

55-55 weighing module



product description

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

applications

Hopper-, silo- and tank-weighing

general installation notes

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.

- 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

key features

Capacity range of 7.5t to 300t

Top Plate – Extra high-strength S460 steel (M, ML, N or NL grades)

Bottom unit – High-strength S355J2 steel

Galvanized zinc coating (7.5t-100t)

Multi-layer painting (150t -300t)
Very easy installation

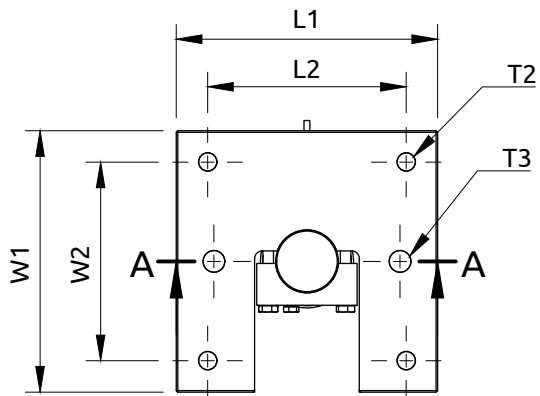
Built-in lateral bumper and lift off protection

Replacing of load cells requires very little lifting – few mm only

Self-centering rocker-pin load cell design allow for all-side thermal expansion

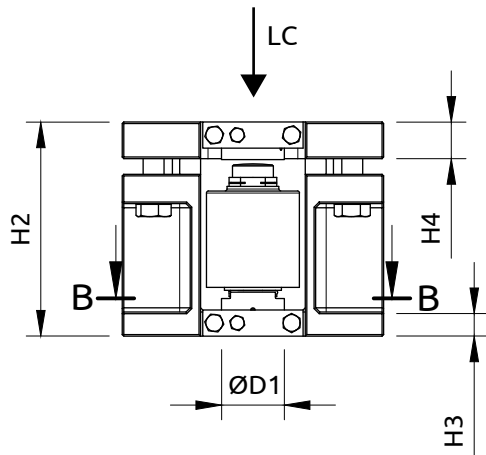
EN1090 variant available

product dimensions (mm)

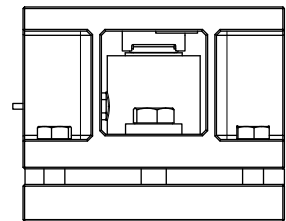
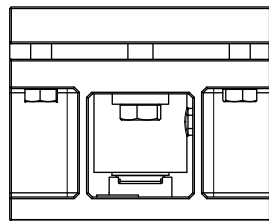


Legend

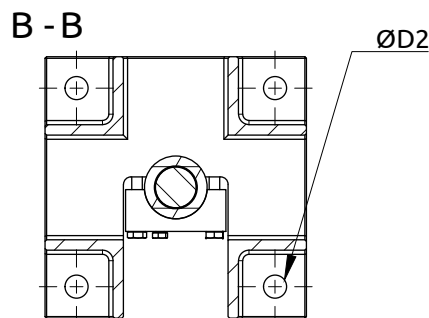
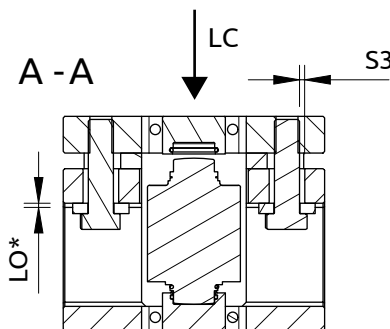
LC – Central compression loading
T2 – Thread holes for mounting bolts, 4x
T3 – Lift-off bolts, coated with a special thread-locking compound 2x
S3 – Gap for horizontal displacement
LO – Gap for lift-off protection
ØD2 – Holes for assembly bolts T2, 4x



upside-down



Can be installed upside-down if thru holes are preferred on the top side.



Load cell model	D1	D2	H2	H3	H4	L1 & W1	L2 & W2	S3	T2	T3
RC3-7.5/15/22.5t	50	17.5	130	18	30	200	154	4	M16	M20
RC3- 30/40t	60	22	200	23	35	250	190	5	M20	M24
RC3- 50/100t	85	26	250	28	45	300	235	6	M24	M30
RC3- 150t	110	33	300	38	50	400	325	7	M30	M36
RC3- 300t	135	40	400	43	60	450	365	8	M36	M42

Specifications and dimensions are subject to change without notice.

module weights

	7.5t/15t/22.5t	30t/40t	50t/100t	150t	300t
Unpacked (kg)	20	40	70	150	235
Packed (kg)	22	47	82	165	270

operational load limits

The graphs below show the allowable combinations of vertical (V) and horizontal (H) loads for each model of the 55-55.

