BJERRING

Dreje-Scene

Type: BJERRING V-S

Mobil eller som fast installation

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bjerring-sales.dk – sunswim.dk – bjerring-shop.dk – bjerring-furniture.dk

TURNTABLE MODULAR SYSTEM

Aluminium frame design and panels for variable turntables.

Ventum-S turntables
Rotating ring design

↑ Turntable Ø4.0 m

↑ Turning ring Ø4.0 m expanded to Ø6.0 m

The system:

The Ventum-S rotating ring turntables develop the modular system principle even further in a logical way.

The example of the 8.0 m turntable illustrates the modular system very well: a turntable with a diameter of 8.0 m can also be used for 4.0 m and 6.0 m sizes. Turning rings, which expand the 4.0 m inner ring, can be used separately and combined with each other.

Turntable options:

- Ø4.0 m
- Ø6.0 m
- Ø8.0 m

Turning ring options:

- Ø4.0 m expanded to Ø6.0 m
- Ø4.0 m expanded to Ø8.0 m
- Ø6.0 m expanded to Ø8.0 m

There are therefore six turntable options with a Ventum-S 8.0 m turntable.

The turning rings can also be operated as counter-rotating units.

Key parameters:

- Height: 166.6 mm
- Load rating: 2.5 kN/m^2
  optionally up to 5.0 kN/m^2
- Type of drive: Inner or outer drive system

Dimensions:

- Diameter: 4.0 / 5.0 / 6.0 / 7.0 ... 14.0 m
- Turning rings: from Ø4.0 m
  at 1.0 m-intervals
- Height: 0.166 / 0.200 m

We can provide special dimensions for the intervals, if required.

TURNING RING TURNTABLE Ø8 M IN THE SIX DESIGN OPTIONS

Turntable: Ø4.0 m

Turntable: Ø6.0 m

Turntable: Ø8.0 m

Turning ring: Ø4.0 expanded to Ø6.0 m

Turning ring: Ø6.0 expanded to Ø8.0 m

Turning ring: Ø4.0 expanded to Ø8.0 m

Ventum-S turntables
Bridge design

The system:

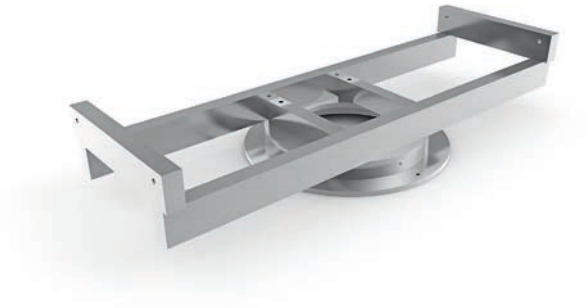
Turntables can be created from bridge structural elements in the Ventum-S modular system. The combination of bridge units with turning centres, wheel sockets and matching parts enables you to use the bridge structural elements that you already own in an ideal manner and generates 50% lower costs than a new aluminium structure. This supplements your use of basic bridge structural elements and allows you to create turntables with the desired diameters.

Dimensions:

- Height: 200 mm
- Diameter: on request

Key parameters:

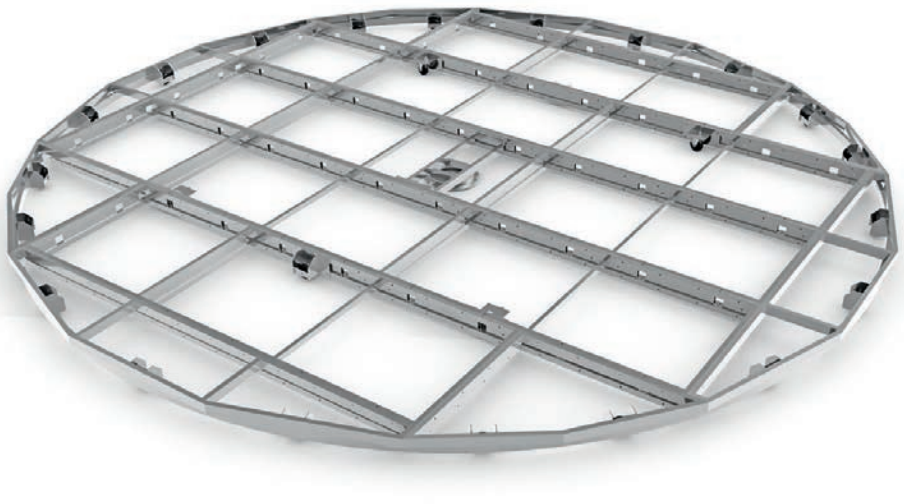
- Load rating: 2.5 kN/m²
  optionally up to 5.0 kN/m²
- Type of drive: internal drive



