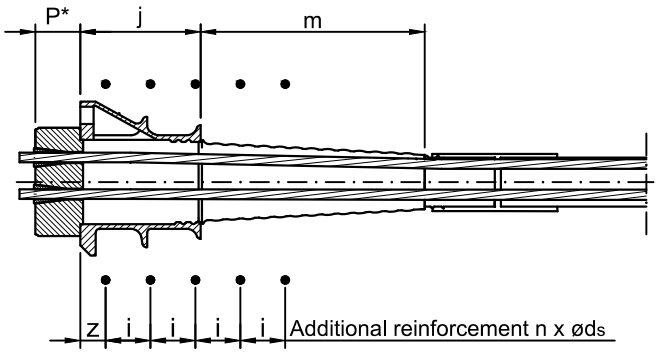
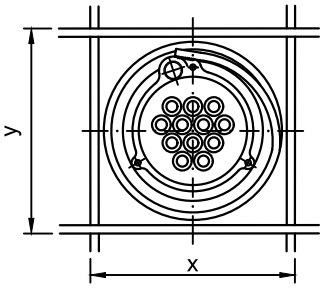
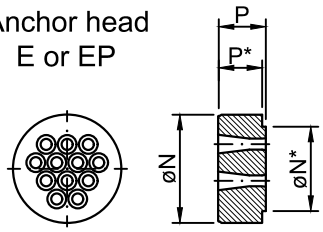
Anchorage with multi-plane anchor body MA with additional reinforcement and without helix, tendons 6-5 to 6-22, strand Y1770S7 15.7 and strand Y1860S7 15.7

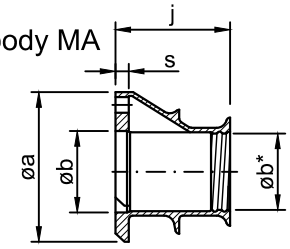




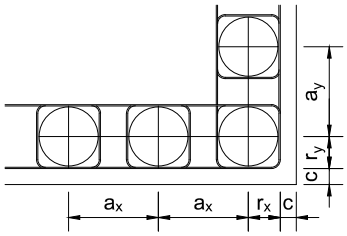
Anchor head
E or EP



Anchor body MA



Minimum distances



Schematic representation of reinforcement

Tendon		**6-5**	**6-7**	**6-9**	**6-12**	**6-15**	**6-19**	**6-22**
Number of strands		5	7	9	12	15	19	22
Strand arrangement								
Anchor head	øN	135	135	155	170	190	200	220
	øN*	88	96	112	128	148	159	176
thickness	P	60	60	65	75	85	95	100
depth	P*	56,5	56,5	61,5	71,5	81,5	91,5	96,5
Anchor body MA	øa	150	170	190	220	250	280	305
	øb	90	98	114	130	150	162	179
	øb*	80	90	100	120	130	145	161
height	j	90	100	125	180	200	220	220
thickness	s	18	18	15	17	19	23	26,5
Trumpet length	m	240	210	280	350	390	430	550
Minimum concrete compressive strength at time of stressing								
$f_{cm,0,cube}$	N/mm²	**39**	**39**	**39**	**39**	**39**	**39**	**39**
$f_{cm,0,cyl}$	N/mm²	**32**	**32**	**32**	**32**	**32**	**32**	**32**
Minimum centre distance	a_x, a_y	240	285	320	360	400	450	480
Minimum edge distance [1] (plus c) [2]	r_x, r_y	110	135	150	170	190	215	230
Additional reinforcement, ribbed reinforcing steel $R_e \geq 500$ N/mm²								
Minimum numbers of layers	n	5	5	6	8	8	8	9
Minimum bar diameter	øds	16	16	16	16	16	20	20
Maximum spacing	z	40	40	40	40	40	40	40
Maximum spacing	i	50	50	50	50	50	55	50
External dimensions [3]	x,y	220	260	285	315	360	390	410

[1] Minimum dimensions [2] c ... concrete cover
[3] The external dimensions x, y have to be met exactly

