

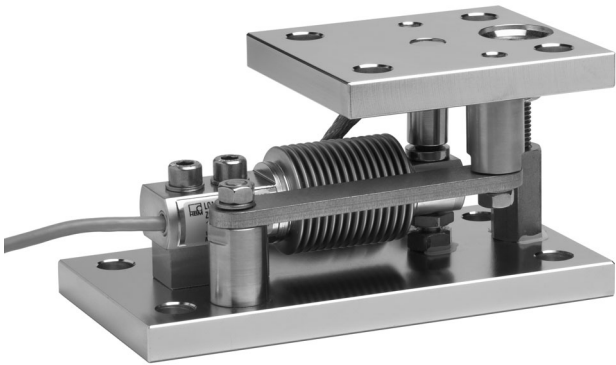
# Z6/M...

Weighing module for  
30 kg ... 500 kg

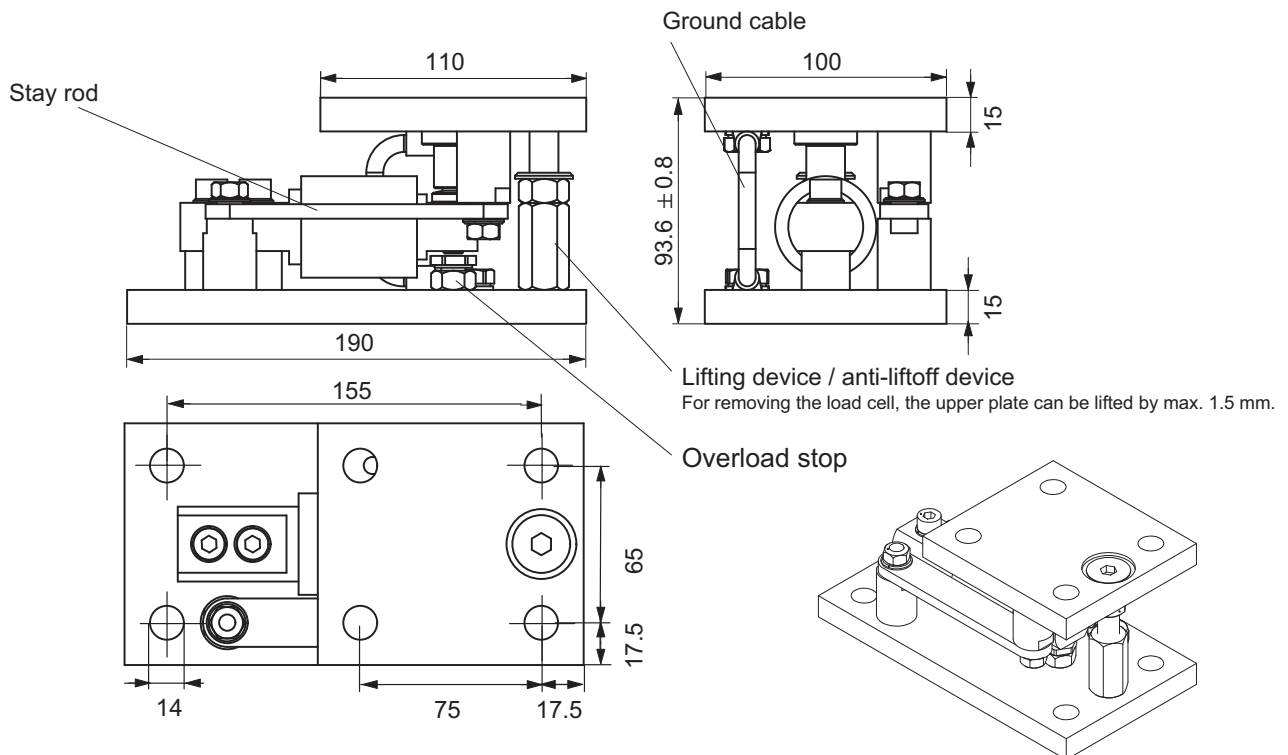
## Special features

- Equipped with load cell Z6F...class D1 or C3 according to OIML R60
- With overload stop and stay rod
- Maintenance-free
- Compact installation at minimum height
- Easy installation
- Two versions available:
  - Galvanized material or
  - Stainless steel (preferred types)
- Self-restoring due to pendulum bearing
- With anti-liftoff device and lifting device
- Explosion protection versions as per ATEX, IECEx, EAC-Ex and FM (US/CA)

