

K-Roc™ HF QT Series Load / Span Tables

24/24 facer gauges; 16 ga (50 ksi) supports							
Exposed fastener at every condition: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer							
Panel Thickness	Span Condition	Negative Wall Pressure in PSF					
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF
4"	Single Span	10' - 8"	9' - 6"	8' - 8"	7' - 6"	6' - 7"	5' - 10"
	Double Span	7' - 4"	6' - 0"	5' - 0"	4' - 4"	3' - 10"	3' - 5"
	Multiple Span	7' - 6"	6' - 0"	5' - 1"	4' - 4"	3' - 10"	3' - 5"
6"	Single Span	13' - 2"	11' - 9"	10' - 9"	9' - 11"	9' - 3"	8' - 6"
	Double Span	7' - 6"	6' - 1"	5' - 1"	4' - 5"	3' - 10"	3' - 5"
	Multiple Span	7' - 7"	6' - 1"	5' - 1"	4' - 5"	3' - 10"	3' - 5"
8"	Single Span	15' - 3"	13' - 8"	12' - 5"	10' - 11"	9' - 7"	8' - 6"
	Double Span	7' - 7"	6' - 1"	5' - 1"	4' - 5"	3' - 10"	3' - 5"
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Panel series:	K-Roc HF QT (Shadowline, Azteco, Flat, Micro-Rib, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Conceal panel clip with (2) 1/4-14 self-drilling fastener at every support. Exposed fastener at every condition: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer
Exterior face:	24 ga AZ50 steel
Interior face:	Perforated 24 ga AZ50 steel
Deflection limit:	L/180
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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Exterior face:	24 ga AZ50 steel
Interior face:	Perforated 24 ga AZ50 steel
Deflection limit:	L/180
Structural support gauge:	14 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 (1036 lbs/fastener)

Note: Consult Kingspan for project-specific applications.

22/24 facer gauges; 14 ga (50 ksi) supports								
Exposed fastener at every support: (4) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer								
Panel Thickness	Span Condition	Negative Wall Pressure in PSF						
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF
4"	Single Span	10' - 8"	9' - 6"	8' - 8"	7' - 6"	6' - 7"	5' - 10"	5' - 3"
	Double Span	11' - 10"	9' - 8"	8' - 2"	7' - 1"	6' - 3"	5' - 7"	5' - 1"
	Multiple Span	11' - 7"	9' - 5"	8' - 0"	6' - 11"	6' - 1"	5' - 6"	5' - 0"
6"	Single Span	13' - 2"	11' - 9"	10' - 9"	9' - 11"	9' - 4"	8' - 9"	7' - 11"
	Double Span	14' - 11"	13' - 1"	11' - 10"	10' - 7"	9' - 4"	8' - 5"	7' - 7"
	Multiple Span	15' - 4"	13' - 6"	11' - 11"	10' - 4"	9' - 1"	8' - 2"	7' - 5"
8"	Single Span	15' - 3"	13' - 8"	12' - 5"	11' - 6"	10' - 9"	10' - 2"	9' - 3"
	Double Span	17' - 4"	15' - 2"	13' - 8"	12' - 6"	11' - 7"	10' - 11"	9' - 9"
	Multiple Span	17' - 9"	15' - 8"	14' - 2"	13' - 0"	12' - 0"	10' - 10"	9' - 10"

Panel series:	K-Roc HF QT (Shadowline, Azteco, Flat, Micro-Rib, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Conceal panel clip with (2) 1/4-14 self-drilling fastener at every support. Exposed fastener at every support: (4) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer
Exterior face:	22 ga AZ50 steel
Interior face:	Perforated 24 ga AZ50 steel
Deflection limit:	L/180
Structural support gauge:	14 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 (1036 lbs/fastener)

Note: Consult Kingspan for project-specific applications.