Dimensions in mm

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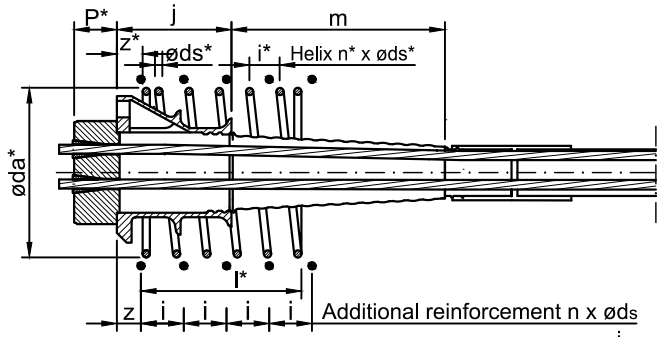
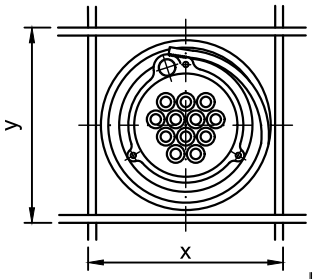
Bonded prestressing system
SUSPA Strand DW
Anchorage with multi-plane anchor body MA with additional reinforcement and without helix
Data sheet for tendons 6-5 bis 6-22

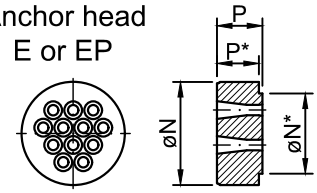
extended Annex 10
following European technical assessment
ETA-13/0839

Anchorage with multi-plane anchor body MA with additional reinforcement and with helix and with minimum centre distances 6-5 to 6-22, strand Y1770S7 15.7 and strand Y1860S7 15.7

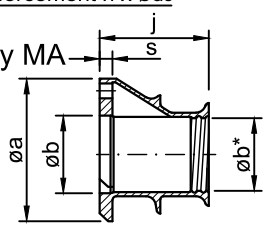




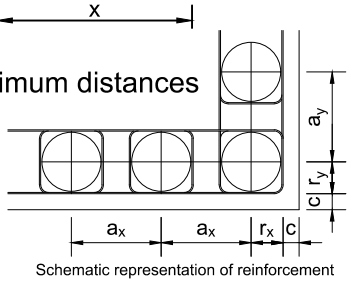
Anchor head
E or EP



Anchor body MA



Minimum distances



Schematic representation of reinforcement

Tendon		6-5	6-7	6-9	6-12	6-15	6-19	6-22
Number of strands		5	7	9	12	15	19	22
Strand arrangement								
Anchor head	øN	135	135	155	170	190	200	220
	øN*	88	96	112	128	148	159	176
thickness	P	60	60	65	75	85	95	100
depth	P*	56,5	56,5	61,5	71,5	81,5	91,5	96,5
Anchor body MA	øa	150	170	190	220	250	280	305
	øb	90	98	114	130	150	162	179
	øb*	80	90	100	120	130	145	161
height	j	90	100	125	180	200	220	220
thickness	s	18	18	15	17	19	23	26,5
Trumpet length	m	240	210	280	350	390	430	550
Minimum concrete compressive strength at time of stressing								
	$f_{cm,0,cube}$ N/mm²	**39**	**39**	**39**	**39**	**39**	**39**	**39**
	$f_{cm,0,cyl}$ N/mm²	**32**	**32**	**32**	**32**	**32**	**32**	**32**
Minimum centre distance	a_x, a_y	225	265	290	330	370	410	440
Minimum edge distance [1] (plus c) [2]	r_x, r_y	105	125	135	155	175	195	210
Helix								
Minimum number of turns	n*	5	5	6	7	8	8	8.5
Minimum wire diameter	øds*	12	14	14	14	14	16	16
Maximum spacing	z*	40	40	40	45	50	50	55
Minimum external diameter	øda*	180	200	220	255	310	345	370
Maximum pitch	max. i*	50	50	50	50	50	50	50
Minimum length	min. l*	235	240	290	340	390	395	420
Additional reinforcement, ribbed reinforcing steel $R_e \geq 500$ N/mm²								
Minimum numbers of layers	n	5	6	7	8	8	8	8
Minimum bar diameter	øds	12	12	14	14	16	16	16
Maximum spacing	z	40	40	40	45	50	50	55
Maximum spacing	i	45	50	55	50	60	65	55
External dimensions	x,y	205	245	270	310	350	390	420

[1] Minimum dimensions [2] c ... concrete cover

Dimensions in mm

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Bonded prestressing system

SUSPA Strand DW

Anchorage with multi-plane anchor body MA with additional reinforcement and with helix

Data sheet for tendons 6-5 bis 6-22

extended Annex 11

following European technical assessment

ETA-13/0839