Data Sheet

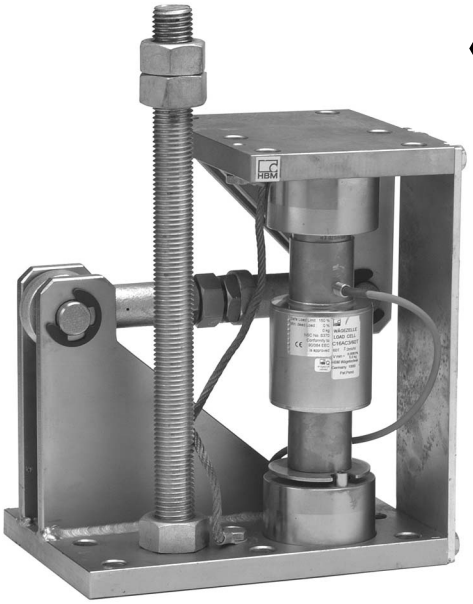
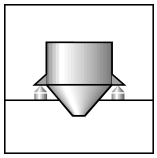
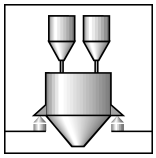


Fig. with accessory 1-ZAC16/MSL60T





C16M...

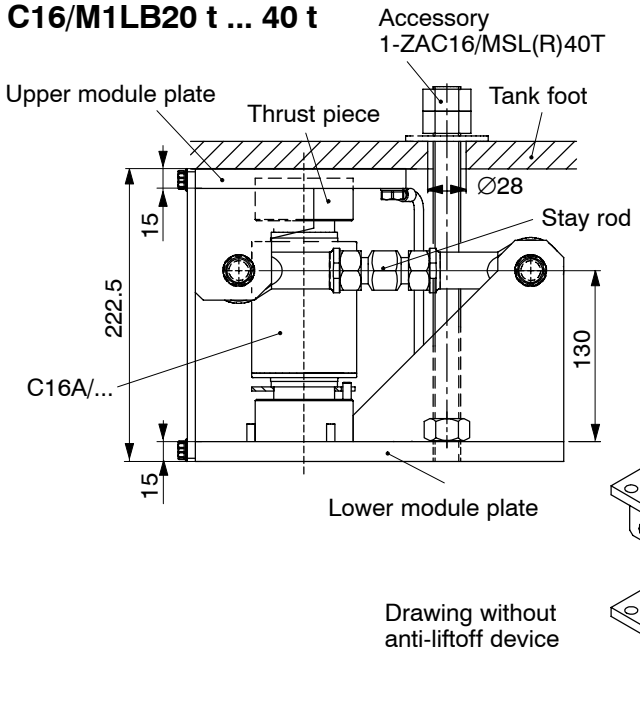
Weighing module for 20 t ... 200 t

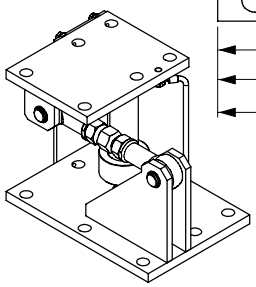
Special features

- **Equipped with self-restoring rocker pin load cell C16 class D1, C3 or C4 according to OIML R60**
- **Stay rod included in the scope of supply**
- **Designed for lift-off device (see accessories)**
- **Maintenance-free**
- **Compact installation at minimum installation height**
- **Easy installation**
- **Two versions available:**
  - **Galvanized material**
  - **Stainless steel**
- **Certified by Technical Inspection Agency (TÜV)**

Dimensions (in mm; 1 mm = 0.03937 inches)

