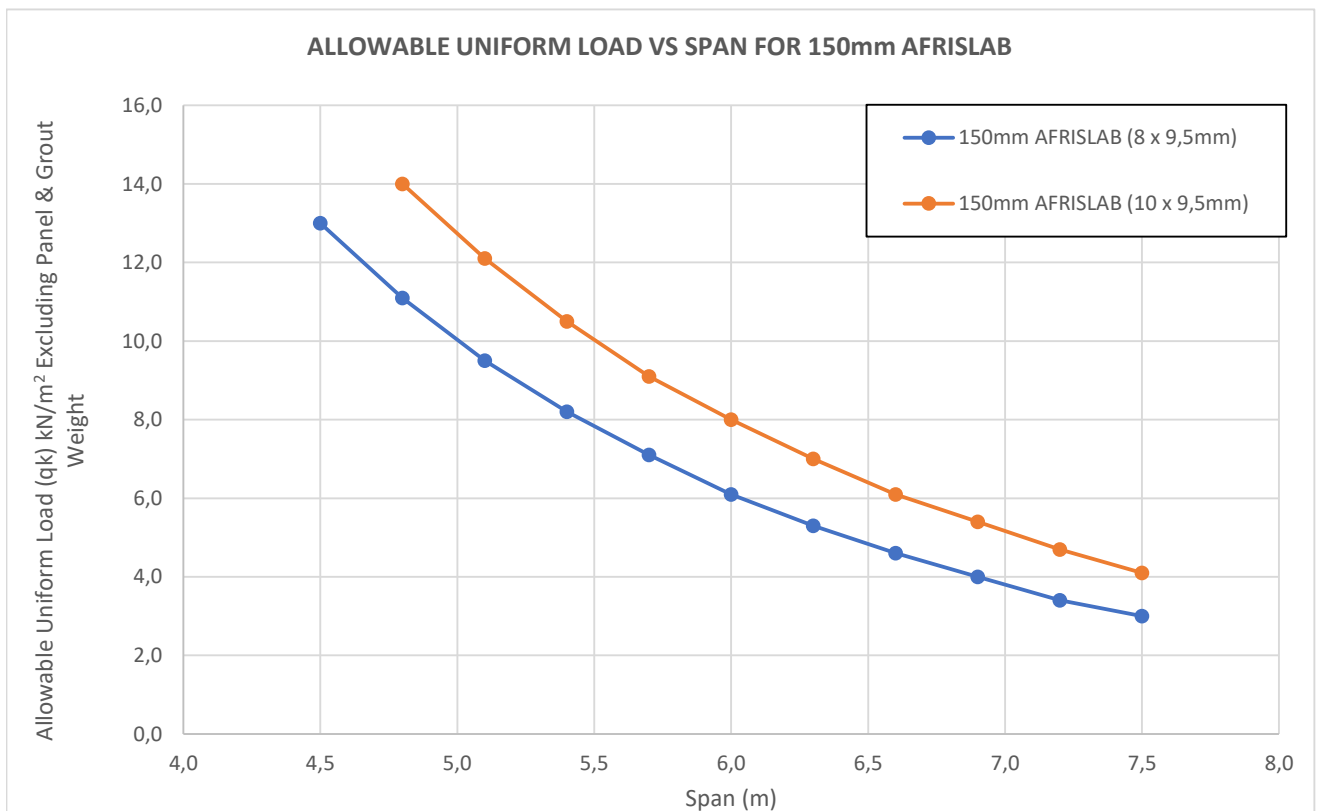


**150mm AFRISLAB (HOLLOW CORE SLAB)
TECHNICAL SPECIFICATIONS AND ALLOWABLE LOADS**

SLAB TYPE		150mm AFRISLAB	
Prestressed Tendons		8 x 9,5mm	10 x 9,5mm
Tension Control Stress		$0,65f_{ptk}$	$0,65f_{ptk}$
Concrete Strength Grade		C50	C50
$[M_{cr}]$ kN.m		53,4	62,6
Allowable Bending Moment kN.m	$[M_u]$	58,5	71,1
	$[M_k]$	49,9	59,0
	$[M_q]$	39,6	48,8
Allowable Shear Force V_u (kN)		68,1	
SPAN (m)		ALLOWABLE UNIFORM LOAD (qk) kN/m ² EXCLUDING PANEL & GROUT WEIGHT	
4,5		13,0	
4,8		11,1	14,0
5,1		9,5	12,1
5,4		8,2	10,5
5,7		7,1	9,1
6,0		6,1	8,0
6,3		5,3	7,0
6,6		4,6	6,1
6,9		4,0	5,4
7,2		3,4	4,7
7,5		3,0	4,1