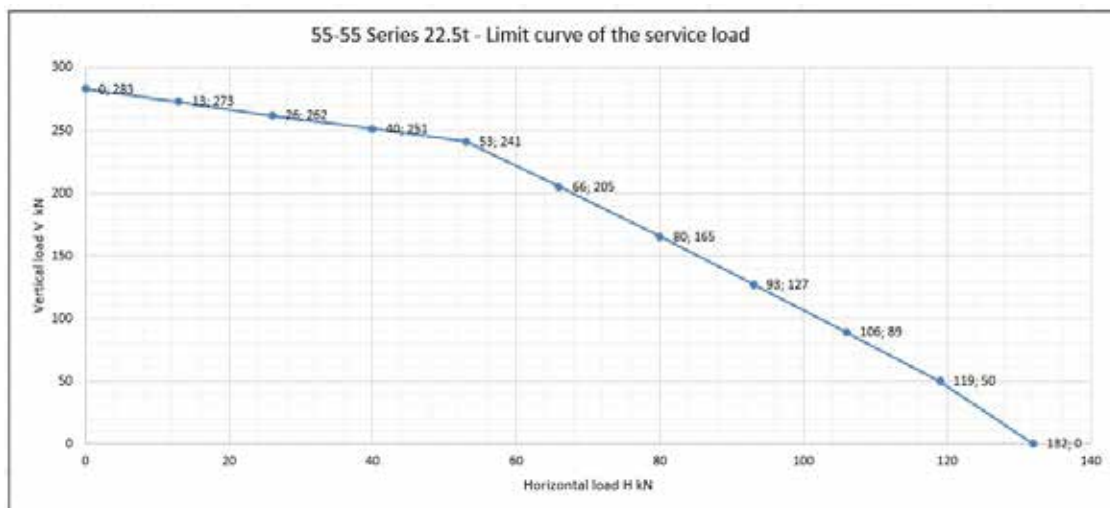
Limits are based on the material's 0.2% Offset Yield Point (Rp0.2)—an industry benchmark for stress tolerance, signifying the maximum stress before permanent deformation occurs.

Adherence to these guidelines ensures the mount's integrity and reliable operation.

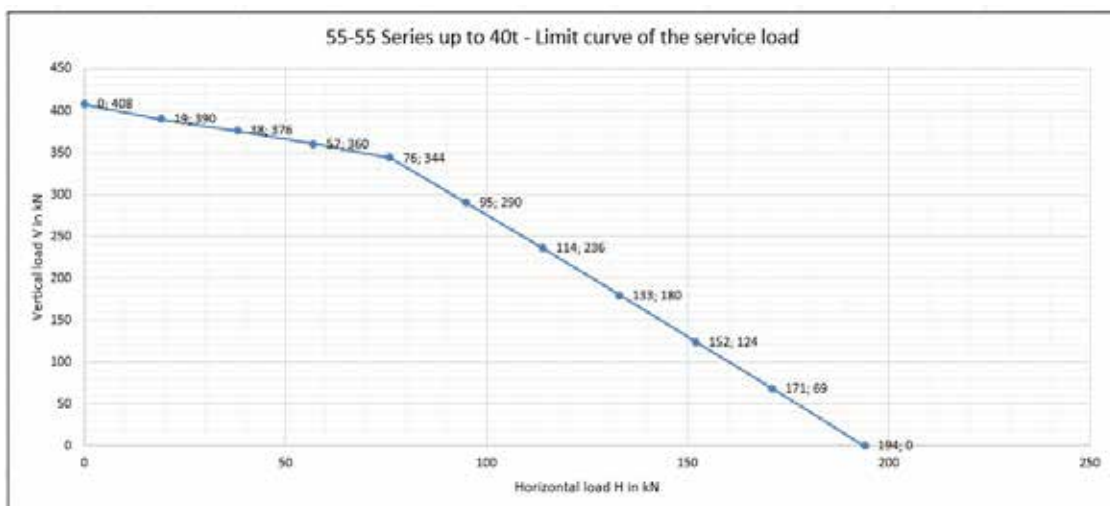
Please Note

The values provided are for standard conditions. In cases of atypical loads or environmental factors, we recommend consulting with an engineer for a detailed breaking load analysis.