K-Roc™ HF QT Series Load / Span Tables

24/24 facer gauges; 12 ga (50 ksi) supports							
Exposed fastener at every condition: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer							
Panel Thickness	Span Condition	Negative Wall Pressure in PSF					
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF
4"	Single Span	10' - 8"	9' - 6"	8' - 8"	7' - 6"	6' - 7"	5' - 10"
	Double Span	7' - 7"	6' - 2"	5' - 2"	4' - 6"	3' - 11"	3' - 6"
	Multiple Span	7' - 9"	6' - 3"	5' - 3"	4' - 6"	4' - 0"	3' - 6"
6"	Single Span	13' - 2"	11' - 9"	10' - 9"	9' - 11"	9' - 3"	8' - 6"
	Double Span	7' - 9"	6' - 3"	5' - 3"	4' - 6"	4' - 0"	3' - 7"
	Multiple Span	7' - 10"	6' - 4"	5' - 3"	4' - 7"	4' - 0"	3' - 7"
8"	Single Span	15' - 3"	13' - 8"	12' - 5"	10' - 11"	9' - 7"	8' - 6"
	Double Span	7' - 10"	6' - 4"	5' - 4"	4' - 7"	4' - 0"	3' - 7"
	Multiple Span	7' - 10"	6' - 4"	5' - 4"	4' - 7"	4' - 0"	3' - 7"

Panel series:	K-Roc HF QT (Shadowline, Azteco, Flat, Micro-Rib, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Conceal panel clip with (2) 1/4-14 self-drilling fastener at every support. Exposed fastener at every condition: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer
Exterior face:	24 ga AZ50 steel
Interior face:	Perforated 24 ga AZ50 steel
Deflection limit:	L/180
Structural support gauge:	12 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 (1450 lbs/fastener)

Note: Consult Kingspan for project-specific applications.

22/22 facer gauges; 12 ga (50 ksi) supports							
Exposed fastener at every condition: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer							
Panel Thickness	Span Condition	Negative Wall Pressure in PSF					
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF
4"	Single Span	10' - 8"	9' - 6"	8' - 8"	7' - 6"	6' - 7"	5' - 10"
	Double Span	7' - 7"	6' - 2"	5' - 3"	4' - 6"	3' - 11"	3' - 6"
	Multiple Span	7' - 9"	6' - 3"	5' - 3"	4' - 6"	4' - 0"	3' - 6"
6"	Single Span	13' - 2"	11' - 9"	10' - 9"	9' - 11"	9' - 4"	8' - 6"
	Double Span	7' - 9"	6' - 3"	5' - 3"	4' - 6"	4' - 0"	3' - 7"
	Multiple Span	7' - 10"	6' - 4"	5' - 3"	4' - 7"	4' - 0"	3' - 7"
8"	Single Span	15' - 3"	13' - 8"	12' - 5"	10' - 11"	9' - 7"	8' - 6"
	Double Span	7' - 10"	6' - 4"	5' - 4"	4' - 7"	4' - 0"	3' - 7"
	Multiple Span	7' - 11"	6' - 4"	5' - 4"	4' - 7"	4' - 0"	3' - 7"

Panel series:	K-Roc HF QT (Shadowline, Azteco, Flat, Micro-Rib, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Conceal panel clip with (2) 1/4-14 self-drilling fastener at every support. Exposed fastener at every condition: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer
Exterior face:	22 ga AZ50 steel
Interior face:	Perforated 24 ga AZ50 steel
Deflection limit:	L/180
Structural support gauge:	14 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 (1450 lbs/fastener)

Note: Consult Kingspan for project-specific applications.



