

KingRib® 5 Roof Allowable Load / Span Tables

Facer Gauges: 26 ga exterior / 26 ga interior

Steel Support: 3/16"																
Panel Thickness	Span Condition	Negative Wind Pressure														
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF	55 PSF	60 PSF	65 PSF	70 PSF	75 PSF	80 PSF	85 PSF	90 PSF
1.5"	Single	8'-9"	7'-11"	7'-3"	6'-8"	6'-3"	5'-11"	5'-8"	5'-5"	5'-2"	4'-11"	4'-8"	4'-5"	4'-3"	4'-1"	3'-11"
	Double	9'-6"	8'-4"	7'-6"	6'-10"	6'-4"	5'-10"	5'-6"	5'-2"	4'-11"	4'-8"	4'-6"	4'-2"	3'-11"	3'-8"	3'-6"
	Multiple	10'-7"	9'-3"	8'-3"	7'-6"	6'-11"	6'-5"	6'-1"	5'-8"	5'-5"	5'-2"	4'-11"	4'-8"	4'-5"	4'-2"	3'-11"
2.5"	Single	10'-7"	9'-5"	8'-7"	8'-0"	7'-6"	7'-1"	6'-8"	6'-5"	6'-1"	5'-11"	5'-8"	5'-6"	5'-4"	5'-1"	4'-10"
	Double	11'-5"	9'-10"	8'-9"	7'-11"	7'-3"	6'-9"	6'-3"	5'-10"	5'-4"	4'-11"	4'-7"	4'-3"	4'-0"	3'-9"	3'-7"
	Multiple	12'-7"	10'-10"	9'-7"	8'-8"	7'-11"	7'-4"	6'-10"	6'-5"	5'-11"	5'-5"	5'-1"	4'-9"	4'-5"	4'-2"	3'-11"
4"	Single	12'-11"	11'-7"	10'-7"	9'-9"	9'-2"	8'-7"	8'-2"	7'-9"	7'-5"	7'-2"	6'-11"	6'-8"	6'-5"	6'-3"	6'-1"
	Double	13'-6"	11'-7"	10'-2"	9'-2"	8'-1"	7'-2"	6'-6"	5'-11"	5'-5"	5'-1"	4'-8"	4'-5"	4'-1"	3'-10"	3'-8"
	Multiple	14'-9"	12'-8"	11'-1"	9'-11"	8'-10"	7'-11"	7'-1"	6'-5"	5'-11"	5'-6"	5'-1"	4'-9"	4'-5"	4'-2"	3'-11"
5"	Single	14'-4"	12'-10"	11'-8"	10'-10"	10'-1"	9'-6"	9'-0"	8'-7"	8'-3"	7'-11"	7'-7"	7'-4"	7'-1"	6'-11"	6'-8"
	Double	14'-5"	12'-4"	10'-9"	9'-3"	8'-2"	7'-4"	6'-7"	6'-0"	5'-6"	5'-1"	4'-9"	4'-5"	4'-2"	3'-11"	3'-8"
	Multiple	15'-9"	13'-5"	11'-9"	10'-2"	8'-11"	7'-11"	7'-2"	6'-6"	5'-11"	5'-6"	5'-1"	4'-9"	4'-6"	4'-2"	4'-0"
6"	Single	15'-7"	14'-0"	12'-9"	11'-9"	11'-0"	10'-4"	9'-10"	9'-4"	8'-11"	8'-7"	8'-3"	8'-0"	7'-8"	7'-3"	6'-10"
	Double	15'-0"	12'-10"	10'-11"	9'-5"	8'-3"	7'-5"	6'-8"	6'-1"	5'-7"	5'-2"	4'-10"	4'-6"	4'-2"	3'-11"	3'-9"
	Multiple	16'-4"	13'-10"	11'-10"	10'-2"	8'-11"	7'-11"	7'-2"	6'-6"	6'-0"	5'-6"	5'-1"	4'-9"	4'-6"	4'-3"	4'-0"

Deflection Limit:	L/240
Fastening Method:	(1) 1/4"-14 DB Fastener over a saddle washer at every high rib at every support
Wind Pressure:	ASD, Service Loads
Thermal Differential:	Is EXCLUDED
Minimum Support Steel Properties:	3/16" STL Grade A36 (Fu=58 KSI)
Panel Width:	40"
Fastener pull out values: Based on published data for 1/4"-14 DB Building Fasteners (2791lbs/fastener)	



