



ENGINEERED
FOR THE
OUTDOORS

SUBFRAME SYSTEM SPECIFICATION



RECYCLED MATERIALS
100% QUALITY INSPECTED

SPLINTER FREE
LOW MAINTENANCE

BRITISH DESIGN
FIRE-RESISTANT OPTIONS

ANTI-SLIP

SUBFRAME • DECKING • FENCING
GATES • BALUSTRADE • FIRE RATED OPTIONS

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SUBFRAME SYSTEM

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 (High Strength Fire Resistant Commercial)	Extended Cradle (Std)	Extended Cradle (High Strength Fire Resistant Commercial)	Small Pedestal (Std)	Small Pedestal (High Strength Fire Resistant Commercial)
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 EN13501-1B	PA6-GF30 Non Fire-Resistant-Black 30% Glass Filled Nylon	PA6-GF30 with Fire-Resistant-Grey 30% Glass Filled Nylon EN13501-1B	PA6-GF30 Non Fire-Resistant-Black 30% Glass Filled Nylon	PA6-GF30 with Fire-Resistant-Grey 30% Glass Filled Nylon EN13501-1B
Adjustable Height Range	18-42mm	18-42mm	61-87mm	61-87mm	85-185mm	85-185mm

Decking Screw Spec: (fixing the Hollow fixing clips) M4 x 16mm CSK Head Stainless Steel Self Drilling Screws

Joist Screw Spec:(Connecting plates) M4 x 12 PH Stainless Steel Self Tapping Screws



SUPPORT HEIGHT RANGE OPTIONS			
	WITHOUT JOIST	INCLUDING 25MM HEIGHT JOISTS AND DECKING BOARD 23MM	INCLUDING 50MM HEIGHT JOISTS AND DECKING BOARD 23MM
PED-LPA-FR (Small Cradle)	18-42mm	66-90mm	91-115mm
PED-LPE-FR (Extended Cradle)	61-87mm	109-135mm	134-160mm
PED-PA-FR (Pedestal)	85-185mm	133-233mm	158-258mm
PED-EXT1-FR (Pedestal)	185-300m	233-378mm	258-403mm
PED-EXT2-FR (Pedestal)	285-400mm	333-528mm	358-553mm
PED-EXT3-FR (Pedestal)	385-624mm	433-673mm	458-697mm
PED-EXT4-FR (Pedestal)	485-775mm	533-823mm	558-848mm
PED-EXT5-FR (Pedestal)	585-920mm	633-968mm	658-993mm
PED-EXT6-FR (Pedestal)	685-1070mm	685-1020mm	758-1093mm

Extender Units Available (100mm per unit)

FIRE RESISTANT HIGH STRENGTH ADJUSTABLE CRADLES & PEDESTALS (25MM HEIGHT JOIST)

Allowable Load using Cradles/pedestals with Aluminium joist		Centres (Uniformly Distributed) KN/m2				Centres (Concentrated load) KN/m2			
Product Code	Description	600mm	800mm	1000mm	1200mm	600mm	800mm	1000mm	1200mm
PED-LPA-FR	Small Cradle 18-42mm	11.72	4.98	2.63	1.47	4.22	3.19	2.63	2.12
PED-LPE-FR	Extended Cradle 61-87mm	11.72	4.98	2.63	1.47	4.22	3.19	2.63	2.12
PED-PA-FR	Small Pedestal 85-185mm	11.54	4.98	2.63	1.47	4.00	3.19	2.63	2.12
PED-EXT1-FR	Extended Pedestal inc 1 extender 185-300mm	11.54	4.66	2.30	1.16	4.16	2.98	2.30	1.67
PED-EXT2-FR	Extended Pedestal inc 2 extender 285-400mm	11.54	4.66	2.30	1.16	4.16	2.98	2.30	1.67
PED-EXT3-FR	Extended Pedestal inc 3 extender 385-624mm	11.54	4.66	2.30	1.16	4.16	2.98	2.30	1.67
PED-EXT4-FR	Extended Pedestal inc 4 extender 485-775mm	11.54	4.66	2.30	1.16	4.16	2.98	2.30	1.67
PED-EXT5-FR	Extended Pedestal inc 5 extenders 585-920mm	11.54	4.66	2.30	1.16	4.16	2.98	2.30	1.67
PED-EXT6-FR	Extended Pedestal inc 6 extenders 685-1070mm	11.54	4.66	2.30	1.16	4.16	2.98	2.30	1.67

FIRE RESISTANT HIGH STRENGTH ADJUSTABLE CRADLES & PEDESTALS (50MM HEIGHT JOIST)

