

### Alternative to hy90

Prolam® sizes are based on equivalent deflection. These tables are for guidance only, and any Prolam substitution should be verified against the complete selection chart or the Prolam online calculator. Alternatives may not be suitable for all situations.

hy90 E = 9.5GPa	Prolam PL8 Alternative	Prolam PL12 Alternative	Prolam PL17 Alternative
150 x 90	190 x 63	140 x 88	140 x 63
200 x 90	240 x 63	190 x 88	190 x 63
240 x 90	290 x 63	240 x 88	240 x 63
300 x 90	360 x 63	290 x 88	290 x 63
360 x 90	405 x 88	360 x 88	360 x 63 or 315 x 88
400 x 90	450 x 88	405 x 88	405 x 63 or 360 x 88

### Alternative to hyONE (LVL16)

Prolam sizes are based on equivalent deflection. These tables are for guidance only, and any Prolam substitution should be verified against the complete selection chart or the Prolam online calculator. Alternatives may not be suitable for all situations.

hyONE E = 16GPa	Prolam PL8 Alternative	Prolam PL12 Alternative	Prolam PL17 Alternative
240 x 90	315 x 88	290 x 88	240 x 88
300 x 90	405 x 88	360 x 88	315 x 88
360 x 90	N/A	405 x 88	360 x 88
400 x 90	N/A	450 x 88	405 x 88

This schedule applies only to Prolam products

# Comparison with hyJOISTS

## Domestic Floors

### 1.5kPa Live load SINGLE SPAN

Prolam® sizes are based on equivalent deflection. These tables are for guidance only, and any Prolam substitution should be verified against the complete selection chart or the Prolam online calculator. Alternatives may not be suitable for all situations.

hyJOIST	Joist Spacing	Span Range	Prolam Equivalent			
			Joist size	Spacing	Grade	Max Span
HJ200 45	450	3.5 to 3.8	190x63	450	PL8	3.85
			240x42	450	PL8	4.15
			190x42	450	PL12	3.75
			140x63	450	PL17	3.70
HJ200 45	600	3.1 to 3.6	190x63	600	PL8	3.50
			240x42	600	PL8	3.75
			190x42	600	PL12	3.45
			140x63	600	PL17	3.40
HJ240 63	450	4.4 to 4.9	240x63	450	PL8	4.85
			290x42	450	PL8	5.00
			240x42	450	PL12	4.70
			190x42	450	PL17	4.45
			190x63	450	PL17	4.90
HJ240 63	600	4.0 to 4.5	240x63	600	PL8	4.35
			290x42	600	PL8	4.55
			240x42	600	PL12	4.25
			190x42	600	PL16	4.05
			190x63	600	PL16	4.55
HJ240 90	450	4.9 to 5.4	290x63	450	PL8	5.60
			315x42	450	PL8	5.40
			240x63	450	PL12	5.35
			290x42	450	PL12	5.55
			240x42	450	PL17	5.30
			190x63	450	PL17	4.90
HJ240 90	600	4.5 to 5.0	290x63	600	PL8	5.25
			315x42	600	PL8	4.95
			240x63	600	PL12	4.90
			290x42	600	PL12	5.15
			190x63	600	PL17	4.55
			240x42	600	PL17	4.95

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# Comparison with hyJOISTS continued

## Domestic Floors

### 1.5kPa Live load SINGLE SPAN

Prolam® sizes are based on equivalent deflection. These tables are for guidance only, and any Prolam substitution should be verified against the complete selection chart or the Prolam online calculator. Alternatives may not be suitable for all situations.