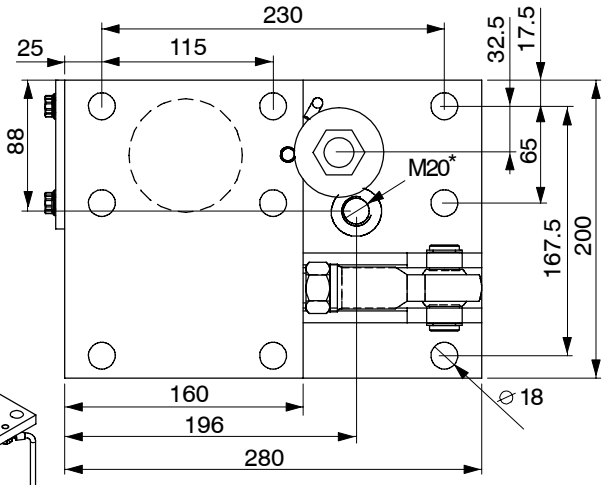
C16/M1LB20 t ... 40 t





Drawing without anti-liftoff device

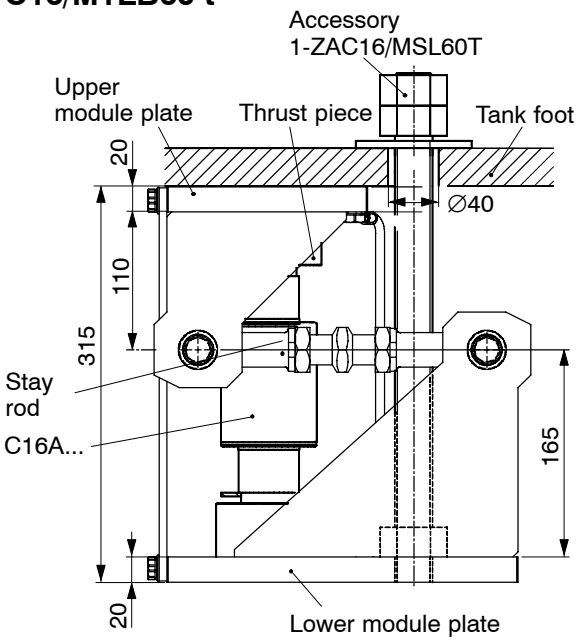
Top view, drawing without tank foot

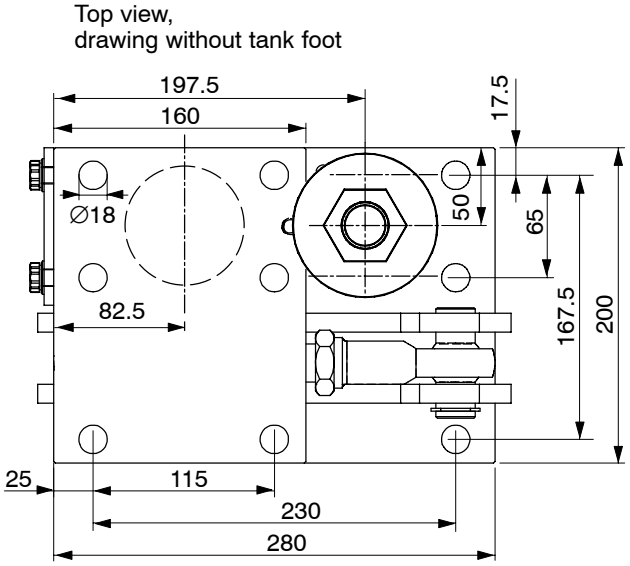


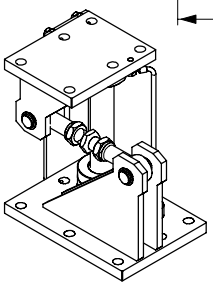
* Threat for alternative mounting of the lift-off device (accessory)

Dimensions (in mm; 1 mm = 0.03937 inches)

