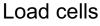
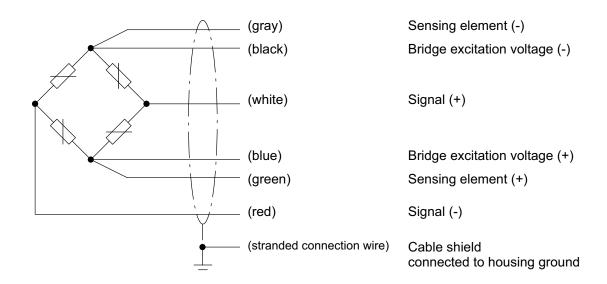
HLC F2 ...





- Hermetically encapsulated (IP68)
- Maximum capacities: 220 kg ... 1.76 t
- Rust-resistant materials
- Low height of construction
- Meets EMC requirements as per EN 45501:2015
- Legal for trade as per OIML R60 to 3000 divisions

Cable assignment (6-wire configuration)



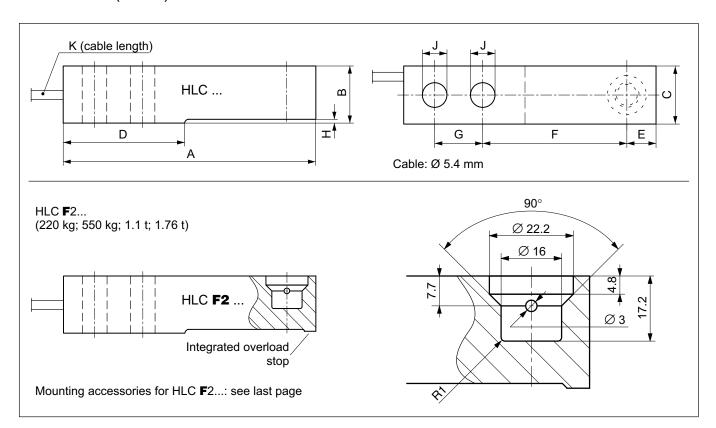


Specifications

Type HLC F2 Maximum capacity (E _{max}) (Load application = blind hole + integrated overload sto	HLC F2 C3 / 220 kg; 550 kg; 1.1 t; 1.76 t				
Accuracy class per OIML R60		C3			
Number of load cell verification intervals	n _{LC}		3000		
Minimum load cell verification interval	v _{min}	% of maximum capacity (E _{max)}	0.0100 (220 kg; 1.76 t) 0.0090 (550 kg; 1.1 t)		
Ratio of minimum verification interval Y	Y		10,000 (220 kg; 1.76 t) 11,111 (550 kg; 1.1 t)		
General specifications					
Rated output (nominal)	C _N	mV/V	1.94		
Rated output tolerance		%	±0.1		
Temperature coefficient of zero signal	TC ₀	% of C _n /10 K	±0.0140 (220 kg; 1.76 t;) ±0.0126 (550 kg; 1.1 t)		
Temperature coefficient of sensitivity ¹⁾	TC _S	9 ₁₁ , . 0 1 (±0.0140		
Relative reversibility error ¹⁾	d _{hy}		±0.0166		
Non-linearity ¹⁾	d _{lin}	% of C _n	±0.0170		
Creep upon loading in 30 min.	d _{cr}	% ∪i ∪ _n	±0.0166		
Minimum dead load output return	MDLOR		±0.0166		
Input resistance	R _{LC}	0	350 480		
Output resistance	R_0	Ω	350 ±2		
Reference voltage	U _{ref}	.,	5		
Nominal (rated) range of the supply voltage	B _U	V	0.5 15		
Insulation resistance	R _{is}	GΩ	> 5		
Nominal (rated) range of the ambient temperature	B _T		-10 +40		
Operating temperature range	B _{tu}	°C	-30 + 70		
Storage temperature range	B _{tl}		-50 + 85		
Limit load	EL		150		
Lateral loading limit	E _{lq}	% of	100		
Breaking load	E _d	maximum capacity	300		
Relative permissible vibrational stress (oscillation width as per DIN 50100)	F _{srel}	(Ė _{max)}	70		
Rated displacement at E _{max} , approx.	s _{nom}	mm	0.5 (1.76 t = 1.4 mm)		
Weight, approx.	m	kg	0.9 (220 kg 1.76 t)		
Degree of protection per EN 60 529 (IEC 529)			IP68		
Material Measuring body Cable entry Cable sheath			Stainless steel ²⁾ Stainless steel/seal: Viton [®] PVC		

The values for non-linearity (d_{lin}), relative reversibility error (d_{hy}) and temperature coefficient of sensitivity (TC_S) are recommended values. The sum of these values is within the accumulated error limit specified by OIML R60.
 As per EN 10088-1

Dimensions (in mm)

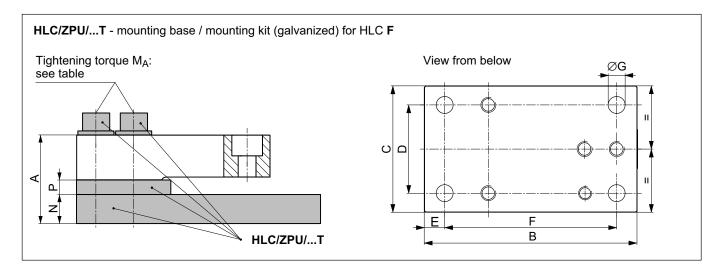


Maximum capacity	Α	В	С	D	Е	F	G	Н	J	K	ØL	M	N
220 kg; 550 kg; 1.1 t	133.4	30.2	30.7	57.7	15.4	76.2	25.4	1.7	13	3 m	20.6	M12	14.2
1.76 t	133.4	30.2	30.7	51.7	15.4	76.2	25.4	1.7	13	3 m	20.6	M12	14.2

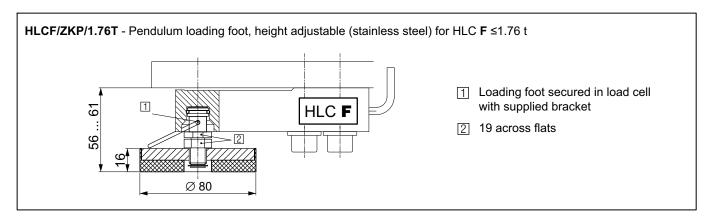
Mounting accessories (to be ordered separately)

To minimize error effects from load application, HBM offers different tried and tested load application elements for type HLC **F2** ... load cells based on the mounting conditions.

Accessories for HLC F ... (to be ordered separately; dimensions in mm)



Туре	Maximum capacity	Breaking load	Α	В	С	D	E	F	G	N	Р	M _A
HLC/ZPU/1.76 T	220 kg 1.76 t	3.52 t	60.5	168	100	70	16	136	13.5	20	10	130 N·m



Subject to modifications.
All product descriptions are for general information only. They are not to be understood as a guarantee of quality or durability.