

KingRib® 3 Wall Allowable Load / Span Tables

Facer Gauges: 22 ga exterior / 24 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	11'-10"	10'-7"	9'-8"	8'-11"	8'-4"	7'-11"	7'-6"	7'-0"	6'-6"	6'-1"	5'-9"	5'-6"	5'-3"	5'-0"	4'-10"
	Double	11'-8"	10'-1"	8'-11"	8'-0"	7'-4"	6'-9"	6'-3"	5'-11"	5'-7"	5'-3"	5'-0"	4'-9"	4'-7"	4'-5"	4'-3"
	Multiple	12'-10"	11'-0"	9'-9"	8'-9"	7'-11"	7'-4"	6'-10"	6'-5"	6'-0"	5'-8"	5'-5"	5'-2"	4'-11"	4'-9"	4'-7"
4"	Single	14'-8"	13'-1"	11'-11"	11'-1"	10'-4"	9'-9"	9'-3"	8'-9"	8'-5"	8'-1"	7'-9"	7'-6"	7'-1"	6'-9"	6'-5"
	Double	13'-9"	11'-9"	10'-3"	9'-2"	8'-4"	7'-8"	7'-1"	6'-7"	6'-2"	5'-10"	5'-6"	5'-3"	5'-0"	4'-10"	4'-7"
	Multiple	15'-0"	12'-9"	11'-1"	9'-11"	9'-0"	8'-2"	7'-7"	7'-1"	6'-8"	6'-3"	5'-11"	5'-7"	5'-4"	5'-2"	4'-11"

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 / 24 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	11'-10"	10'-7"	9'-8"	8'-11"	8'-4"	7'-11"	7'-6"	7'-0"	6'-6"	6'-1"	5'-9"	5'-6"	5'-3"	5'-0"	4'-10"
	Double	11'-8"	10'-1"	8'-11"	8'-0"	7'-4"	6'-9"	6'-3"	5'-11"	5'-7"	5'-3"	5'-0"	4'-9"	4'-7"	4'-5"	4'-3"
	Multiple	12'-10"	11'-0"	9'-9"	8'-9"	7'-11"	7'-4"	6'-10"	6'-5"	6'-0"	5'-8"	5'-5"	5'-2"	4'-11"	4'-9"	4'-7"
4"	Single	14'-8"	13'-1"	11'-11"	11'-1"	10'-4"	9'-9"	9'-3"	8'-9"	8'-5"	8'-1"	7'-9"	7'-6"	7'-1"	6'-9"	6'-5"
	Double	13'-9"	11'-9"	10'-3"	9'-2"	8'-4"	7'-8"	7'-1"	6'-7"	6'-2"	5'-10"	5'-6"	5'-3"	5'-0"	4'-10"	4'-7"
	Multiple	15'-0"	12'-9"	11'-1"	9'-11"	9'-0"	8'-2"	7'-7"	7'-1"	6'-8"	6'-3"	5'-11"	5'-7"	5'-4"	5'-2"	4'-11"

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 / 24 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

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KingRib® 3 Wall Allowable Load / Span Tables

Facer Gauges: 22 ga exterior / 24 ga interior

Steel Support: 16 ga																
Panel Thickness	Span Condition	Negative Wind Pressure														
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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
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