





CF.70 FLANGE LOAD CELLS

- Compact design
- Easy installation
- ✓ High reliability
- ✓ Strain gauge technology
- Measuring range from 250N to 1000N

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

They are installed 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.

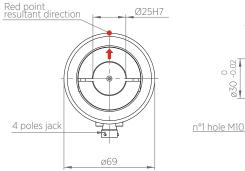
CF load cells have been designed with a compact design, to easily fit them in narrow spaces, to be installed very easily and to reach a very high reliability.

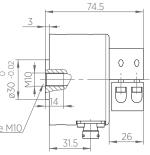
Operating principle: CF load cells use the strain gauge operating principle to guarantee a perfect detection of the web tension. Strain gauges resistors are mounted on a inner metal foil of a load cell and connected to each other in a "wheatstone bridge" able to convert a mechanical movement into an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



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TECHNICAL DRAWING





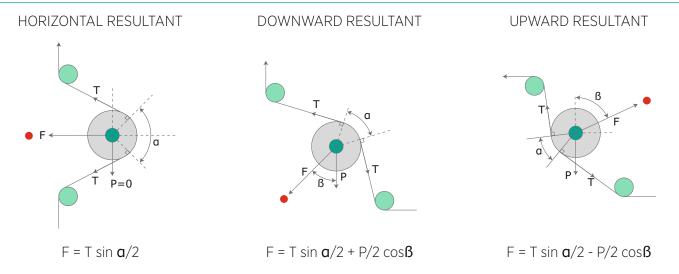
Selection model table

Code	Load N
CF.70.25.25	250
CF.70.50.25	500
CF.70.100.25	1000

* for other model contact our technical dpt.



CALCULATION



TECHNICAL DATA

Sensitivity	Normal Supply	from 1,5mV/V to 2,0mV/V 10V - max 15V
Total error-repeatability-histeresy-linearity		< ± 0,05% end scale value
Measuring principle		strain gauge full bridge
Strain gauge bridge resistance		350 Ω Ohm
Max overload		300%
Temperature range		0°C/+60°C
Option		4-20 mA output

*Data are subject to technical change without notice



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