



"D" SERIES PASSIVE ANCHORAGES



The "D" system is designed to comply with the guidelines **ETAG 013** and it is awarded with the European Technical Approval **ETA-09-0012** and the marking **CE 0969-CPD-001/09-PT**.

The anchorage is made of: an anchor plate, wedges, connection and anchor casting.

Simulations made with finite element codes and laboratory tests allowed to design a compact anchorage to comply with the guidelines **ETAG 013**. The D anchorage is designed for all the applications where the use of a passive anchorage, which is usually submerged into the grouting, is required. The steel plate that contains the wedges is preassembled and filled with grease from the factory.



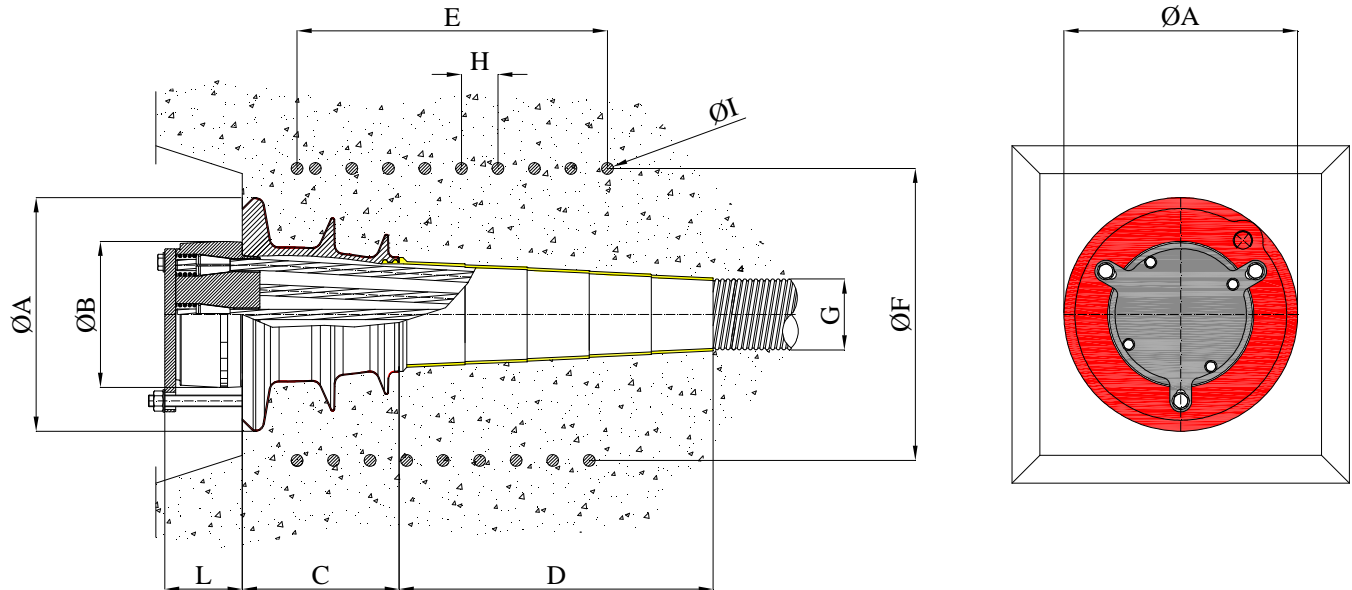
The "D" series active anchorage is made of the following parts: casting, preassembled D anchor plate, wedges and connection in H.D.P.E. to connect the casting to the metallic sheath. Castings have a turned plane for the plate, holes for connection to cap and formwork and a threaded grouting hole. Castings are in spheroidal cast iron EN-GJS 500-7 EN-JS-1050, which offers a high resistance to stress. Being weldable, it guarantees the maximum safety during installation.

Strands are blocked on a distribution plate with truncated cone holes in steel C40-45 UNI EN 10083/1 and by means of wedges in steel 16NiCr4Pb UNI EN 10277-4. The plate is provided with holes, inside which the wedge and the spring thruster are placed. Everything is sealed with a steel closing cover to guarantee sealing against infiltrations to which the anchorage is exposed while grouting.

