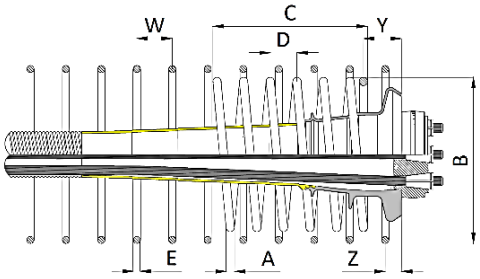
MULTISTRAND ANCHORAGE SYSTEM PTM-TTM

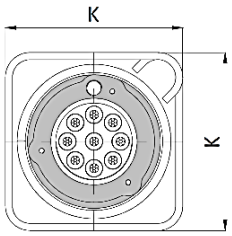
The "M" system from ***TTM tension technology*** has been designed to fully comply with the ETAG 013 guideline and holds European Technical Assessment ETA 15/0329 and CE marking 1777-CPR-15.07. Each anchorage comprises an anchor head, wedges and a combined steel and plastic trumpet.



Strand	4 strands	7 strands	9 strands	12 strands	15 strands	19 strands
Ø15.2	560 mm²	980 mm²	1260 mm²	1680 mm²	2100 mm²	2660 mm²
Ø15.7	600 mm²	1050 mm²	1350 mm²	1800 mm²	2250 mm²	2850 mm²

M SERIES – LIVE-END ANCHORAGE

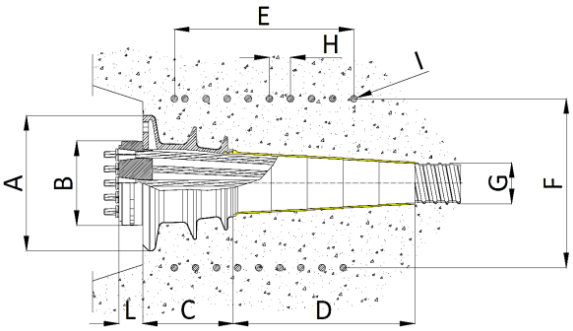






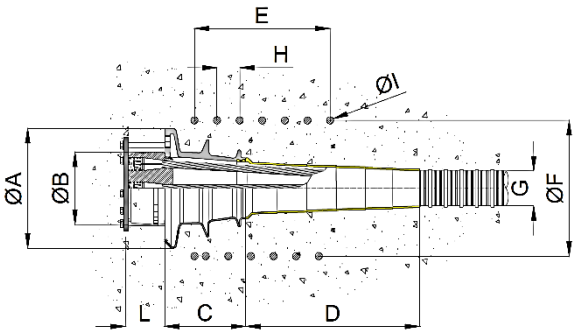
		Helix						Additional reinforcement				
	Strands	A [mm]	B [mm]	C [mm]	D [mm]	Y [mm]	No.	E [mm]	K [mm]	W [mm]	Z [mm]	No.
35 MPa	4	12	180	202.5	45	40	5	10	230	60	15	8
	7	12	240	270	45	50	7	12	315	60	20	11
	9	14	300	270	45	65	7	12	350	60	27.5	12
	12	16	350	350	50	65	7	12	410	60	27.5	14
	15	16	410	400	50	70	9	12	460	60	27.5	15
	19	16	440	450	50	75	9	12	525	60	27.5	18

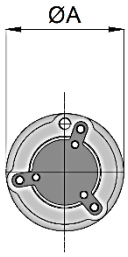




Type M	Strands	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	L [mm]
35 MPa	4	160	105	103	300	205	180	45/50	45	12	90
	7	200	125	133	340	270	240	62/67	45	12	90
	9	235	146	163	380	270	300	72/77	45	14	90
	12	265	160	180	385	350	350	80/85	50	16	90
	15	290	176	197	405	450	410	85/90	50	16	90
	19	320	200	215	430	450	440	95/100	50	16	106

D SERIES – DEAD-END ANCHORAGE

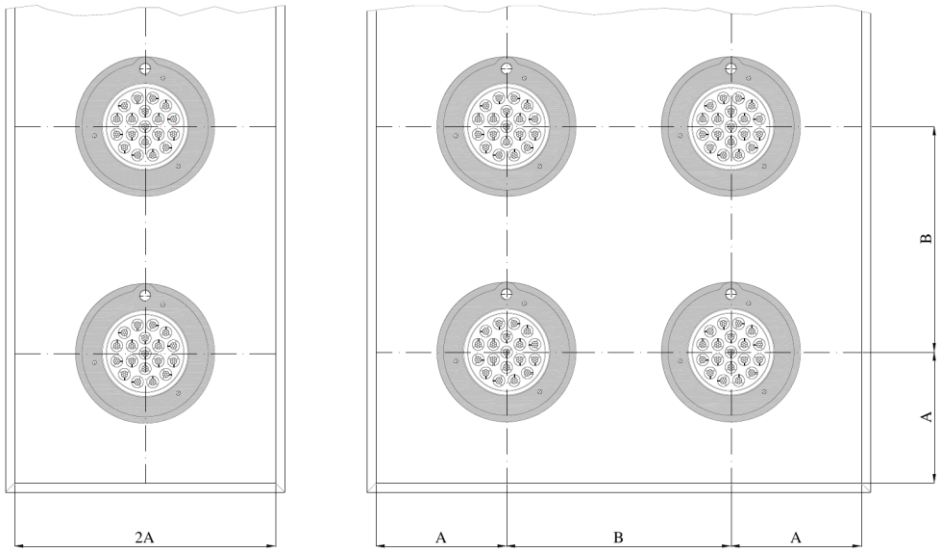






Type D	Strands	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	L [mm]
35 MPa	4	160	105	103	300	205	180	45/50	45	12	90
	7	200	125	133	340	270	240	62/67	45	12	90
	9	235	146	163	380	270	300	72/77	45	14	90
	12	265	160	180	385	350	350	80/85	50	16	90
	15	290	176	197	405	450	410	85/90	50	16	90
	19	320	200	215	430	450	440	95/100	50	16	106

SPACING AND EDGE DISTANCES



	f_{cmj} 35 MPa	
Strands	A [mm]	B [mm]
4	130	250
7	175	335
9	190	370
12	220	430
15	245	480
19	280	545