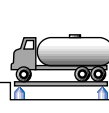
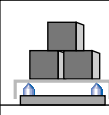
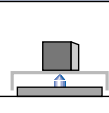
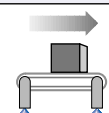
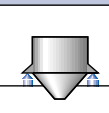
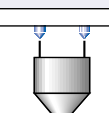
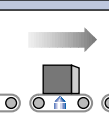
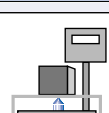
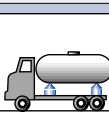

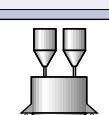
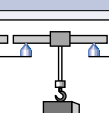


## Application range

Applications	Type of scales	HBM Load cells and Accessories		
		Scale Capacity 1,5 kg - 600 kg	Scale Capacity 600 kg - 15 t	Scale Capacity 15 t - 1200 t
 <b>Truck scales</b> <b>Weigh bridges</b>		HLC, RTN Pendle bearing	C16, RTN Pendle support	
 <b>Platform scales with more than one load cell</b>		HLC, Z6 Load feet	HLC, Z6, RTN Load feet, Pendle bearing	RTN, C16 Pendle bearing, Pendle support
 <b>Platform scales with one load cell</b>		PW2, PW4, SP4, PW6, PWS, PW15, PW10, PW12, PW24, PW16	PW16	
 <b>Belt scales</b>		Z6, PW10, PWS, PW12	Z6, HLC	
 <b>Vessel weighing (level control)</b>		Z6, C2, HLC Tank weigh modules, Elastomer bearing, Pendle bearing	RTN, C2, HLC Tank weigh mod., Elastomer bearing, Pendle bearing	RTN, C2, C16 Tank weigh mod., Elastomer bearing, Pendle bearing
 <b>Suspended vessel</b>		RSC, U2A Knuckle eyes	RSC, U2A Knuckle eyes	U2A Knuckle eyes
 <b>High speed weighing scales; Checkweigher, Packaging machines, Rotor/Linear-Packer</b>		FIT® LC+AD104* Z6	LC+AD104* Z6	LC+AD104* Z6
 <b>Retail scales (max. 400 x 400 mm)</b>		PW6, SP4, PW2		
 <b>On board weighing</b>			HLC	C16, RTN
 <b>Hand pallet trucks</b>		HLC, BLC	HLC, BLC	
 <b>Dosing scales</b>		Z6, HLC, PW2, SP4 Tank weigh modules	Z6, RTN, HLC Tank weigh modules	RTN, C16 Tank weigh modules
 <b>Overhead track scales</b>		HLC, PW12	HLC	

If you have any questions on further applications - we will be pleased to answer them: e-mail: [info@hbm.com](mailto:info@hbm.com). If your requested application is not presented here, HBM can offer customer specific components for different requirements in measuring masses or weights, mechanical stresses or strain and complete customer solutions from strain gauges to electronics.

\*If required, further details are available in data sheet format which we like to send you on request. LC: Load cell

Strain gauges

Load cells

Sensors and transducers

Electronics

Software

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## Load cells



## Load Cells, Mounting Aids and Accessories

...for each application the perfect solution



## At home in many branches

### We offer technical weighing solutions that will assure your success

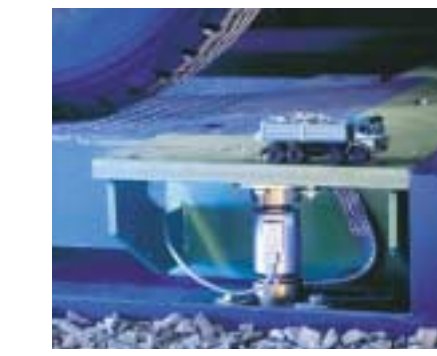
For more than 50 years now we have been specialists for components in industrial weighing technology.

A very large number of users build on the precision and reliability of these high quality products – made by HBM. In many sectors of industry our products are in continuous daily use under the most extreme conditions.