KingRib® 5 Roof Allowable Load / Span Tables

Facer Gauges: 26 ga exterior /26 ga interior

Steel Support: 12 ga																
Panel Thickness	Span Condition	Negative Wind Pressure														
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF	55 PSF	60 PSF	65 PSF	70 PSF	75 PSF	80 PSF	85 PSF	90 PSF
1.5"	Single	8'-9"	7'-11"	7'-3"	6'-8"	6'-3"	5'-11"	5'-8"	5'-5"	5'-2"	4'-11"	4'-8"	4'-5"	4'-3"	4'-1"	3'-11"
	Double	9'-6"	8'-4"	7'-6"	6'-10"	6'-4"	5'-10"	5'-5"	4'-11"	4'-6"	4'-2"	3'-10"	3'-7"	3'-4"	3'-2"	3'-0"
	Multiple	10'-7"	9'-3"	8'-3"	7'-6"	6'-11"	6'-5"	6'-0"	5'-6"	5'-0"	4'-8"	4'-4"	4'-0"	3'-9"	3'-6"	3'-4"
2.5"	Single	10'-7"	9'-5"	8'-7"	8'-0"	7'-6"	7'-1"	6'-8"	6'-5"	6'-1"	5'-11"	5'-8"	5'-6"	5'-4"	5'-1"	4'-10"
	Double	11'-5"	9'-10"	8'-9"	7'-9"	6'-10"	6'-1"	5'-6"	5'-0"	4'-7"	4'-3"	3'-11"	3'-8"	3'-5"	3'-3"	3'-1"
	Multiple	12'-7"	10'-10"	9'-7"	8'-8"	7'-7"	6'-9"	6'-1"	5'-6"	5'-1"	4'-8"	4'-4"	4'-0"	3'-9"	3'-7"	3'-4"
4"	Single	12'-11"	11'-7"	10'-7"	9'-9"	9'-2"	8'-7"	8'-2"	7'-9"	7'-5"	7'-2"	6'-11"	6'-8"	6'-5"	6'-3"	6'-1"
	Double	13'-6"	10'-11"	9'-2"	7'-11"	6'-11"	6'-2"	5'-7"	5'-1"	4'-8"	4'-4"	4'-0"	3'-9"	3'-6"	3'-4"	3'-1"
	Multiple	14'-9"	12'-2"	10'-1"	8'-8"	7'-7"	6'-9"	6'-1"	5'-6"	5'-1"	4'-8"	4'-4"	4'-1"	3'-10"	3'-7"	3'-5"
5"	Single	14'-4"	12'-10"	11'-8"	10'-10"	10'-1"	9'-6"	9'-0"	8'-7"	8'-3"	7'-11"	7'-7"	7'-4"	7'-1"	6'-11"	6'-8"
	Double	13'-8"	11'-0"	9'-3"	8'-0"	7'-1"	6'-3"	5'-8"	5'-2"	4'-9"	4'-5"	4'-1"	3'-9"	3'-7"	3'-4"	3'-2"
	Multiple	15'-2"	12'-2"	10'-2"	8'-8"	7'-8"	6'-9"	6'-1"	5'-7"	5'-1"	4'-8"	4'-4"	4'-1"	3'-10"	3'-7"	3'-5"
6"	Single	15'-7"	14'-0"	12'-9"	11'-9"	11'-0"	10'-4"	9'-10"	9'-4"	8'-11"	8'-7"	8'-3"	8'-0"	7'-8"	7'-3"	6'-10"
	Double	13'-10"	11'-2"	9'-5"	8'-1"	7'-2"	6'-4"	5'-9"	5'-3"	4'-10"	4'-5"	4'-1"	3'-10"	3'-7"	3'-4"	3'-2"
	Multiple	15'-2"	12'-2"	10'-2"	8'-9"	7'-8"	6'-10"	6'-2"	5'-7"	5'-1"	4'-9"	4'-5"	4'-1"	3'-10"	3'-7"	3'-5"

Deflection Limit:	L/240
Fastening Method:	(1) 1/4"-14 DB Fastener over a saddle washer at every high rib at every support
Wind Pressure:	ASD, Service Loads
Thermal Differential:	Is EXCLUDED
Minimum Support Steel Properties:	12 Ga Grade 50 KSI (Fu=65 KSI)
Panel Width:	40"

Fastener pull out values: Based on published data for 1/4"-14 DB Building Fasteners (1665lbs/fastener)



