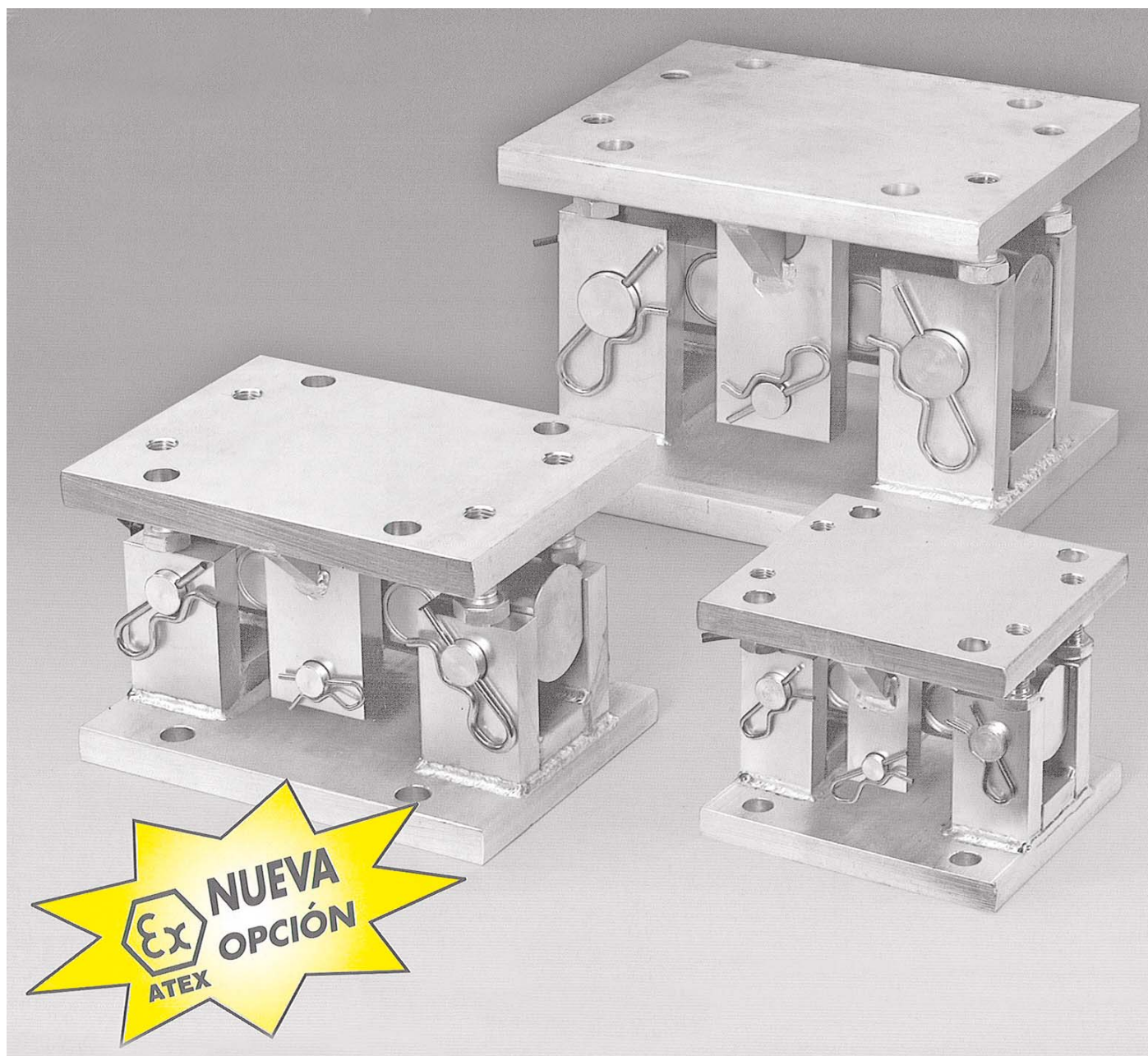


# Uvitem

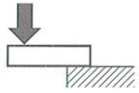
Ultravioleta, Tecnología  
y Maquinaria, S.L.

## Load cells

Uvitem assembles load cells for areas with ATEX certificate.