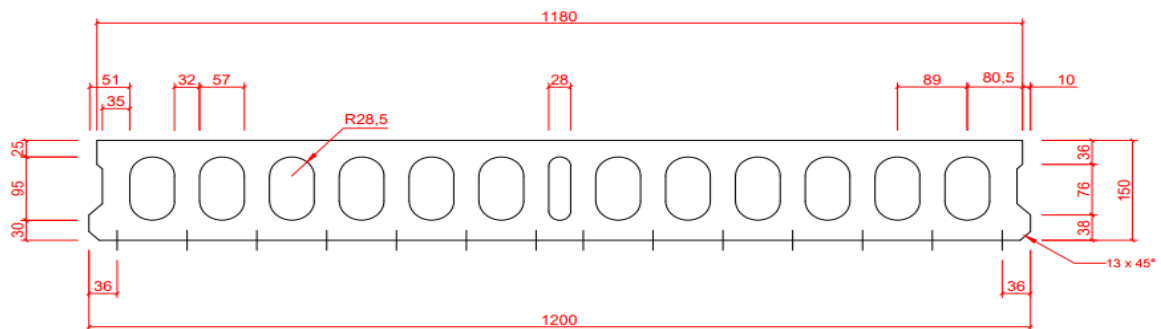


SECTIONAL CHARACTERISTICS AND MATERIAL QUANTITY TABLE

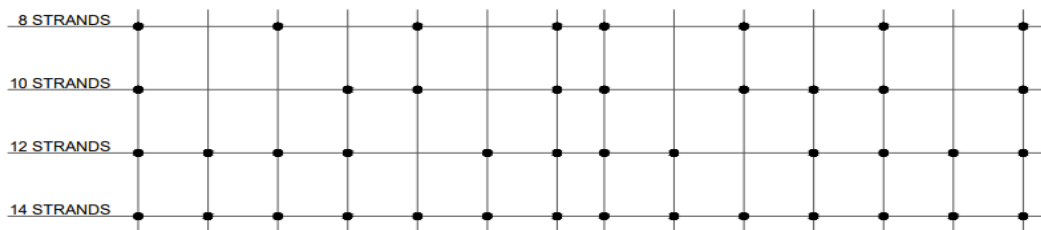
SLAB TYPE	CONCRETE COVER / PROTECTIVE LAYER	SLAB RIB WIDTH	SECTIONAL AREA	CENTRE OF GRAVITY BOTTOM EDGE DISTANCE	MOMENT OF INERTIA	SLAB SELF WEIGHT	GROUTING WEIGHT
	C (mm)	b1 (mm)	A (mm ²)	y (mm)	I (mm ⁴)	(kN/m ²)	(kN/m ²)
150mm Afrislab	25	454	118 000	74	3,08x10 ⁸	2,5	0,06

NOTE:

1. Fire rating 1 hour - Higher ratings can be achieved.
2. The allowable shear force V_U in the table refers to the design value of the shear bearing capacity of the section under the action of the uniform load.



150mm AFRISLAB CROSS SECTION



150mm AFRISLAB STRAND LAYOUT