K-Roc™ HF QT Series Load / Span Tables

24/24 facer gauges; 12 ga (50 ksi) supports								
Exposed fastener at every support: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer								
Panel Thickness	Span Condition	Negative Wall Pressure in PSF						
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF
4"	Single Span	10' - 8"	9' - 6"	8' - 8"	7' - 6"	6' - 7"	5' - 10"	5' - 3"
	Double Span	11' - 9"	9' - 7"	8' - 1"	7' - 1"	6' - 3"	5' - 7"	5' - 1"
	Multiple Span	11' - 7"	9' - 5"	7' - 11"	6' - 11"	6' - 1"	5' - 5"	4' - 11"
6"	Single Span	13' - 2"	11' - 9"	10' - 9"	9' - 11"	9' - 3"	8' - 6"	7' - 8"
	Double Span	15' - 1"	13' - 2"	11' - 11"	10' - 6"	9' - 4"	8' - 4"	7' - 7"
	Multiple Span	15' - 5"	13' - 7"	11' - 10"	10' - 3"	9' - 1"	8' - 2"	7' - 5"
8"	Single Span	15' - 3"	13' - 8"	12' - 5"	10' - 11"	9' - 7"	8' - 6"	7' - 8"
	Double Span	17' - 5"	15' - 4"	13' - 9"	11' - 11"	10' - 3"	9' - 0"	8' - 0"
	Multiple Span	17' - 10"	15' - 9"	14' - 3"	12' - 4"	10' - 7"	9' - 3"	8' - 3"

Panel series:	K-Roc HF QT (Shadowline, Azteco, Flat, Micro-Rib, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Conceal panel clip with (2) 1/4-14 self-drilling fastener at every support. Exposed fastener at every support: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer
Exterior face:	24 ga AZ50 steel
Interior face:	Perforated 24 ga AZ50 steel
Deflection limit:	L/180
Structural support gauge:	12 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 (1450 lbs/fastener)

Note: Consult Kingspan for project-specific applications.

22/24 facer gauges; 12 ga (50 ksi) supports								
Exposed fastener at every support: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer								
Panel Thickness	Span Condition	Negative Wall Pressure in PSF						
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF
4"	Single Span	10' - 8"	9' - 6"	8' - 8"	7' - 6"	6' - 7"	5' - 10"	5' - 3"
	Double Span	11' - 10"	9' - 8"	8' - 2"	7' - 1"	6' - 3"	5' - 7"	5' - 1"
	Multiple Span	11' - 7"	9' - 5"	8' - 0"	6' - 11"	6' - 1"	5' - 6"	5' - 0"
6"	Single Span	13' - 2"	11' - 9"	10' - 9"	9' - 11"	9' - 4"	8' - 6"	7' - 8"
	Double Span	14' - 11"	13' - 1"	11' - 10"	10' - 7"	9' - 4"	8' - 5"	7' - 7"
	Multiple Span	15' - 4"	13' - 6"	11' - 11"	10' - 4"	9' - 1"	8' - 2"	7' - 5"
8"	Single Span	15' - 3"	13' - 8"	12' - 5"	10' - 11"	9' - 7"	8' - 6"	7' - 8"
	Double Span	17' - 4"	15' - 2"	13' - 8"	11' - 10"	10' - 2"	8' - 11"	8' - 0"
	Multiple Span	17' - 9"	15' - 8"	14' - 2"	12' - 3"	10' - 6"	9' - 3"	8' - 2"

Panel series:	K-Roc HF QT (Shadowline, Azteco, Flat, Micro-Rib, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Conceal panel clip with (2) 1/4-14 self-drilling fastener at every support. Exposed fastener at every support: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer
Exterior face:	22 ga AZ50 steel
Interior face:	Perforated 24 ga AZ50 steel
Deflection limit:	L/180
Structural support gauge:	12 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 (1450 lbs/fastener)

Note: Consult Kingspan for project-specific applications.