## Bending or shear beam



### MOD. 300

3000 Div.  
Double bending beam  
Stainless steel  
Welded bellow  
IP-68

### Capacity kg

10 - 20 - 30 - 50  
75 - 100 - 150  
200 - 250 - 300

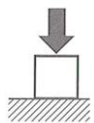
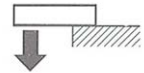


### MOD. 340

3000 Div.  
Double bending beam  
Stainless steel  
Welded bellow  
IP-68

### Capacity kg

15 - 30 - 50 - 75 - 100  
150 - 200 - 250 - 300  
500 - 750 - 1000

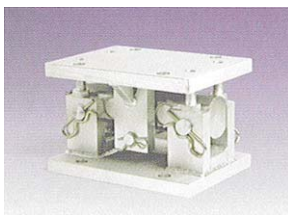
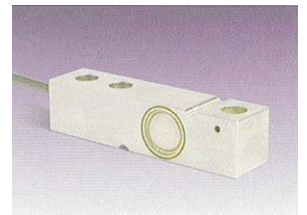


### MOD. 350

3000 Div.  
Shear beam  
**350 i:** Inox-Sealed IP68  
**350 a:** Inox-Silicone IP66  
**350 n:** Nickel-Silicone IP66

### Capacity kg

300 - 500 - 750 - 1000  
1500 - 2000  
3000 - 5000

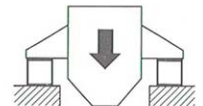


### MOD. 460 + ACC.

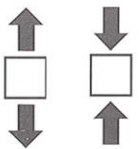
3000 Div.  
Double shear beam  
Stainless steel cell  
Zinc-plated support  
Stainless steel (optional)  
Welded seal IP-68

### Capacity t

5 - 10 - 20 - 30 - 50  
75 - 100



## Tension / compression



### MOD. 650

3000 Div. (\*2000 Div.)  
Tension compression  
Stainless steel  
Welded seal, IP-68

### Capacity kg

250\* - 500 - 1000  
2000 - 5000



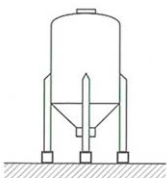
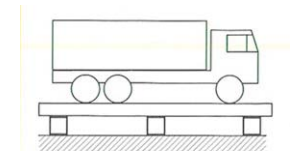
## Compression / shear beam



### MOD. 740

3000 Div. 15 - 20 - 25 - 30 - 40 - 60  
\*1000 Div. 100\* - 200\* - 400\*

Self-centering column  
Stainless steel  
Protection against beam  
Welded seal, IP-68  
Digital model, optional



