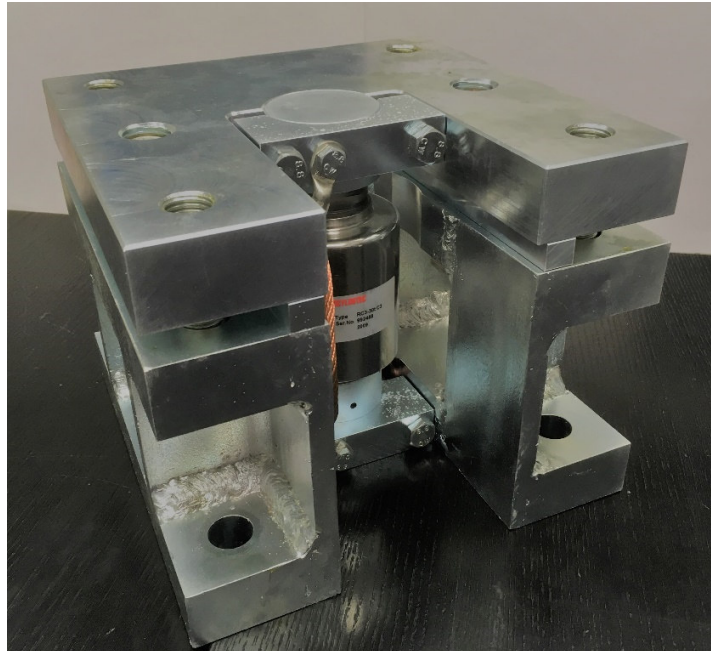


55-55 Weigh-Modules



Product Description

Flintec weighing modules are designed to provide optimum force transmission into load cell. The weighing module type 55-55 is a self-centering unit. It has been specially designed for weighing of hoppers, silos and tanks at high nominal load for compression load cells type RC3. It includes an integrated lift-off protection and a lateral stop. Additional check-links are unnecessary, which ensures highest possible accuracy. The weighing module type 55-55 is delivered fully pre-assembled and ready for installation by bolting or welding.

Applications

Hopper-, silo- and tank-weighing

Key Features

- Capacity range 7,5t to 300t
- Module sizes **7,5t - 100t** structural steel S355J2, galvanized Zinc coating
- Module sizes **150t - 300t** structural steel S355J2, multi-layer painting
- very easy installation
- specially designed for hopper, tank and silo weighing
- built-in lateral bumper
- built-in lift-off protection
- Replacing of load cells requires very little lifting – few mm only
- self-centering rocker-pin load cell design allow for all-side thermal expansion

General Installation Hints

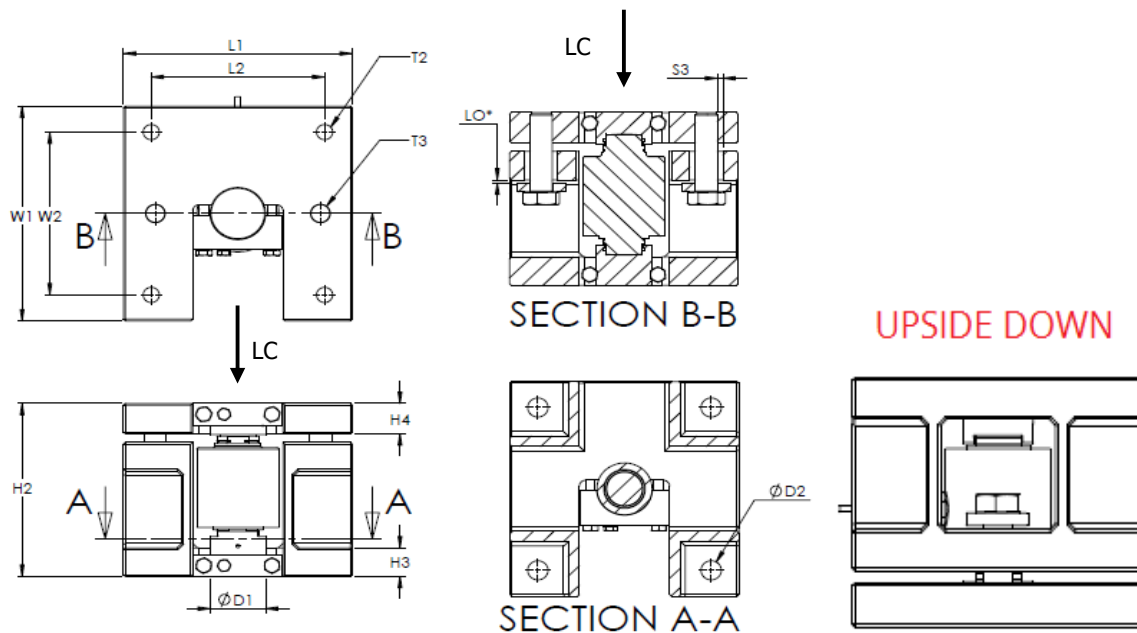
Welding instead of bolting is a trouble-free alternative. Welding plates available upon request. Welding avoids mounting problems caused by misalignment of bolt hole position on weigh modules and foundation plates. Combined methods possible, e.g. bolting on top plate of module and welding on foundation plate, or vice-versa.

Attention

- Installation bolts not within scope of delivery
- Levelling requirement of silo foot and foundation plate:
 - max 0.4/100 for legal-for-trade application,
 - max 0.8/100 for industrial application

Useful Note

Weigh modules 55-55 can be installed upside down if thru holes are preferred on top side, see below.



Legend

- LC – Central compression loading
- T2 – Thread holes for mounting bolts, 4x
- T3 – Lift-off bolts, 2x
- S3 – Gap for horizontal displacement
- LO – Gap for lift-off protection
- ØD2 – Holes for assembly bolts T2, 4x

Dimensions (mm) & Force Capacity (kN)

Load Cell Type	D1	D2	H2	H3	H4	L1 & W1	L2 & W2	S3	T2	T3	Max. permissible Lift-Off Force (kN)*	Max. perm. Side Force (kN)**
RC3-7,5/15/22,5t	50	17,5	130	18	30	200	154	4	M16	M20	195	122
RC3- 30/40t	60	22	200	23	35	250	190	5	M20	M24	295	172
RC3- 50/100t	85	26	250	28	45	300	235	6	M24	M30	440	225
RC3- 150t	110	33	300	38	50	400	325	7	M30	M36	590	350
RC3- 300t	135	40	400	43	60	450	365	8	M36	M42	720	455

Important Notice

* Occurring lifting force will be worst case carried by one Weigh Module only.

** For installations with 3 or 4 Weigh Modules (one per silo leg) it can be assumed that the actual lateral forces (wind) are evenly distributed over at least 2 Weigh Modules.

Maximum permissible forces refer to material yield strength Rp0.2 of critical component.

[Dimensions and specifications are subject to change without notice]

