

K-Roc™ HF Series Load / Span Tables
Interior Applications

26/26 facer gauges; 16 ga (50 ksi) supports				
Panel Thickness	Span Condition	Internal Static Pressure		
		5 PSF	10 PSF	15 PSF
4"	Single Span	27' - 9"	21' - 5"	17' - 8"
	Double Span	23' - 2"	11' - 11"	8' - 2"
	Multiple Span	20' - 0"	13' - 1"	8' - 9"
6"	Single Span	36' - 8"	26' - 9"	17' - 10"
	Double Span	23' - 4"	12' - 1"	8' - 4"
	Multiple Span	20' - 0"	13' - 1"	8' - 10"
8"	Single Span	43' - 11"	26' - 10"	17' - 10"
	Double Span	23' - 6"	12' - 4"	8' - 6"
	Multiple Span	20' - 0"	13' - 2"	8' - 11"

Panel series:	K-Roc HF (Shadowline)
Design parameter:	Uniform load
Fastening method:	Exposed fastener: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer along with 2 screws per clip at panel joint for every structural member available.
Exterior face:	26 ga AZ50 steel
Interior face:	26 ga AZ50 steel
Deflection limit:	L/240
Structural support gauge:	16 ga (50 ksi) supports
Panel width:	42"
Thermal differential:	Not considered
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (829 lbs/fastener)

Note: Consult Kingspan for project-specific applications.

24/26 facer gauges; 16 ga (50 ksi) supports				
Panel Thickness	Span Condition	Internal Static Pressure		
		5 PSF	10 PSF	15 PSF
4"	Single Span	28' - 6"	21' - 8"	17' - 9"
	Double Span	23' - 2"	11' - 11"	8' - 2"
	Multiple Span	20' - 0"	13' - 1"	8' - 9"
6"	Single Span	37' - 9"	26' - 9"	17' - 10"
	Double Span	23' - 4"	12' - 2"	8' - 5"
	Multiple Span	20' - 0"	13' - 1"	8' - 10"
8"	Single Span	43' - 11"	26' - 10"	17' - 10"
	Double Span	23' - 7"	12' - 5"	8' - 7"
	Multiple Span	20' - 0"	13' - 2"	8' - 11"

Panel series:	K-Roc HF (Azteco™, Micro-Rib, Shadowline, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Exposed fastener: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer along with 2 screws per clip at panel joint for every structural member available.
Exterior face:	24 ga AZ50 steel
Interior face:	26 ga AZ50 steel
Deflection limit:	L/240
Structural support gauge:	16 ga (50 ksi) supports
Panel width:	42"
Thermal differential:	Not considered
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (829 lbs/fastener)

Note: Consult Kingspan for project-specific applications.



K-Roc™ HF Series Load / Span Tables
Interior Applications

22/26 facer gauges; 16 ga (50 ksi) supports				
Panel Thickness	Span Condition	Internal Static Pressure		
		5 PSF	10 PSF	15 PSF
4"	Single Span	29' - 5"	21' - 9"	17' - 9"
	Double Span	23' - 2"	12' - 0"	8' - 3"
	Multiple Span	20' - 0"	13' - 1"	8' - 9"
6"	Single Span	37' - 11"	26' - 10"	17' - 10"
	Double Span	23' - 5"	12' - 2"	8' - 5"
	Multiple Span	20' - 0"	13' - 2"	8' - 10"
8"	Single Span	44' - 0"	26' - 10"	17' - 10
	Double Span	23' - 7"	12' - 5"	8' - 7"
	Multiple Span	20' - 0"	13' - 2"	8' - 11"

Panel series:	K-Roc HF (Azteco™, Micro-Rib, Shadowline, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Exposed fastener: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer along with 2 screws per clip at panel joint for every structural member available.
Exterior face:	22 ga AZ50 steel
Interior face:	26 ga AZ50 steel
Deflection limit:	L/240
Structural support gauge:	16 ga (50 ksi) supports
Panel width:	42"
Thermal differential:	Not considered
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (829 lbs/fastener)

Note: Consult Kingspan for project-specific applications.

