

KingSeam 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
3.25"	Single	15'-0"	12'-0"	10'-0"	8'-6"	7'-6"	6'-8"	6'-0"	5'-5"	5'-0"	4'-7"	4'-3"	4'-0"
	Double	14'-8"	11'-11"	10'-0"	8'-8"	7'-8"	6'-11"	6'-3"	5'-9"	5'-4"	4'-11"	4'-8"	4'-4"
	Multiple	15'-0"	12'-0"	10'-1"	8'-8"	7'-8"	6'-10"	6'-2"	5'-8"	5'-3"	4'-10"	4'-6"	4'-3"
4"	Single	15'-0"	12'-0"	10'-0"	8'-6"	7'-6"	6'-8"	6'-0"	5'-5"	5'-0"	4'-7"	4'-3"	4'-0"
	Double	15'-11"	12'-11"	10'-11"	9'-5"	8'-4"	7'-6"	6'-9"	6'-1"	5'-6"	5'-0"	4'-7"	4'-3"
	Multiple	17'-7"	14'-1"	11'-9"	10'-1"	8'-10"	7'-10"	6'-11"	6'-3"	5'-8"	5'-2"	4'-9"	4'-5"
5"	Single	15'-0"	12'-0"	10'-0"	8'-6"	7'-6"	6'-8"	6'-0"	5'-5"	5'-0"	4'-7"	4'-3"	4'-0"
	Double	16'-1"	13'-0"	11'-0"	9'-7"	8'-6"	7'-6"	6'-7"	5'-11"	5'-4"	4'-11"	4'-6"	4'-2"
	Multiple	17'-7"	14'-1"	11'-10"	10'-2"	8'-9"	7'-8"	6'-10"	6'-1"	5'-7"	5'-1"	4'-8"	4'-4"
6"	Single	15'-0"	12'-0"	10'-0"	8'-6"	7'-6"	6'-8"	6'-0"	5'-5"	5'-0"	4'-7"	4'-3"	4'-0"
	Double	16'-2"	13'-2"	11'-2"	9'-9"	8'-4"	7'-4"	6'-6"	5'-10"	5'-3"	4'-10"	4'-5"	4'-1"
	Multiple	17'-8"	14'-2"	11'-10"	10'-0"	8'-7"	7'-7"	6'-8"	6'-0"	5'-5"	5'-0"	4'-7"	4'-3"

Deflection Limit:	L/240
Fastening Method:	Concealed clip w/ (2) 1/4" TEK fasteners
Wind Pressure:	ASD, Service Loads
Thermal Differential:	EXCLUDED
Minimum Support Steel Properties:	16 ga, 14 ga & 12 ga Grade 50 (Fu = 65 ksi) ; 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.



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

Deflection Limit:	L/240
Fastening Method:	Concealed clip w/ (2) 1/4" TEK fasteners
Wind Pressure:	ASD, Service Loads
Thermal Differential:	EXCLUDED
Minimum Support Steel Properties:	16 ga, 14 ga & 12 ga Grade 50 (Fu = 65 ksi) ; 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.



KingSeam 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
3.25"	Single	15'-0"	12'-0"	10'-0"	8'-6"	7'-6"	6'-8"	6'-0"	5'-5"	5'-0"	4'-7"	4'-3"	4'-0"
	Double	8'-10"	7'-2"	6'-1"	5'-4"	4'-8"	4'-3"	3'-10"	3'-6"	3'-3"	3'-0"	2'-10"	2'-7"
	Multiple	9'-6"	7'-8"	6'-5"	5'-6"	4'-10"	4'-4"	3'-11"	3'-7"	3'-3"	3'-0"	2'-10"	2'-8"
4"	Single	15'-0"	12'-0"	10'-0"	8'-6"	7'-6"	6'-8"	6'-0"	5'-5"	5'-0"	4'-7"	4'-3"	4'-0"
	Double	8'-11"	7'-4"	6'-2"	5'-5"	4'-9"	4'-3"	3'-10"	3'-7"	3'-3"	3'-0"	2'-10"	2'-8"
	Multiple	9'-6"	7'-8"	6'-5"	5'-6"	4'-10"	4'-4"	3'-11"	3'-7"	3'-3"	3'-1"	2'-10"	2'-8"
5"	Single	15'-0"	12'-0"	10'-0"	8'-6"	7'-6"	6'-8"	6'-0"	5'-5"	5'-0"	4'-7"	4'-3"	4'-0"
	Double	9'-1"	7'-5"	6'-3"	5'-5"	4'-10"	4'-4"	3'-11"	3'-7"	3'-4"	3'-1"	2'-10"	2'-8"
	Multiple	9'-7"	7'-9"	6'-6"	5'-7"	4'-11"	4'-5"	3'-11"	3'-7"	3'-4"	3'-1"	2'-10"	2'-8"
6"	Single	15'-0"	12'-0"	10'-0"	8'-6"	7'-6"	6'-8"	6'-0"	5'-5"	5'-0"	4'-7"	4'-3"	4'-0"
	Double	9'-2"	7'-6"	6'-4"	5'-6"	4'-11"	4'-4"	3'-11"	3'-7"	3'-4"	3'-1"	2'-10"	2'-8"
	Multiple	9'-7"	7'-9"	6'-6"	5'-7"	4'-11"	4'-5"	4'-0"	3'-7"	3'-4"	3'-1"	2'-10"	2'-8"

Deflection Limit:	L/240
Fastening Method:	Concealed clip w/ (2) 1/4" TEK fasteners
Wind Pressure:	ASD, Service Loads
Thermal Differential:	EXCLUDED
Minimum Support Steel Properties:	16 ga, 14 ga & 12 ga Grade 50 (Fu = 65 ksi) ; 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

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

Deflection Limit:	L/240
Fastening Method:	Concealed clip w/ (2) 1/4" TEK fasteners
Wind Pressure:	ASD, Service Loads
Thermal Differential:	EXCLUDED
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