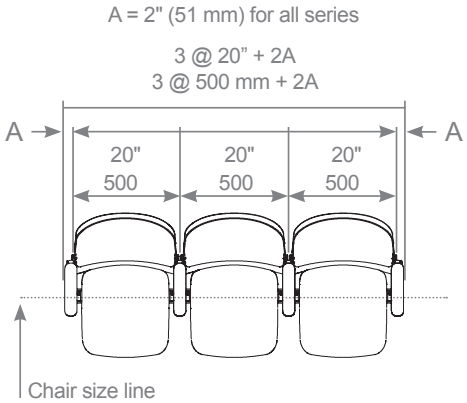
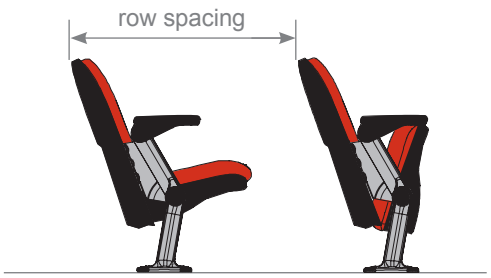
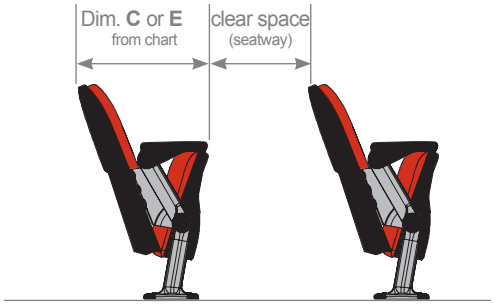
Seating Layout

Row Spacing (all Quattro series)

To help facilitate your design solution, calculate seating row lengths and row spacing by using the example below. Pick your chair series and width from the appropriate dimensional data, multiply by the number of chairs in the row and add A for each end.

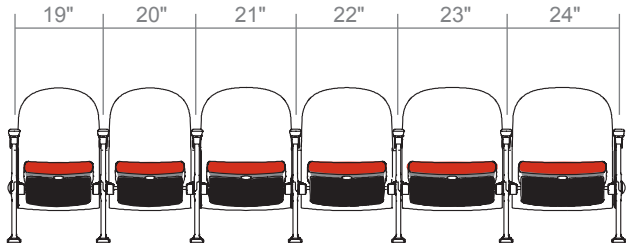




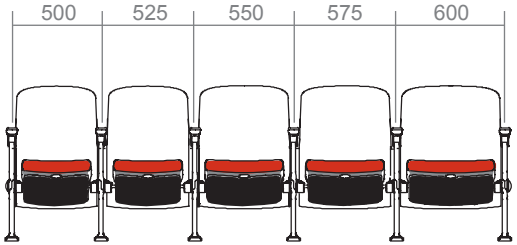


Seat Width Dimensional Data

U.S. Dimensions in inches

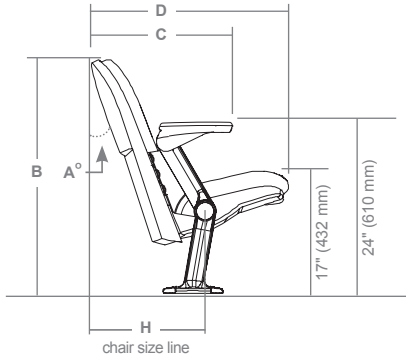


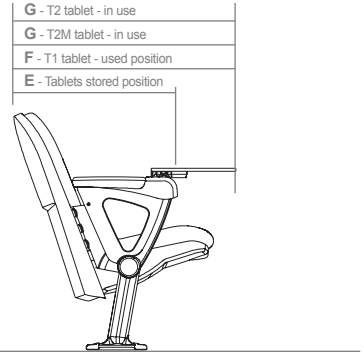
Metric Dimensions in millimeters (mm)



Dimensional Data

Quattro Collection: Designer, Soft Side and Classic Series



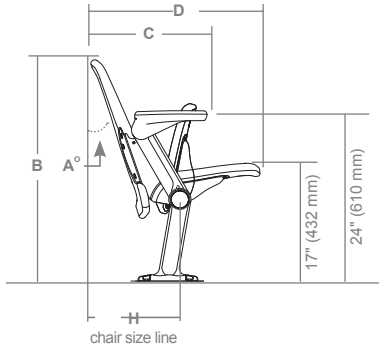


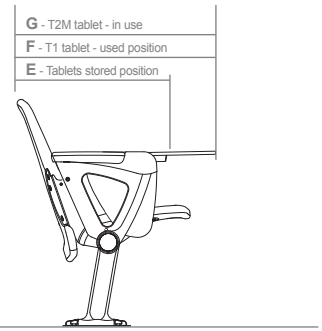
T2M designed for tighter row spacing, yet has the same profile dims as the T2

