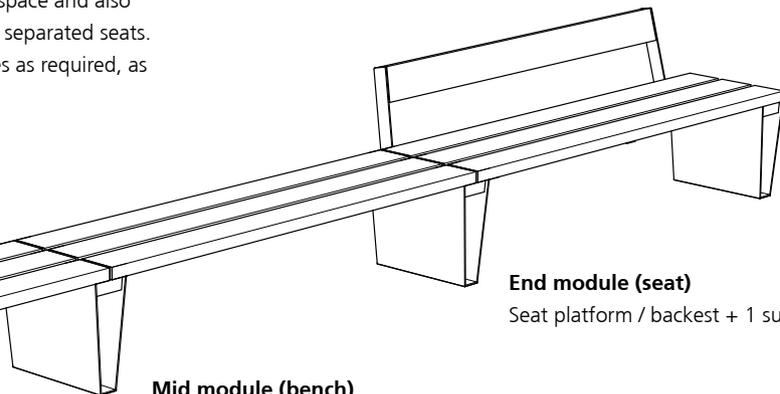
#### Starter module (bench)

Seat platform + 2 supports



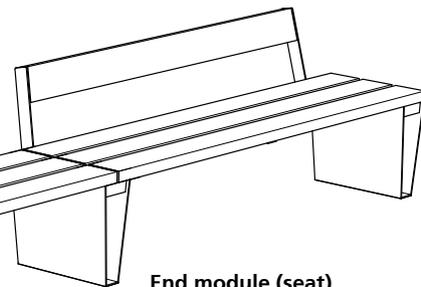
#### Mid module (bench)

Seat platform + 1 support



#### End module (seat)

Seat platform / backrest + 1 support

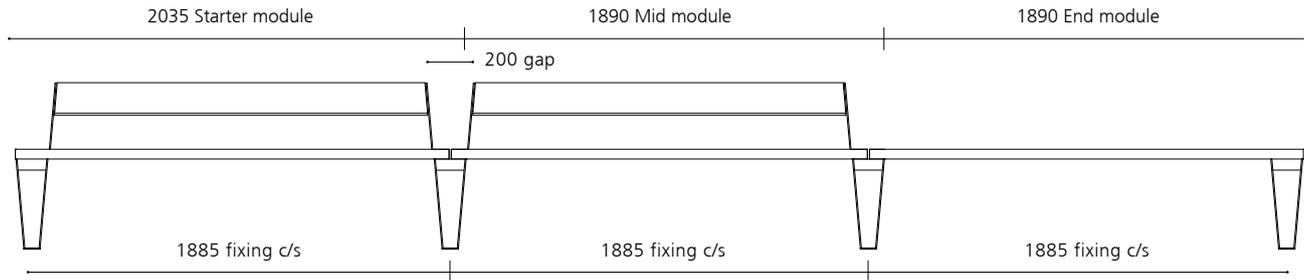


**Note:** Bench & seat modules from the same family (straight + curved x 4 sizes) can be adjoined to form continuous seating runs, but cannot be mixed across families, e.g. straight modules cannot be joined to curved modules.

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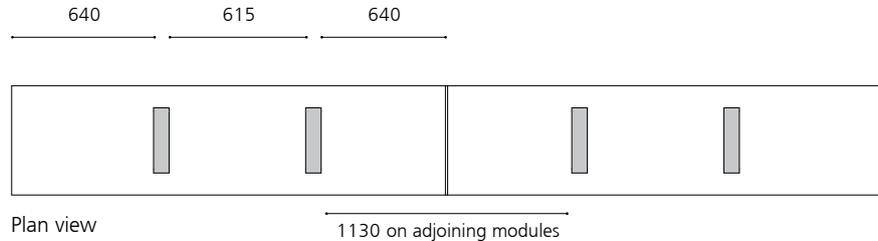
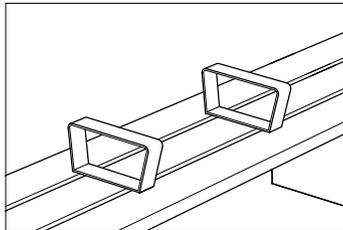
## Continuous run seating dimensions

The illustration below shows the points of measurement for starter, mid and end modules in a continuous straight seating run, and also the ground fixing points.