KingRib® 5 Roof Allowable Load / Span Tables

Facer Gauges: 26 ga exterior /26 ga interior

Steel Support: 14 ga																
Panel Thickness	Span Condition	Negative Wind Pressure														
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF	55 PSF	60 PSF	65 PSF	70 PSF	75 PSF	80 PSF	85 PSF	90 PSF
1.5"	Single	8'-9"	7'-11"	7'-3"	6'-8"	6'-3"	5'-11"	5'-8"	5'-5"	5'-2"	4'-11"	4'-8"	4'-5"	4'-3"	4'-1"	3'-11"
	Double	8'-4"	6'-8"	5'-7"	4'-9"	4'-2"	3'-9"	3'-4"	3'-1"	2'-9"	2'-7"	2'-5"	2'-3"	2'-1"	1'-11"	1'-10"
	Multiple	9'-5"	7'-6"	6'-3"	5'-4"	4'-8"	4'-2"	3'-9"	3'-5"	3'-1"	2'-10"	2'-8"	2'-6"	2'-4"	2'-2"	2'-1"
2.5"	Single	10'-7"	9'-5"	8'-7"	8'-0"	7'-6"	7'-1"	6'-8"	6'-5"	6'-1"	5'-11"	5'-8"	5'-6"	5'-2"	4'-10"	4'-7"
	Double	8'-5"	6'-9"	5'-8"	4'-10"	4'-3"	3'-10"	3'-5"	3'-1"	2'-10"	2'-7"	2'-5"	2'-3"	2'-1"	2'-0"	1'-10"
	Multiple	9'-5"	7'-6"	6'-3"	5'-4"	4'-8"	4'-2"	3'-9"	3'-5"	3'-2"	2'-11"	2'-8"	2'-6"	2'-4"	2'-2"	2'-1"
4"	Single	12'-11"	11'-7"	10'-7"	9'-9"	9'-2"	8'-7"	8'-2"	7'-6"	6'-10"	6'-4"	5'-10"	5'-6"	5'-2"	4'-10"	4'-7"
	Double	8'-7"	6'-11"	5'-10"	5'-0"	4'-4"	3'-11"	3'-6"	3'-2"	2'-11"	2'-8"	2'-5"	2'-3"	2'-2"	2'-0"	1'-11"
	Multiple	9'-5"	7'-7"	6'-4"	5'-5"	4'-9"	4'-2"	3'-9"	3'-5"	3'-2"	2'-11"	2'-8"	2'-6"	2'-4"	2'-2"	2'-1"
5"	Single	14'-4"	12'-10"	11'-8"	10'-10"	10'-1"	9'-2"	8'-3"	7'-6"	6'-10"	6'-4"	5'-10"	5'-6"	5'-2"	4'-10"	4'-7"
	Double	8'-8"	7'-0"	5'-11"	5'-1"	4'-5"	3'-11"	3'-6"	3'-2"	2'-11"	2'-8"	2'-6"	2'-4"	2'-2"	2'-0"	1'-11"
	Multiple	9'-6"	7'-7"	6'-4"	5'-5"	4'-9"	4'-3"	3'-10"	3'-5"	3'-2"	2'-11"	2'-8"	2'-6"	2'-4"	2'-3"	2'-1"
6"	Single	15'-7"	14'-0"	12'-9"	11'-9"	10'-4"	9'-2"	8'-3"	7'-6"	6'-10"	6'-4"	5'-10"	5'-6"	5'-2"	4'-10"	4'-7"
	Double	8'-10"	7'-1"	5'-11"	5'-1"	4'-6"	4'-0"	3'-7"	3'-3"	2'-11"	2'-8"	2'-6"	2'-4"	2'-2"	2'-0"	1'-11"
	Multiple	9'-6"	7'-7"	6'-4"	5'-5"	4'-9"	4'-3"	3'-10"	3'-6"	3'-2"	2'-11"	2'-8"	2'-6"	2'-4"	2'-3"	2'-1"

Deflection Limit:	L/240
Fastening Method:	(1) 1/4"-14 DB Fastener over a saddle washer at every high rib at every support
Wind Pressure:	ASD, Service Loads
Thermal Differential:	Is EXCLUDED
Minimum Support Steel Properties:	14 Ga Grade 50 KSI (Fu=65 KSI)
Panel Width:	40"
Fastener pull out values: Based on published data for 1/4"-14 DB Building Fasteners (1035lbs/fastener)	