↑ Turning centre turntable, bridge design

↑ Matching part for turntable, bridge design

↑ Matching part for turntable, bridge design



↑ Turntable, bridge design

Turntable panel

Turntable panel for rotating ring design:

The floor panels are segmented in line with the basic structure and designed with several corners at the crossover areas of the rotating rings. The outer ring for the turntable configuration is round in each case.

The floor panels are equipped with a direct vertical mounting as a standard feature and are laid on the aluminium substructure.

A locking device is available as an option.

↑ Panel for inner circle, rotating ring design

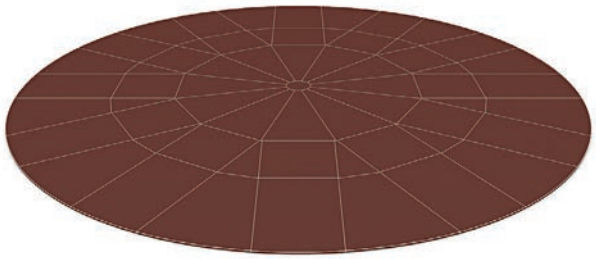
↑ Panel for attached ring, rotating ring design

Turntable panel, bridge design:

The floor panels are used in rectangular form in line with the dimensions of the bridge structural elements and are supplemented with rounded matching parts so that you create the diameters that you require.

The floor panels are equipped with a direct vertical mounting as a standard feature and are laid on the aluminium substructure.

A locking device is available as an option.



↑ Complete panel, rotating ring design

Surfaces:

- Plywood – dark brown, coated with phenol resin (ph)
- Plywood varnished with the colour of ebony
- Other coatings available on request

TURNTABLES, ROTATING RING DESIGN

Product selection

Basic inner ring structure

ITEM	DESCRIPTION	OUTER DIAMETER	MATERIAL	WEIGHT
1	Basic inner ring structure	Ø4.0 m	AL (untreated)	103.0 kg

Polygon, solidly welded individual segments for assembly with screws; central support rotating ring; friction ring on the outer diameter; compatible with 4.0 m attached rings

Height for outer drive 141.6 mm / for inner drive 175 mm

Other diameters available on request!

Basic structure of attached ring

ITEM	DESCRIPTION	INNEN- /OUTER DIAMETER	MATERIAL	WEIGHT
1	Basic structure of attached ring	Ø4.0 m expanded to Ø6.0 m	AL (untreated)	150.0 kg
2	Basic structure of attached ring	Ø4.0 m expanded to Ø7.0 m	AL (untreated)	216.0 kg
3	Basic structure of attached ring	Ø4.0 m expanded to Ø8.0 m	AL (untreated)	245.0 kg
4	Basic structure of attached ring	Ø6.0 m expanded to Ø8.0 m	AL (untreated)	175.0 kg
5	Basic structure of attached ring	Ø6.0 m expanded to Ø9.0 m	AL (untreated)	221.0 kg
6	Basic structure of attached ring	Ø8.0 m expanded to Ø10.0 m	AL (untreated)	462.0 kg
7	Basic structure of attached ring	Ø8.0 m expanded to Ø11.0 m	AL (untreated)	632.0 kg
8	Basic structure of attached ring	Ø8.0 m expanded to Ø12.0 m	AL (untreated)	817.0 kg

Polygon, solidly welded individual segments for assembly with screws; friction ring with outer diameter; compatible with attached rings on the inner and outer diameters; usable as a separate turning ring

Height: for outer drive 141.6 mm /
for inner drive 175 mm

Other diameters available on request!

