

# MA3

## COMPRESSION LOAD CELL – LOW PROFILE



Capacity from 250 kg to 100000 kg

- 17-4 PH STAINLESS STEEL (on request AISI 420 stainless steel version; not OIML approved)
- COMBINED ERROR  $\leq \pm 0.03\%$  (0.02% C3)
- PROTECTION CLASS IP68



CAPACITY	kg	ACCURACY CLASS		NET WEIGHT (kg)	CODE
		C2	C3		
	250	-	-	1.1	MA3-250
	500	-	-	1.1	MA3-500
	1000	-	-	1.1	MA3-1000
	2500	•	•	1.1	MA3-2500
	5000	•	•	1.1	MA3-5000
	7500	•	•	1.1	MA3-7500
	10000	-	•	1.1	MA3-10000
	12500*	-	-	1.6	MA3-12500
	15000	-	-	2.1	MA3-15000
	30000	-	-	3.8	MA3-30000
	50000	-	-	8.6	MA3-50000
	100000	-	-	9.1	MA3-100000

(\* ) Except for the capacity of 12500kg, which is already OIML R60 C3 approved Except for the capacity of 12500kg

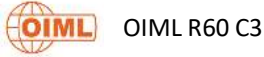
## COMPRESSION LOAD CELL – LOW PROFILE

### CERTIFICATIONS



OIML R60 C2

CERTIFICATIONS ON REQUEST



OIML R60 C3

### TECHNICAL FEATURES

Material	17-4 PH stainless steel		
OIML R60 Accuracy class • Verification intervals	-	C2 • 2000	C3 • 3000
Nominal load (E max)	250 - 500 - 1000 - 15000 kg 30000 - 50000 - 100000 kg	2500 - 5000 kg 7500 - 10000 kg	2500 - 5000 - 7500 kg 10000 - 12500 kg
Minimum verification interval (V min)	-	E max / 15000	E max / 15000
Combined error	≤±0.03%	≤±0.03%	≤±0.02%
Protection class	IP68		
Rated output	2 mV/V ±0.1%	Input resistance	700 Ω ±10
Temperature effect on zero	0.005% °C	Output resistance	700 Ω ±10
Temperature effect on span	0.003% °C	Zero balance	±1%
Compensated temperature range	-10 °C / +50 °C	Insulation resistance	>10000 MΩ
Operating temperature range	-20 °C / +70 °C	Safe overload (% of full scale)	150%
Creep at nominal load in 30 minutes	0.03%	Ultimate overload (% of full scale)	300%
Max supply voltage without damage	15 V	Deflection at nominal load	0.4 mm

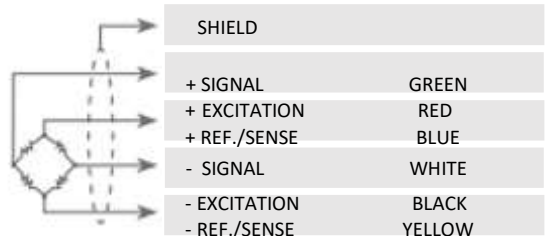
### ELECTRICAL CONNECTIONS

Cable length 5 m\*(250-10000 kg);10m(12500-100000 kg)

Cable diameter 5 mm

Cores 6 x 0.14 mm<sup>2</sup>

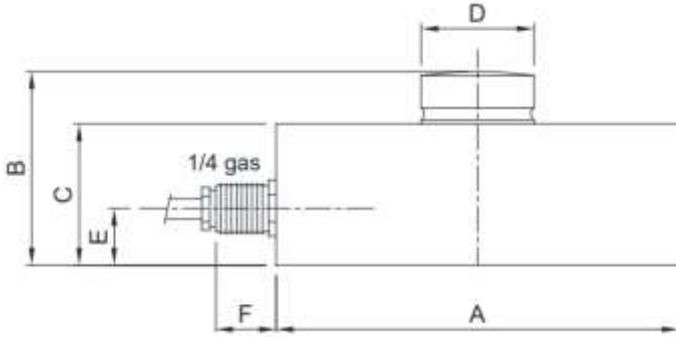
(\*) On request: 10 m long cable version



