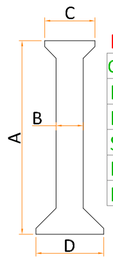
150mm Standard

Typical Strand Pattern ; 8 no; 9.3mm Strands
Optional Strand Pattern ; Various
Weight of Unit = 2.25kn/m2 or 2.70kn/lm
Additional Weight / Lifter = 15kg/Lifter
Lifters Used = 2.5 tonne
Approx Load On Standard Artic = 110m2
Concrete/Bed = 17m3
Cross Sectional Area = 0.174619m2
Area of Core = 0.007395m2
Area of Shear Key / Slab = 0.004575m2
Weight of 9.3mm Strand/m = 0.42kg/lm
Weight of 12.5mm Strand/m = 0.74kg/lm
Weight of Solid End = 0.15kg x Length of Solid End

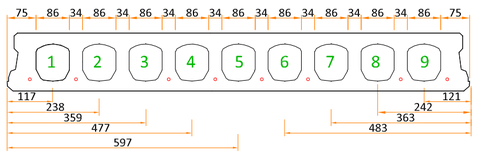
Split Limits ~ 150mm Standard HC	
Core No 1.	
Core No 2.	
Core No 3.	330mm ~ 385mm
Core No 4.	450mm ~ 505mm
Core No 5.	570mm ~ 625mm
Core No 6.	690mm ~ 745mm
Core No 7.	810mm ~ 865mm
Core No 8.	930mm ~ 985mm
Core No 9.	1050mm ~ 1105mm



Lifter Details

Capstan Transport Anchor	
Load Group.	= 2.5T
Length A	= 85mm
Shank Dia, B	= 14mm
Head Dia, C	= 26mm
Foot Dia, D	= 35mm

Typical Lifter Locations Approx, 1m from end of Unit



Core Locations & dimensions

Strand Locations

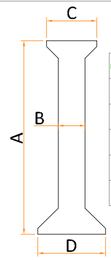
150mm Standard	Load Span Table based on typical strand pattern of 8 no 9.3mm strands										
Span (m)	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
Without Screed	28.5	23.0	17.0	12.5	9.5	7.0	5.5	4.0	3.0	2.0	1.5
With 50mm Struc, Screed	35.5	29.5	24.0	18.0	14.0	11.0	8.5	6.5	5.5	4.0	3.0
With 75mm Struc, Screed	40.0	33.0	27.5	21.0	16.0	12.5	10.0	8.0	6.0	5.0	3.5

Note ; Self weight of unit = 2.25kn/m2 (already deducted from table). All Loads are Max imposed in kn/m2

150mm Dense

Typical Strand Pattern ; 8 no; 9.3mm Strands
Optional Strand Pattern ; Various
Weight of Unit = 3.0kn/m2 or 3.6kn/lm
Additional Weight / Lifter = 15kg/Lifter
Lifters Used = 2.5 tonne
Approx Load On Standard Artic = 85m2
Cross Sectional Area = 0.174619m2
Concrete/Bed = 22m3
Area of Large Core = 0.004572m2
Area of Small Core = 0.002827m2
Area of Shear Key / Slab = 0.004575m2
Weight of 9.3mm Strand/m = 0.42kg/lm
Weight of 12.5mm Strand/m = 0.74kg/lm
Weight of Solid End = 0.093kg x Length of Solid End

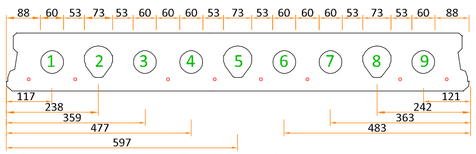
Split Limits ~ 150mm Heavy HC	
Core No 1.	
Core No 2.	
Core No 3.	330mm ~ 385mm
Core No 4.	450mm ~ 505mm
Core No 5.	570mm ~ 625mm
Core No 6.	690mm ~ 745mm
Core No 7.	810mm ~ 865mm
Core No 8.	930mm ~ 985mm
Core No 9.	1050mm ~ 1105mm



