

KingRib® 3 Wall Allowable Load / Span Tables

Facer Gauges: 22 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
2.5"	Single	10'-4"	9'-3"	8'-6"	7'-10"	7'-5"	7'-0"	6'-7"	6'-4"	6'-1"	5'-10"	5'-7"	5'-5"	5'-3"	5'-0"	4'-10"
	Double	11'-5"	9'-10"	8'-9"	7'-10"	7'-2"	6'-8"	6'-2"	5'-9"	5'-5"	5'-2"	4'-11"	4'-8"	4'-6"	4'-4"	4'-2"
	Multiple	12'-7"	10'-10"	9'-7"	8'-7"	7'-10"	7'-3"	6'-9"	6'-3"	5'-11"	5'-7"	5'-4"	5'-1"	4'-11"	4'-8"	4'-6"
4"	Single	12'-9"	11'-5"	10'-5"	9'-8"	9'-0"	8'-6"	8'-1"	7'-8"	7'-4"	7'-1"	6'-10"	6'-7"	6'-5"	6'-2"	6'-0"
	Double	13'-6"	11'-6"	10'-1"	9'-0"	8'-2"	7'-6"	7'-0"	6'-6"	6'-1"	5'-9"	5'-5"	5'-2"	4'-11"	4'-9"	4'-6"
	Multiple	14'-9"	12'-6"	10'-11"	9'-9"	8'-10"	8'-1"	7'-6"	7'-0"	6'-6"	6'-2"	5'-10"	5'-7"	5'-4"	5'-1"	4'-10"

Deflection Limit:	L/180
Fastening Method:	(4) 1/4"-14" Through-Screws with 1 1/8" washer at every support
Wind Pressure:	Nominal, ASD, Service Loads
Thermal Differential:	EXCLUDED
Minimum Support Steel Properties:	3/16" Grade 36 (Fu = 58 ksi)
DB Fastener pull-out values per supporting steel gauge:	16 ga = 785 lbs, 14 ga = 1,035 lbs, 12 ga = 1,665 lbs, and 3/16" = 3,115 lbs

Notes to tables: Spans shown are for negative uniform loads only. Spans may be governed by other factors including temperature differentials, deflection requirements, structural support gage, or unequal spacing of secondary. Consult Kingspan for specific project applications.



KingRib® 3 Wall Allowable Load / Span Tables

Facer Gauges: 22 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
2.5"	Single	10'-4"	9'-3"	8'-6"	7'-10"	7'-5"	7'-0"	6'-7"	6'-4"	6'-1"	5'-10"	5'-7"	5'-5"	5'-3"	5'-0"	4'-10"
	Double	11'-5"	9'-10"	8'-9"	7'-10"	7'-2"	6'-8"	6'-2"	5'-9"	5'-5"	5'-2"	4'-11"	4'-8"	4'-6"	4'-4"	4'-2"
	Multiple	12'-7"	10'-10"	9'-7"	8'-7"	7'-10"	7'-3"	6'-9"	6'-3"	5'-11"	5'-7"	5'-4"	5'-1"	4'-11"	4'-8"	4'-6"
4"	Single	12'-9"	11'-5"	10'-5"	9'-8"	9'-0"	8'-6"	8'-1"	7'-8"	7'-4"	7'-1"	6'-10"	6'-7"	6'-5"	6'-2"	6'-0"
	Double	13'-6"	11'-6"	10'-1"	9'-0"	8'-2"	7'-6"	7'-0"	6'-6"	6'-1"	5'-9"	5'-5"	5'-2"	4'-11"	4'-9"	4'-6"
	Multiple	14'-9"	12'-6"	10'-11"	9'-9"	8'-10"	8'-1"	7'-6"	7'-0"	6'-6"	6'-2"	5'-10"	5'-7"	5'-4"	5'-1"	4'-10"

Deflection Limit:	L/180
Fastening Method:	(4) 1/4"-14" Through-Screws with 1 1/8" washer at every support
Wind Pressure:	Nominal, ASD, Service Loads
Thermal Differential:	EXCLUDED
Minimum Support Steel Properties:	12 ga Grade 50 (Fu = 65 ksi)
DB Fastener pull-out values per supporting steel gauge:	16 ga = 785 lbs, 14 ga = 1,035 lbs, 12 ga = 1,665 lbs, and 3/16" = 3,115 lbs

Notes to tables: Spans shown are for negative uniform loads only. Spans may be governed by other factors including temperature differentials, deflection requirements, structural support gage, or unequal spacing of secondary. Consult Kingspan for specific project applications.



