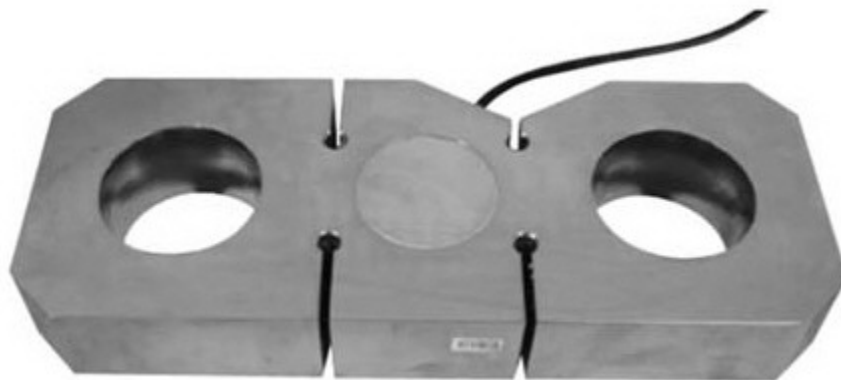




## Tension Load Cell

**BHS**

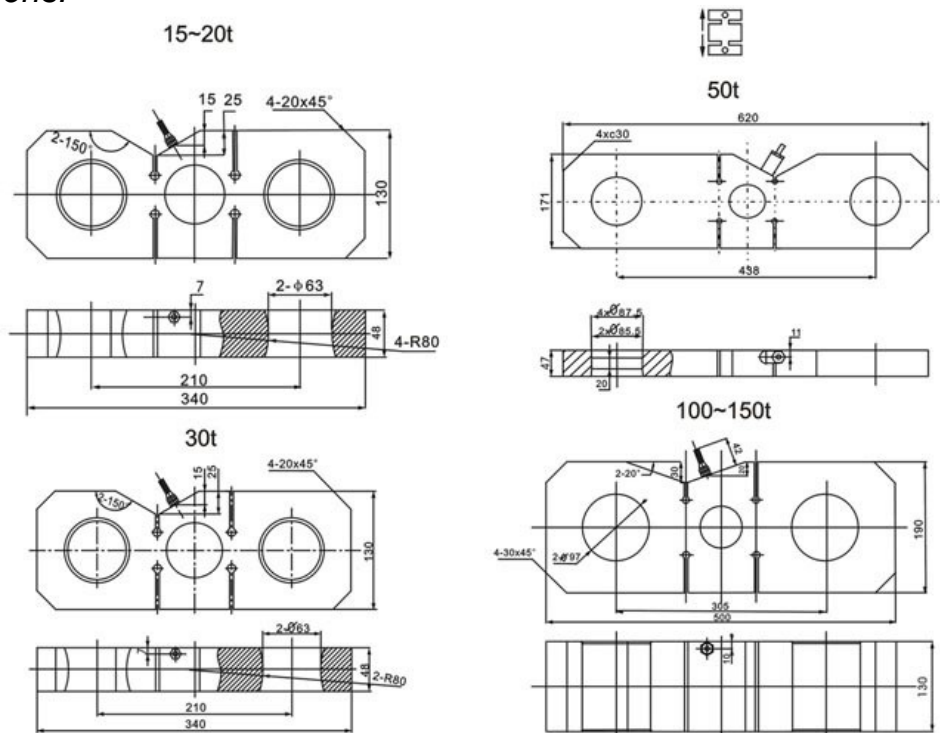
Capacities: 15, 20, 30, 50, 100, 150 t.



### Characteristics:

- Robust Steel Structure  
Suitable for Crane Applications
- Easy Installation
- Environmental Protection IP 67
- Load Cell made of Stainless Steel or Alloy Steel
- Sensitivity 2 mV/V (15 – 50 t)  
Sensitivity 1.5 mV/V (100 – 150 t)
- Accuracy Class 0.05%

### Dimensions:





## Tension Load Cell

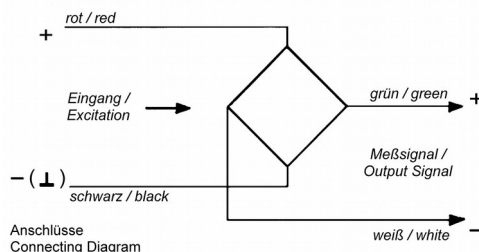
# BHS

### Technical Specifications:

Capacity	( $E_{\max}$ )	[t]	15, 20, 30, 50,	100, 150.
Accuracy Class				0.05%
Maximum Number of Load Cell Intervals	( $n_{LC}$ )			3000
Minimum Load Cell Verification Interval	( $V_{\min}$ )	[% of $E_{\max}$ ]		0.01
Sensitivity	( $C_n$ )	[mV/V]	2.00 ± 0.02	1.50 ± 0.02
Non-Linearity	( $d_{lin}$ )			≤ 0.05
Zero Balance		[% of $C_n$ ]		≤ 1
Temperature Effect on Zero Balance	( $TC_0$ )	[%C/10K]		≤ 0.03
Temperature Effect on Sensitivity	( $TC_C$ )	[%C/10K]		≤ 0.03
Minimum Dead Load		[% of $E_{\max}$ ]		0
Safe Load Limit	( $E_{lim}$ )	[% of $E_{\max}$ ]		150
Breaking Load	( $E_d$ )	[% of $E_{\max}$ ]		400
Deflection at $E_{\max}$		[mm]		≤ 0.90
Creep (over 30 Minutes)		[% of $C_n$ ]		≤ 0.05
Zero Return after 30 Minutes		[% of $C_n$ ]		≤ 0.05
Excitation		[V]		10 ... 12
Input Resistance	( $R_{LC}$ )	[Ω]		400 ± 20
Output Resistance	( $R_{OUT}$ )	[Ω]		352 ± 3
Insulation Resistance		[MΩ]		> 5000 (at 50V DC)
Nominal Temperature Range		[°C]		-10 ... +40
Service Temperature Range		[°C]		-30 ... +70
Storage Temperature Range		[°C]		-40 ... +75
Material of Load Cell		either		Stainless Steel or Alloy Steel
Material of Other Parts				-
Protection Class to EN 60 529				IP67

### Cable/Connections:

- 4-wire cable, 10 m long (50t),  
12 m long (15-30, 100-150t);
- Screened cable, screen not  
connected to load cell body;
- Cable diameter approx. 5-8 mm;
- End of wires stripped and tinned.



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

### Optional Accessories:



Load Cell Junction Box, Model AK,  
Stainless Steel Housing IP65



Load Cell Connection Cable,  
4-wire or 6-wire, screened

More Weighing Technology (e. g. load cells, weight indicators, weighing amplifiers) on [www.gbuettner.de](http://www.gbuettner.de).