

Aluminium Substructure Specification



Item Code	PED-LPA	PED-LPA-FR	PED-LPE	PED-LPE-FR	PED-PA	PED-PA-FR
Item Description	Small Cradle (Std)	Small Cradle (Fire Resistant)	Extended Cradle (Std)	Extended Cradle (Fire Resistant)	Small Pedestal (Std)	Small Pedestal (Fire Resistant)
Weight Per Unit	220g	220g	370g	370g	555g	555g
Material	PA6-GF30 Non Fire Resistant - Black 30% Glass Filled Nylon	PA6-GF30 with Fire Resistant - Grey 30% Glass Filled Nylon	PA6-GF30 Non Fire Resistant - Black 30% Glass Filled Nylon	PA6-GF30 with Fire Resistant - Grey 30% Glass Filled Nylon	PA6-GF30 Non Fire Resistant - Black 30% Glass Filled Nylon	PA6-GF30 with Fire Resistant - Grey 30% Glass Filled Nylon
Adjustable Height Range	18-42mm	18-42mm	61-87mm	61-87mm	85-185mm	85-185mm

Decking Screw Spec: (fixing the Hollow fixing clips)
Joist Screw Spec: (Connecting plates)

M4 x 16mm CSK Head Stainless Steel Self Drilling Screws

M4 x 16mm CSK Head Stainless Steel Self Drilling Screws



Support Height Range Options

	Without Joist	25mm including Joist and Decking Board	50mm including Joist and Decking Board
Small Cradles	18-42mm	66-90mm	91-115mm
Extended Cradles	62-87mm	110-135mm	135-160mm
Small Pedestal	85-185mm	133-233mm	158-258mm

Fixings and Accessories



305 Stainless Steel Screws for Solid Decking	Hollow Fixing Clips	Angled Joist Connector 25mm & 50mm	Adjustable Angled Connector 25mm & 50mm	Flat Connector 25mm & 50mm	M4 x 16mm CSK Head Stainless Steel Self Drilling Screws - Connecting plates and Decking Clips for hollow boards
Joist Size		3600mm		3600mm	
Joist Width		50mm		50mm	
Joist Depth		25mm		50mm	
Aluminium Finish		Powder Coated		Powder Coated	
Joist Weight		5.9kg		5.15kg	
Temper		T6		T6	
Material		Aluminium Alloy		Aluminium Alloy	
Use		Domestic and Commercial		Domestic and Commercial	



Fire Resistant Cradles / Pedestals - CRADLES / PEDESTALS

Allowable Load (uniformly Distributed) KN/m ²	600 Centres	800 Centres	1000 Centres	1200 Centres
Small/Medium 25mm Beam	11.72	4.98	2.63	1.47
Small/Medium 50mm Beam	15.74	8.02	5.08	2.60
Large 25mm Beam	11.11	4.98	2.63	1.47
Large 50mm Beam	11.11	6.25	4.00	2.60

Allowable Load (Concentrated) KN/m ²	600 Centres	800 Centres	1000 Centres	1200 Centres
Small/Medium 25mm Beam	4.22	3.19	2.63	2.12
Small/Medium 50mm Beam	5.67	5.13	5.08	3.74
Large 25mm Beam	4.00	3.19	2.63	2.12
Large 50mm Beam	4.00	4.00	4.00	3.74

RE CYCLED MATERIAL (Non Fire Resistant) - CRADLES / PEDESTALS

Allowable Load (Uniformly Distributed) KN/m ²	600 Centres	800 Centres	1000 Centres	1200 Centres
Small/Medium 25mm Beam	11.72	4.98	2.63	1.47
Small/Medium 50mm Beam	12.96	7.29	4.67	2.60
Large 25mm Beam	9.26	4.98	2.63	1.47
Large 50mm Beam	9.26	5.21	3.33	2.31

Allowable Load (Concentrated) KN/m ²	600 Centres	800 Centres	1000 Centres	1200 Centres
Small/Medium 25mm Beam	4.22	3.19	2.63	2.12
Small/Medium 50mm Beam	4.67	4.67	4.67	3.74
Large 25mm Beam	3.33	3.19	2.63	2.12
Large 50mm Beam	3.33	3.33	3.33	3.33