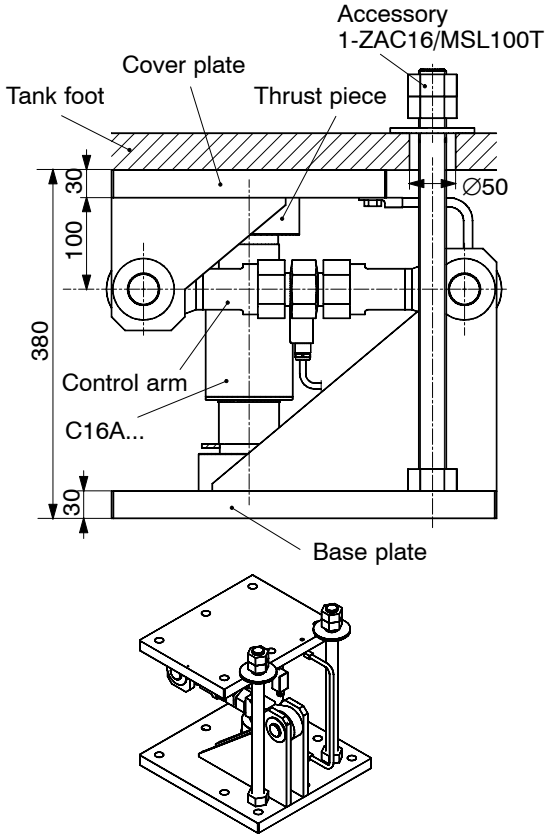
C16/M1LB60 t

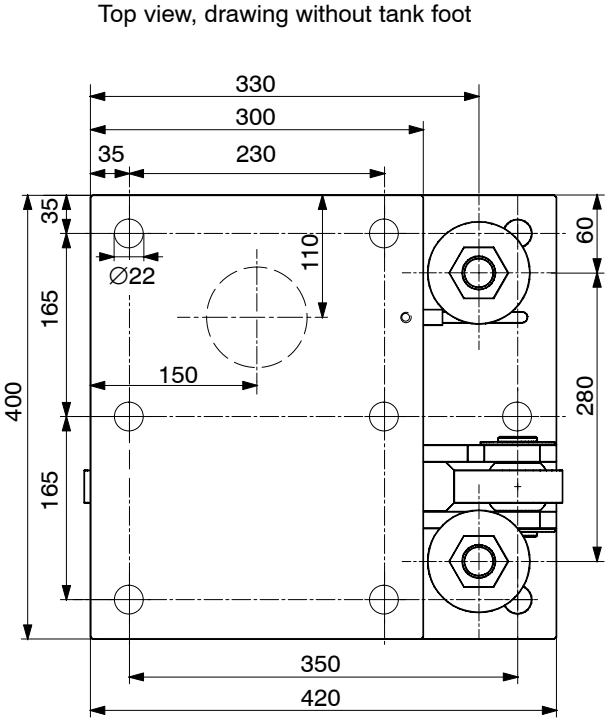






C16/M1LB100 t + 200 t





Specifications of the weighing module C16M...

Maximum capacity		**20 t**	**30 t**	**40 t**	**60 t**	**100 t**	**200 t**
Limit load	% of Maximum capacity	150					
Restoring force (at 1mm side offset vertically to the control arm direction)	% of Applied load	0.49	0.76	0.94	0.52	0.48	0.81
Maximum permissible side offset transverse to the control arm axis	mm	± 4.0				± 5.0	
Maximum permissible horizontal force in the control arm direction	kN	50			100	150	
Max. permissible lifting force (when a lift-off device is used) [1]	kN	80			120	240	
Material		Galvanized or stainless steel					
Weight, approx. (depending on the version, incl. load cell)	kg	20			55	105	107

[1] A lift-off device, for example a threaded rod (please see accessories), can be mounted in the assigned threaded hole.

For additional information on the appropriate load cells, please refer to the Data sheet C16A...

