

HOLLOWCORE LOAD SPAN TABLES

150	150mm Deep Slab with 10 No. 9.3mm Diameter Strands													
	Clear Span (m)	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
Maximum Load Capacity (kN/m ²)														
Without Structural Screed	71.0	47.5	33.0	23.8	17.9	13.8	10.8	8.6	6.9	5.6	4.5	3.6	2.9	
With 75mm Structural Screed	125.0	91.6	62.5	44.0	30.0	24.0	18.7	13.6	10.3	7.6	5.5	3.8	2.4	

Note: Self-weight of unit = 2.4kN/m² (already deducted from table)
Structural screed = 1.8kN/m² (already deducted from table)

200	200mm Deep Slab with 6 No. 9.3mm and 2 No. 12.5mm Diameter Strands													
	Clear Span (m)	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0
Maximum Load Capacity (kN/m ²)														
Without Structural Screed		35.4	26.5	20.4	16.5	13.2	10.8	8.8	7.3	6.0	5.0	4.2	3.4	
With 75mm Structural Screed		50.0	37.5	29.0	22.9	18.4	14.9	12.1	9.7	7.4	5.7	4.2	3.0	

Note: Self-weight of unit = 2.4kN/m² (already deducted from table)
Structural screed = 1.8kN/m² (already deducted from table)

250	250mm Deep Slab with 8 No. 12.5mm Diameter Strands													
	Clear Span (m)	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0
Maximum Load Capacity (kN/m ²)														
Without Structural Screed	26.6	25.0	20.8	16.6	14.1	11.6	10.0	8.3	7.5	6.3	5.4	4.8		
With 75mm Structural Screed	25.8	23.3	20.8	19.1	17.0	15.4	13.3	11.1	9.1	7.5	6.0	4.5	3.6	

Note: Self-weight of unit = 3.6kN/m² (already deducted from table)
Structural screed = 1.8kN/m² (already deducted from table)

300	300mm Deep Slab with 8 No. 12.5mm Diameter Strands													
	Clear Span (m)	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0
Maximum Load Capacity (kN/m ²)														
Without Structural Screed	26.6	22.5	19.0	15.8	13.8	11.6	10.0	8.8	7.5	6.6	5.8	5.0	4.1	
With 75mm Structural Screed						14.1	12.9	10.4	8.5	7.5	5.8	4.6	3.7	

Note: Self-weight of unit = 4.1kN/m² (already deducted from table)
Structural screed = 1.8kN/m² (already deducted from table)

400	400mm Deep Slab with 12 No. 12.5mm Diameter Strands on Bottom, 2 No. 9.3mm Diameter Strands on Top													
	Clear Span (m)	10.0	10.5	11.0	1.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0
Maximum Load Capacity (kN/m ²)														
Without Structural Screed	16.0	14.4	12.8	11.4	10.2	9.0	8.0	7.2	6.5	5.7	5.2	4.6	4.0	
With 75mm Structural Screed	16.0	15.0	13.5	12.3	11.3	10.2	9.2	8.1	7.0	6.2	5.3	4.5	3.7	

Note: Self-weight of unit = 4.68kN/m² (already deducted from table)
Structural screed = 1.8kN/m² (already deducted from table)

500	500mm Slab with 14 No. 12.5mm Diameter Strands on Bottom, 4 No. 9.3mm Diameter Strands on Top													
	Clear Span (m)	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13	13.5	14
Maximum Load Capacity (kN/m ²)														
Without Structural Screed	30.0	27.0	24.5	22.0	20.0	18.5	17.0	15.5	14.0	13.0	12.0	11.0	10.0	
With 75mm Structural Screed	32.5	30.0	28.0	26.0	25.0	23.0	21.5	19.5	18.0	16.5	15.0	14	12.0	

500	500mm Slab with 14 No. 12.5mm Diameter Strands on Bottom, 4 No. 9.3mm Diameter Strands on Top													
	Clear Span	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0					
Maximum Load Capacity (kN/m ²)														
Without Structural Screed	9.0	8.0	7.0	6.5	5.5	5.0	4.5	4.0						
With 75mm Structural Screed	11.0	9.5	8.5	7.0	6.0	5.5	4.0	2.5						

Note: Self-weight of unit = 5.38kN/m² (already deducted from table)
Structural screed = 1.8kN/m² (already deducted from table)
Based on 150mm Bearing