

CK.265... SHAFT THROUGH LOAD CELLS



- Compact design
- Easy installation
- ✓ High reliability
- ✓ Strain gauge technology
- ✓ High versatility
- Measuring range from 5000N to 30000N

A reliable web tension control may reduce web tears in order to increase productivity. CK load cells , used in a precise tension control system, are designed to carry out these delicate tasks.

They are installed in shaft through applications at the end of a measuring roller to precisely detect the resultant of the forces generated by pulling of the material depending on the wrapping angle.

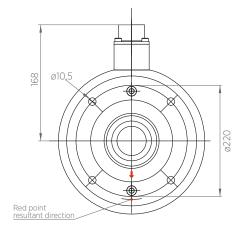
CK shaft through load cells have been designed with a compact design, to easily fit them in narrow spaces, to be installed very easily and to reach a very high reliability. Depending on models CK load cells are made with single or double foil.

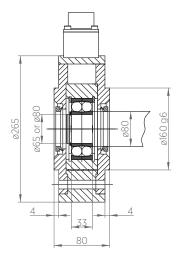
Operating principle: CK load cells use the strain gauge operating principle to guarantee a perfect detection of the web tension. Strain gauges resistors are mounted on a inner metal foil of a load cell and connected to each other in a "wheatstone bridge" able to convert a mechanical movement into an electrical signal, that must be amplified by suitable amplifiers.



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TECHNICAL DRAWING





Selection model table

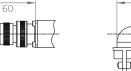
Code	Load N
CK.265.500.65	5000
CK.265.1000.65	10000
CK.265.2000.65	20000
CK.265.3000.80	30000

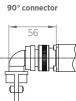
* for other model contact our technical dpt.

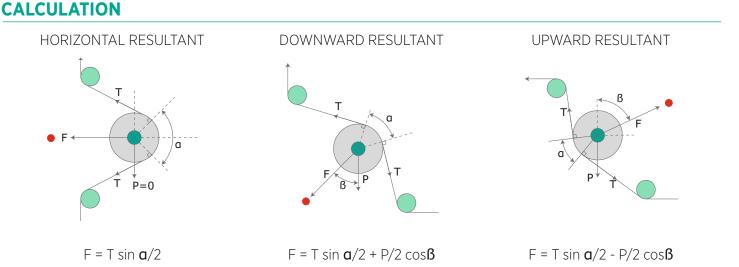
CK.265.xx.xx L_{Hole} Load N Load cell model



C







TECHNICAL DATA

Normal	from 1,5mV/V to 2,0mV/V
Supply	max 15V (max at full-scale value: 20 mV)
	<0,05% full-scale value
	strain gauge full bridge
	350 Ω Ohm
	300% full-scale value
	+10°C ÷ +50°C
	+10°C ÷ +50°C
	4-20 mA output
	Normal Supply

a are subject to technical change without notice.



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