K-Roc™ HF QT Series Load / Span Tables

24/24 facer gauges; 12 ga (50 ksi) supports								
Exposed fastener at every support: (4) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer								
Panel Thickness	Span Condition	Negative Wall Pressure in PSF						
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF
4"	Single Span	10' - 8"	9' - 6"	8' - 8"	7' - 6"	6' - 7"	5' - 10"	5' - 3"
	Double Span	11' - 9"	9' - 7"	8' - 1"	7' - 1"	6' - 3"	5' - 7"	5' - 1"
	Multiple Span	11' - 7"	9' - 5"	7' - 11"	6' - 11"	6' - 1"	5' - 5"	4' - 11"
6"	Single Span	13' - 2"	11' - 9"	10' - 9"	9' - 11"	9' - 3"	8' - 9"	7' - 11"
	Double Span	15' - 1"	13' - 2"	11' - 11"	10' - 6"	9' - 4"	8' - 4"	7' - 7"
	Multiple Span	15' - 5"	13' - 7"	11' - 10"	10' - 3"	9' - 1"	8' - 2"	7' - 5"
8"	Single Span	15' - 3"	13' - 8"	12' - 5"	11' - 6"	10' - 9"	10' - 2"	9' - 3"
	Double Span	17' - 5"	15' - 4"	13' - 9"	12' - 7"	11' - 8"	10' - 11"	9' - 10"
	Multiple Span	17' - 10"	15' - 9"	14' - 3"	13' - 1"	12' - 0"	10' - 9"	9' - 9"

Panel series:	K-Roc HF QT (Shadowline, Azteco, Flat, Micro-Rib, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Conceal panel clip with (2) 1/4-14 self-drilling fastener at every support. Exposed fastener at every support: (4) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer
Exterior face:	24 ga AZ50 steel
Interior face:	Perforated 24 ga AZ50 steel
Deflection limit:	L/180
Structural support gauge:	12 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 (1450 lbs/fastener)

Note: Consult Kingspan for project-specific applications.

22/24 facer gauges; 12 ga (50 ksi) supports								
Exposed fastener at every support: (4) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer								
Panel Thickness	Span Condition	Negative Wall Pressure in PSF						
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF
4"	Single Span	10' - 8"	9' - 6"	8' - 8"	7' - 6"	6' - 7"	5' - 10"	5' - 3"
	Double Span	11' - 10"	9' - 8"	8' - 2"	7' - 1"	6' - 3"	5' - 7"	5' - 1"
	Multiple Span	11' - 7"	9' - 5"	8' - 0"	6' - 11"	6' - 1"	5' - 6"	5' - 0"
6"	Single Span	13' - 2"	11' - 9"	10' - 9"	9' - 11"	9' - 4"	8' - 9"	7' - 11"
	Double Span	14' - 11"	13' - 1"	11' - 10"	10' - 7"	9' - 4"	8' - 5"	7' - 7"
	Multiple Span	15' - 4"	13' - 6"	11' - 11"	10' - 4"	9' - 1"	8' - 2"	7' - 5"
8"	Single Span	15' - 3"	13' - 8"	12' - 5"	11' - 6"	10' - 9"	10' - 2"	9' - 3"
	Double Span	17' - 4"	15' - 2"	13' - 8"	12' - 6"	11' - 7"	10' - 11"	9' - 9"
	Multiple Span	17' - 9"	15' - 8"	14' - 2"	13' - 0"	12' - 0"	10' - 10"	9' - 10"

Panel series:	K-Roc HF QT (Shadowline, Azteco, Flat, Micro-Rib, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Conceal panel clip with (2) 1/4-14 self-drilling fastener at every support. Exposed fastener at every support: (4) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer
Exterior face:	22 ga AZ50 steel
Interior face:	Perforated 24 ga AZ50 steel
Deflection limit:	L/180
Structural support gauge:	12 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 (1450 lbs/fastener)

Note: Consult Kingspan for project-specific applications.