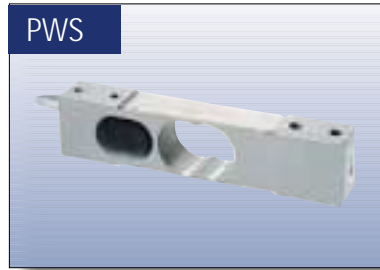
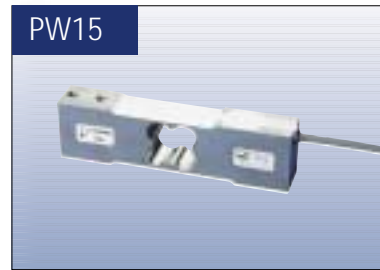
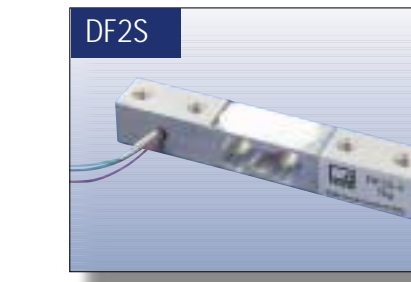
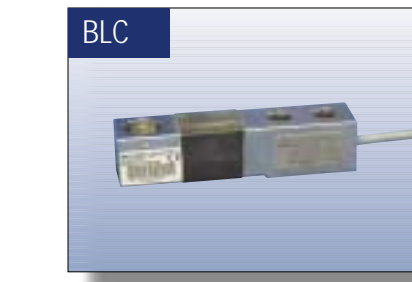
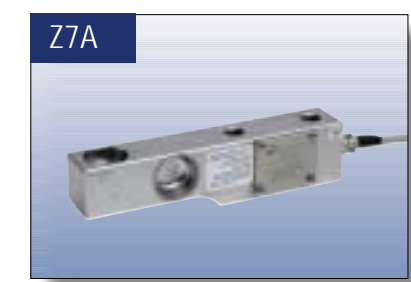
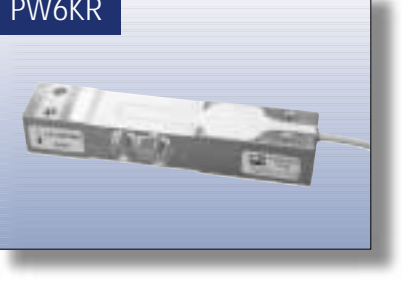
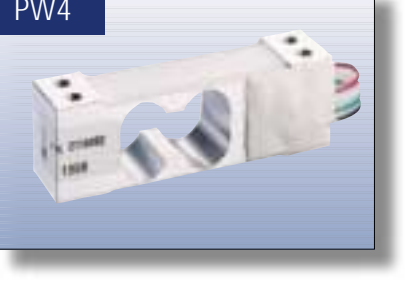
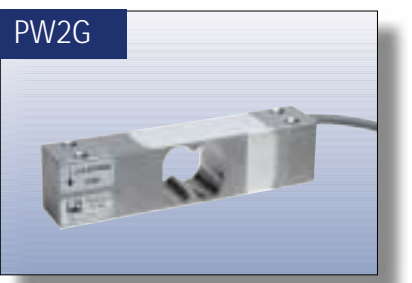
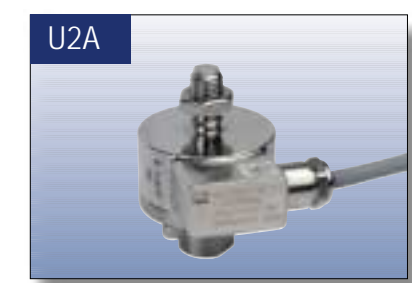
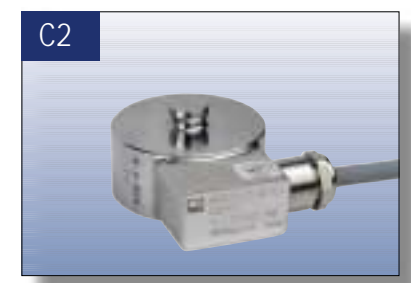
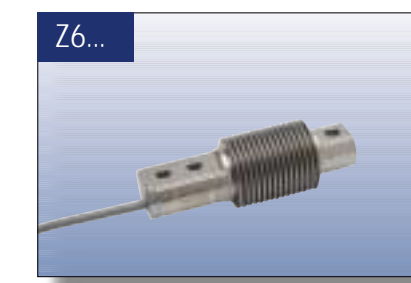
Rely on the comprehensive competence of the worldwide largest supplier for technical weighing components.

We supply a mature, proven, and innovative measurement technology: from strain gauges, via load cells complete with accessories, to weighing electronics and evaluation software.



