



Load Table DP 6 - 200

NO STRUCTURAL TOPPING

STRAND PATTERN	BEARING CAPACITY PER SLAB UNIT (1.20 M WIDTH)	SPAN (m)	4	5	6	7	8	9	10	11
4 no. 9.3 mm M _{crack} = 60 kNm/s.u.	M _{SLS} = 36 kNm/s.u.	q _{SLS}	11.3	6.1	3.5	1.8	0.7			
	M _{ULS} = 51 kNm/s.u.	q _{ULS}	17.3	9.7	5.5	3.0	1.4			
	V _{UD} = 70 kN/s.u.	c	-2	-2	-2	+1	+3			
4 no. 12.5 mm M _{crack} = 78 kNm/s.u.	M _{SLS} = 64 kNm/s.u.	q _{SLS}	17.2	13.2	8.3	5.3	3.5	2.1		
	M _{ULS} = 90 kNm/s.u.	q _{ULS}	26.1	20.1	12.8	8.3	5.5	3.5		
	V _{UD} = 72 kN/s.u.	c	-6	-7	-8	-8	-7	-3		
5 no. 12.5 mm M _{crack} = 87 kNm/s.u.	M _{SLS} = 78 kNm/s.u.	q _{SLS}	18.0	13.9	10.8	7.2	4.9	3.3		
	M _{ULS} = 110 kNm/s.u.	q _{ULS}	27.3	21.1	16.5	11.1	7.6	5.2		
	V _{UD} = 75 kN/s.u.	c	-6	-8	-11	-13	-13	-7		
6 no. 12.5 mm M _{crack} = 99 kNm/s.u.	M _{SLS} = 92 kNm/s.u.	q _{SLS}		14.5	11.6	9.0	6.2	4.3	3.0	
	M _{ULS} = 130 kNm/s.u.	q _{ULS}		22.1	17.8	13.8	9.6	6.8	4.8	
	V _{UD} = 78 kN/s.u.	c		-10	-14	-15	-16	-13	-7	
7 no. 12.5 mm M _{crack} = 103 kNm/s.u.	M _{SLS} = 103 kNm/s.u.	q _{SLS}		15.0	12.0	9.9	7.5	5.3	3.8	2.6
	M _{ULS} = 148 kNm/s.u.	q _{ULS}		22.8	18.4	15.2	11.5	8.3	6.0	4.2
	V _{UD} = 80 kN/s.u.	c		-13	-17	-20	-21	-20	-15	-6
Slab Selfweight = 2.60kN/m ² Joint Filling = 0.16kN/m ² Total Selfweight = 2.76kN/m ²	M _{SLS} = Slab Moment Capacity (Service limit Stage) M _{ULS} = Slab Moment Capacity (Ultimate limit Stage) V _{UD} = Slab Shear Capacity (Ultimate limit Stage)	q _{SLS} = Maximum allowed imposed dead and live load,unfactored (excluding selfweight of slab) q _{ULS} = Maximum allowed imposed dead and live load ,factored (excluding selfweight of slab) C = Theoretical camber at time of installation (+ indicate deflection)								

Load Table DP 6 - 200 + 75

75mm STRUCTURAL TOPPING

STRAND PATTERN	BEARING CAPACITY PER SLAB UNIT (1.20 M WIDTH)	SPAN (m)	4	5	6	7	8	9	10	11
6 no. 12.5 mm M _{crack} = 143 kNm/s.u.	M _{SLS} = 133 kNm/s.u.	q _{SLS}		16.2	12.8	10.3	8.3	5.6	3.7	
	M _{ULS} = 187 kNm/s.u.	q _{ULS}		24.8	19.6	15.9	13.0	8.9	6.0	
	V _{UD} = 94 kN/s.u.	c _t		-10	-13	-13	-11	-5	+6	
7 no. 12.5 mm M _{crack} = 156 kNm/s.u.	M _{SLS} = 153 kNm/s.u.	q _{SLS}		16.7	13.1	10.5	8.7	7.1	4.9	3.2
	M _{ULS} = 215 kNm/s.u.	q _{ULS}		25.5	20.1	16.3	13.5	11.2	7.8	5.3
	V _{UD} = 96 kN/s.u.	c _t		-13	-16	-18	-17	-12	-5	+14
Slab Selfweight = 2.60kN/m ² Joint Filling = 0.16kN/m ² 75mm Toppings = 1.87kN/m ² Total Selfweight = 4.63kN/m ²	M _{SLS} = Slab Moment Capacity (Service limit Stage) M _{ULS} = Slab Moment Capacity (Ultimate limit Stage) V _{UD} = Slab Shear Capacity (Ultimate limit Stage)	q _{SLS} = Maximum allowed imposed dead and live load,unfactored (excluding selfweight of slab + topping) q _{ULS} = Maximum allowed imposed dead and live load ,factored (excluding selfweight of slab+ topping) C _t = Theoretical camber just after casting the topping (+ indicate deflection)								