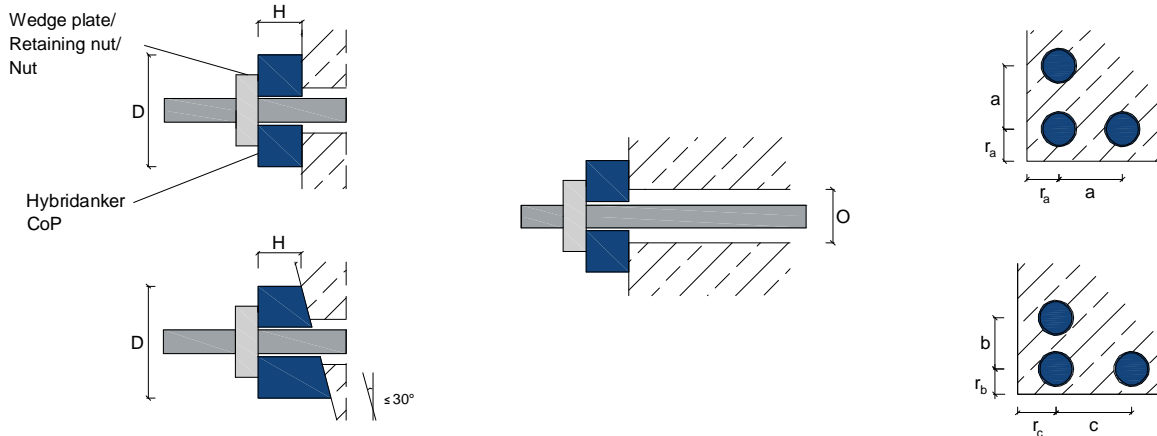


CoP 3-06101

Bar tendon with a straight anchor nut



System <sup>1)</sup>	-	32	36	40	50	75															
$A_p$	mm <sup>2</sup>	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															
<b>HYBRIDANKER with inner or outer laying confinement</b>																					
Diameter D	mm	190	210	230	285	395															
Height H	mm	85	90	90	110	150															
<b>Concrete without bursting reinforcement (Minimum reinforcement ratio within a x a x a = 50 kg/m<sup>3</sup>)</b>																					
Opening O	≤ mm	90	90	90	110	125															
Strength $f_{cm,0,cyl}$	≥ MPa	25	28	33	38	25	28	33	38	25	28	33	38	25	28	33	38				
$a \times a^{(2),(3),(4)}$	≥ mm	330	310	275	250	370	345	305	280	410	380	335	310	510	475	415	385	-	-	-	555

- Pretensioning technology: 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:  $P_{m0,max} = \min\{0,75 F_{pk}; 0,85 F_{p0,1k}\}$   $P_{0,max} = \min\{0,8 F_{pk}; 0,9 F_{p0,1k}\}$   
 Geotechnics DIN EN 1537: Maximum clamping force  $P_0 = 0,6 F_{pk}$
- Center distances for concrete strength between 25 and 38 MPa, can be determined by linear interpolation
- $b \times c \geq a \times a$  with  $b, c \geq 0,85 \times a$   $a, b, c \geq D + 20$  mm
- $r_a \geq 0,5 \times a - 10$  mm + concrete cover  $r_b \geq 0,5 \times b - 10$  mm + concrete cover  $r_c \geq 0,5 \times c - 10$  mm + concrete cover