Complete basic structure

Polygon, solidly welded individual segments for assembly with screws; friction ring with outer diameter; compatible with attached rings.

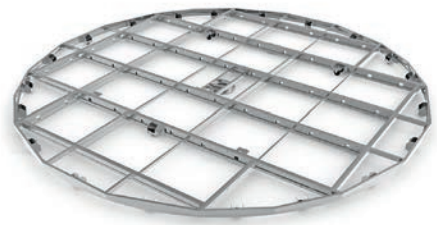
Other diameters available on request!

ITEM	DESCRIPTION	OUTER DIAMETER	MATERIAL	WEIGHT
1	Basic structure of turntable	Ø6.0 m	AL (untreated)	253.0 kg
2	Basic structure of turntable	Ø7.0 m	AL (untreated)	319.0 kg
3	Basic structure of turntable	Ø8.0 m	AL (untreated)	348.0 kg
4	Basic structure of turntable	Ø9.0 m	AL (untreated)	474.0 kg
5	Basic structure of turntable	Ø10.0 m	AL (untreated)	810.0 kg
6	Basic structure of turntable	Ø11.0 m	AL (untreated)	980.0 kg
7	Basic structure of turntable	Ø12.0 m	AL (untreated)	1,165.0 kg

TURNTABLES WITH BRIDGE DESIGN

Product selection

Turntables with bridge design



ITEM	DESCRIPTION
1	Price available on request

Basic structure from bridge structural elements, equipped with turning centre, wheels and drive/control components, supplemented by polygon-shaped matching parts.

TURNTABLE PANELS

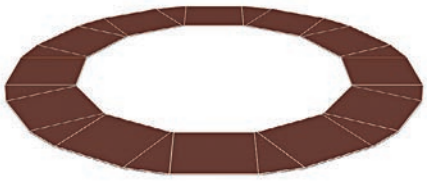
Product selection

Panel for inner circle (coated with phenol resin)

ITEM	DESCRIPTION	OUTER DIAMETER	MATERIAL	WEIGHT
1	Panel for inner circle (m/ph)	Ø4.0 m	Plywood	204.0 kg
2	Panel for inner circle (r/ph)	Ø4.0 m	Plywood	204.0 kg

Plywood, coated dark brown with phenol resin (ph) on the outer diameter, rounded (r) as a separate turntable or polygon-shaped (m) for use with attached rings; segmented according to the basic structure; laid on top

Other diameters available on request!



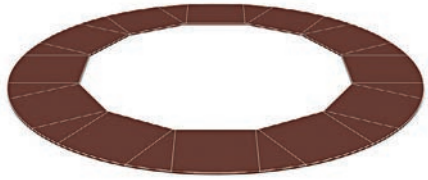
Panel for attached ring (polygon-shaped/coated with phenol resin)

ITEM	DESCRIPTION	INNEN- /OUTER DIAMETER	MATERIAL	WEIGHT
1	Panel for attached ring (m/ph)	Ø4.0 m to Ø6.0 m	Plywood	255.0 kg
2	Panel for attached ring (m/ph)	Ø4.0 m to Ø7.0 m	Plywood	420.0 kg
3	Panel for attached ring (m/ph)	Ø4.0 m to Ø8.0 m	Plywood	611.0 kg
4	Panel for attached ring (m/ph)	Ø6.0 m to Ø8.0 m	Plywood	356.0 kg
5	Panel for attached ring (m/ph)	Ø6.0 m to Ø9.0 m	Plywood	573.0 kg
6	Panel for attached ring (m/ph)	Ø8.0 m to Ø10.0 m	Plywood	458.0 kg
7	Panel for attached ring (m/ph)	Ø8.0 m to Ø11.0 m	Plywood	725.0 kg
8	Panel for attached ring (m/ph)	Ø8.0 m to Ø12.0 m	Plywood	1,018.0 kg

Plywood, coated dark brown with phenol resin (ph); polygon-shaped on the inner and outer diameters (m) for use with other attached rings; segmented according to the basic structure; laid on top

Other diameters available on request!