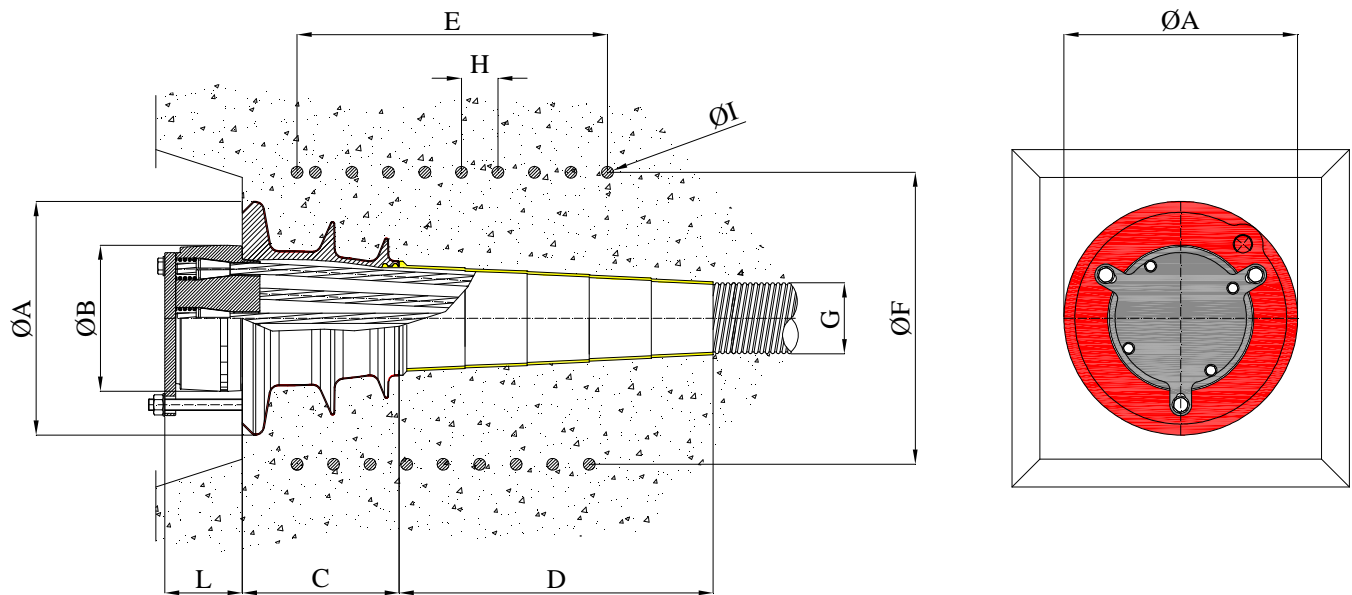
The anchorage and the sheaths are connected by means of a truncated cone connection that guarantees a correct deviation of strands, minimizing the values of losses. The connection is made of H.D.P.E.

All castings have threaded holes on the plane to allow an easy fixing of the D plate to the casting.

All castings have a gas threaded hole for grouting to allow the connection to the several solutions available for grouting.



Type	Ultimate load for cable			A	B	C	D	E	F	G	H	I	L
	T15	T15S	T15C										
	259 kN	279 kN	307 kN	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
4D15	1036	1116	1228	160	105	103	300	180	170	45/50	45	12	90
7D15	1813	1953	2149	200	125	133	340	250	220	62/67	45	12	90
9D15	2331	2511	2763	235	146	163	380	250	250	72/77	45	14	90
12D15	3108	3348	3684	265	160	180	385	300	300	80/85	50	16	90
15D15	3885	4185	4605	290	176	197	405	350	355	85/90	50	16	90
19D15	4921	5301	5833	320	200	215	430	425	400	95/100	50	16	106
22D15	5698	6138	6754	355	230	260	430	425	420	100/105	50	18	111
27D15	6993	7533	8289	380	250	277	470	400	460	110/115	60	18	120



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