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Section Properties

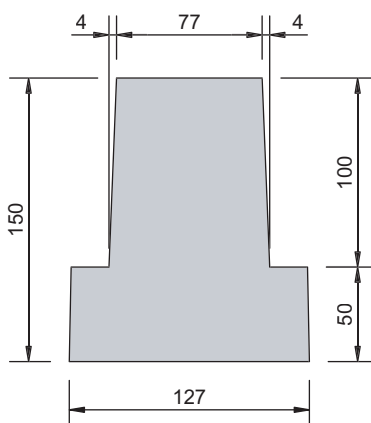
Area	14,275 mm ²
Nab	66.696 mm
Inertia	27,343,738 mm ⁴
Zt	328,240 mm ³
Zb	409,977 mm ³

Material Properties

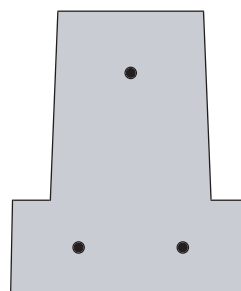
Fcu	53 N/mm ²
Fci	30 N/mm ²
Fct	3.5 N/mm ²
Et	29.5 kN/mm ²
Ew	36 kN/mm ²
Es	200 kN/mm ²

Wire 5mm & 7mm stabilised to B.S. 5896. 1980.
Cement to B.S. 12. Half hour fire resistance.

Dimensioned Section

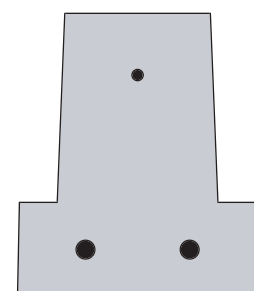


Type T15/3 (3No 5mm Wires)



Ms =	4.24 kNm
Mu =	6.67 kNm
Vco =	18.77 kN

Type T15/5 (1No 5mm + 2No 7mm Wires)



Ms =	5.94 kNm
Mu =	9.53 kNm
Vco =	19.41 kN

		Self Weight kN/m ² (Joist, Blocks & Grout)		
Block Type	Block Density	Single Beam	Double Beams	Triple Beams
Light	650 kg/m ³	S525....1.15	D652....1.63	T779....1.93
		S412....1.33	D539....1.84	T666....2.15
		S300....1.60	D427....2.16	T554....2.46
Medium	1450 kg/m ³	S525....1.84	D652....2.15	T779....2.36
		S412....1.95	D539....2.31	T666....2.52
		S300....2.15	D427....2.54	T554....2.75
Dense	1900 kg/m ³	S525....2.15	D652....2.46	T779....2.63
		S412....2.31	D539....2.58	T666....2.75
		S300....2.48	D427....2.77	T554....2.94