KingRib® 3 Wall Allowable Load / Span Tables

Facer Gauges: 22 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
2.5"	Single	10'-3"	9'-2"	8'-5"	7'-9"	7'-3"	6'-10"	6'-6"	6'-3"	6'-0"	5'-9"	5'-6"	5'-4"	5'-1"	4'-10"	4'-8"
	Double	10'-5"	9'-0"	7'-11"	7'-2"	6'-6"	6'-0"	5'-7"	5'-3"	4'-11"	4'-8"	4'-6"	4'-3"	4'-1"	3'-11"	3'-9"
	Multiple	11'-6"	9'-10"	8'-8"	7'-10"	7'-1"	6'-7"	6'-1"	5'-8"	5'-4"	5'-1"	4'-10"	4'-7"	4'-5"	4'-3"	4'-1"
4"	Single	10'-3"	9'-2"	8'-5"	7'-9"	7'-3"	6'-10"	6'-6"	6'-3"	6'-0"	5'-9"	5'-6"	5'-4"	5'-1"	4'-10"	4'-8"
	Double	10'-5"	9'-0"	7'-11"	7'-2"	6'-6"	6'-0"	5'-7"	5'-3"	4'-11"	4'-8"	4'-6"	4'-3"	4'-1"	3'-11"	3'-9"
	Multiple	11'-6"	9'-10"	8'-8"	7'-10"	7'-1"	6'-7"	6'-1"	5'-8"	5'-4"	5'-1"	4'-10"	4'-7"	4'-5"	4'-3"	4'-1"

Deflection Limit:	L/180
Fastening Method:	(4) 1/4"-14" Through-Screws with 1 1/8" washer at every support
Wind Pressure:	Nominal, ASD, Service Loads
Thermal Differential:	EXCLUDED
Minimum Support Steel Properties:	14 ga Grade 50 (Fu = 65 ksi)
DB Fastener pull-out values per supporting steel gauge:	16 ga = 785 lbs, 14 ga = 1,035 lbs, 12 ga = 1,665 lbs, and 3/16" = 3,115 lbs

Notes to tables: Spans shown are for negative uniform loads only. Spans may be governed by other factors including temperature differentials, deflection requirements, structural support gage, or unequal spacing of secondary. Consult Kingspan for specific project applications.



KingRib® 3 Wall Allowable Load / Span Tables

Facer Gauges: 22 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
2.5"	Single	10'-3"	9'-2"	8'-5"	7'-9"	7'-3"	6'-10"	6'-6"	6'-3"	6'-0"	5'-9"	5'-6"	5'-4"	5'-1"	4'-10"	4'-8"
	Double	10'-5"	9'-0"	7'-11"	7'-2"	6'-6"	6'-0"	5'-7"	5'-3"	4'-11"	4'-8"	4'-6"	4'-3"	4'-1"	3'-11"	3'-9"
	Multiple	11'-6"	9'-10"	8'-8"	7'-10"	7'-1"	6'-7"	6'-1"	5'-8"	5'-4"	5'-1"	4'-10"	4'-7"	4'-5"	4'-3"	4'-1"
4"	Single	10'-3"	9'-2"	8'-5"	7'-9"	7'-3"	6'-10"	6'-6"	6'-3"	6'-0"	5'-9"	5'-6"	5'-4"	5'-1"	4'-10"	4'-8"
	Double	10'-5"	9'-0"	7'-11"	7'-2"	6'-6"	6'-0"	5'-7"	5'-3"	4'-11"	4'-8"	4'-6"	4'-3"	4'-1"	3'-11"	3'-9"
	Multiple	11'-6"	9'-10"	8'-8"	7'-10"	7'-1"	6'-7"	6'-1"	5'-8"	5'-4"	5'-1"	4'-10"	4'-7"	4'-5"	4'-3"	4'-1"

Deflection Limit:	L/180
Fastening Method:	(4) 1/4"-14" Through-Screws with 1 1/8" washer at every support
Wind Pressure:	Nominal, ASD, Service Loads
Thermal Differential:	EXCLUDED
Minimum Support Steel Properties:	16 ga Grade 50 (Fu = 65 ksi)
DB Fastener pull-out values per supporting steel gauge:	16 ga = 785 lbs, 14 ga = 1,035 lbs, 12 ga = 1,665 lbs, and 3/16" = 3,115 lbs

Notes to tables: Spans shown are for negative uniform loads only. Spans may be governed by other factors including temperature differentials, deflection requirements, structural support gage, or unequal spacing of secondary. Consult Kingspan for specific project applications.



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.

