

9.0 - "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.

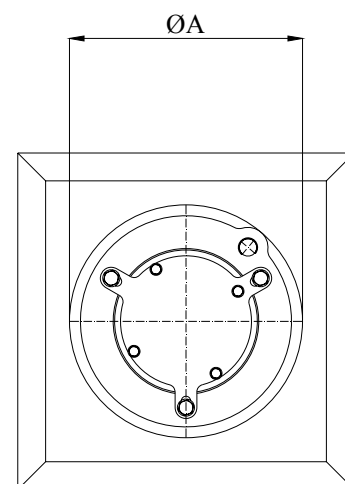
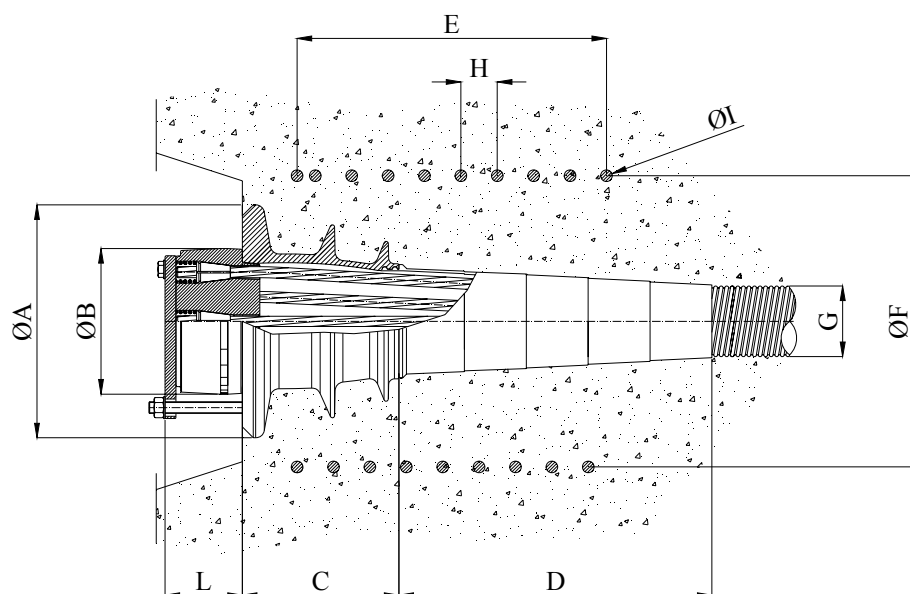
Strands are blocked on a distribution plate with truncated cone holes in steel C40-45 UNI EN 10083/1 and by means of wedges in steel 16NiCr4Pb UNI EN 10277-4. The plate is provided with holes, inside which the wedge and the spring thruster are placed. Everything is sealed with a steel closing cover to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

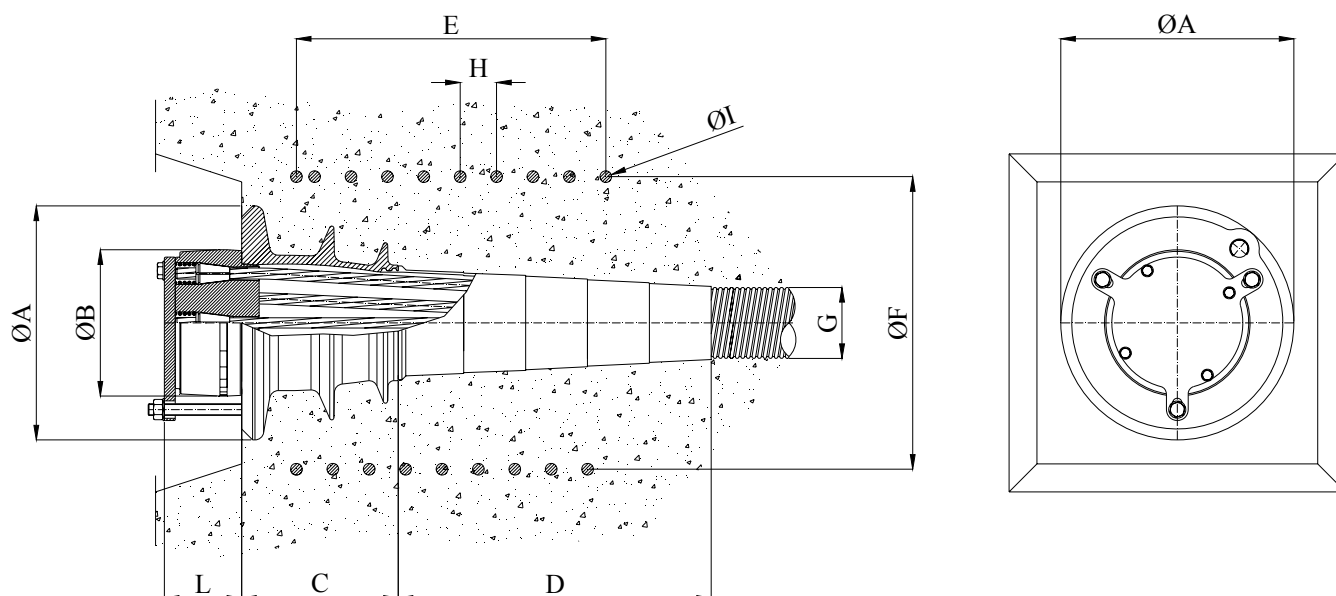
45 MPa concrete class



Type	Ultimate load			A	B	C	D	E	F	G	H	I	L
	T15 259 per cable (KN)	T15S 279 per cable (KN)	T15C 307 per cable (KN)										
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

Our company reserves the right to change our products and specifications without any previous notice.

(Measures in mm.)



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