hyJOIST	Joist Spacing	Span Range	Prolam Equivalent			
			Joist size	Spacing	Grade	Max Span
HJ300 63	450	5.0 to 5.5	290x63	450	PL8	5.60
			315x42	450	PL8	5.40
			240x63	450	PL12	5.35
			290x42	450	PL12	5.55
			240x42	450	PL17	5.30
			240x63	600	PL17	5.45
HJ300 63	600	4.6 to 5.1	290x63	600	PL8	5.25
			315x42	600	PL8	4.95
			240x63	600	PL12	4.90
			290x42	600	PL12	5.15
			240x42	600	PL17	4.95
			190x63	450	PL17	4.90
HJ300 90	450	5.6 to 6.1	315x63	450	PL8	6.00
			360x42	400	PL8	6.15
			290x63	450	PL12	6.15
			315x42	400	PL12	6.10
			290x42	450	PL17	6.10
HJ300 90	600	5.2 to 5.7	315x63	450	PL8	6.00
			360x42	450	PL8	5.95
			290x63	600	PL12	5.75
			315x42	450	PL12	5.90
			290x42	600	PL17	5.70
HJ360 63	450	5.6 to 6.2	315x63	400	PL8	6.15
			360x42	400	PL8	6.15
			290x63	450	PL12	6.15
			315x42	400	PL12	6.10
			290x42	450	PL17	6.10
HJ360 63	600	5.2 to 5.7	315x63	450	PL8	6.00
			360x42	450	PL8	5.95
			290x63	600	PL12	5.75
			315x42	450	PL12	5.90
			290x42	600	PL17	5.70

This schedule applies only to Prolam products

# Comparison with hyJOISTS continued

## Domestic Floor

### 1.5kPa Live load SINGLE SPAN

Prolam® sizes are based on equivalent deflection. These tables are for guidance only, and any Prolam substitution should be verified against the complete selection chart or the Prolam online calculator. Alternatives may not be suitable for all situations.

hyJOIST	Joist Spacing	Span Range	Prolam Equivalent			
			Joist size	Spacing	Grade	Max Span
HJ360 90	450	6.3 to 6.8	360x63	400	PL8	6.80
			405x42	400	PL8	6.70
			315x63	400	PL12	6.75
			360x42	400	PL12	6.75
			290x63	450	PL17	6.75
			315x42	400	PL17	6.70
HJ360 90	600	5.8 to 6.3	360x63	450	PL8	6.60
			405x42	450	PL8	6.55
			315x63	450	PL12	6.55
			360x42	450	PL12	6.55
			315x42	600	PL17	6.05
			290x63	600	PL17	6.30
HJ400 90	450	6.8 to 7.2	405x63	450	PL8	7.25
			360x63	450	PL12	7.25
			405x42	450	PL12	7.15
			360x42	450	PL17	7.20
			315x63	450	PL17	7.20
HJ400 90	600	6.3 to 6.7	405x63	600	PL8	6.70
			360x63	600	PL12	6.75
			405x42	600	PL12	6.65
			360x42	600	PL17	6.70
			315x63	600	PL17	6.70
HJ360 63	600	5.2 to 5.7	315x36	450	PL8	6.00
			360x42	450	PL8	5.95
			290x63	600	PL12	5.75
			315x42	450	PL12	5.90
			290x42	600	PL17	5.70

This schedule applies only to Prolam products

# Comparison with hyJOISTS continued

## Domestic Floors

### 1.5kPa Live load SINGLE SPAN

Prolam® sizes are based on equivalent deflection. These tables are for guidance only, and any Prolam substitution should be verified against the complete selection chart or the Prolam online calculator. Alternatives may not be suitable for all situations.

hyJOIST	Joist Spacing	Span Range	Prolam Equivalent			
			Joist size	Spacing	Grade	Max Span
HJ360 90	450	6.3 to 6.8	360x63	400	PL8	6.80
			405x42	400	PL8	6.70
			315x63	400	PL12	6.75
			360x42	400	PL12	6.75
			290x63	450	PL17	6.75
			315x42	400	PL17	6.70
HJ360 90	600	5.8 to 6.3	360x63	450	PL8	6.60
			405x42	450	PL8	6.55
			315x63	450	PL12	6.55
			360x42	450	PL12	6.55
			315x42	600	PL17	6.05
			290x63	600	PL17	6.30
HJ400 90	450	6.8 to 7.2	405x63	450	PL8	7.25
			360x63	450	PL12	7.25
			405x42	450	PL12	7.15
			360x42	450	PL17	7.20
			315x63	450	PL17	7.20
HJ400 90	600	6.3 to 6.7	405x63	600	PL8	6.70
			360x63	600	PL12	6.75
			405x42	600	PL12	6.65
			360x42	600	PL17	6.70
			315x63	600	PL17	6.70

This schedule applies only to Prolam products

# Alternative to Hyne 17c Glulam

Prolam® sizes are based on equivalent deflection. These tables are for guidance only, and any Prolam substitution should be verified against the complete selection chart or the Prolam online calculator. Alternatives may not be suitable for all situations.

