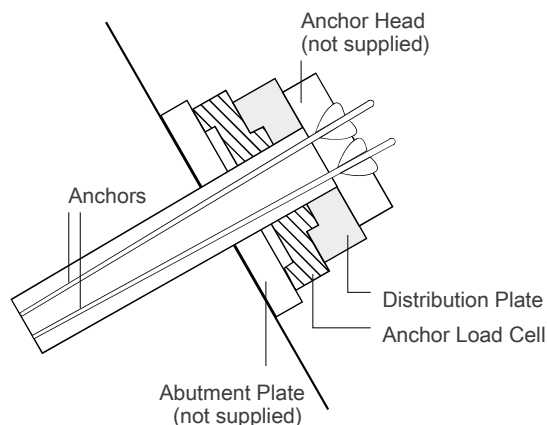
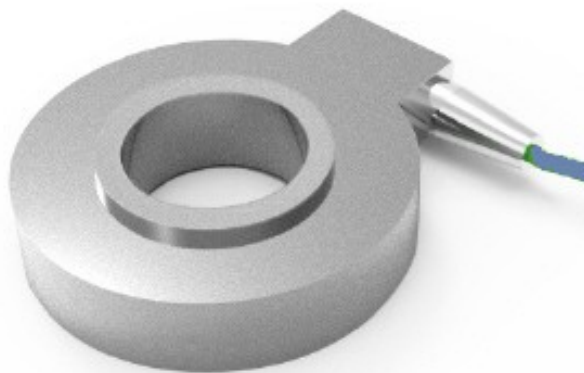




Anchor Load Cell

B-AL

Capacities/Ranges: 300, 500, 750, 1000, 1500, 1800, 2500 kN

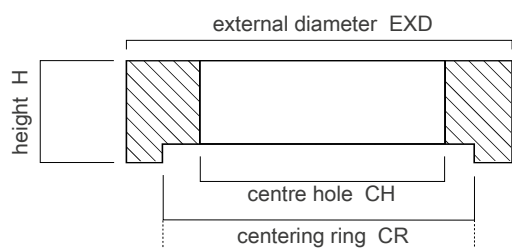


Characteristics:

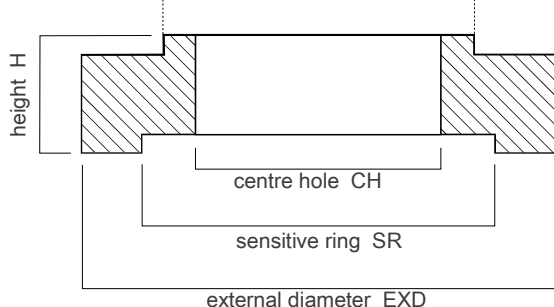
- Compact Design
- Suitable for a Variety of Applications
- Low Sensitivity to Eccentric Loading
- 4-20 mA Transmitter available (option)
- Load Cell made of Stainless Steel (17-4PH)
- Sensitivity 1.5 mV/V (2.0 mV/V for 2500 kN)
- Accuracy Class 0.5 %
- Environmental Protection IP 68

Dimensions:

DISTRIBUTION PLATE SECTION



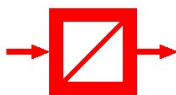
LOAD CELL SECTION



Dimensions in mm.

	Range	CH	H	CR	SR	EXD
Anchor Load Cell	0-300 kN	40	40	91	91	155
	0-500 kN	40	40	91	132	155
	0-500 kN	50	40	91	132	155
	0-500 kN	71	40	91	132	155
	0-750 kN	71	40	91	132	155
	0-750 kN	110	40	135	177	200
	0-1000 kN	120	40	155	197	220
	0-1500 kN	165	40	190	232	260
	0-1800 kN	190	40	230	272	300
	0-2500 kN	225	40	264	306	340
Distribution Plate	0-300/500 kN	40	30	-	-	110
	0-500 kN	50	30	-	-	110
	0-500/750 kN	71	30	-	-	110
	0-750 kN	110	30	-	-	155
	0-1000 kN	120	30	-	-	180
	0-1500 kN	165	30	-	-	210
	0-1800 kN	190	30	-	-	250
	0-2500 kN	231	30	-	-	290

Cable Diameter max. 6 mm, Cable Length 18 m, 4-wire.



Anchor Load Cell

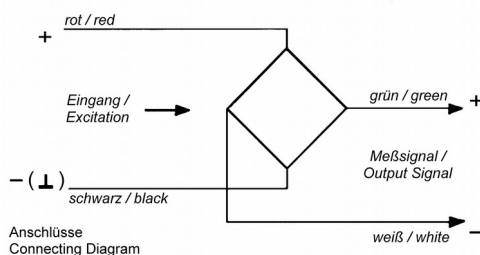
B-AL

Technical Specifications:

Capacity	($E_{\max}$)	[kN]	300, 500, 750, 1000, 1500, 1800, 2500.
Accuracy Class			0.5%
Sensitivity	(C_n)	[mV/V]	1.5 / 2.0 (for 2500 kN) $\pm$ 0.2
Non-Linearity	(d_{lin})	[% of C_n]	$\leq$ 0.5
Zero Balance		[% of C_n]	$\leq$ 1
Temperature Effect on Zero Balance	(TC_0)	[%C/10K]	$\leq$ 0.02
Temperature Effect on Sensitivity	(TC_C)	[%C/10K]	$\leq$ 0.02
Minimum Dead Load		[% of $E_{\max}$]	0.06
Safe Load Limit	(E_{lim})	[% of $E_{\max}$]	150
Breaking Load	(E_d)	[% of $E_{\max}$]	200
Deflection at $E_{\max}$		[mm]	$\leq$ 0.50
Creep (over 30 Minutes)		[% of C_n]	$\leq$ 0.03
Zero Return after 30 Minutes		[% of C_n]	$\leq$ 0.03
Excitation		[V DC]	2 ... 10
Input Resistance	(R_{LC})	[Ω]	700 $\pm$ 20 (300-750 kN)
		[Ω]	1400 $\pm$ 20 (1000-2500 kN)
Output Resistance	(R_{OUT})	[Ω]	700 $\pm$ 5 (300-750 kN)
		[Ω]	1400 $\pm$ 5 (1000-2500 kN)
Insulation Resistance		[M Ω]	> 5000 (at 50V DC)
Nominal Temperature Range		[°C]	-10 ... +50
Service Temperature Range		[°C]	-20 ... +70
Storage Temperature Range		[°C]	-40 ... +75
Material of Load Cell			Stainless Steel (17-4PH)
Material of Other Parts			Galvanised Steel
Protection Class to EN 60 529			IP68

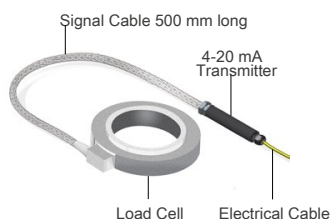
Cable/Connections:

- 4-wire cable, 18 m long;
- Screened cable, screen not connected to load cell body;
- Cable diameter approx. 6 mm;
- End of wires stripped and tinned.



Excitation +	red
Excitation -	black
Signal +	green
Signal -	white

Optional Accessories:



4-20 mA Transmitter

Current Loop Transmitter (2 wires) with 500 mm signal cable.
Suitable for the connection to a PLC.
Details available on request.

More Weighing Technology (e.g. load cells, weight indicators, weighing amplifiers) on www.gbuettner.de.