Type	Z6...	C16A	C16i	Z7	C2	RTN	U2A	HLC...	BLC	RSC...	DF2S	PW2G	SP4	PW4	PW6KR	PW10	PW12	PWS	PW15	PW16	FIT®	
Accuracy class	D1, C3, C4, C6	D1, C3, C4, C5	D1, C3	D1, C3	0,1%	0,05, C3, C4, C5	0,1%, 0,2%, D1	D1, C3	D1, C3	C1, C3	0,05%, 0,03%	0,1 %, C3	0,1 %, C3	0,1%, C3	0,1 %, C3	D1, C3	D1, C3	C3	D1, C3	D1, C3	D1, C3	
Approvals																						
Nominal load 0...100 kg	5 kg / 10 kg / 20 kg / 50 kg / 100 kg				50 kg / 100 kg		50 kg / 100 kg			50 kg / 100 kg	1 kg / 3 kg / 5 kg / 10 kg / 12 kg / 15 kg / 20 kg	7,2 kg / 12 kg / 18 kg / 36 kg / 72 kg	7 kg / 10 kg / 15 kg / 20 kg / 30 kg / 50 kg / 75 kg / 100 kg	3,6 kg	5 kg / 10 kg / 15 kg / 20 kg / 30 kg / 40 kg	50 kg / 100 kg			7 kg / 10 kg / 15 kg / 20 kg / 30 kg / 60 kg / 100 kg	15 kg / 20 kg / 30 kg / 50 kg / 75 kg / 100 kg	75 kg / 100 kg	5 kg / 10 kg / 20 kg / 50 kg / 75 kg
...1t	200 kg / 500 kg / 1 t			500 kg / 1 t	200 kg / 500 kg / 1 t	1 t	200 kg / 500 kg / 1 t	220 kg / 550 kg	550 kg	200 kg / 500 kg / 1 t						150 kg / 250 kg	150 kg / 200 kg / 300 kg / 500 kg / 600 kg	150 kg	150 kg	150 kg / 200 kg / 250 kg / 300 kg / 500 kg / 660 kg		
> 1t		20 t / 30 t / 40 t / 60 t / 100 t / 200 t (0,1 %)	20 t / 30 t / 40 t / 60 t	2 t / 5 t / 10 t	2 t / 5 t / 10 t / 20 t / 50 t	2,2 t / 4,7 t / 10 t / 15 t / 22 t / 33 t / 47 t / 68 t / 100 t / 150 t / 220 t / 330 t / 470 t	2 t / 5 t / 10 t / 20 t	1,1 t / 1,76 t / 2,2 t / 4,4 t	1,1 t / 1,76 t	2 t / 5 t												
Protection class	IP 67	IP 68	IP 68 (IP 69K)	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 65	IP 64	IP 67	IP 65	IP 65	IP 65	IP 67	IP 67	IP 65	IP 67	IP 67	IP 66	
Material	Stainless steel	Stainless steel	Stainless steel	galvanized	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Stainless steel	Stainless steel	Aluminium	Stainless steel	
Application areas	Platform scales, Filling scales, Conveyor type weighers, Tank weigh scales	Vehicle scales, Rail scales	Vehicle scales, Rail scales	Conveyor type weighers, Construction material scales, Platform scales	Tank weigh scales, Floor scales, Silo & Tank weighing	Tank weigh scales, Floor scales, Silo & Tank weighing	Construction material scales, Overhead trolley scales, Filling scales	Platform scales	Platform scales	Construction material scales, Tank weigh scales, Suspension scales	Household scales further purposes (force)	Platform scales, Price computing scales, Multi-head scales, Monitoring scales	Price computing scales, Multi-head scales, Monitoring scales	Letter scales, Sorting scales	Price-computing scales, medical scales, industrial scales	Medical scales, personal scales, industrial scales	Platform, container and bottom scales in industrial field	Scales for use in the food industry, Industrial scales	Platform scales, Price computing scales, Multi-head scales, Monitoring scales	Platform, container and bottom scales in industrial field	Checkweigher, multthead combination weigher, bottling machine, postoffice weigher	
Notes	EMC approved	EMC approved	EMC approved	not to be used in new constructions	EMC approved	EMC approved	EMC approved	EMC approved	EMC approved	EMC approved	particularity flat	EMC approved, 6 conductor, screened	Interchangeable with "1040", 6 conductor	Interchangeable with "C2 G1-small", particularity flat, 2 mV/V output signal	Interchangeable with "1040", particularity flat, wide weighing range	Interchangeable with "1241", 6-conductor, screened, EMC approved	Interchangeable with "1250", 6-conductor, screened, EMC approved	Interchangeable with "1140", 6-conductor, screened, EMC approved	Interchangeable with "1260", 6-conductor, screened, EMC approved	Interchangeable with "CB 14, 1263", 6-conductor, screened, EMC approved		

Load Cells for Eccentric Loads/Single point load cells



Mounting aids and accessories – product guide

Based on our many years of application know-how, HBM features an extensive standard product range of suitable mounting aids and accessories.

These mounting accessories are consistently matched with the requirements of the respective load cell type and assume important functions within the scale design.

HBM is thus able to supply mounting aids for their load cells, which provide for a competent, fast, and low cost mounting of the same.

	Pendle support	Elastomer bearing	Pendle bearing	Knuckle eye	Load button	Spherical cap	Fold back arm	Cone and conical pan	Tank weigh module	Load foot	Fixed bearing	Easy top	Base plate
C2	●	●	●										
RTN									●				
C16A	●								●				
U2A				●									
Z7	●	●	●	●	●								
Z6...		●	●	●	●	●	●	●	●	●			
RSC...				●									
HLC/BLC		●							●	●		●	●



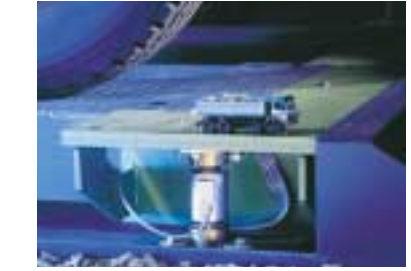
RTN tank weigh module: typical application is vessel weighing and level measurement



HLC load cells with load feet, the ideal mounting aids for platform scales



HLC load cell with Easy Top: low cost load introduction for vessels in plant manufacturing



C16-load corner, the worldwide leading solution for truck scales



HLC load cells with elastomer bearings (for damping mechanical vibrations or shocks)



RSC load cell with knuckle eyes for use in suspended vessel