Hyne 17c E = 16.7GPa	Prolam PL8 Alternative	Prolam PL12 Alternative	Prolam PL17 Alternative
130 x 65	190 x 63	190 x 42 or 140 x 88	140 x 63
165 x 65	240 x 63 or 190 x 88	190 x 63	190 x 63
195 x 65	240 x 88 or 290 x 42	240 x 63	240 x 42 or 190 x 63
230 x 65	290 x 88	240 x 88	240 x 63
245 x 65	315 x 63 or 290 x 88	290 x 63	240 x 85
260 x 65	315 x 88	315 x 63 or 290 x 88	290 x 63
295 x 65	360 x 88	315 x 88 or 405 x 42	315 x 63 or 290 x 85
330 x 65	405 x 88	405 x 63	360 x 63 or 315 x 85
360 x 65	450 x 88	450 x 63	405 x 63 or 360 x 85
395 x 65	N/A	450 x 63	405 x 63 or 360 x 85
425 x 65	N/A	450 x 88	450 x 63 or 405 x 85
525 x 65	N/A	N/A	495 x 85
295 x 85	405 x 88	360 x 88	290 x 85
330 x 85	450 x 88	405 x 88	360 x 85
360 x 85	N/A	405 x 88	360 x 85
425 x 85	N/A	N/A	450 x 85
460 x 85	N/A	N/A	495 x 85
525 x 85	N/A	N/A	525 x 85

This schedule applies only to Prolam products

# Alternative to hySPAN or LVL13

Prolam® sizes are based on equivalent deflection. These tables are for guidance only, and any Prolam substitution should be verified against the complete selection chart or the Prolam online calculator. Alternatives may not be suitable for all situations.

hySPAN E = 13.2GPa	Prolam PL8 Alternative	Prolam PL12 Alternative	Prolam PL17 Alternative
150 x 45	190 x 42 or 140 x 88	140 x 63	140 x 42
170 x 45	240 x 42 or 190 x 63	190 x 63	190 x 42
200 x 45	240 x 42 or 190 x 88	190 x 63	190 x 42
240 x 45	290 x 42 or 240 x 88	240 x 63	240 x 42
300 x 45	315 x 63 or 290 x 88	290 x 63	290 x 42
360 x 45	360 x 88	360 x 63	360 x 42
400 x 45	405 x 88	405 x 63	405 x 42
150 x 63	190 x 63	140 x 88	140 x 63
170 x 63	190 x 88 or 240 x 63	190 x 63	190 x 63
200 x 63	240 x 63	190 x 88	190 x 63
240 x 63	290 x 63	240 x 88	240 x 63
300 x 63	315 x 88 or 360 x 63	290 x 88	290 x 63
360 x 63	405 x 88 or 450 x 63	360 x 88	360 x 63
400 x 63	450 x 88	450 x 88	405 x 63
600 x 63	N/A	585 x 88	485 x 63
150 x 90	190 x 88	190 x 88	140 x 85
170 x 90	240 x 88	240 x 63	190 x 85
200 x 90	240 x 88	240 x 88	190 x 85
240 x 90	315 x 88	290 x 88	240 x 85
300 x 90	360 x 88	315 x 88	290 x 85
360 x 90	450 x 88	405 x 88	360 x 85
400 x 90	N/A	450 x 88	405 x 85

This schedule applies only to Prolam products

# Alternative to LVL11

Prolam® sizes are based on equivalent deflection. These tables are for guidance only, and any Prolam substitution should be verified against the complete selection chart or the Prolam online calculator. Alternatives may not be suitable for all situations.