Data sheet



Dimensions (in mm, 1mm = 0.03937 inches)



## Specifications of the weighing module Z6/M...

| Maximum capacity   | kg                 | 30  | 50    | 100   | 200   | 50   |
|--|--------------------|---|-------|-------|-------|------|
| Limit load   | % of Max. capacity | 150   |       |       |       |      |
| Breaking load  | % of Max. capacity | 200   |       |       |       |      |
| Restoring force<br>(at 1 mm side offset)                       | % of applied load  | 6.1   |       |       |       |      |
| Max. side offset transverse to the stay rod axis <sup>1)</sup> | mm                 | ± 1.5                                       |       |       |       |      |
| Max. static horizontal force in the stay rod direction         | kN                 | 5   |       |       |       |      |
| Max. lift-off force  | kN                 | 5   |       |       |       |      |
| Material   |                    | Galvanized or Stainless steel <sup>2)</sup> |       |       |       |      |
| Weight (depending on the version, incl. load cell)             | kg                 | 8...9                                       |       |       |       |      |
| Adjustment range of the overload stop                          | mm                 | ≤0.36                                       | ≤0.35 | ≤0.25 | ≤0.45 | ≤0.8 |

<sup>1)</sup> When horizontal adjustment the upper module plate

<sup>2)</sup> As per EN 10088-1

For more information on the corresponding load cells, see the Z6F... data sheet

## Options for Z6/M

### Explosion protection versions as per ATEX, IECEx and FM (US/CA)

- AI1/21\* ATEX+IECEX+FM Zone 1/21, intrinsically safe;  
 - ATEX/IECEX: II 2G Ex ia IIC T6/T4 Gb + II 2D Ex ia IIIC T125°C Db  
 - FM(US/CA): Class I Zone 1 AEx/Ex ia IIC T4 Gb + Zone 21 AEx/Ex ia IIIC T125°C Db  
 - FM(US): Class I, II, III Division 1, Groups A, B, C, D, E, F, G T4
- AI2/21\*\* ATEX+IECEX Zone 2/21, not intrinsically safe;  
 - ATEX/IECEX: II 3G Ex ec IIC T6/T4 Gc + II 2D Ex tb IIIC T125°C Db

\* With EC Type Approval Certificate BVS 13 ATEX E 108 X, IECEx Certificate of Conformity IECEx BVS 13.0109 X, Certificate of Conformity FM 18 US 0176 X and Certificate of Conformity FM 18 CA 0144 X.

\*\* With EC Type Approval Certificate BVS 13 ATEX E 108 X, IECEx Certificate of Conformity IECEx BVS 13.0109 X. The optional AI2/21 IECEx+ATEX Zone 2/21 also includes Zone 2/22.

### Explosion protection versions as per EAC mark (Eurasian Economic Union with member states: Russia, Belarus, Armenia, Kazakhstan, Kirghistan)

- R1/21 EAC Ex Zone 1/21, intrinsically safe\*\*\*;  
 - EAC Ex: 1Ex ia IIC T4/T6 Gb X + Ex ia IIIC T125°C Db X
- R2/21 EAC Ex Zone 2/21, not intrinsically safe\*\*\*;  
 - EAC Ex: 2Ex e IIC T6/T4 Gc X + Ex tb IIIC T125°C Db X

\*\*\* With certificate "СЕРТИФИКАТ СООТВЕТСТВИЯ No TC RU C-DE.HA65.B.01149/21"

## Placing orders

When placing an order please specify the ordering numbers from the tables. If you need other versions (accuracy classes, explosion protection, other cable lengths or materials, etc.) for the available products, please look in the overview "Z6/M-Modules (incl. load cell Z6FC3...), optional versions". You can generate a specific ordering number there from your individual requirements.

