

Bitte zurücksenden an: | *Please return to:*

 MESSE BREMEN & ÖVB-Arena  
 M3B GmbH  
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**Ansprechpartner | Contact:**

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**Rücksendetermin | Deadline: 13. Dezember 2018**
**DECKENABHÄNGUNGEN | SUSPENSION POINTS**
**Deckenabhängungen sind möglich in den Hallen | Suspension points can be made in hall:**

- |   |                    |
|---|--------------------|
| ⇒ Halle 1 (ÖVB-Arena)   Hall 1 (ÖVB-Arena)                      | ⇒ Halle 5   Hall 5 |
| ⇒ Halle 4 (hinterer Teilbereich 4.02)   Hall 4 (back part 4.02) | ⇒ Halle 6   Hall 6 |
| ⇒ Halle 4.1   Hall 4.1  | ⇒ Halle 7   Hall 7 |

**Erforderliche Angaben | Required documents and information:**

 Beschreibung der Abhängung (z. B. Traversen, Beleuchtungskörper, Spannrahmen, Banner/Fahnen etc.)  
*Description of planned suspension (e.g. truss system, lighting, tenter frame, banners/flags etc.):*
**Herstellernamen sowie genaue Typ-Bezeichnung der eingesetzten Traversen: | Producer and type of truss system:**
**Gesamtgewicht der Abhängung | Total weight of suspension:** \_\_\_\_\_ kg

**Belastung pro Hängepunkt (bei ungleicher Lastverteilung) | Weight per individual suspension point (in case of uneven weights):**

 Mit der Anfrage ist eine vermaßte Standskizze im Maßstab 1:100 oder 1:50 einzureichen. Aus der Skizze müssen die genauen Positions- und Höhenangaben der benötigten Befestigungspunkte hervorgehen.  
*For your inquiry regarding suspension points in the halls please attach a dimensioned sketch of the stand in scale 1:100 or 1:50. The sketch must show the detailed position and exact elevation of the suspension point.*
**Gewünschte Zusatzausstattung | Additional equipment:**
**BGV C1- / D 8+-Motoren | Motor chain hoists (BGV C1 / D 8+):**

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Anzahl: _____<br>Quantity | <input type="checkbox"/> werden nicht benötigt<br>not required | <input type="checkbox"/> werden ausstellerseits mitgebracht<br>we bring our own motor hoists |
|--|--|--|

**Handkettenzüge | Manual chain hoists**

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Anzahl: _____<br>Quantity | <input type="checkbox"/> werden nicht benötigt<br>not required | <input type="checkbox"/> werden ausstellerseits mitgebracht<br>we bring our own manual hoists |
|--|--|---|

**Sonstige Befestigungsmaterialien (ohne weitere Angaben wird ein O-Ring als Übergabepunkt installiert):  
 Other rigging material (without other information an „O-ring“ is provided as attaching point):**
**Stromzufuhr von der Hallendecke | Ceiling suspended electricity connection:**

- |  |                                   |                                   |
|--|-----------------------------------|-----------------------------------|
| <input type="checkbox"/> 230 V, Wechselstrom   Alternating current | <input type="checkbox"/> CEE 16 A | <input type="checkbox"/> CEE 32 A |
|--|-----------------------------------|-----------------------------------|

**Elektrischer Lift (Scherenarbeitsbühne) | Electrical lift (scissor lift):**

 Anzahl: \_\_\_\_\_ gewünschte Arbeitshöhe: \_\_\_\_\_  
 Quantity: \_\_\_\_\_ required height of platform: \_\_\_\_\_

**Manueller Materiallift (Genie, Hubhöhe 7,4 m) | Manual material lift: Anzahl | Quantity: \_\_\_\_\_**
**Bereitstellung der Lifte | Provision date of lifts: \_\_\_\_\_**  
 Bitte geben Sie Datum und Uhrzeiten an | *Please indicate dates and times*

E-Mail-Adresse Messebauer   <i>Email address by stand constructor</i>		
Aussteller   <i>Exhibitor:</i>	Ansprechpartner   <i>Contact:</i>	Halle & Stand-Nr.   <i>Hall &amp; Stand N°</i>
Telefon & E-Mail-Adresse   <i>Telephone &amp; email address:</i>		Firmenstempel, Unterschrift <i>Company stamp, Signature</i>
Rechnungsempfänger   <i>Invoice address:</i>		
Steuernummer   <i>Int. VAT identification no.:</i>	Bestellnummer Rechnungsempf.   <i>Order number recipient:</i>	Ort, Datum   <i>Place, Date</i>
Straße   <i>Street:</i>	PLZ & Ort   <i>Postal Code &amp; City:</i>	

## SUSPENSION POINTS

### Safety

For safety reasons the following types of suspension are not permissible:

- Suspension of structural booth components
- Securing of structural booth components or exhibits (booth components or exhibits must be self-supported)
- Suspended constructions with a rigid or friction-locked connection to the hall floor.

In general, suspended constructions may be changed only by authorized service partners of MESSE BREMEN.

### Permissible means of suspending loads:

- BGV C1 (Accident Prevention & Insurance Association) compliant chain motors
- BGV D8 compliant chain motors dead hung with wire rope or chain (parallel load pick-up to bypass the motor)
- Rated load: Refer to manufacturer's specifications

### Non-permissible means of suspending loads:

- BGV D8 compliant chain motors without safety (i. e. not dead hung with wire rope or chain).