Allowable Load using Cradles/pedestals with Aluminium joist		Centres (Uniformly Distributed) KN/m2				Centres (Concentrated load) KN/m2			
Product Code	Description	600mm	800mm	1000mm	1200mm	600mm	800mm	1000mm	1200mm
PED-LPA-FR	Small Cradle 18-42mm	15.74	8.02	5.08	2.60	5.67	5.13	5.08	3.74
PED-LPE-FR	Extended Cradle 61-87mm	15.74	8.02	5.08	2.60	5.67	5.13	5.08	3.74
PED-PA-FR	Small Pedestal 85-185mm	11.11	6.25	4.00	2.60	4.00	4.00	4.00	3.74
PED-EXT1-FR	Extended Pedestal inc 1 extender 185-300mm	21.93	9.04	4.54	2.58	7.90	5.79	4.54	3.72
PED-EXT2-FR	Extended Pedestal inc 2 extender 285-400mm	20.46	9.04	4.54	2.58	7.37	5.79	4.54	3.72
PED-EXT3-FR	Extended Pedestal inc 3 extender 385-624mm	19.84	9.04	4.54	2.58	7.14	5.79	4.54	3.72
PED-EXT4-FR	Extended Pedestal inc 4 extender 485-775mm	19.88	9.04	4.54	2.58	7.16	5.79	4.54	3.72
PED-EXT5-FR	Extended Pedestal inc 5 extenders 585-920mm	19.58	9.04	4.54	2.58	7.05	5.79	4.54	3.72
PED-EXT6-FR	Extended Pedestal inc 6 extenders 685-1070mm	17.96	9.04	4.54	2.58	6.47	5.79	4.54	3.72

NON-FIRE RESISTANT HIGH STRENGTH ADJUSTABLE CRADLES & PEDESTALS (25MM HEIGHT JOIST)

Allowable Load using Cradles/pedestals with Aluminium joist		Centres (Uniformly Distributed) KN/m2				Centres (Concentrated load) KN/m2			
Product Code	Description	600mm	800mm	1000mm	1200mm	600mm	800mm	1000mm	1200mm
PED-LPA-FR	Small Cradle 18-42mm	11.72	4.98	2.63	1.47	4.22	3.19	2.63	2.12
PED-LPE-FR	Extended Cradle 61-87mm	11.72	4.98	2.63	1.47	4.22	3.19	2.63	2.12
PED-PA-FR	Small Pedestal 85-185mm	9.26	4.98	2.63	1.47	3.33	3.19	2.63	2.12
PED-EXT1-FR	Extended Pedestal inc 1 extender 185-300mm	11.54	4.98	2.63	1.47	4.00	3.19	2.63	2.12
PED-EXT2-FR	Extended Pedestal inc 2 extender 285-400mm	11.54	4.66	2.30	1.16	4.16	2.98	2.30	1.67
PED-EXT3-FR	Extended Pedestal inc 3 extender 385-624mm	11.54	4.66	2.30	1.16	4.16	2.98	2.30	1.67
PED-EXT4-FR	Extended Pedestal inc 4 extender 485-775mm	11.54	4.66	2.30	1.16	4.16	2.98	2.30	1.67
PED-EXT5-FR	Extended Pedestal inc 5 extenders 585-920mm	11.54	4.66	2.30	1.16	4.16	2.98	2.30	1.67
PED-EXT6-FR	Extended Pedestal inc 6 extenders 685-1070mm	11.54	4.66	2.30	1.16	4.16	2.98	2.30	1.67

NON-FIRE RESISTANT HIGH STRENGTH ADJUSTABLE CRADLES & PEDESTALS (50MM HEIGHT JOIST)

Allowable Load using Cradles/pedestals with Aluminium joist		Centres (Uniformly Distributed) KN/m2				Centres (Concentrated load) KN/m2			
Product Code	Description	600mm	800mm	1000mm	1200mm	600mm	800mm	1000mm	1200mm
PED-LPA-FR	Small Cradle 18-42mm	12.96	7.29	4.67	2.60	4.67	4.67	4.67	3.74
PED-LPE-FR	Extended Cradle 61-87mm	12.96	7.29	4.67	2.60	4.67	4.67	4.67	3.74
PED-PA-FR	Small Pedestal 85-185mm	9.26	5.21	3.33	2.31	3.33	3.33	3.33	3.33
PED-EXT1-FR	Extended Pedestal inc 1 extender 185-300mm	21.93	9.04	4.54	2.58	7.90	5.79	4.54	3.72
PED-EXT2-FR	Extended Pedestal inc 2 extender 285-400mm	20.46	9.04	4.54	2.58	7.37	5.79	4.54	3.72
PED-EXT3-FR	Extended Pedestal inc 3 extender 385-624mm	19.84	9.04	4.54	2.58	7.14	5.79	4.54	3.72
PED-EXT4-FR	Extended Pedestal inc 4 extender 485-775mm	19.88	9.04	4.54	2.58	7.16	5.79	4.54	3.72
PED-EXT5-FR	Extended Pedestal inc 5 extenders 585-920mm	19.58	9.04	4.54	2.58	7.05	5.79	4.54	3.72
PED-EXT6-FR	Extended Pedestal inc 6 extenders 685-1070mm	17.96	9.04	4.54	2.58	6.47	5.79	4.54	3.72

SUBFRAME SYSTEM SPECIFICATION



FIXINGS AND ACCESSORIES

A	305 Stainless Steel Screws for Solid Decking
B	Fixing Clips for Hollow Decking
C	Angled Joist Connector 25mm & 50mm
D	Adjustable Angled Connector 25mm & 50mm
E	Flat Connector 25mm & 50mm
F	M4 x 16mm CSK screws for the decking clips & M4 x 12 PH screws for the connecting plates

JOIST SPECIFICATIONS

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 DECKING BOARDS AVAILABLE:

Approximately 90% recycled materials consisting of around 60% recycled wood fibres, 30% recycled plastic and 10% toxin free additives including colour and UV stabilisers.

GREY

COFFEE

CHARCOAL

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