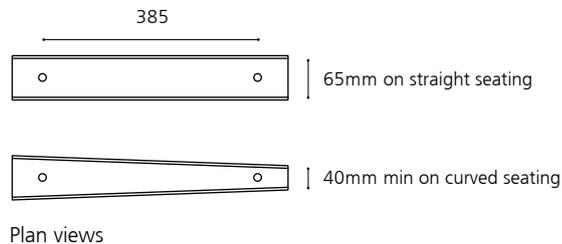
## Armrests

Armrests define individual seating spaces and are particularly useful to less able-bodied people as an aid to lowering onto and alighting from a seat. Placement of armrests can also deter rough sleeping. The positions of armrests on all Veeva seating are pre-determined, set out as shown below, to provide a comfortable seating width and not to divide the seat into areas that result in unusable 'dead space'.



## Installation

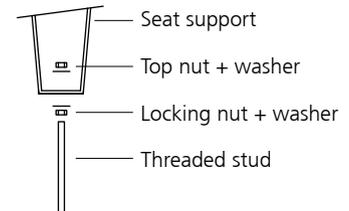
Each steel support on all Veeva seating units is pre-drilled with 2 no. holes for M10 ground fixings (not supplied). The internal spaces between the side plates of the supports are shown below. If there is insufficient space to use a spanner or socket to tighten a fixings, we suggest that a stud is pre-fixed to the underside of the support, which can then be set into a concrete foundation block or a cored hole in the paving.



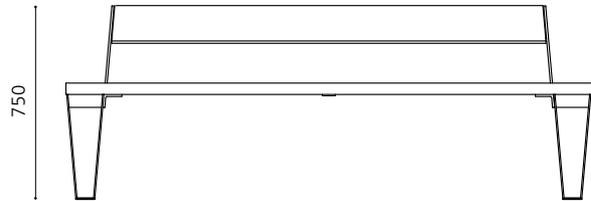
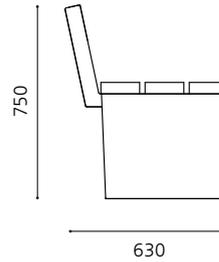
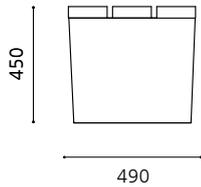
### Pre-fixing a stud

Insert stud through support fixing hole and hand tighten the top nut.

Tighten locking nut onto stud on underside of support, holding top nut with a spanner to prevent rotation.



## VEEVA RANGE



### VEEVA STRAIGHT WITH SIDE-TO-SIDE PLATFORM SLATS

Standard assembly: steel supports & frames (where applicable) for bolt-down fixing in triple processed finish, with iroko timber slats in smooth planed finish

#### BENCHES

##### VEEB2035

Independent, 2035mm long

##### VEEB204S

Starter module, 2035mm long

##### VEEB189M

Mid module, 1890mm long

##### VEEB189E

End module, 1890mm long

#### SEATS WITH BACKRESTS

##### VEE2035

Independent, 2035mm long

##### VEE204S

Starter module, 2035mm long

##### VEE189M

Mid module, 1890mm long

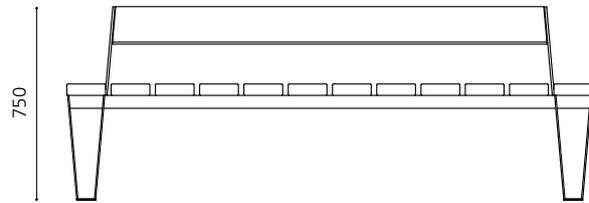
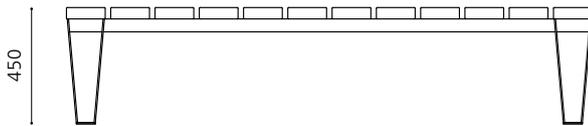
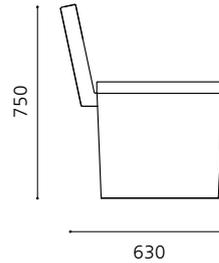
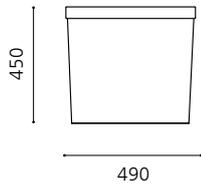
##### VEE189E

