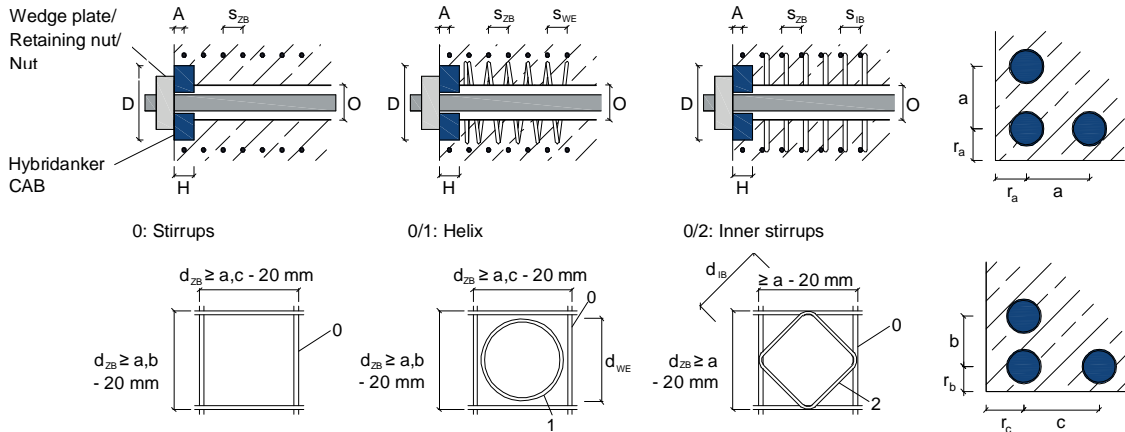


CAB 3-06102

Bar tendon with a straight anchor nut



Bar ¹⁾	mm	32	36	40	50	75				
A_p	mm ²	804	1018	1257	1963	4185				
$f_{p0,1k} / f_{p0,2k} / f_{pk}$	MPa	835 / 835 / 1030								
$F_{p0,1k} / F_{pk}$	kN	672 / 828	850 / 1048	1049 / 1294	1640 / 2022	3497 / 4311				
Nut \varnothing	mm	70	75	90	105	135				
HYBRIDANKER with confinement inside the concrete structure										
Diameter D	mm	155	165	190	220	300				
Height H	mm	55	65	65	75	115				
Concrete with bursting reinforcement										
Opening O	≤ mm	75	75	90	90	110				
Strength $f_{cm,0,cyl}$	≥ MPa	28								
$a \times a^{2),3)}$	≥ mm	195	215	240	295	420				
Reinforce. Type	mm	0	0	0	0	0/1	0/2	0	0/1	0/2
0: Stirrups ⁴⁾	-	4	4	5	6	6	5	8	7	8
Bar diameter	mm	12	14	14	16	12	12	20	16	14
A	mm	45	45	45	50	45	45	85	70	80
S_{zB}	mm	50	55	50	50	50	60	60	70	60
1: Turns	-	-	-	-	-	5	-	-	6	-
d_{WE}	mm	-	-	-	-	210	-	-	310	-
Bar Diameter	mm	-	-	-	-	12	-	-	16	-
Pitch S_{WE}	mm	-	-	-	-	50	-	-	70	-
2: Inner stirrups	-	-	-	-	-	-	4	-	-	7
Bar diameter	mm	-	-	-	-	-	14	-	-	16
d_{IB}	mm	-	-	-	-	-	215	-	-	310
S_{IB}	mm	-	-	-	-	-	60	-	-	60

- 1) EC2: $P_{m0,max} = \min\{0,8 F_{pk}; 0,9 F_{p0,1k}\}$ $P_{0,max} = 0,95 F_{p0,1k}$
 DIN FB 102: $P_{m0,max} = \min\{0,75 F_{pk}; 0,85 F_{p0,1k}\}$ $P_{0,max} = \min\{0,8 F_{pk}; 0,9 F_{p0,1k}\}$
- 2) $b \times c \geq a \times a$ with $b, c \geq 0,85 \times a$ $a, b, c \geq D + 20 \text{ mm}$
- 3) $r_a \geq 0,5 \times a - 10 \text{ mm} + \text{concrete cover}$ $r_b \geq 0,5 \times b - 10 \text{ mm} + \text{concrete cover}$ $r_c \geq 0,5 \times c - 10 \text{ mm} + \text{concrete cover}$
- 4) $d_{zB} \geq a, b, c - 20 \text{ mm}$