Ordering codes

C16/M1LB-Modules (incl. load cell C16A...), preferred types

Type	**C16/M1LB**
Material	Galvanized material
Accuracy class	D1 (OIML)
Maximum capacity	Order no.
20 t	1-C16/M1LB20T
30 t	1-C16/M1LB30T
40 t	1-C16/M1LB40T
60 t	1-C16/M1LB60T
100 t	1-C16/M1LB100T
200 t [2]	1-C16/M1LB200T [2]

[2] Accuracy class of the Load cell: 0.1

Ordering codes C16-Modules (incl. load cell C16A...), optional versions

Order no.	
K-C16M	

Code	**Option 1: Material**	
V	C16/MSL (Galvanized)	
R	C16/MSLR (Stainless steel) [only with Option 3 = 20 / 30 / 40]	

Code	**Option 2: Accuracy**	
0.1	0.1% [only with Option 3 = 200]	
D1	D1 (OIML) [only with Option 3 = 20 / 30 / 40 / 60 / 100]	
C3	C3 (OIML) [only with Option 3 = 20 / 30 / 40 / 60 / 100]	
C4	C4 (OIML) [only with Option 3 = 30 / 40 / 60]	

Code	**Option 3: Capacity**	
20	20t [only with Option 2 = D1 / C3]	
30	30t [only with Option 2 = D1 / C3 / C4]	
40	40t [only with Option 2 = D1 / C3 / C4]	
60	60t [only with Option 2 = D1 / C3 / C4]	
100	100t [only with Option 2 = D1 / C3]	
200	200t [only with Option 2 = 0.1]	

Code	**Option 4: Ex protection (accord. to ATEX 95)**	
N	non ATEX	
1	ATEX Zone 1 + 21 [only with Option 6 = N]	
2	ATEX Zone 2 + 22 (non-conductive dust) [only with Option 6 = N]	
21D	ATEX II G EExd [only with Option 6 = N]	

Code	**Option 5: Cable length**	
S12	12m (Standard) [only with Option 3 = 20 / 30]	
S20	20m (Standard) [only with Option 3 = 40 / 60 / 100 / 200]	
20	20m [only with Option 3 = 20 / 30]	
40	40m	
20M	20m (Metal braiding)	

Code	**Option 6: Miscellaneous**	
N	without	
L	with Lightning protection [only with Option 4 = N]	
i	with C16i Load cell (DIGITAL) [only with Option 2 = C3; Option 3 = 20 / 30 / 40 / 60; Option 4 = N]	