End module, 1890mm long

#### OPTIONS:

- Armrest(s), triple process coated (PPC) finish
- Steelwork in polyester powder coated finish to any RAL colour reference, over plain steel or galvanising
- Timbers with UV protective finish

## VEEVA RANGE



### VEEVA STRAIGHT WITH FRONT-TO-BACK PLATFORM SLATS

Standard assembly: steel supports & frames (where applicable) for bolt-down fixing in triple processed finish, with iroko timber slats in smooth planed finish

#### BENCHES

**VEEFB2035**

Independent, 2035mm long

**VEEFB204S**

Starter module, 2035mm long

**VEEFB189M**

Mid module, 1890mm long

**VEEFB189E**

End module, 1890mm long

#### SEATS WITH BACKRESTS

**VEEF2035**

Independent, 2035mm long

**VEEF204S**

Starter module, 2035mm long

**VEEF189M**

Mid module, 1890mm long

**VEEF189E**

End module, 1890mm long

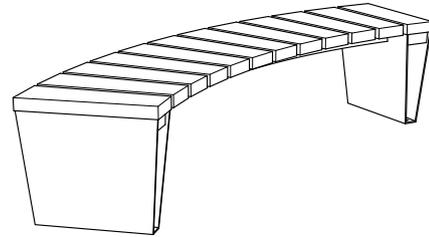
#### OPTIONS:

- Armrest(s), triple process coated (PPC) finish
- Steelwork in polyester powder coated finish to any RAL colour reference, over plain steel or galvanising
- Timbers with UV protective finish

## VEEVA RANGE

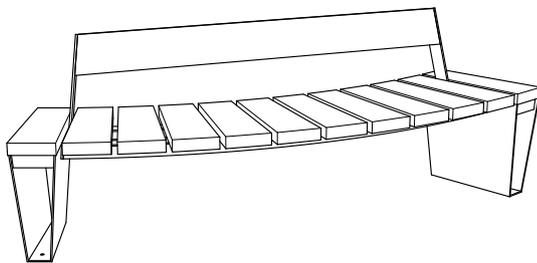
### Standard curved options to suit most sites

Curved seats and benches serve to visually break up orthogonal site layouts and emphasise features such as trees. They can be used independently, in pairs or multiples to create arcs and wave-forms, or linked to form complete circles. Four radii - from 1.8m up to to 3.6m - are offered as standard in the Veeva range, all configured around a given number of units to form a complete circle, with each segment designed to accommodate 3 people. Backrests are straight and are inset from the ends of the seating platforms, meaning the backrest is not continuous when curved modules are directly adjoined. Unlike most other seating in our range, the timber slats on curved Veeva seating are tapered in plan so that the gaps between slats are parallel.



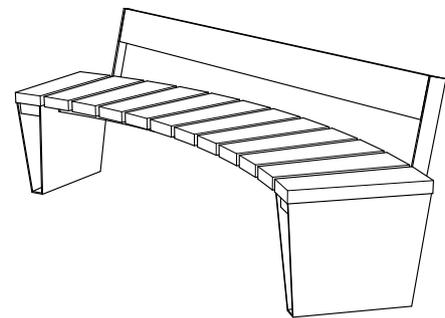
### Bench

Benches are a popular choice where access can be gained from both sides, allowing people to sit facing opposite directions. Benches are most often used for 'short stay' seating locations.



### Seat - internal backrest

Most often used around features such as specimen trees, and ideal for outward-looking situations. The backrest provides a comfortable support for longer term seating.



### Seat - external backrest

These seats are often used to focus on a central feature in the landscape or to provide a visually softer alternative to angular corner seating.

