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Section Properties

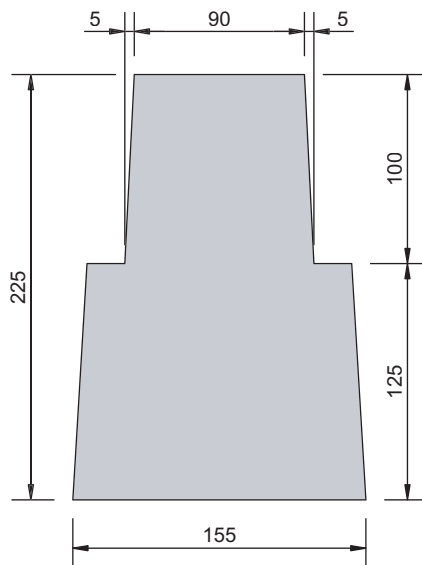
Area	27,938 mm ²
Nab	99.758 mm
Inertia	111,502,265 mm ⁴
Zt	890,292 mm ³
Zb	1,117,732 mm ³

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

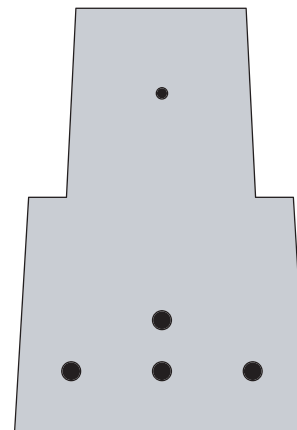
Wire 5mm & 7mm stabilised to B.S. 5896. 1980.
Cement to B.S. 12. One hour fire resistance.

Dimensioned Section



Type D225/5

(1No 5mm + 4No 7mm Wires)



Ms = 15.10 kNm
Mu = 26.11 kNm
Vco = 34.04 kN

		Self Weight kN/m ² (Joist, Blocks & Grout)		
Block Type	Block Density	Single Beam	Double Beams	Triple Beams
Light	650 kg/m ³	S540....1.75	D695....2.54	T850....3.04
		S428....2.04	D583....2.90	T738....3.40
		S315....2.55	D470....3.45	T625....3.90
Medium	1450 kg/m ³	S540....2.38	D695....2.98	T850....3.36
		S428....2.63	D583....3.29	T738....3.66
		S315....3.06	D470....3.72	T625....4.06
Dense	1900 kg/m ³	S540....2.75	D695....3.31	T850....3.67
		S428....2.98	D583....3.59	T738....3.94
		S315....3.38	D470....4.01	T625....4.32