22.5t model

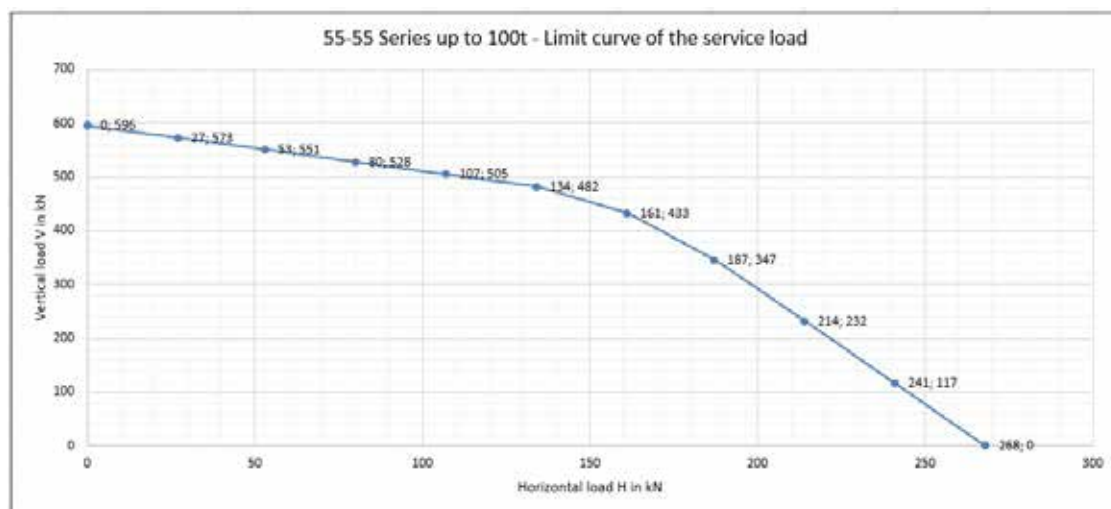


40t model

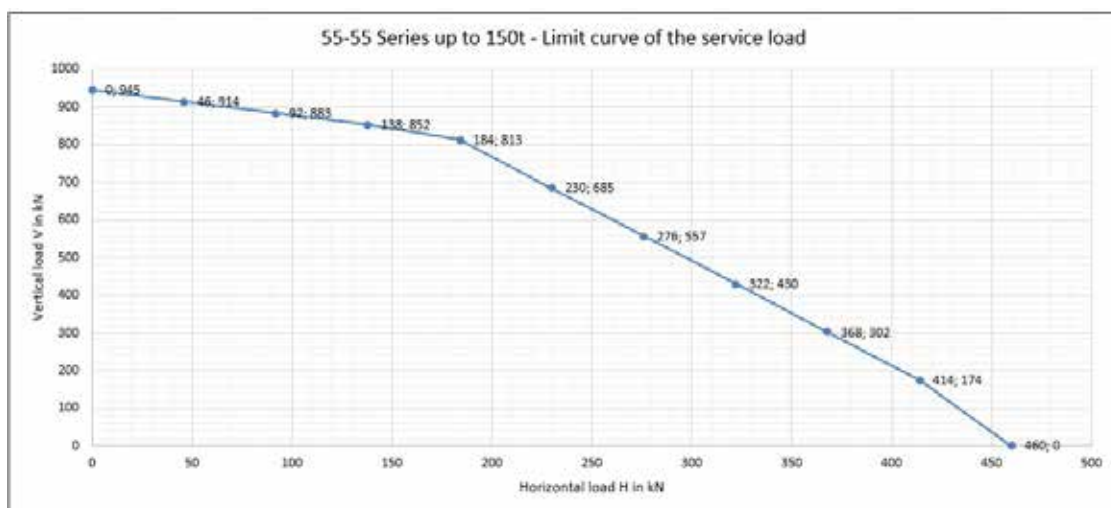


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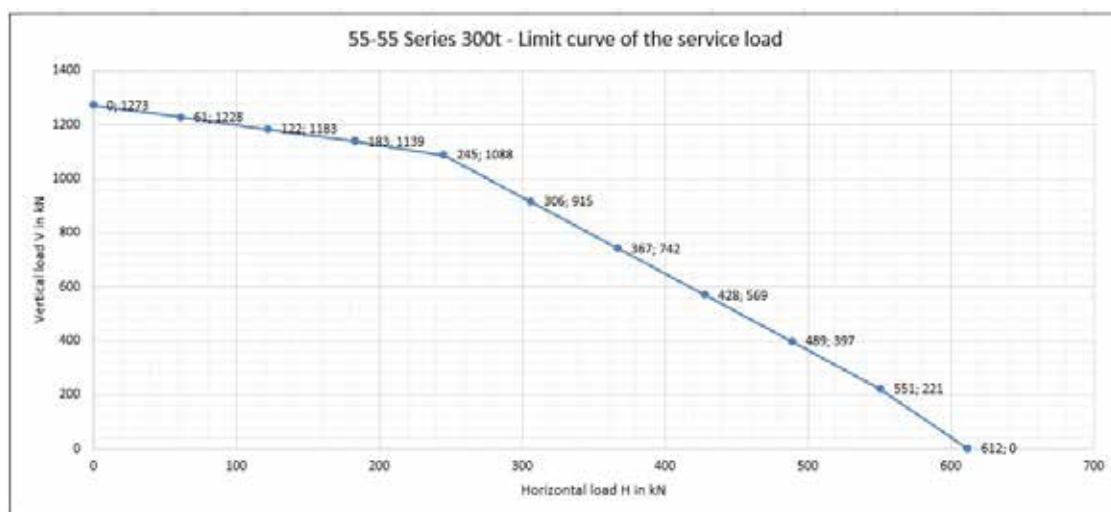
100t model



150t model



300t model



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