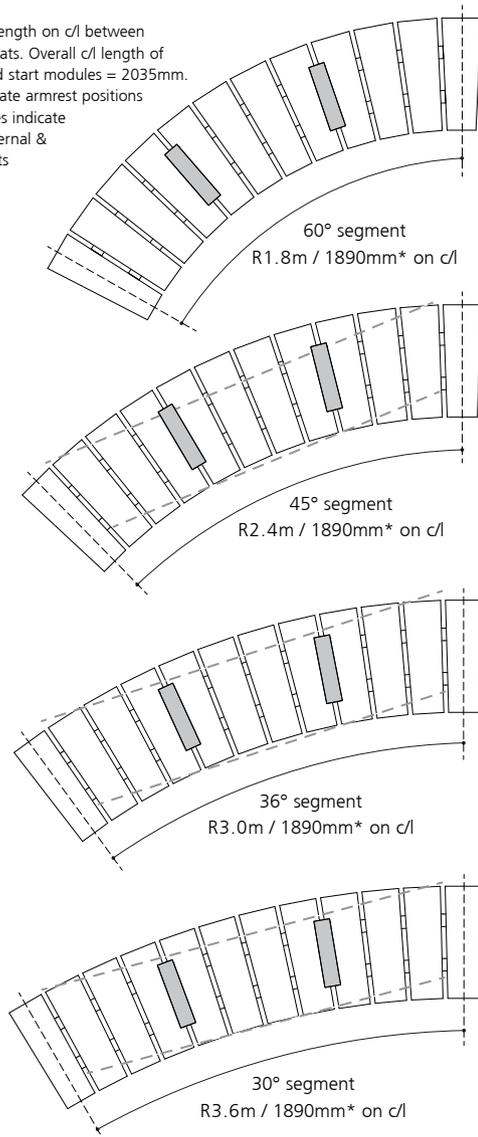
# VEEVA RANGE

## OPTIONS:

- Armrest(s) in standard positions to provide comfortable seating place widths, triple process coated (PPC) finish
- Steelwork in polyester powder coated finish to any RAL colour reference, over plain or galvanised steel
- Timbers with UV protective finish

## Notes:

- 1890mm = arc length on c/l between centres of end slats. Overall c/l length of independent and start modules = 2035mm.
- Grey boxes indicate armrest positions
- Grey dashed lines indicate alignment of internal & external backrests



## VEEVA CURVED SEATS & BENCHES

Standard assembly: steel supports & frames for bolt-down fixing in triple processed finish, with iroko timber slats in smooth planed finish

BENCHES	SEATS WITH INTERNAL BACKREST	SEATS WITH EXTERNAL BACKREST
60° / 1.8m radius, 3 person seat & bench units		
<b>VEERB186</b> Independent, 2035mm	n/a	n/a
<b>VEERB18S</b> Starter module, 2035mm	n/a	n/a
<b>VEERB18M</b> Mid module, 1890mm	n/a	n/a
<b>VEERB18E</b> End module, 1890mm	n/a	n/a
45° / 2.4m radius, 3 person seat & bench units		
<b>VEERB248</b> Independent, 2035mm	<b>VEERSX248</b> Independent, 2035mm	<b>VEERSV248</b> Independent, 2035mm
<b>VEERB24S</b> Starter module, 2035mm	<b>VEERSX24S</b> Starter module, 2035mm	<b>VEERSV24S</b> Starter module, 2035mm
<b>VEERB24M</b> Mid module, 1890mm	<b>VEERSX24M</b> Mid module, 1890mm	<b>VEERSV24M</b> Mid module, 1890mm
<b>VEERB24E</b> End module, 1890mm	<b>VEERSX24E</b> End module, 1890mm	<b>VEERSV24E</b> End module, 1890mm
36° / 3.0m radius, 3 person seat & bench units		
<b>VEERB3010</b> Independent, 2035mm	<b>VEERSX3010</b> Independent, 2035mm	<b>VEERSV3010</b> Independent, 2035mm
<b>VEERB30S</b> Starter module, 2035mm	<b>VEERSX30S</b> Starter module, 2035mm	<b>VEERSV30S</b> Starter module, 2035mm
<b>VEERB30M</b> Mid module, 1890mm	<b>VEERSX30M</b> Mid module, 1890mm	<b>VEERSV30M</b> Mid module, 1890mm
<b>VEERB30E</b> End module, 1890mm	<b>VEERSX30E</b> End module, 1890mm	<b>VEERSV30E</b> End module, 1890mm
30° / 3.6m radius, 3 person seat & bench units		
<b>VEERB3612</b> Independent, 2035mm	<b>VEERSX3612</b> Independent, 2035mm	<b>VEERSV3612</b> Independent, 2035mm
<b>VEERB36S</b> Starter module, 2035mm	<b>VEERSX36S</b> Starter module, 2035mm	<b>VEERSV36S</b> Starter module, 2035mm
<b>VEERB36M</b> Mid module, 1890mm	<b>VEERSX36M</b> Mid module, 1890mm	<b>VEERSV36M</b> Mid module, 1890mm
<b>VEERB36E</b> End module, 1890mm	<b>VEERSX36E</b> End module, 1890mm	<b>VEERSV36E</b> End module, 1890mm

