

STRUCTURAL BEAMS

Lintel, Winlin, Slimlin & Kwiklin

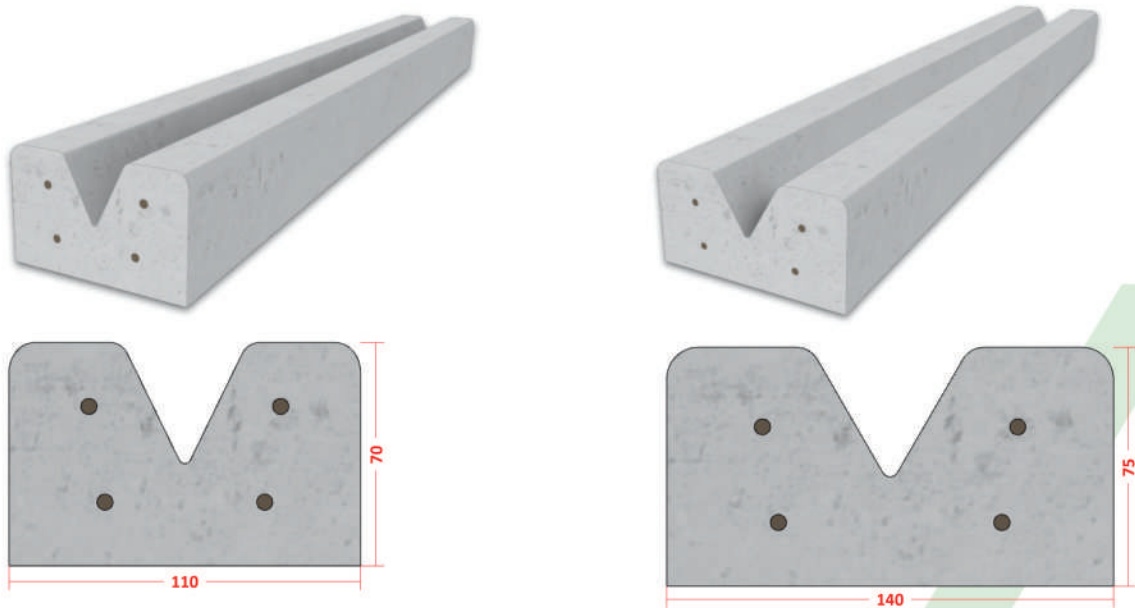
Brochure



EASTERN CAPE SUPPLIERS
OF TOP QUALITY PRECAST
CONCRETE PRODUCTS

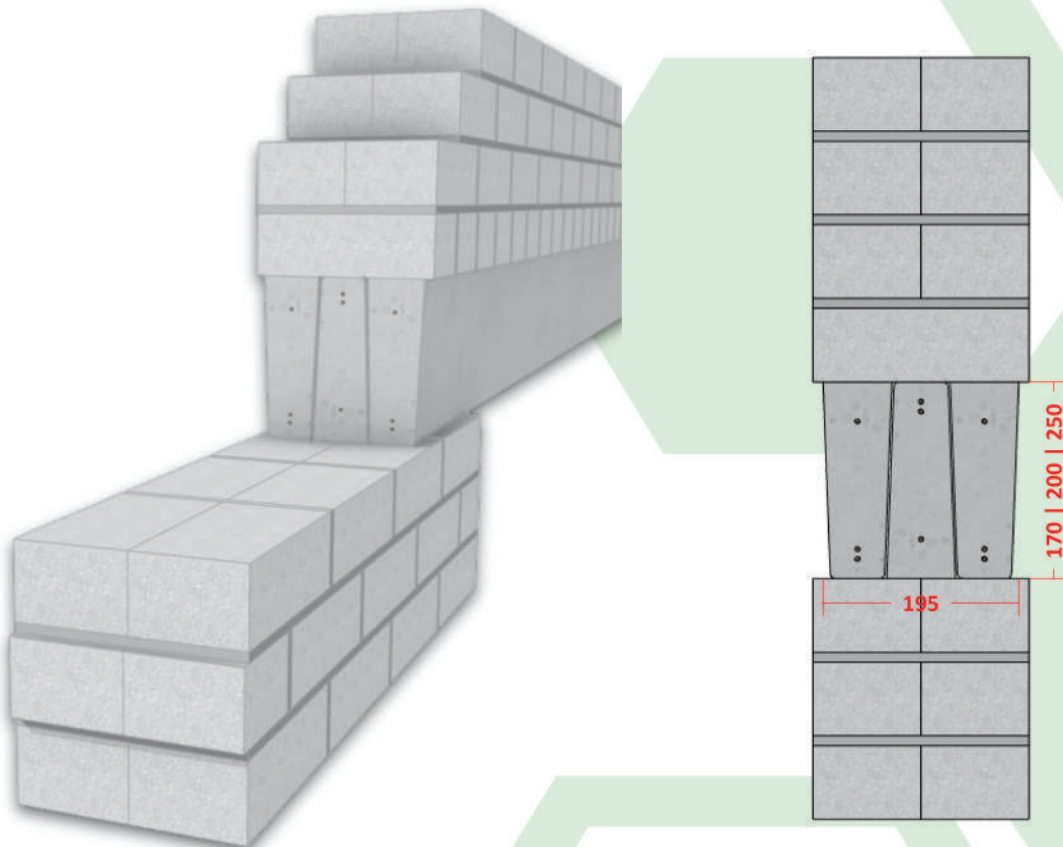
LINTEL

Our lintel is designed for cost-effective strength and durability, making it an ideal solution for spanning openings up to 3.6 meters. Engineered for structural integrity, this high-quality lintel provides reliable load-bearing support, ensuring stability and longevity in construction. Used for residential projects, its precision design guarantees a secure and efficient installation.