24/24 facer gauges; 16 ga (50 ksi) supports				
Panel Thickness	Span Condition	Internal Static Pressure		
		5 PSF	10 PSF	15 PSF
4"	Single Span	29' - 6"	22' - 8"	17' - 10"
	Double Span	23' - 2"	12' - 0"	8' - 3"
	Multiple Span	20' - 0"	13' - 1"	8' - 9"
6"	Single Span	39' - 0"	26' - 10"	17' - 10"
	Double Span	23' - 5"	12' - 3"	8' - 5"
	Multiple Span	20' - 0"	13' - 2"	8' - 10"
8"	Single Span	47' - 5"	26' - 10"	17' - 10"
	Double Span	23' - 7"	12' - 5"	8' - 7"
	Multiple Span	20' - 0"	13' - 2"	8' - 11"

Panel series:	K-Roc HF (Azteco™, Micro-Rib, Shadowline, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Exposed fastener: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer along with 2 screws per clip at panel joint for every structural member available.
Exterior face:	24 ga AZ50 steel
Interior face:	24 ga AZ50 steel
Deflection limit:	L/240
Structural support gauge:	16 ga (50 ksi) supports
Panel width:	42"
Thermal differential:	Not considered
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (829 lbs/fastener)

Note: Consult Kingspan for project-specific applications.



K-Roc™ HF Series Load / Span Tables
Interior Applications

22/24 facer gauges; 16 ga (50 ksi) supports				
Panel Thickness	Span Condition	Internal Static Pressure		
		5 PSF	10 PSF	15 PSF
4"	Single Span	30' - 6"	23' - 5"	17' - 10"
	Double Span	23' - 3"	12' - 0"	8' - 3"
	Multiple Span	20' - 0"	13' - 1"	8' - 9"
6"	Single Span	40' - 4"	26' - 10"	17' - 10"
	Double Span	23' - 5"	12' - 3"	8' - 6"
	Multiple Span	20' - 0"	13' - 2"	8' - 10"
8"	Single Span	48' - 4"	26' - 10"	17' - 10"
	Double Span	23' - 8"	12' - 6"	8' - 8"
	Multiple Span	20' - 0"	13' - 3"	8' - 11"

Panel series:	K-Roc HF (Azteco™, Micro-Rib, Shadowline, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Exposed fastener: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer along with 2 screws per clip at panel joint for every structural member available.
Exterior face:	22 ga AZ50 steel
Interior face:	24 ga AZ50 steel
Deflection limit:	L/240
Structural support gauge:	16 ga (50 ksi) supports
Panel width:	42"
Thermal differential:	Not considered
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (829 lbs/fastener)

Note: Consult Kingspan for project-specific applications.

22/22 facer gauges; 16 ga (50 ksi) supports				
Panel Thickness	Span Condition	Internal Static Pressure		
		5 PSF	10 PSF	15 PSF
4"	Single Span	31' - 9"	24' - 4"	17' - 10"
	Double Span	23' - 3"	12' - 1"	8' - 4"
	Multiple Span	20' - 0"	13' - 1"	8' - 10"
6"	Single Span	42' - 0"	26' - 10"	17' - 10"
	Double Span	23' - 6"	12' - 4"	8' - 7"
	Multiple Span	20' - 0"	13' - 2"	8' - 11"
8"	Single Span	51' - 1"	26' - 10"	17' - 10"
	Double Span	23' - 9"	12' - 7"	8' - 9"
	Multiple Span	20' - 0"	13' - 3"	9' - 0"

Panel series:	K-Roc HF (Azteco™, Micro-Rib, Shadowline, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Exposed fastener: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer along with 2 screws per clip at panel joint for every structural member available.
Exterior face:	22 ga AZ50 steel
Interior face:	22 ga AZ50 steel
Deflection limit:	L/240
Structural support gauge:	16 ga (50 ksi) supports
Panel width:	42"
Thermal differential:	Not considered
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (829 lbs/fastener)

Note: Consult Kingspan for project-specific applications.



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