K-Roc™ HF QT Series Load / Span Tables

24/24 facer gauges; 1/4" (50 ksi) supports							
Exposed fastener at every condition: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer							
Panel Thickness	Span Condition	Negative Wall Pressure in PSF					
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF
4"	Single Span	10' - 8"	9' - 6"	8' - 8"	7' - 6"	6' - 7"	5' - 10"
	Double Span	7' - 7"	6' - 2"	5' - 2"	4' - 6"	3' - 11"	3' - 6"
	Multiple Span	7' - 9"	6' - 3"	5' - 3"	4' - 6"	4' - 0"	3' - 6"
6"	Single Span	13' - 2"	11' - 9"	10' - 9"	9' - 11"	9' - 3"	8' - 6"
	Double Span	7' - 9"	6' - 3"	5' - 3"	4' - 6"	4' - 0"	3' - 7"
	Multiple Span	7' - 10"	6' - 4"	5' - 3"	4' - 7"	4' - 0"	3' - 7"
8"	Single Span	15' - 3"	13' - 8"	12' - 5"	10' - 11"	9' - 7"	8' - 6"
	Double Span	7' - 10"	6' - 4"	5' - 4"	4' - 7"	4' - 0"	3' - 7"
	Multiple Span	7' - 10"	6' - 4"	5' - 4"	4' - 7"	4' - 0"	3' - 7"

Panel series:	K-Roc HF QT (Shadowline, Azteco, Flat, Micro-Rib, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Conceal panel clip with (2) 1/4-14 self-drilling fastener at every support. Exposed fastener at every condition: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer
Exterior face:	24 ga AZ50 steel
Interior face:	Perforated 24 ga AZ50 steel
Deflection limit:	L/180
Structural support gauge:	1/4"
Panel width:	42"
Thermal differential:	Not considered
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (3453 lbs/fastener)

Note: Consult Kingspan for project-specific applications.

22/24 facer gauges; 1/4" (50 ksi) supports							
Exposed fastener at every condition: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer							
Panel Thickness	Span Condition	Negative Wall Pressure in PSF					
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF
4"	Single Span	10' - 8"	9' - 6"	8' - 8"	7' - 6"	6' - 7"	5' - 10"
	Double Span	7' - 7"	6' - 2"	5' - 3"	4' - 6"	3' - 11"	3' - 6"
	Multiple Span	7' - 9"	6' - 3"	5' - 3"	4' - 6"	4' - 0"	3' - 6"
6"	Single Span	13' - 2"	11' - 9"	10' - 9"	9' - 11"	9' - 4"	8' - 6"
	Double Span	7' - 9"	6' - 3"	5' - 3"	4' - 6"	4' - 0"	3' - 7"
	Multiple Span	7' - 10"	6' - 4"	5' - 3"	4' - 7"	4' - 0"	3' - 7"
8"	Single Span	15' - 3"	13' - 8"	12' - 5"	10' - 11"	9' - 7"	8' - 6"
	Double Span	7' - 10"	6' - 4"	5' - 4"	4' - 7"	4' - 0"	3' - 7"
	Multiple Span	7' - 11"	6' - 4"	5' - 4"	4' - 7"	4' - 0"	3' - 7"

Panel series:	K-Roc HF QT (Shadowline, Azteco, Flat, Micro-Rib, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Conceal panel clip with (2) 1/4-14 self-drilling fastener at every support. Exposed fastener at every condition: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer
Exterior face:	22 ga AZ50 steel
Interior face:	Perforated 24 ga AZ50 steel
Deflection limit:	L/180
Structural support gauge:	1/4"
Panel width:	42"
Thermal differential:	Not considered
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (3453 lbs/fastener)

Note: Consult Kingspan for project-specific applications.