WINLIN

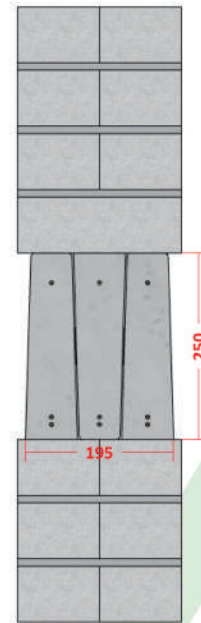
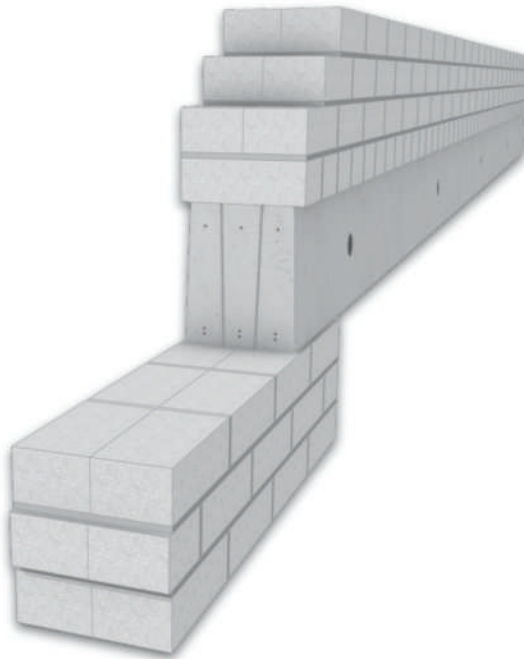
Where non-sagging extra load carrying capacity is required. For spanning large window and sliding door apertures. Winlin hitec lintel beams is a three-beam combination system supplied in 3 variations. Winlin 170, Winlin 200 and Winlin 250.



Important Note: To ensure an accurate and efficient quote, please provide all essential details when making a request. Kindly include your name, contact number, email address, and a plan of the area. This helps us assist you promptly and provide the best possible service.