With regard to mounting suspended objects all relevant safety regulations and particularly BGV A1 (general provisions), BGV C1 (event and production venues for scenic displays), BGV D8 (winches, hoisting and lifting gear) and, if applicable, VStättV (Meeting Place Regulation) are to be observed.

Spotlights, loudspeakers, special effect devices must be installed with a second independent safety device! If steel ropes are used the required minimum length of the security rope is: 1 m (see DIN 56 927). This equipment must be secured in such a way that the distance of fall does not exceed 20 cm.

### Permissible lifting accessories:

- Rated load at 0.5 times the value of the manufacturer specified load capacity but not exceeding one tenth of the minimum breaking force. The load on ropes and ties cannot exceed one twelfth of the minimum breaking force.
- Edge protection must be provided. The edge radius must be at least equal to the diameter of the lifting accessories (rope, load sling etc.), lifting accessories made from synthetic fibers are not suitable for use near spotlights.
- DIN 3051 Part 2 compliant wire ropes, usually standard 6 x 19 round strand rope according to DIN 3060 with approval
- Class 8 short link chains with approved accessories according to DIN 685 with approval
- Textile load slings (e. g. round slings) according to DIN EN 1492 with approval and load capacity specifications in combination with additional safety (wire rope or chain).
- Aluminum or steel clamps approved for the respective crossbeams (accessories)

Round sling with wire rope core (Steelflex) and GS test certificate, to be used only in compliance with the permissible rated load capacity.

### Impermissible lifting accessories:

- Wire rope without approval
- Sheathed wire rope
- Long link chains (interior chain link length > 3 times the nominal diameter of the chain material)
- Untested chains
- Cable ties without use of additional wire rope or chain safety
- Textile load slings (e. g. round slings) without approval and load capacity specifications, or textile load slings (e. g. round slings) according to DIN EN 1492 with approval and load capacity specifications without additional wire rope or chain protection
- Damaged lifting accessories (e. g. kinked rope, load slings with damaged sheathing, load slings without label/tag)

### Permissible fasteners:

- Rated load at 0.5 times the load capacity value specified by the manufacturer and not exceeding one tenth of the minimum breaking force.
- Quality class 6 straight and curved shackles according to E DIN 13889 with load capacity specifications; for dynamic loads (e. g. suspended loudspeakers) only with safety split pin or locknut

- Quick connect link with union nut (quick link) according to DIN 56 926 with load capacity specifications
- Cobra hook – only in combination with DIN 685 compliant chains
- Closed loop turnbuckles, e. g. according to DIN 48334, with load capacity specifications; for dynamic loads (e. g. suspended loud speakers) only with safety split pin or locknut
- Closed loop O rings with load capacity specifications

### Impermissible fasteners:

- Carabiner hook, not screwed
- Carabiner hook, screwed
- Open hooks
- Open loop turnbuckles according to DIN 1480
- Quick connect link with union nut (quick link) without load capacity specifications
- Strapping gear as connection between two crossbeams
- Other types of fasteners without load capacity specifications

### Permissible rope end connectors:

- DIN 15315 compliant rope locks (straight); for dynamic loads (e. g. suspended loudspeakers) only with DIN 1142 compliant rope clamp
- DIN 43148 compliant wedge type end clamps (slanted); for dynamic loads (e. g. suspended loudspeakers) only with rope locks according to DIN 1142
- DIN 3093 compliant rope clips only with DIN 3090 compliant thimble or DIN 3095 compliant Flemish eyes

### Impermissible rope end connectors:

- Rope locks according to DIN 1141/DIN 1142
- Rope locks according to DIN 741

### Technical details – Important information

Structural requirements permitting, the exhibitor is provided with a fastening point at the desired location above the booth area and within the booth boundaries by MESSE BREMEN.

Please note: The component to be suspended must be within the boundaries of the booth area. MESSE BREMEN will check the installation possibilities of the requested fastening points based on the submitted documents.

Suspensions from the hall ceiling are installed only by authorized contractors of MESSE BREMEN.

The attachment of the suspended objects (illumination supports, spotlights, banners, flags, etc.) is the exhibitor's responsibility and can be performed by contractors of MESSE BREMEN upon request.

Attachment material to install the items to be suspended is not included in the service but available for rent from MESSE BREMEN, if needed.

The main power terminal for lights, etc. is to be ordered separately.

Additional equipment: The power supply to the lighting system is typically provided from the hall floor. Power supply from the hall ceiling is available upon request as well (separate service).

### Required documents, ordering deadline

For order processing purposes side view and floor plan drawings of the booth area with projected mounting points are to be submitted (scale: 1:100 or 1:50).

The total weight of the object(s) to be suspended, the distance between the fastening points and the booth boundaries as well as their height above the hall floor must be indicated in the drawings. Please include a north point in the drawing or the location of the adjacent booths. If no height specifications for the required fastening points are specified in writing the fastening points will be installed at 6 m above the hall floor.

Your order with complete layout drawings must be submitted no later than 6 weeks before the official set up date.

For orders/plans handed in late provision of the suspensions cannot be guaranteed. MESSE BREMEN reserves the right to apply a surcharge for late orders.

Cancellations will be accepted no later than 14 days before the general setup date; for later cancellations the ordered fastening points will be billed.

In addition, the Technical Guidelines of MESSE BREMEN apply.