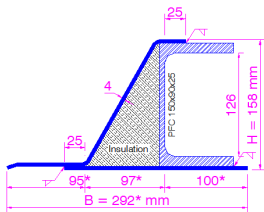


Structural Steel Lintels

EAL Lintel Range

EAL 4



*dimensions will vary with wall construction

Lintel section properties

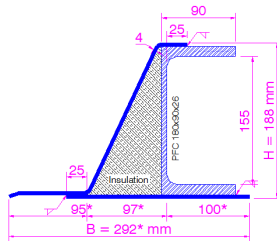
PFC	C 150 x 90 x 24
Ixx	1,874 cm ⁴
Zxx	288 cm ³
Weight	38.19 Kg/m
Area	48.65 cm ²
Ryy	6.21 cm

Permissible load ratio 1:1-1:19

Lintel load Capacity Table

Opening Span	Lintel Length	Safe Load kN
600	900	111
900	1200	111
1200	1500	111
1500	1800	111
1800	2100	111
2100	2400	111
2400	2700	111
2700	3000	111
3000	3300	91
3300	3600	75
3600	3900	63
3900	4200	53
4200	4500	46
4500	4800	40
4800	5100	35
5100	5400	31
5400	5700	28
5700	6000	25
6000	6300	22
6300	6600	20

EAL 5



*dimensions will vary with wall construction

Lintel section properties

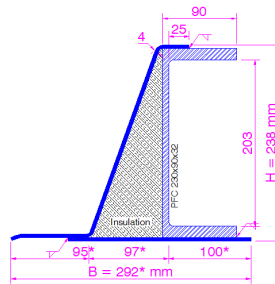
PFC	C 200 x 90 x 30
Ixx	2,854 cm ⁴
Zxx	439 cm ³
Weight	45.59 Kg/m
Area	58.07 cm ²
Ryy	8.17 cm

Permissible load ratio 1:1-1:19

Lintel load Capacity Table

Opening Span	Lintel Length	Safe Load kN
600	900	154
900	1200	154
1200	1500	154
1500	1800	154
1800	2100	154
2100	2400	154
2400	2700	154
2700	3000	154
3000	3300	154
3300	3600	154
3600	3900	130
3900	4200	111
4200	4500	96
4500	4800	83
4800	5100	73
5100	5400	65
5400	5700	58
5700	6000	52
6000	6300	47
6300	6600	42
6600	6900	38
6900	7200	35
7200	7500	32

EAL 6



*dimensions will vary with wall construction

Lintel section properties

PFC	C 230 x 90 x 32
Ixx	5,329 cm ⁴
Zxx	522 cm ³
Weight	48.59 Kg/m
Area	61.90 cm ²
Ryy	9.28 cm

Permissible load ratio 1:1-1:19

Lintel load Capacity Table

Opening Span	Lintel Length	Safe Load kN
600	900	185
900	1200	185
1200	1500	185
1500	1800	185
1800	2100	185
2100	2400	185
2400	2700	185
2700	3000	185
3000	3300	185
3300	3600	176
3600	3900	158
3900	4200	143
4200	4500	131
4500	4800	115
4800	5100	101
5100	5400	89
5400	5700	79
5700	6000	71
6000	6300	64
6300	6600	58
6600	6900	53
6900	7200	48
7200	7500	44
7500	7800	41
7800	8100	38
8100	8400	35

Our EAL range utilise a structural steel channel—PFC

How To Specify an EAL lintel; include full section name and wall construction then any optional features e.g plaster key.

Typical Optional Features

Option	Spec. Suffix
Plaster key	Suffix / P
Lintray	Prefix / L
Feature brick	Suffix / FB
Outer step (of 20mm)	Suffix / ST
Cant outer (50 mm)	Suffix / C

Typical Wall Constructions

Construction	dimension (mm)
Outer leaf	100 to 150
Cavity	50 to 150
Inner leaf	100 to 150

*Can also be manufactured to suit solid wall with no cavity with reduced load capacity.

Special sizes also available please contact Harvey steel for more information.

How To Specify an AL lintel, include full section name and wall construction "EAL "Outerleaf/Cavity/Innerleaf" and any additional options Example: A EAL 6 with 100mm brickwork, 100mm cavity and 140 mm block work with plaster key EAL6-100/100/140 /P

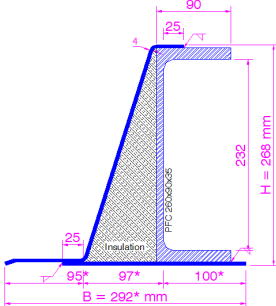
The safe working load SWL represent the maximum un-factored load uniform distributed load the beam can carry.