Panel for attached ring (rounded/coated with phenol resin)

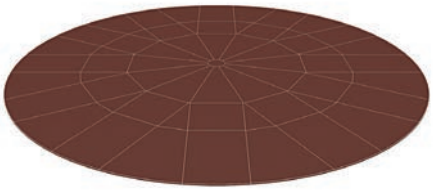


Plywood, coated dark brown with phenol resin (ph), polygon-shaped on the inner diameter, rounded (r) on the outer diameter for use as an end ring; segmented according to the basic structure; laid on top

Other dimensions available on request!

ITEM	DESCRIPTION	INNEN- /OUTER DIAMETER	MATERIAL	WEIGHT
1	Panel for attached ring (r/ph)	Ø4.0 m to Ø6.0 m	Plywood	255.0 kg
2	Panel for attached ring (r/ph)	Ø4.0 m to Ø7.0 m	Plywood	420.0 kg
3	Panel for attached ring (r/ph)	Ø4.0 m to Ø8.0 m	Plywood	611.0 kg
4	Panel for attached ring (r/ph)	Ø6.0 m to Ø8.0 m	Plywood	356.0 kg
5	Panel for attached ring (r/ph)	Ø6.0 m to Ø9.0 m	Plywood	573.0 kg
6	Panel for attached ring (r/ph)	Ø8.0 m to Ø10.0 m	Plywood	458.0 kg
7	Panel for attached ring (r/ph)	Ø8.0 m to Ø11.0 m	Plywood	725.0 kg
8	Panel for attached ring (r/ph)	Ø8.0 m to Ø12.0 m	Plywood	1,018.0 kg

Complete panel (coated with phenol resin)

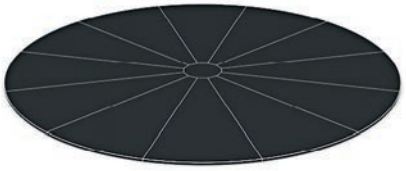


Plywood, coated dark brown with phenol resin (ph), rounded on the outer diameter; segmented according to the basic structure; laid on top

Other diameters available on request!

ITEM	DESCRIPTION	OUTER DIAMETER	MATERIAL	WEIGHT
1	Panel for turntable (ph)	Ø6.0 m	Plywood	458.0 kg
2	Panel for turntable (ph)	Ø7.0 m	Plywood	624.0 kg
3	Panel for turntable (ph)	Ø8.0 m	Plywood	814.0 kg
4	Panel for turntable (ph)	Ø9.0 m	Plywood	1,031.0 kg
5	Panel for turntable (ph)	Ø10.0 m	Plywood	1,272.0 kg
6	Panel for turntable (ph)	Ø11.0 m	Plywood	1,540.0 kg
7	Panel for turntable (ph)	Ø12.0 m	Plywood	1,832.0 kg

Panel for inner circle (varnished with ebony wood colour)



ITEM	DESCRIPTION	OUTER DIAMETER	MATERIAL	WEIGHT
1	Panel for inner circle (m/eb)	Ø4.0 m	Plywood	204.0 kg
3	Panel for inner circle (r/eb)	Ø4.0 m	Plywood	204.0 kg

Plywood, varnished with ebony wood colour (eb), rounded (r) on the outer diameter as a separate turntable or polygon-shaped (m) for use with attached rings; segmented according to the basic structure; laid on top

Other diameters available on request!