K-Roc™ HF QT Series Load / Span Tables

24/24 facer gauges; 1/4" (50 ksi) supports								
Exposed fastener at every support: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer								
Panel Thickness	Span Condition	Negative Wall Pressure in PSF						
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF
4"	Single Span	10' - 8"	9' - 6"	8' - 8"	7' - 6"	6' - 7"	5' - 10"	5' - 3"
	Double Span	11' - 9"	9' - 7"	8' - 1"	7' - 1"	6' - 3"	5' - 7"	5' - 1"
	Multiple Span	11' - 7"	9' - 5"	7' - 11"	6' - 11"	6' - 1"	5' - 5"	4' - 11"
6"	Single Span	13' - 2"	11' - 9"	10' - 9"	9' - 11"	9' - 3"	8' - 6"	7' - 8"
	Double Span	15' - 1"	13' - 2"	11' - 11"	10' - 6"	9' - 4"	8' - 4"	7' - 7"
	Multiple Span	15' - 5"	13' - 7"	11' - 10"	10' - 3"	9' - 1"	8' - 2"	7' - 5"
8"	Single Span	15' - 3"	13' - 8"	12' - 5"	10' - 11"	9' - 7"	8' - 6"	7' - 8"
	Double Span	17' - 5"	15' - 4"	13' - 9"	11' - 11"	10' - 3"	9' - 0"	8' - 0"
	Multiple Span	17' - 10"	15' - 9"	14' - 3"	12' - 4"	10' - 7"	9' - 3"	8' - 3"

Panel series:	K-Roc HF QT (Shadowline, Azteco, Flat, Micro-Rib, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Conceal panel clip with (2) 1/4-14 self-drilling fastener at every support. Exposed fastener at every support: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer
Exterior face:	24 ga AZ50 steel
Interior face:	Perforated 24 ga AZ50 steel
Deflection limit:	L/180
Structural support gauge:	1/4"
Panel width:	42"
Thermal differential:	Not considered
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (3453 lbs/fastener)

Note: Consult Kingspan for project-specific applications.

22/24 facer gauges; 1/4" (50 ksi) supports								
Exposed fastener at every support: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer								
Panel Thickness	Span Condition	Negative Wall Pressure in PSF						
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF
4"	Single Span	10' - 8"	9' - 6"	8' - 8"	7' - 6"	6' - 7"	5' - 10"	5' - 3"
	Double Span	11' - 10"	9' - 8"	8' - 2"	7' - 1"	6' - 3"	5' - 7"	5' - 1"
	Multiple Span	11' - 7"	9' - 5"	8' - 0"	6' - 11"	6' - 1"	5' - 6"	5' - 0"
6"	Single Span	13' - 2"	11' - 9"	10' - 9"	9' - 11"	9' - 4"	8' - 6"	7' - 8"
	Double Span	14' - 11"	13' - 1"	11' - 10"	10' - 7"	9' - 4"	8' - 5"	7' - 7"
	Multiple Span	15' - 4"	13' - 6"	11' - 11"	10' - 4"	9' - 1"	8' - 2"	7' - 5"
8"	Single Span	15' - 3"	13' - 8"	12' - 5"	10' - 11"	9' - 7"	8' - 6"	7' - 8"
	Double Span	17' - 4"	15' - 2"	13' - 8"	11' - 10"	10' - 2"	8' - 11"	8' - 0"
	Multiple Span	17' - 9"	15' - 8"	14' - 2"	12' - 3"	10' - 6"	9' - 3"	8' - 2"

Panel series:	K-Roc HF QT (Shadowline, Azteco, Flat, Micro-Rib, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Conceal panel clip with (2) 1/4-14 self-drilling fastener at every support. Exposed fastener at every support: (3) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer
Exterior face:	22 ga AZ50 steel
Interior face:	Perforated 24 ga AZ50 steel
Deflection limit:	L/180
Structural support gauge:	1/4"
Panel width:	42"
Thermal differential:	Not considered
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (3453 lbs/fastener)

Note: Consult Kingspan for project-specific applications.