### MOD. 750

3000 Div.  
Double shear beam  
Welded seal, IP-68  
**750 a:** Painted steel  
**750 i:** Stainless steel

### Capacity t

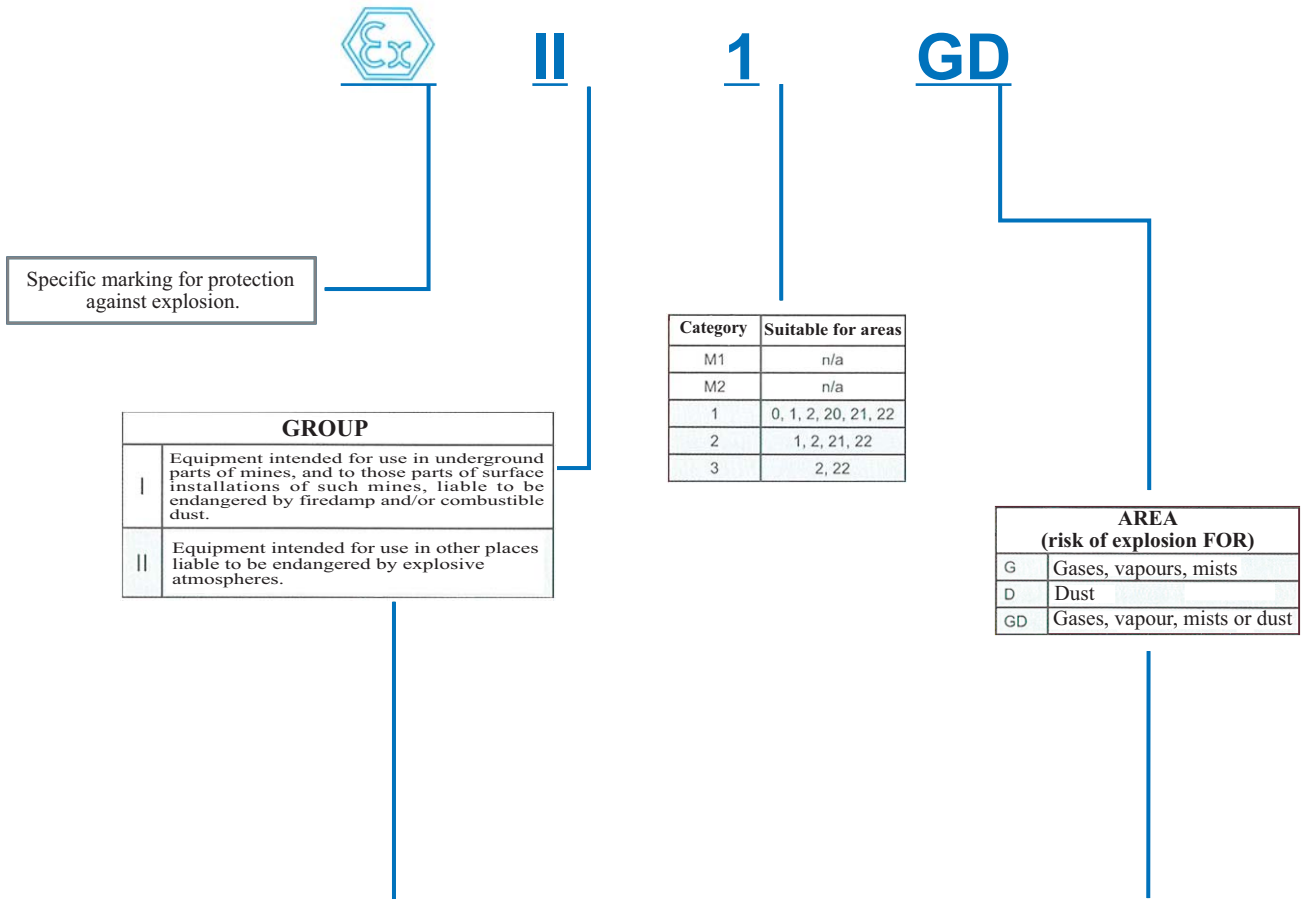
7,5 - 10 - 15  
20 - 25 - 30



# ATEX Certificate

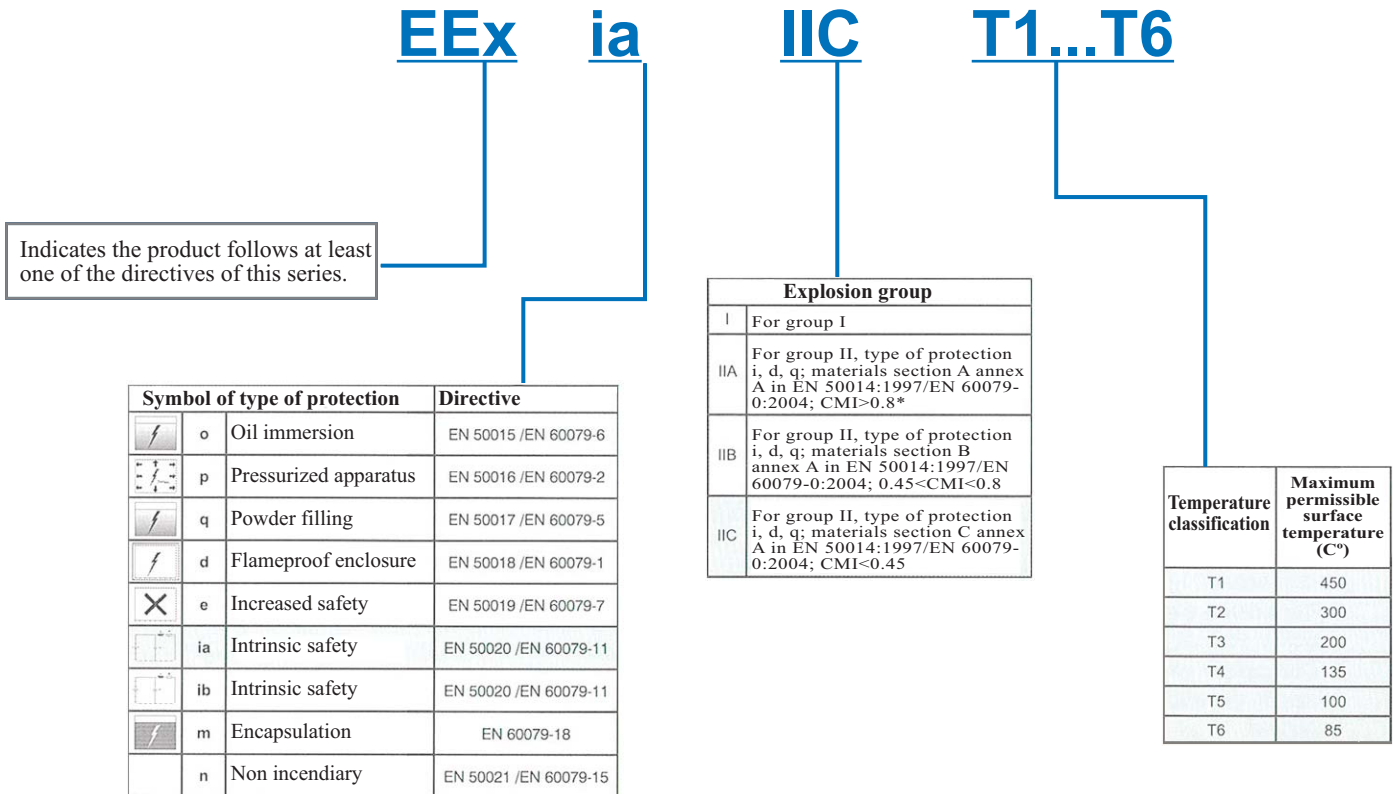


## SPECIFIC MARKING



Group	Category	Level of protection	Protection offered	Terms of operation	Complementary requirements (ATEX directives)	Area		Probability of explosive atmosphere formation
						G	D	
I	M1	Very high	Two separate means of protection ensure the protection in the event of two faults occurring independently of each other.	Power supply is not cut off. The equipment remains functional with an explosive atmosphere present.	-Section 2.0.1., Annex II -(Annex III, IV, V) or (Annex IX) (see section 8)	n/a	n/a	SAFE
I	M2	High	Suitable for normal operation and harsh conditions	Power supply is cut off with an explosive atmosphere present	-Section 2.0.2. annex II -(Annex III, VI, VII) or (Annex IX) (see section 8)	n/a	n/a	SAFE
II	1	Very high	Two separate means of protection ensure the protection in the event of two faults occurring independently of each other.	Power supply is not cut off. The equipment remains functional in areas 0, 1, 2 (G) or 21, 22 (D)	-Section 2.1. annex II -(Annex III, VI, V) or (annex IX) (see section 8)	0 1 2	20 21 22	HIGH PROBABILITY