Panel for attached ring (polygon-shaped/varnished with ebony wood colour)

ITEM	DESCRIPTION	INNEN- /OUTER DIAMETER	MATERIAL	WEIGHT
1	Panel for attached ring (m/eb)	Ø4.0 m to Ø6.0 m	Plywood	255.0 kg
2	Panel for attached ring (m/eb)	Ø4.0 m to Ø7.0 m	Plywood	420.0 kg
3	Panel for attached ring (m/eb)	Ø4.0 m to Ø8.0 m	Plywood	611.0 kg
4	Panel for attached ring (m/eb)	Ø6.0 m to Ø8.0 m	Plywood	356.0 kg
5	Panel for attached ring (m/eb)	Ø6.0 m to Ø9.0 m	Plywood	573.0 kg
6	Panel for attached ring (m/eb)	Ø8.0 m to Ø10.0 m	Plywood	458.0 kg
7	Panel for attached ring (m/eb)	Ø8.0 m to Ø11.0 m	Plywood	725.0 kg
8	Panel for attached ring (m/eb)	Ø8.0 m to Ø12.0 m	Plywood	1,018.0 kg

Plywood, varnished with ebony wood colour (eb); polygon-shaped on the inner and outer diameter (r) for use with other attached rings; segmented according to the basic structure; laid on top

Other dimensions available on request!

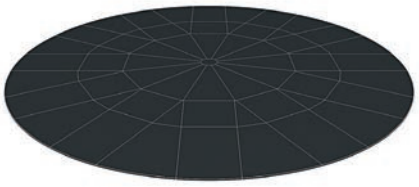
Panel for attached ring (rounded/varnished with ebony wood colour)

Plywood, varnished with ebony wood colour (eb); polygon-shaped on the inner and outer diameter (r) for use as an end ring; segmented according to the basic structure; laid on top

Other dimensions available on request!

ITEM	DESCRIPTION	INNEN- /OUTER DIAMETER	MATERIAL	WEIGHT
1	Panel for attached ring (r/eb)	Ø4.0 m to Ø6.0 m	Plywood	255.0 kg
2	Panel for attached ring (r/eb)	Ø4.0 m to Ø7.0 m	Plywood	420.0 kg
3	Panel for attached ring (r/eb)	Ø4.0 m to Ø8.0 m	Plywood	611.0 kg
4	Panel for attached ring (r/eb)	Ø6.0 m to Ø8.0 m	Plywood	356.0 kg
5	Panel for attached ring (r/eb)	Ø6.0 m to Ø9.0 m	Plywood	573.0 kg
6	Panel for attached ring (r/eb)	Ø8.0 m to Ø10.0 m	Plywood	458.0 kg
7	Panel for attached ring (r/eb)	Ø8.0 m to Ø11.0 m	Plywood	725.0 kg
8	Panel for attached ring (r/eb)	Ø8.0 m to Ø12.0 m	Plywood	1,018.0 kg

Complete panel (varnished with ebony wood colour)



Plywood, varnished with ebony wood colour (eb), rounded on the outer diameter; segmented according to the basic structure; laid on top

Other diameters available on request!

ITEM	DESCRIPTION	OUTER DIAMETER	MATERIAL	WEIGHT
1	Panel for turntable (eb)	Ø6.0 m	Plywood	458.0 kg
2	Panel for turntable (eb)	Ø7.0 m	Plywood	624.0 kg
3	Panel for turntable (eb)	Ø8.0 m	Plywood	814.0 kg
4	Panel for turntable (eb)	Ø9.0 m	Plywood	1,031.0 kg
5	Panel for turntable (eb)	Ø10.0 m	Plywood	1,272.0 kg
6	Panel for turntable (eb)	Ø11.0 m	Plywood	1,540.0 kg
7	Panel for turntable (eb)	Ø12.0 m	Plywood	1,832.0 kg

TURNTABLE DRIVE SYSTEMS

Ventum-S turntable drive modules

External 1.5 kW drive modules:

The external drive modules have been specially developed for Ventum-S turntables. The drives are assembled very easily. To start operating the unit, the drive module is fixed to the stage floor by screws and is then pressed on to the turntable's friction ring using a spring adjustment. An oscillating bearing evens out any uneven elements on the running surface and ensures uniform contact pressure. External drives can be used both for complete turntables and also for turning rings that run separately. Pressure rollers are mounted for turning rings in order to guide the turntable in its position.