## VEEVA RANGE

### Ø3.6m CIRCLE C/L (RADIUS 1.8m)



6 x mid  
**Seats 18 people**



1 x starter  
3 x mid  
1 x end  
**Seats 15 people**  
Gap = 1550mm



2 x starter  
2 x end  
**Seats 12 people**  
Gaps = 1550mm



4 x independent  
**Seats 12 people**  
Gaps = 800mm



3 x independent  
**Seats 9 people**  
Gaps = 1550mm

### Ø4.8m CIRCLE C/L (RADIUS 2.4m)



8 x mid  
**Seats 24 people**



1 x starter  
5 x mid  
1 x end  
**Seats 21 people**  
Gap = 1650mm



2 x starter  
2 x mid  
2 x end  
**Seats 18 people**  
Gaps = 1650mm



3 x starter  
3 x end  
**Seats 18 people**  
Gaps = 1100mm



5 x independent  
**Seats 15 people**  
Gaps = 1000mm



4 x independent  
**Seats 12 people**  
Gaps = 1650mm

### Ø6.0m CIRCLE C/L (RADIUS 3.0m)



10 x mid  
**Seats 30 people**



1 x starter  
7 x mid  
1 x end  
**Seats 27 people**  
Gap = 1700mm



2 x starter  
4 x mid  
2 x end  
**Seats 24 people**  
Gaps = 1700mm



3 x starter  
3 x mid  
3 x end  
**Seats 18 people**  
Gaps = 2400mm



6 x independent  
**Seats 18 people**  
Gaps = 1150mm



5 x independent  
**Seats 15 people**  
Gaps = 1700mm

### Ø7.2m CIRCLE C/L (RADIUS 3.6m)



12 x mid  
**Seats 36 people**



1 x starter  
9 x mid  
1 x end  
**Seats 33 people**  
Gap = 1750mm



2 x starter  
6 x mid  
2 x end  
**Seats 30 people**  
Gaps = 1750mm



3 x starter  
3 x mid  
3 x end  
**Seats 27 people**  
Gaps = 1750mm



4 x starter  
4 x end  
**Seats 24 people**  
Gaps = 1750mm



8 x independent  
**Seats 24 people**  
Gaps = 900mm

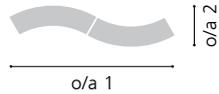


6 x independent  
**Seats 18 people**  
Gaps = 1750mm



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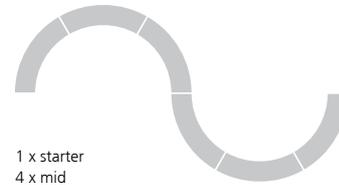
## C/L RADIUS 1.8m MODULES



1 x starter  
1 x end  
**Seats 6 people**  
3850 x 980mm o/a



1 x starter  
2 x mid  
1 x end  
**Seats 12 people**  
6670 x 2300mm o/a



1 x starter  
4 x mid  
1 x end  
**Seats 18 people**  
7700 x 4100mm o/a

## C/L RADIUS 2.4m MODULES



1 x starter  
1 x end  
**Seats 6 people**  
3870 x 870mm o/a



1 x starter  
2 x mid  
1 x end  
**Seats 12 people**  
7140 x 1910mm o/a



1 x starter  
4 x mid  
1 x end  
**Seats 18 people**  
9330 x 3460mm o/a

## C/L RADIUS 3.0m MODULES



1 x starter  
1 x end  
**Seats 6 people**  
3860 x 790mm o/a



1 x starter  
2 x mid  
1 x end  
**Seats 12 people**  
7350 x 1650mm o/a



1 x starter  
4 x mid  
1 x end  
**Seats 18 people**  
10110 x 2970mm o/a

## C/L RADIUS 3.6m MODULES



1 x starter  
1 x end  
**Seats 6 people**  
3860 x 750mm o/a



1 x starter  
2 x mid  
1 x end  
**Seats 12 people**  
7450 x 1460mm o/a



1 x starter  
4 x mid  
1 x end  
**Seats 18 people**  
10540 x 2610mm o/a