Bearings; min 150mm each side, for high loads longer bearings may be needed, and bearing stresses should be checked

Structural Steel Lintels

EAL Lintel Range

EAL 7



Lintel section properties

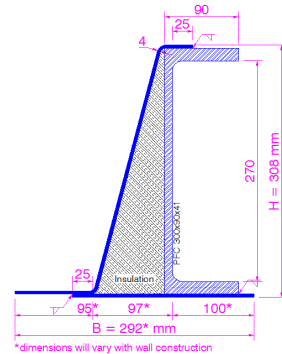
PFC	C 260 x 90 x 35
Ixx	7,174 cm ⁴
Zxx	615 cm ³
Weight	52.52 Kg/m
Area	66.90 cm ²
Ryy	10.36 cm

Permissible load ratio 1:1-1:19

Lintel load Capacity Table

Opening Span	Lintel Length	Safe Load kN
600	900	218
900	1200	218
1200	1500	218
1500	1800	218
1800	2100	218
2100	2400	218
2400	2700	218
2700	3000	218
3000	3300	218
3300	3600	202
3600	3900	181
3900	4200	164
4200	4500	149
4500	4800	136
4800	5100	124
5100	5400	115
5400	5700	106
5700	6000	96
6000	6300	87
6300	6600	79
6600	6900	72
6900	7200	65
7200	7500	60
7500	7800	55
7800	8100	51
8100	8400	47

EAL 8



Lintel section properties

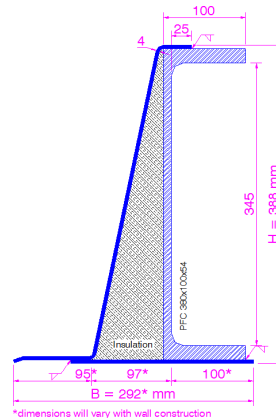
PFC	C 300 x 90 x 41
Ixx	10,662 cm ⁴
Zxx	781 cm ³
Weight	60.45 Kg/m
Area	77.01 cm ²
Ryy	11.77 cm

Permissible load ratio 1:1-1:19

Lintel load Capacity Table

Opening Span	Lintel Length	Safe Load kN
600	900	278
900	1200	278
1200	1500	278
1500	1800	278
1800	2100	278
2100	2400	278
2400	2700	278
2700	3000	278
3000	3300	278
3300	3600	246
3600	3900	220
3900	4200	198
4200	4500	179
4500	4800	163
4800	5100	149
5100	5400	137
5400	5700	126
5700	6000	116
6000	6300	108
6300	6600	100
6600	6900	93
6900	7200	87
7200	7500	82
7500	7800	77
7800	8100	72
8100	8400	68

EAL 9



Lintel section properties

PFC	C 380 x 100 x 54
Ixx	21,020 cm ⁴
Zxx	1,192 cm ³
Weight	75.54 Kg/m
Area	96.23 cm ²
Ryy	14.78 cm

Permissible load ratio 1:1-1:19

Lintel load Capacity Table

Opening Span	Lintel Length	Safe Load kN
600	900	317
900	1200	317
1200	1500	317
1500	1800	317
1800	2100	317
2100	2400	317
2400	2700	317
2700	3000	317
3000	3300	317
3300	3600	317
3600	3900	312
3900	4200	279
4200	4500	251
4500	4800	227
4800	5100	206
5100	5400	188
5400	5700	173
5700	6000	159
6000	6300	147
6300	6600	136
6600	6900	126
6900	7200	117
7200	7500	109
7500	7800	102
7800	8100	96
8100	8400	90

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Typical Optional Features

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Lintray	Prefix /L
Feature brick	Suffix /FB
Outer step (of 20mm)	Suffix /ST
Cant outer (50 mm)	Suffix /C

Typical Wall Constructions

Construction	dimension (mm)
Outer leaf	100 to 150
Cavity	50 to 150
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Example: A EAL 6 with 100mm brickwork, 100mm cavity and 140 mm block work with plaster key EAL6-100/100/140 /P

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Bearings; min 150mm each side, for high loads longer bearings may be needed, and bearing stresses should be checked