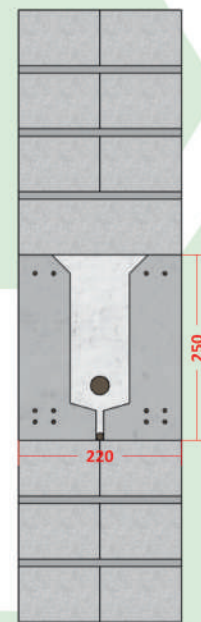
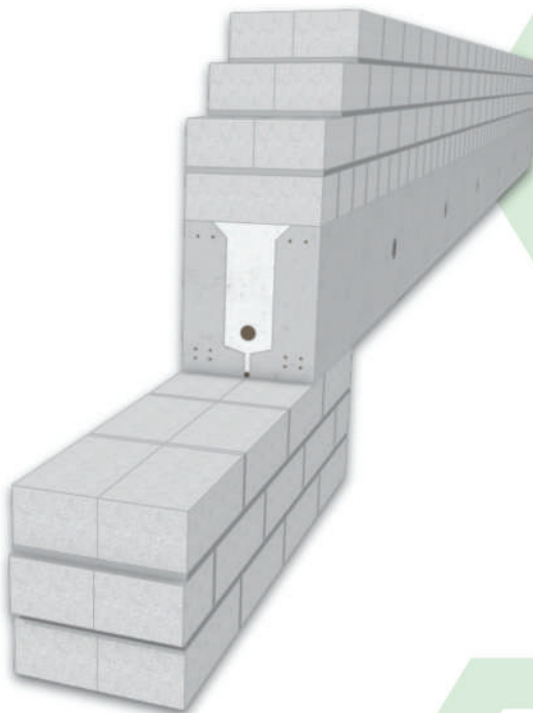
SLIMLIN

Specifically designed for spanning double garage door apertures. Laminated lintel carries double garage parapet wall. Comprises of three tapered beams supplied up to 5400mm long and 250mm deep, secured together with galvanised steel bushes.



KWIKLIN

Designed to create a bearer beam for heavy duty applications. Laminated bearer beam assembly, the Kwiklin comprises of two "L" shaped beams which are laminated together with steel bushes to create a single "U" shaped beam, with a minimum width of 210mm. The Kwiklin creates a cavity which can be infilled with extra steel and concrete to increase the load bearing capacity of the beam assembly. The standard Kwiklin is supplied in lengths up to 9000mm.



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DATA FOR SEVEN OF OUR LONG SPAN BEAMS PRODUCED IN 50 MPA PRECAST PRESTRESSED CONCRETE

LAMINATED BEAMS							SHUTTER BEAMS		
DIMENSIONS:									
Beams	Lintel	Winlin 170	Winlin 200	Winlin 250	Slimlin	Kwiklin Standard	Kwiklin M6		
Number of Beams Per Set	3	3	3	3	3	2	2		
Height in mm	85mm (1 Brick Course)	170mm (2 Brick Courses)	200mm (1 Block Course)	250mm (3 Brick Courses)	250mm (3 Brick Courses)	250mm (3 Brick Courses)	195mm (1 Block Course)		
Width mm	140	190	190	190	190	200	140		
Maximum Span Unsupported	3.6 meter	4 meters	5 meters	6 meters	4.8 meters	Up to 7.5 meters, with reinforcement installed	Up to 5 meters, with reinforcement installed		
ENGINEERING DATA:							Class 3 Structures		
Sagging Moment kNm		17.5	22	29	34	43	50	17	20
Hogging Cantilever kNm		14.5	18	26	18	28	36	4	22
Shear Force kN (Uncracked)		61	74	97	97	45	56	22	120
Shear Force kN (Cracked at 1/3 Span)		11.44 + 2.25vm	17.37 + 2.97vm	19 + 4vm	21 + 6vm	18vm	29vm	12.4 + 4.35vm	14 + 5vm
Mass Per Meter of Beam		26	31	36	39	45	45	27	
Mass Per Beam Set Per Meter		78	93	108	117	90	90	54	
Standard Cast Length		8.7 meters	5.0 and 7.4 meters	6.25 or 8.1 meters	5.54 meters	5.775 or 6.45 or 9.0 meters	6.0 meters		
Used When Building With		Brickwork	Blockwork	Brickwork	Brickwork	Brickwork	Blockwork	Blockwork	
For:		Sliding Door and Large Window Openings			Garage Door Openings	Over large sliding & Stack door openings and to act as bearers over openings to carry walls cantilever beams and floor slabs and roof joist support			
						Sliding Doors, Double Garage Door Openings, Ring Beams and for slab support			

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CAST TO LAST

Cost effective precast, structural beams. Suitable for residential and commercial builds.

This cost-effective, long lasting solution will save costs for your building needs.



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A SUPERIOR PRODUCT

Leading manufacturers of top-class concrete products. TFSD is a long established manufacturer of precast concrete products. We supply innovative concrete products that provide for cost effective, everlasting, fast track construction systems, by and for the Eastern Cape built environment. We commit to always being on time, backed up by our on-site technical service and years of practical experience.