Lifter Details

Capstan Transport Anchor	
Load Group.	= 2.5T
Length A	= 85mm
Shank Dia, B	= 14mm
Head Dia, C	= 26mm
Foot Dia, D	= 35mm

Typical Lifter Locations Approx, 1m from end of Unit



Core Locations & dimensions

Strand Locations

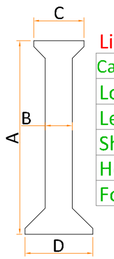
150mm Dense	Load Span Table based on typical strand pattern of 8 no 9.3mm strands										
Span (m)	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
Without Screed	31.5	22.0	16.0	12.0	9.0	7.0	5.5	4.0	3.0	2.0	1.5
With 50mm Struc, Screed	38.5	31.5	23.0	17.5	13.0	10.0	8.0	6.0	4.5	3.5	2.5
With 75mm Struc, Screed	45.5	37.0	27.0	20.5	15.5	12.0	9.5	7.5	5.5	4.5	1.5

Note ; Self weight of unit = 3.00kn/m2 (already deducted from table). All Loads are Max imposed in kn/m2

200mm Standard

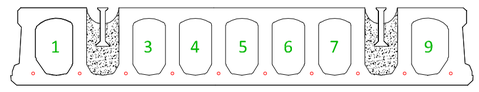
Typical Strand Pattern ; 8 no; 9.3mm Strands
Optional Strand Pattern ; Various
Weight of Unit = 2.63kn/m2 or 3.15kn/lm
Additional Weight / Lifter = 25kg/Lifter
Lifters Used = 2.5 tonne
Approx Load On Standard Artic = 95m2
Concrete/Bed = 18m3
Cross Sectional Area = 0.231944m2
Area of Core = 0.0115m2
Area of Shear Key / Slab = 0.00705m2
Weight of 9.3mm Strand/m = 0.42kg/lm
Weight of 12.5mm Strand/m = 0.74kg/lm
Weight of Solid End = 0.27kg x Length of Solid End

Split Limits ~ 200mm Standard HC	
Core No 1.	
Core No 2.	
Core No 3.	330mm ~ 385mm
Core No 4.	450mm ~ 505mm
Core No 5.	570mm ~ 625mm
Core No 6.	690mm ~ 745mm
Core No 7.	810mm ~ 865mm
Core No 8.	930mm ~ 985mm
Core No 9.	1050mm ~ 1105mm

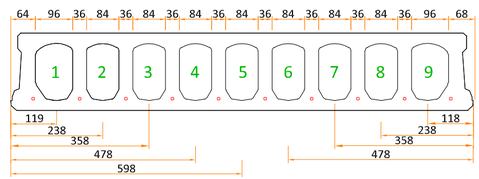


Lifter Details

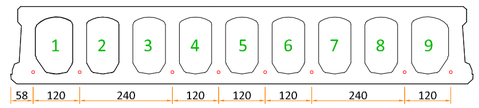
Capstan Transport Anchor	
Load Group.	= 2.5T
Length A	= 120mm
Shank Dia, B	= 14mm
Head Dia, C	= 26mm
Foot Dia, D	= 35mm



Typical Lifter Locations Approx, 1m from end of Unit



Core Locations & dimensions



Strand Locations

200mm Standard	Load Span Table based on typical strand pattern of 8 no 9.3mm strands										
Span (m)	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0
Without Screed	26.0	19.5	15.5	12.0	10.0	8.0	6.5	5.0	4.5	3.5	2.5
With 50mm Struc, Screed	32.5	25.0	19.5	15.5	12.0	10.0	8.0	6.5	5.0	4.0	3.5
With 75mm Struc, Screed	34.5	28.0	22.0	17.0	13.5	11.0	9.0	7.0	6.0	4.5	3.5

Note ; Self weight of unit = 2.63kn/m2 (already deducted from table). All Loads are Max imposed in kn/m2