### Ordering codes Z6/M-Modules (incl. load cell Z6FC3...), preferred types

| Type            | Z6/M                          |
|-----------------|-------------------------------|
| Material        | Stainless steel <sup>1)</sup> |
| Accuracy class  | C3 (OIML)                     |
| Max. capacities | Order-no.                     |
| 30 kg           | 1-Z6/M3LBR30KG                |
| 50 kg           | 1-Z6/M3LBR50KG                |
| 100 kg          | 1-Z6/M3LBR100KG               |
| 200 kg          | 1-Z6/M3LBR200KG               |
| 500 kg          | 1-Z6/M3LBR500KG               |

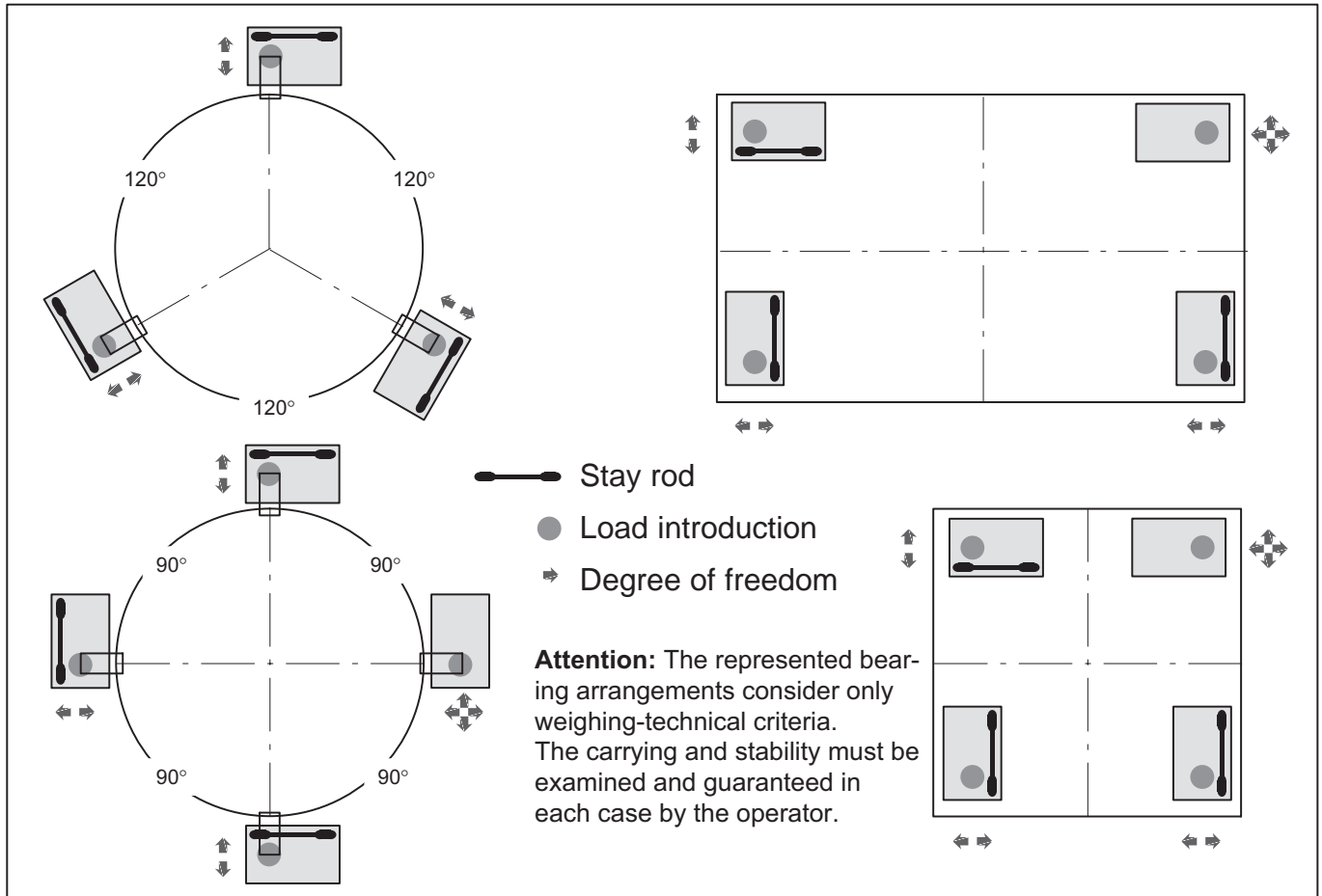
1) As per EN 10088-1

### Z6/M-Modules (incl. load cell Z6FC3...), optional versions

| Order No.   |  |  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
|---|--|--|--------------------------------|-----------|-------------------------|---------------|--|--|----------------------|--------------------|------------------|--|------------------|--|------------|------------------------|------------|----------------|------------|--------|-----------|
| <b>K-Z6M</b>  |  |  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
| <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">K-Z6M</div> <div style="display: flex; gap: 5px;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> </div> | <table border="1"> <thead> <tr> <th>Code</th> <th>Option 1: Material</th> </tr> </thead> <tbody> <tr> <td><b>R</b></td> <td>Stainless steel</td> </tr> <tr> <td><b>N</b></td> <td>Galvanized</td> </tr> </tbody> </table>  | Code   | Option 1: Material             | <b>R</b>  | Stainless steel         | <b>N</b>      | Galvanized                                       |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
|   | Code   | Option 1: Material   |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
|   | <b>R</b>   | Stainless steel  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
|   | <b>N</b>   | Galvanized   |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
|   | <table border="1"> <thead> <tr> <th>Code</th> <th>Option 2: Accuracy class</th> </tr> </thead> <tbody> <tr> <td><b>D1</b></td> <td>D1 (OIML)</td> </tr> <tr> <td><b>C3</b></td> <td>C3 (OIML)</td> </tr> </tbody> </table>   | Code   | Option 2: Accuracy class       | <b>D1</b> | D1 (OIML)               | <b>C3</b>     | C3 (OIML)  | <table border="1"> <thead> <tr> <th>Code</th> <th>Option 3: Capacity</th> </tr> </thead> <tbody> <tr> <td><b>30</b></td> <td>30 kg [only with Option 4 = N / (AI2/2) / (R1/21) / (R2/21)]</td> </tr> <tr> <td><b>50</b></td> <td>50 kg</td> </tr> <tr> <td><b>100</b></td> <td>100 kg</td> </tr> <tr> <td><b>200</b></td> <td>200 kg</td> </tr> <tr> <td><b>500</b></td> <td>500 kg</td> </tr> </tbody> </table> | Code                 | Option 3: Capacity | <b>30</b>        | 30 kg [only with Option 4 = N / (AI2/2) / (R1/21) / (R2/21)] | <b>50</b>        | 50 kg  | <b>100</b> | 100 kg                 | <b>200</b> | 200 kg         | <b>500</b> | 500 kg |           |