KingRib® 5 Roof Allowable Load / Span Tables

Facer Gauges: 26 ga exterior /26 ga interior

Steel Support: 16 ga																
Panel Thickness	Span Condition	Negative Wind Pressure														
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF	55 PSF	60 PSF	65 PSF	70 PSF	75 PSF	80 PSF	85 PSF	90 PSF
1.5"	Single	8'-9"	7'-11"	7'-3"	6'-8"	6'-3"	5'-11"	5'-8"	5'-5"	5'-2"	4'-9"	4'-5"	4'-2"	3'-11"	3'-8"	3'-5"
	Double	6'-4"	5'-1"	4'-3"	3'-8"	3'-2"	2'-10"	2'-6"	2'-4"	2'-1"	1'-11"	1'-9"	1'-8"	1'-7"	1'-6"	1'-4"
	Multiple	7'-1"	5'-8"	4'-9"	4'-1"	3'-7"	3'-2"	2'-10"	2'-7"	2'-4"	2'-2"	2'-0"	1'-10"	1'-9"	1'-8"	1'-7"
2.5"	Single	10'-7"	9'-5"	8'-7"	8'-0"	7'-6"	6'-11"	6'-3"	5'-8"	5'-2"	4'-9"	4'-5"	4'-2"	3'-11"	3'-8"	3'-5"
	Double	6'-5"	5'-2"	4'-4"	3'-8"	3'-3"	2'-10"	2'-7"	2'-4"	2'-2"	1'-11"	1'-10"	1'-8"	1'-7"	1'-6"	1'-5"
	Multiple	7'-2"	5'-8"	4'-9"	4'-1"	3'-7"	3'-2"	2'-10"	2'-7"	2'-4"	2'-2"	2'-0"	1'-11"	1'-9"	1'-8"	1'-7"
4"	Single	12'-11"	11'-7"	10'-5"	8'-11"	7'-10"	6'-11"	6'-3"	5'-8"	5'-2"	4'-9"	4'-5"	4'-2"	3'-11"	3'-8"	3'-5"
	Double	6'-7"	5'-3"	4'-5"	3'-9"	3'-4"	2'-11"	2'-7"	2'-4"	2'-2"	2'-0"	1'-10"	1'-8"	1'-7"	1'-6"	1'-5"
	Multiple	7'-2"	5'-9"	4'-9"	4'-1"	3'-7"	3'-2"	2'-10"	2'-7"	2'-4"	2'-2"	2'-0"	1'-11"	1'-9"	1'-8"	1'-7"
5"	Single	14'-4"	12'-6"	10'-5"	8'-11"	7'-10"	6'-11"	6'-3"	5'-8"	5'-2"	4'-9"	4'-5"	4'-2"	3'-11"	3'-8"	3'-5"
	Double	6'-8"	5'-4"	4'-6"	3'-10"	3'-4"	2'-11"	2'-8"	2'-5"	2'-2"	2'-0"	1'-10"	1'-8"	1'-7"	1'-6"	1'-5"
	Multiple	7'-2"	5'-9"	4'-10"	4'-1"	3'-7"	3'-2"	2'-10"	2'-7"	2'-5"	2'-2"	2'-0"	1'-11"	1'-9"	1'-8"	1'-7"
6"	Single	15'-7"	12'-6"	10'-5"	8'-11"	7'-10"	6'-11"	6'-3"	5'-8"	5'-2"	4'-9"	4'-5"	4'-2"	3'-11"	3'-8"	3'-5"
	Double	6'-9"	5'-5"	4'-6"	3'-10"	3'-4"	3'-0"	2'-8"	2'-5"	2'-2"	2'-0"	1'-10"	1'-8"	1'-7"	1'-6"	1'-5"
	Multiple	7'-3"	5'-10"	4'-10"	4'-2"	3'-7"	3'-2"	2'-11"	2'-7"	2'-5"	2'-2"	2'-0"	1'-11"	1'-9"	1'-8"	1'-7"

Deflection Limit:	L/240
Fastening Method:	(1) 1/4"-14 DB Fastener over a saddle washer at every high rib at every support
Wind Pressure:	ASD, Service Loads
Thermal Differential:	Is EXCLUDED
Minimum Support Steel Properties:	16 Ga Grade 50 KSI (Fu=65 KSI)
Panel Width:	40"
Fastener pull out values: Based on published data for 1/4"-14 DB Building Fasteners (785lbs/fastener)	



Contact Details

USA

DeLand, FL: 877-638-3266
Modesto, CA: 800-377-5110
info.NA@kingspanpanels.com
www.kingspanpanels.us



[Latest version here](#)

Canada

Caledon, ON: 866-442-3594
Langley, BC: 877-937-6562
info.NA@kingspanpanels.com
www.kingspanpanels.ca



[Latest version here](#)

For the most up to date version of this document,
please scan the QR codes above or click the link.

Care has been taken to ensure that the contents of this publication are accurate, but Kingspan Limited and its subsidiary companies do not accept responsibility for errors or for information that is found to be misleading. Suggestions for, or description of, the end use or application of products or methods of working are for information only and Kingspan Limited and its subsidiaries accept no liability in respect thereof.
© Kingspan, KingRib and the Lion Device are Registered Trademarks of the Kingspan Group plc in the US, Canada and other countries. All rights reserved. © Kingspan Insulated Panels Inc.

