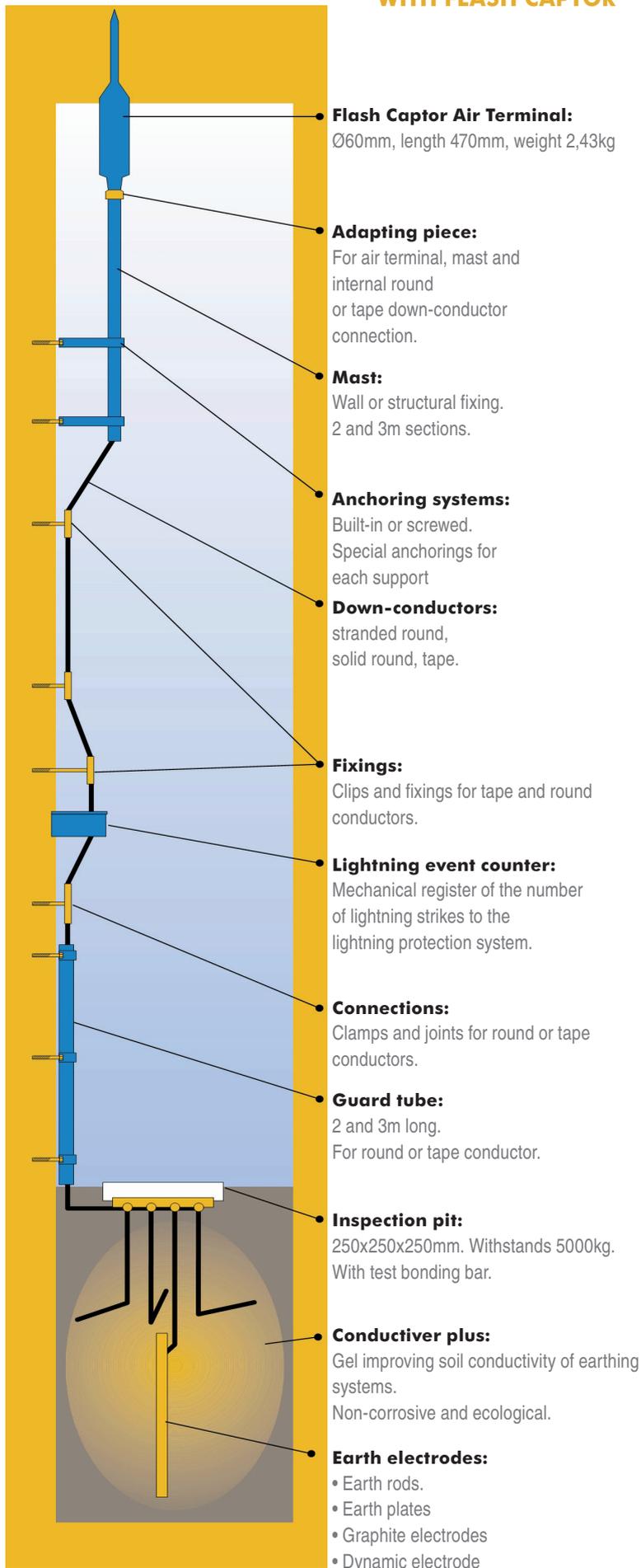


FLASH CAPTOR E.S.E. AIR TERMINAL

LIGHTNING PROTECTION SYSTEM INSTALLATION WITH FLASH CAPTOR



SPECIFICATIONS

FLASH CAPTOR Early Streamer Emission Air Terminal (ESEAT) is a pulsating emitter with advance time ΔT , determining a protection radius for each protection level (see table). Equipped with insulating system protector, stepped electrostatic charge accumulator, upward streamer generator and multiple spark-gap. No need for an external power supply. Maintenance free.

RADII OF PROTECTION (m)

		FLASHCAPTOR				
		h (m)	15	30	45	60
PROTECTION LEVEL I	2	13	19	25	31	
	4	25	38	51	63	
	6	32	48	63	79	
	10	34	49	64	79	
	20	35	50	65	80	
PROTECTION LEVEL II	2	15	22	28	35	
	4	30	44	57	69	
	6	38	55	71	87	
	10	40	57	72	88	
	20	44	59	74	89	
PROTECTION LEVEL III	2	18	25	32	39	
	4	36	51	64	78	
	6	46	64	81	97	
	10	49	66	83	99	
	20	55	71	86	102	
PROTECTION LEVEL IV	2	20	28	36	43	
	4	41	57	72	85	
	6	52	72	90	107	
	10	56	75	92	109	
	20	63	81	97	113	

h: Air Terminal height over the surface to be protected

TECHNICAL DATA

- High voltage impulse emitter and upward streamer generator. Watertight, located inside the central body of the air terminal and protected against electric discharges by Faraday cage shaped assemblage.
- Triple insulating system protector, warranting the system performance in weather condition.
- Stepped electrostatic charge accumulator and a single discharging tip in order to avoid the ineffective charge spread.
- Wholly manufactured with stainless steel type AISI-316 (without aluminium parts to avoid the formation of galvanic coupling and corrosion).
- Atmospheric electric charge as only power supply, being thus autonomous and maintenance free.
- External diameter (body): 60mm. Length: 470mm. Weight: 2,43 kg.

TEST ACCREDITATION AND APPLIED STANDARDS

Tested and certified by the Accredited Laboratory Laboratorio Central Oficial de Electrotecnia de Madrid (Ministry of Industry).

Annex C of Standards UNE 21186/96 and NF C 17-102/95.