LVL11 E = 11GPa	Prolam PL8 Alternative	Prolam PL12 Alternative	Prolam PL17 Alternative
140 x 45	190 x 42 or 140 x 63	140 x 42	140 x 42
190 x 45	190 x 63 or 240 x 42	190 x 42	190 x 42 or 140 x 88
200 x 45	240 x 42 or 190 x 88	190 x 63 or 240 x 42	240 x 42 or 190 x 63
240 x 45	290 x 42 or 240 x 63	240 x 42	290 x 42 or 240 x 63
300 x 45	315 x 63 or 290 x 88	315 x 42 or 290 x 63	315 x 42 or 290 x 63
360 x 45	360 x 63	360 x 42	360 x 42 or 315 x 63
400 x 45	405 x 63	405 x 42	405 x 42 or 360 x 42
140 x 63	190 x 63	140 x 63	140 x 42
190 x 63	190 x 88 or 240 x 63	190 x 63	190 x 42
200 x 63	240 x 63	190 x 88 or 240 x 42	240 x 42 or 190 x 63
240 x 63	290 x 63	240 x 63	240 x 42 or 190 x 88
300 x 63	315 x 88 or 360 x 63	290 x 88 or 315 x 63	315 x 42 or 290 x 63
360 x 63	360 x 88 or 405 x 63	315 x 88 or 360 x 63	360 x 42 or 315 x 63
400 x 63	405 x 88	405 x 63	405 x 42 or 360 x 63
140 x 90	190 x 88	140 x 88	140 x 63
190 x 90	240 x 88	190 x 88	190 x 63
200 x 90	240 x 88	240 x 88 or 290 x 63	190 x 88
240 x 90	315 x 88	240 x 88 or 290 x 63	240 x 63
300 x 90	360 x 88	315 x 88 or 360 x 63	315 x 63 or 290 x 88
360 x 90	405 x 88	360 x 88 or 405 x 63	360 x 63 or 315 x 88
400 x 90	450 x 88	405 x 88	405 x 63 or 360 x 88

This schedule applies only to Prolam products



## Alternative to GL13 (includes Hyne LGL)

Prolam® sizes are based on equivalent deflection. These tables are for guidance only, and any Prolam substitution should be verified against the complete selection chart or the Prolam online calculator. Alternatives may not be suitable for all situations.

GL13 E = 13.3GPa	Prolam PL8 Alternative	Prolam PL12 Alternative	Prolam PL17 Alternative
140 x 42	190 x 42 or 140 x 88	140 x 63 or 190 x 42	140 x 42
190 x 42	240 x 42 or 190 x 88	190 x 63 or 240 x 42	190 x 42 or 140 x 88
240 x 42	290 x 42 or 240 x 88	240 x 63 or 290 x 42	240 x 42 or 190 x 88
290 x 42	315 x 63 or 290 x 88	290 x 63 or 315 x 42	290 x 42 or 240 x 63
315 x 42	360 x 63 or 290 x 88	315 x 63 or 360 x 42	315 x 42 or 290 x 63
360 x 42	360 x 88	360 x 63 or 405 x 42	360 x 42 or 315 x 63
405 x 42	405 x 88	405 x 63	405 x 42 or 360 x 63
140 x 63	190 x 63	140 x 88 or 190 x 42	140 x 63
190 x 63	240 x 63	190 x 88 or 240 x 63	190 x 63
240 x 63	290 x 63	240 x 88 or 290 x 63	240 x 63
290 x 63	315 x 88	290 x 88 or 315 x 63	290 x 63 or 240 x 88
315 x 63	360 x 88	315 x 88 or 360 x 63	315 x 63 or 290 x 88
360 x 63	405 x 88 or 450 x 63	360 x 88 or 405 x 63	360 x 63 or 315 x 88
405 x 63	450 x 88	405 x 88 or 450 x 63	405 x 63 or 360 x 88
140 x 90	190 x 63	190 x 42	140 x 88
190 x 90	240 x 88	240 x 63	190 x 88
240 x 90	290 x 88	290 x 63	240 x 88
290 x 90	360 x 88	315 x 88	290 x 88
315 x 90	405 x 88	360 x 88	315 x 88
360 x 90	450 x 88	405 x 88	360 x 88

This schedule applies only to Prolam products