II	2	High	Suitable for normal operation even in the event of disturbances or the equipment operating faults, which normally have to be taken into account.	Power supply is not cut off. The equipment remains functional in areas 1, 2 (G) or 21, 22 (D)	-Section 2.2. annex II -(Annex III, VI, VII) or (annex IX) (see section 8)	1 2		PROBABLE
II	3	Normal	Suitable for normal operation	Power supply is not cut off. The equipment remains functional in areas 2 (G) or 22 (D)	-Section 2.3. annex II -Annex VIII or annex IX (see section 8)			LOW PROBABILITY

## ADDITIONAL MARKING



**The directive 94/9/CE “ATEX” (equipment and protective systems intended for use in potentially explosives atmospheres) in weighing systems.**

### Objective:

All equipment installed in atmospheres potentially explosive must have **ATEX** certificate. These guarantees that these equipments are safe and are not capable of cause any explosion.

### Stages of application:

- 1° 1<sup>st</sup> july 2003: for all new commercialized equipments.
- 2° 1<sup>st</sup> july 2006: for all equipments in existence

### Consequences:

**The last stage of ATEX directive come into force the 1<sup>st</sup> July 2006 by which all weighing equipments installed in potentially explosive atmospheres must have ATEX certification. The first stage which came into force the 1<sup>st</sup> July 2003, bound only the new equipment assembled and installed from that date; which means the present renovation of all the “former” weighing equipments which has not the ATEX certification.**