

LDU Series - PA Pins

Date	10/12/13
Reference	TDS01133

PIN SPECIFICATIONS:

Material:	AISI 1060 – 1065 carbon steel.
Hardness:	Austempered to a core hardness of 52 – 55 HRc
Typical Tensile Strength:	1950 MPa
Typical Shear Strength:	1200 MPa
Standard Finishes:	Mechanical Zinc plate to a minimum of 6 µm. (meets requirements of ASTM B695)



PERFORMANCE TABLES:

Working Load Limit (WLL)

Installed in Concrete			
Minimum Embedment (mm)	Concrete Cylinder Strength	Working Load Limit (WLL)	
		Tension (kN)	Shear (kN)
25	25 MPa	0.4	0.5
	50 MPa	1.3	1.2

Working Load Limit (WLL)

Installed in Steel			
Minimum Steel Thickness (mm)	Grade of Steel		
	Gr 300		
	Tension (kN)	Shear (kN)	
5	1.5	1.5	

Please Note:

- Note 1: All Values published are allowable working loads
- Note 2: All visible failures must be replaced
- Note 3: As concrete composition may vary, jobsite testing is recommended to determine actual jobsite values
- Note 4: Loads are per fixing provided a minimum of 5 fixings per fastening unit are used
- Note 5: Fasteners must be a minimum of 75 mm concrete edge distance and minimum spacing between fixings to be 50mm