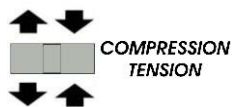


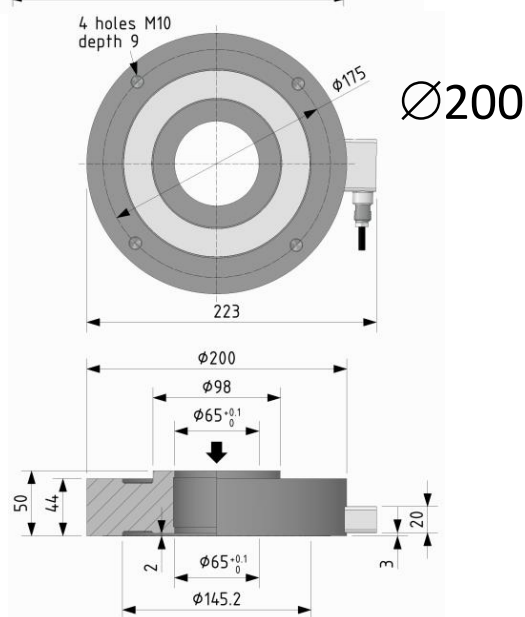
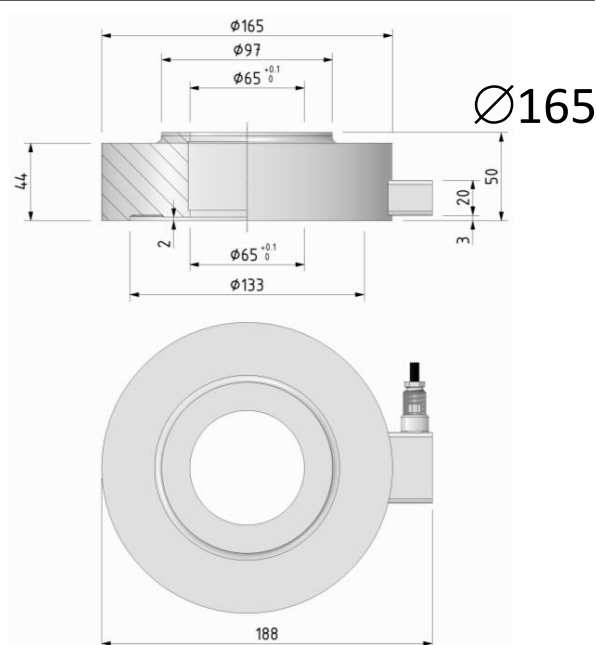
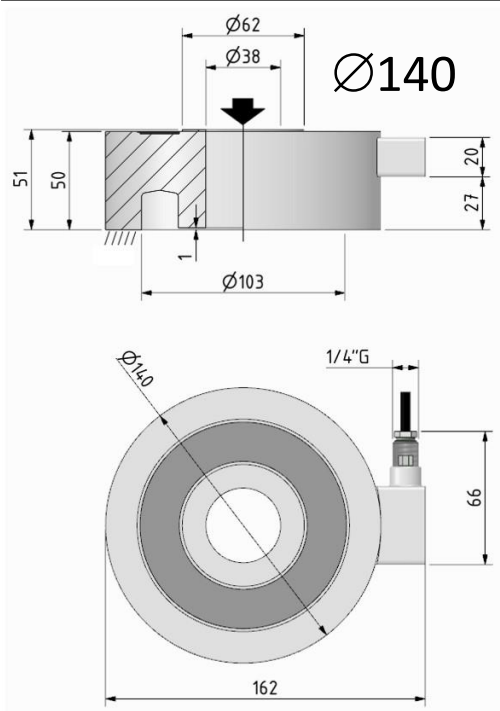
10C

FORCE transducer



Standard output
2mV/V

Dimensions [mm]



LOAD:	CODE:
10 kN	CC1014010KNI15
25 kN	CC1014025KNI15
50 kN	CC1014050KNI15
100 kN	CC10140100KNI15

LOAD:	CODE:
250 kN	CC10165250KNI15
500 kN	CC10165500KNI15

LOAD:	CODE:
750 kN	CC10200750KNI15
1000 kN	CC102001MNI15

IMPORTANT NOTE:
The contact surfaces with force transducer must have a hardness $HRC \geq 40$ and a roughness $Ra \leq 1.6$



Technical Data

NOMINAL LOAD	10 - 25 - 50 kN 100 kN	250 - 500 kN 750 - 1000 kN
LINEARITY	$\leq \pm 0.10 \% \text{ F.S.}$	
NOMINAL SENSITIVITY	2mV/V	
SENSIVITY TOLERANCE	$\leq \pm 0.1\% \text{ F.S.}$	
INPUT RESISTANCE	$800 \pm 20\Omega$	
OUTPUT RESISTANCE	$705 \pm 2\Omega$	
INSULATION RESISTANCE	$> 5 \text{ G}\Omega$	
ZERO BALANCE	$\leq \pm 1 \% \text{ F.S.}$	
RECOMENDED SUPPLY VOLTAGE	10 V	
NOMINAL SUPPLY VOLTAGE	1-15 V	
MAXIMUM SUPPLY VOLTAGE	18 V	
TEMPERATURE EFFECT (10°C)		
a) on zero	$\leq \pm 0.028\% \text{ F.S.}$	
b) on sensitivity	$\leq \pm 0.024\% \text{ F.S.}$	
REFERENCE TEMPERATURE	+23 °C	
TEMPERATURE NOMINAL RANGE	-10 / +40 °C	
SERVICE TEMPERATURE RANGE	-10 / +70 °C	
STORAGE TEMPERATURE RANGE	-20 / +80 °C	
MECHANICAL LIMIT VALUES:		
a) service load	120%	
b) max permissible load	150%	
c) breaking load	$> 300\%$	
d) max transverse load	100%	
e) max permissible dynamic load	75%	
DISPLACEMENT AT NOMINAL LOAD	$\sim 0.17 \text{ mm}$	$\sim 0.20 \text{ mm}$ $\sim 0.25 \text{ mm}$
WEIGHT	$\sim 4.1 \text{ kg}$	$\sim 5.5 \text{ kg}$ $\sim 8.3 \text{ kg}$
PROTECTION CLASS (EN 60529)	IP67	
EXECUTION MATERIAL	Stainless Steel	
CABLE OUTPUT	5 m PVC 105°C shielded cable, $\varnothing 5.3\text{mm}$ with 4	

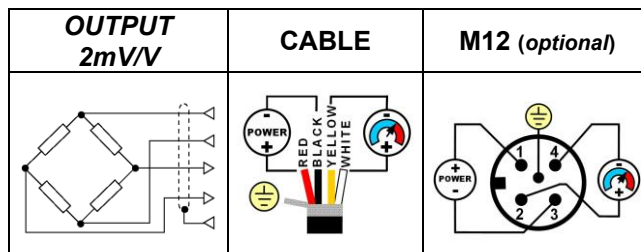
kg calibration on request.

OPTIONS

To be purchased separately

	CODE	⁽⁹⁾ OPTION
	CONN12MF	Direct output connector M12
	CONN12FV5	Female 5 poles straight M12x1 CONNECTOR complete PVC molded CABLE , shielded, length 3 m.

Electrical Connections



Shield connected to the transducers body.

In order to improve the technical performances of the product, the company reserves the right to make any change without notice.