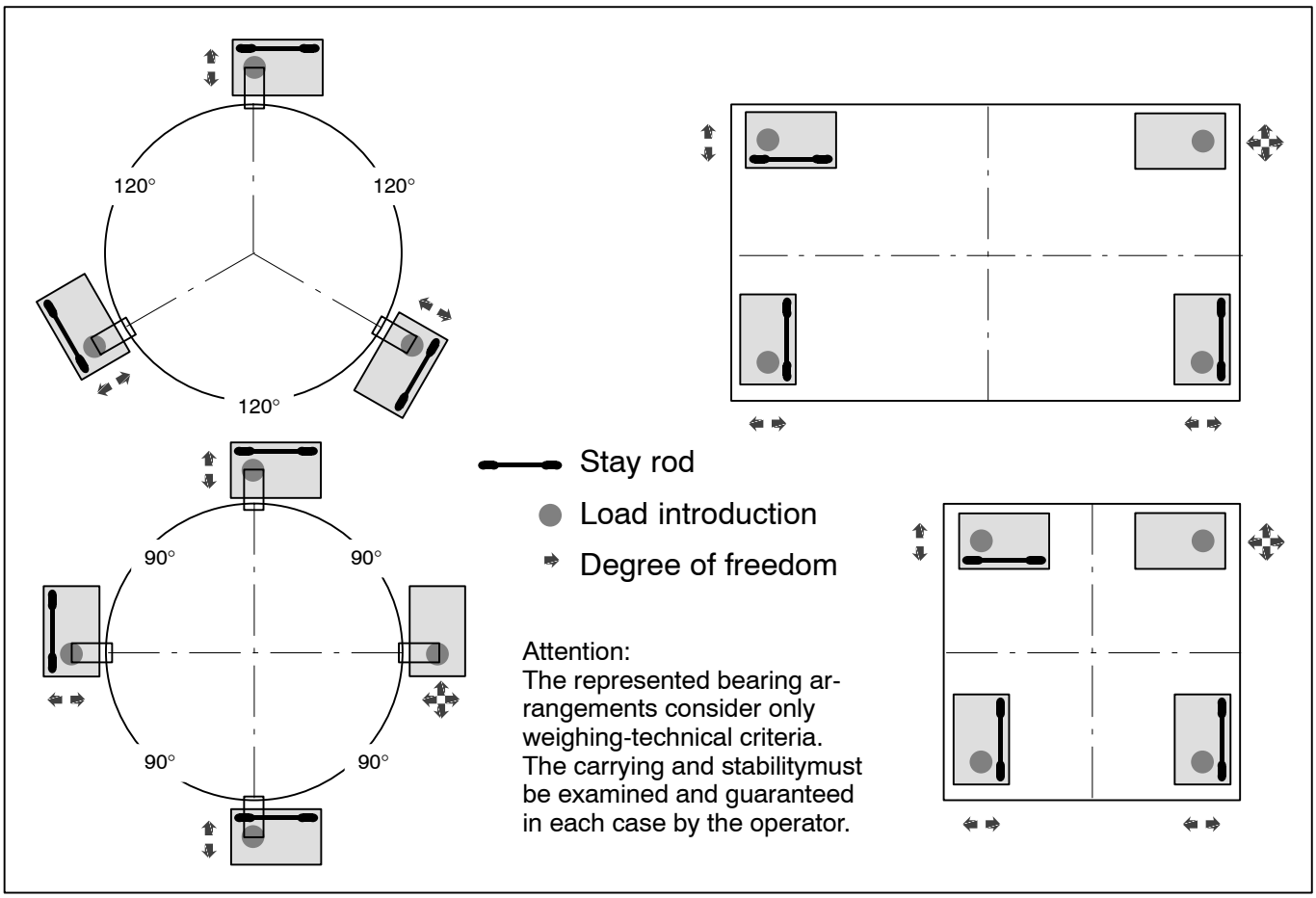
K-C16M - ☐ - ☐☐☐ - ☐☐☐ - ☐☐☐ - ☐☐☐ - ☐

[!!!]: Not all codes can be combined with each other. Please take heed of the terms in the square brackets!

Scope of delivery:

Weighing module complete mounted with stay rod, thrust pieces, ground wire and load cell C16A

Mounting examples for weighing modules with stay rods:



Accessories (to be ordered separately) each for **two** weighing modules (see Dimensions)**:**

1–ZAC16/MSL40T, for C16/MSL20 t...40 t, consists of:
- 1 piece threaded rod M20x1000 *), **galvanized**
- 6 pieces hexagonal nut M20 DIN 934, galvanized
- 2 pieces washer DIN 9021, ∅21 mm, galvanized

1–ZAC16/MSLR40T, for C16/MSL**R**20 t...40 t, consists of:
- 1 piece threaded rod M20x1000 *), **stainless steel**
- 6 pieces hexagonal nut M20 DIN 934, stainless steel
- 2 pieces washer DIN 9021, ∅21 mm, stainless steel

1–ZAC16/MSL60T, for C16/MSL60 t, consists of:
- 1 piece threaded rod M30x1000 *),**galvanized**
- 6 pieces hexagonal nut M30 DIN 934, galvanized
- 2 pieces washer DIN 9021, ∅31 mm, galvanized

1–ZAC16/MSL100T, for C16/MSL100 t + 200 t, consists of:
- 4 pieces threaded rod M30x1000 *), **galvanized**
- 12 pieces hexagonal nut M30 DIN 934, galvanized
- 4 pieces washer DIN 9021, ∅31 mm, galvanized

*) The threaded rods have to be adapted to the corresponding installation conditions on the customer side.

Further accessory:

Fixed bearings with the same installation height as the weighing module. Please find further information in a separate data sheet.

Hottinger Baldwin Messtechnik GmbH

Im Tiefen See 45, D-64293 Darmstadt, Germany
Tel.: +49 6151 803-0 Fax: +49 6151 803 9100
Email: support@hbm.com Internet: www.hbm.com

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