Key parameters:

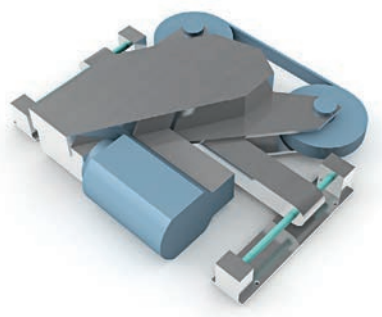
- Power voltage: 230 V, 400 V - at 50 Hz
- Max. peripheral force: 1000 N
- Height: 166.6 mm, 141.6 mm Can be inserted in substructure without a panel
- Drive system: S1 (permanent drive)
- Number of drives: depends on dynamic load rating

Internal 0.4/1.5 kW drive modules:

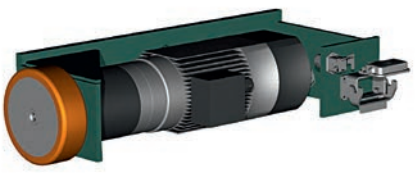
The internal drive modules are designed as friction wheel drive systems for insertion in the aluminium construction. They consist of a DC asynchronous motor, planetary gearing and a Vulkollan drive wheel. A low-noise locking brake, spring-loaded bearings and systems for controlling the positioning and sequences are available as options.

Key parameters for 0.4/1.5 kW:

- Power voltage: 230V, 400V - at 50Hz
- Nominal rpm: 1360/1400 1/min
- Nominal torque: 2.56/10.2 Nm
- Max. torque: 5.37/16.6 Nm
- Type of drive: S1 (permanent)
- Height: 166.6/200 mm
- Number of drives: depends on dynamic load rating



← Outer drive



↑ Inner drive

Ventum-S turntable controls

Ventum-S turntable controls:

The basic control unit is linked to a cable, has an infinitely variable speed regulator, is equipped for a maximum circumferential speed of 1 m/2 with a choice of direction of rotation (left/right) and has an emergency off switch. The unit is operated via a control unit or a control/remote control panel that is available as an option. The basic functions can be extended by any number of control options.

Control options:

- Control panel/remote controls
- Positioning and controlling sequences

The detailed design of the turntable controls is agreed for each project.

← Control panel with display

↑ Remote controls

Ventum-S slip rings

Function:

Turning centres with slip ring transmitters are available to transmit the power and information. Internal drive modules require one slip ring turning centre to feed in the power. The slip ring is optional for external drive modules.

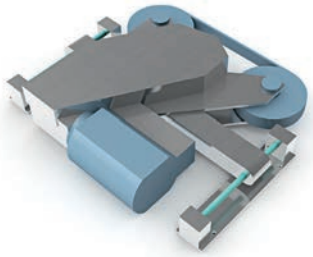
Technical data:

- Height: 166.6/200 mm
- Inserted: in the Ø400 mm turning centre
- Detailed configuration for each project

TURNTABLE DRIVE SYSTEMS

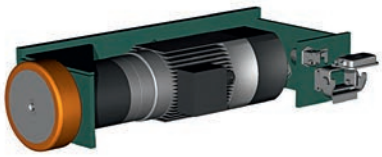
Product selection

Drive systems and controls are configured and assembled for each project.



External drive module - 1.5 kW

ITEM	DESCRIPTION
1	Price and configuration on request.



Internal drive module 0.4/1.5 kW

ITEM	DESCRIPTION
1	Price and configuration on request.