K-Roc™ HF QT Series Load / Span Tables

24/24 facer gauges; 1/4" (50 ksi) supports								
Exposed fastener at every support: (4) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer								
Panel Thickness	Span Condition	Negative Wall Pressure in PSF						
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF
4"	Single Span	10' - 8"	9' - 6"	8' - 8"	7' - 6"	6' - 7"	5' - 10"	5' - 3"
	Double Span	11' - 9"	9' - 7"	8' - 1"	7' - 1"	6' - 3"	5' - 7"	5' - 1"
	Multiple Span	11' - 7"	9' - 5"	7' - 11"	6' - 11"	6' - 1"	5' - 5"	4' - 11"
6"	Single Span	13' - 2"	11' - 9"	10' - 9"	9' - 11"	9' - 3"	8' - 9"	7' - 11"
	Double Span	15' - 1"	13' - 2"	11' - 11"	10' - 6"	9' - 4"	8' - 4"	7' - 7"
	Multiple Span	15' - 5"	13' - 7"	11' - 10"	10' - 3"	9' - 1"	8' - 2"	7' - 5"
8"	Single Span	15' - 3"	13' - 8"	12' - 5"	11' - 6"	10' - 9"	10' - 2"	9' - 3"
	Double Span	17' - 5"	15' - 4"	13' - 9"	12' - 7"	11' - 8"	10' - 11"	9' - 10"
	Multiple Span	17' - 10"	15' - 9"	14' - 3"	13' - 1"	12' - 0"	10' - 9"	9' - 9"

Panel series:	K-Roc HF QT (Shadowline, Azteco, Flat, Micro-Rib, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Conceal panel clip with (2) 1/4-14 self-drilling fastener at every support. Exposed fastener at every support: (4) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer
Exterior face:	24 ga AZ50 steel
Interior face:	Perforated 24 ga AZ50 steel
Deflection limit:	L/180
Structural support gauge:	1/4"
Panel width:	42"
Thermal differential:	Not considered
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (3453 lbs/fastener)

Note: Consult Kingspan for project-specific applications.

22/24 facer gauges; 1/4" (50 ksi) supports								
Exposed fastener at every support: (4) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer								
Panel Thickness	Span Condition	Negative Wall Pressure in PSF						
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF
4"	Single Span	10' - 8"	9' - 6"	8' - 8"	7' - 6"	6' - 7"	5' - 10"	5' - 3"
	Double Span	11' - 10"	9' - 8"	8' - 2"	7' - 1"	6' - 3"	5' - 7"	5' - 1"
	Multiple Span	11' - 7"	9' - 5"	8' - 0"	6' - 11"	6' - 1"	5' - 6"	5' - 0"
6"	Single Span	13' - 2"	11' - 9"	10' - 9"	9' - 11"	9' - 4"	8' - 9"	7' - 11"
	Double Span	14' - 11"	13' - 1"	11' - 10"	10' - 7"	9' - 4"	8' - 5"	7' - 7"
	Multiple Span	15' - 4"	13' - 6"	11' - 11"	10' - 4"	9' - 1"	8' - 2"	7' - 5"
8"	Single Span	15' - 3"	13' - 8"	12' - 5"	11' - 6"	10' - 9"	10' - 2"	9' - 3"
	Double Span	17' - 4"	15' - 2"	13' - 8"	12' - 6"	11' - 7"	10' - 11"	9' - 9"
	Multiple Span	17' - 9"	15' - 8"	14' - 2"	13' - 0"	12' - 0"	10' - 10"	9' - 10"

Panel series:	K-Roc HF QT (Shadowline, Azteco, Flat, Micro-Rib, Mini Micro-Rib)
Design parameter:	Uniform load
Fastening method:	Conceal panel clip with (2) 1/4-14 self-drilling fastener at every support. Exposed fastener at every support: (4) 1/4-14 self-drilling fastener with 1-1/8" dia. bonded washer
Exterior face:	22 ga AZ50 steel
Interior face:	Perforated 24 ga AZ50 steel
Deflection limit:	L/180
Structural support gauge:	1/4"
Panel width:	42"
Thermal differential:	Not considered
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (3453 lbs/fastener)

Note: Consult Kingspan for project-specific applications.



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