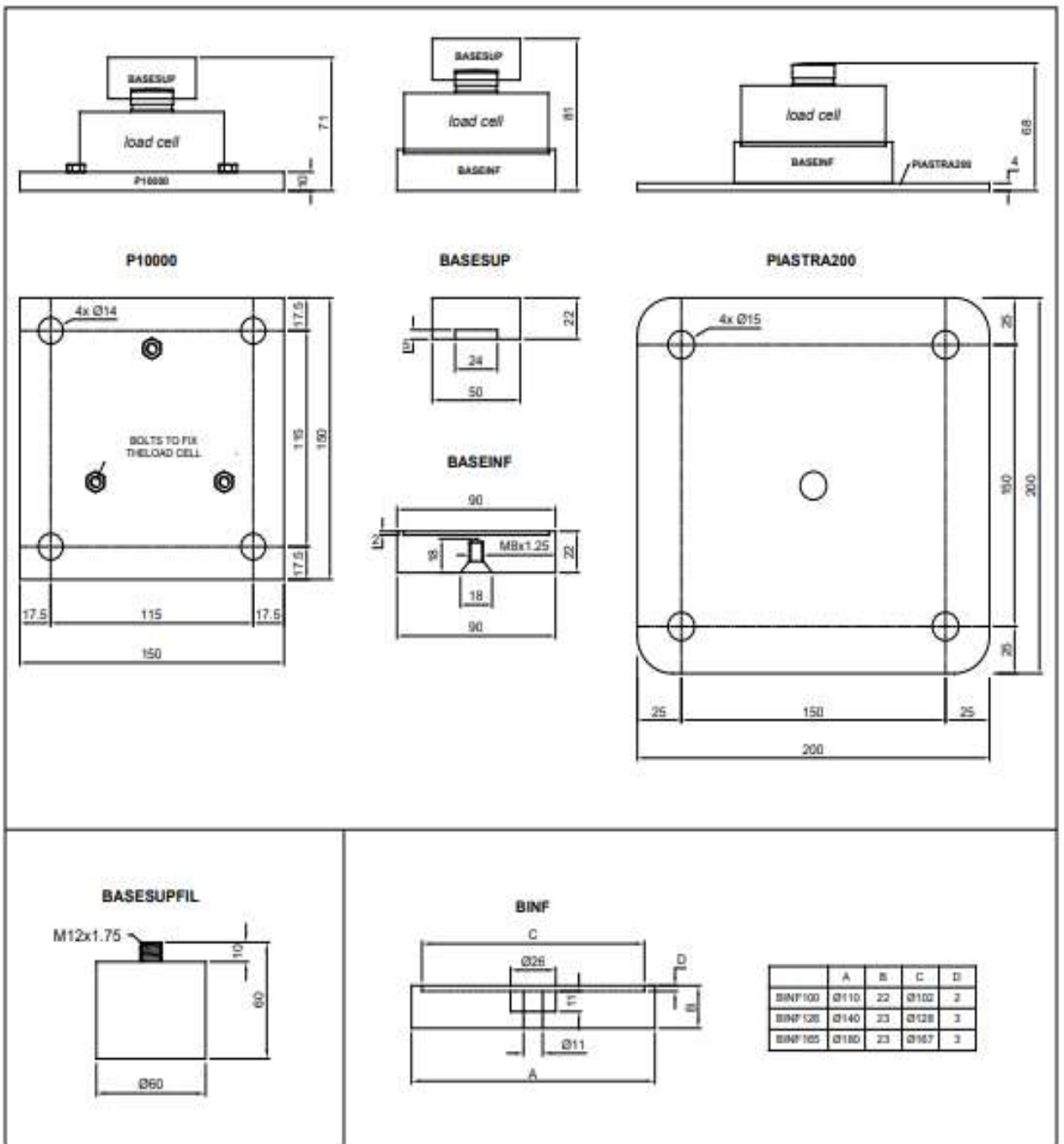
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## COMPRESSION LOAD CELL – LOW PROFILE

### DIMENSIONS (mm)



kg	250	15000	30000	50000
A	Ø82	Ø100	Ø126	Ø164
B	44	48	54	80
C	32	35	40	60
D	Ø22	Ø28	Ø35	Ø60
E	14	14	14	26
F	15	15	15	15



	A	B	C	D
BINF100	Ø110	22	Ø102	2
BINF120	Ø140	23	Ø128	3
BINF105	Ø180	23	Ø167	3