



### STRESSING VALUES and STRESSING RECORD

DYWIDAG MULTISTRAND TENDON

Structure	Tendon type	Jack type	Date of partial stressing
Section	Cross section area of tendon $A_p$	Ram area stressing $A_k$	Date of full stressing
Structural element	Required min. partial stressing	Jack no.	Stressing engineer
Drawing No.	concr. strength at full stressing	Gauge no.	Owner's representative
Stressing values established on _____ by _____		Jack friction (at P) _____ %	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
Stressing sequence	Tendon designation	Stressing end	Tendon length	Steel elongation	Concrete shortening	Slip + steel elongation within jack	Elongation (5)+(6)+(7)	Additional concrete shortening	Steel elongation required (8)+(9)	Prestressing force				Gauge pressure incl. jack friction				Partial elongation required * (10)x(16-15) (15)	Strand protusion			Partial elongation actual (22)-(20) (23)x(16) (16)-(15)	Elongation		
										specified	required	partial	2 <sup>nd</sup> phase	at inter- mediate state	at prestr. force (12)	partial unloading	2 <sup>nd</sup> phase stressing		at pressure (15)	at pressure (16) required	at pressure (16) actual		actual (23)x(16) (16)-(15)	actual	deviation
i	No.		m	$\Delta l_z$ mm	$\Delta l_b$ mm	$\Delta l_s$ mm	$\Delta l_o$ mm	$\Delta l'_b$ mm	$\Delta l$ mm	$P_o$ kN	$P_1$ kN	$P_2$ kN	$P_3$ kN	$p_x$ bar	$p_1$ bar	$p_2$ bar	$p_3$ bar	$\Delta l_t$ mm	$l_x$ mm	$l_p$ mm	$l_{p'}$ mm	$\Delta l_t'$ mm	$\Delta l'$ mm	100x (24)-(10) (10) %	

Remarks:	▲ ▲ ▲ ▲ According to jack calibration report No.:	* in case of curved jack characteristics a proper mean inclination shall be determined and introduced into formula	Total In average
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