|   | Code   | Option 2: Accuracy class                                     |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
|   | <b>D1</b>  | D1 (OIML)  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
|   | <b>C3</b>  | C3 (OIML)  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
|   | Code   | Option 3: Capacity   |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
|   | <b>30</b>  | 30 kg [only with Option 4 = N / (AI2/2) / (R1/21) / (R2/21)] |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
|   | <b>50</b>  | 50 kg  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
|   | <b>100</b>   | 100 kg   |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
|   | <b>200</b>   | 200 kg   |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
|   | <b>500</b>   | 500 kg   |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
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| Code  | Option 4: Explosion protection   |  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
| <b>N</b>  | No explosion protection  |  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
| <b>AI1/21</b>   | ATEX+IECEX+FM Zone 1/21 [not with Option 3 = 30]   |  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
| <b>AI2/21</b>   | ATEX+IECEX Zone 2/21   |  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
| <b>R1/21</b>  | EAC-Ex Zone 1/21   |  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
| <b>R2/21</b>  | EAC-Ex Zone 2/21   |  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
| Code  | Option 5: Cable length   |  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
| <b>S3</b>   | 3 m (Standard)   |  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
| <b>6</b>  | 6 m  |  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |
| <b>12</b>   | 12 m   |  |                                |           |                         |               |  |  |                      |                    |                  |  |                  |  |            |                        |            |                |            |        |           |

Not all codes can be combines with each other. Please take heed of the terms in the square brackets!

## Mounting example of weighing modules with stay rods:



Subject to modifications.  
 All product descriptions are for general information only. They are not to be understood as a guarantee of quality or durability.

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