A°	B		C		D		E		F		G		H	
21°	33"	838 mm	19 7/8	505 mm	27 7/8"	709 mm	22 3/4"	578 mm	30 7/8"	784 mm	31 5/8"	803 mm	16"	406 mm
18°	33 3/4"	857 mm	18 3/4	476 mm	26 3/4"	680 mm	21 5/8"	549 mm	29 3/4"	756 mm	30 1/2"	775 mm	14 7/8"	378 mm
15°	34 1/2"	876 mm	17 5/8"	448 mm	25 5/8"	651 mm	20 1/2"	521 mm	28 5/8"	727 mm	29 3/8"	746 mm	13 3/4"	349 mm
21°	36"	915 mm	21"	534 mm	29"	734 mm	23 7/8"	607 mm	32"	813 mm	32 3/4"	832 mm	17 1/8"	435 mm
18°	36 3/4"	934 mm	19 3/4"	502 mm	27 3/4"	705 mm	22 5/8"	575 mm	30 3/4"	781 mm	31 1/2"	800 mm	15 7/8"	403 mm
15°	37 1/2"	953 mm	18 1/2"	470 mm	26 1/2"	673 mm	21 3/8"	543 mm	29 1/2"	749 mm	30 1/4"	768 mm	14 5/8"	372 mm

Maximum rise 24" (610 mm) | Minimum rise 6" (152 mm)

Quattro Collection: Performance Series



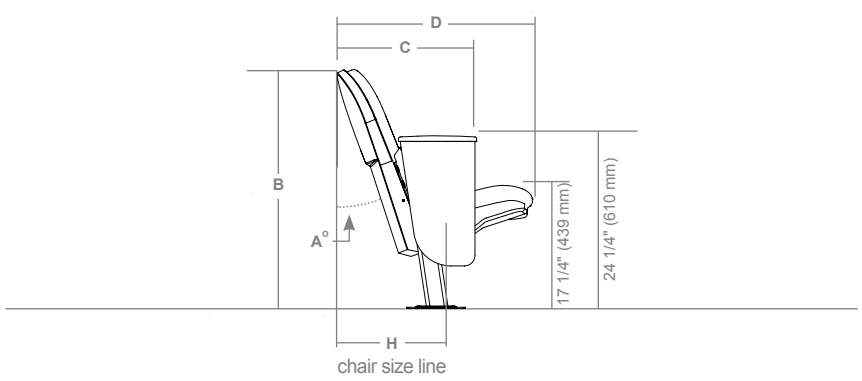


T2M designed for tighter row spacing, yet has the same profile dims as the T2

A°	B		C		D		E		F		G		H	
21°	31 1/2"	800 mm	16 1/2"	419 mm	23 7/8"	606 mm	19 3/8"	492 mm	30 7/8"	784 mm	27 1/8"	689 mm	12 5/16"	313 mm
18°	32"	813 mm	15 1/2"	394 mm	22 7/8"	581 mm	18 3/8"	467 mm	29 3/4"	756 mm	26 1/8"	664 mm	11 5/16"	287 mm
15°	32 5/8"	829 mm	N/A	N/A	N/A	N/A	17 1/4"	438 mm	25"	635 mm	N/A	N/A	10 1/2"	267 mm

Maximum rise 24" (610 mm) | Minimum rise 6" (152 mm)

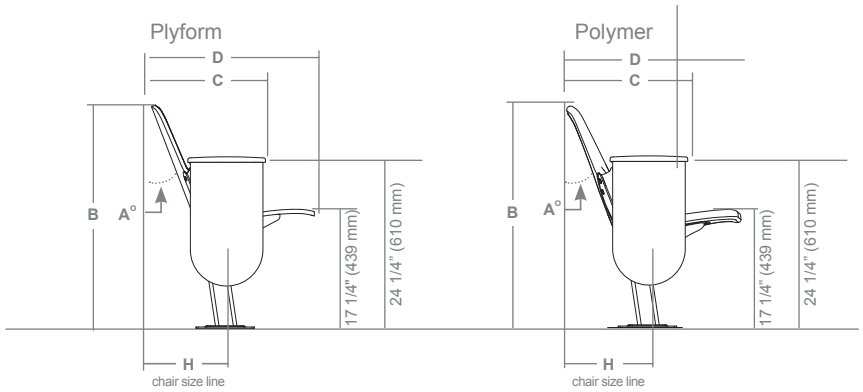
Quattro Traditional Collection: Designer, Soft Side and Classic Series



A°	B		C		D		H	
21°	33 1/2"	851 mm	19 7/8"	505 mm	27 7/8"	709 mm	16"	406 mm
18°	34"	864 mm	18 3/4"	476 mm	26 3/4"	680 mm	14 7/8"	378 mm
15°	34 1/2"	876 mm	17 5/8"	448 mm	25 5/8"	651 mm	13 3/4"	349 mm
12°	35"	889 mm	16 1/2"	419 mm	24 1/2"	623 mm	12 5/8"	319 mm
21°	36"	915 mm	21"	534 mm	29"	734 mm	17 1/8"	435 mm
18°	36 3/4"	934 mm	19 3/4"	502 mm	27 3/4"	705 mm	15 7/8"	397 mm
15°	37 1/2"	953 mm	18 1/2"	470 mm	26 1/2"	673 mm	14 5/8"	371 mm
12°	38"	965 mm	17 3/8"	441 mm	25 3/8"	645 mm	13 1/2"	300 mm

Maximum rise 24" (610 mm) | Minimum rise 6" (152 mm)

Quattro Traditional Collection: Performance Series



Plyform

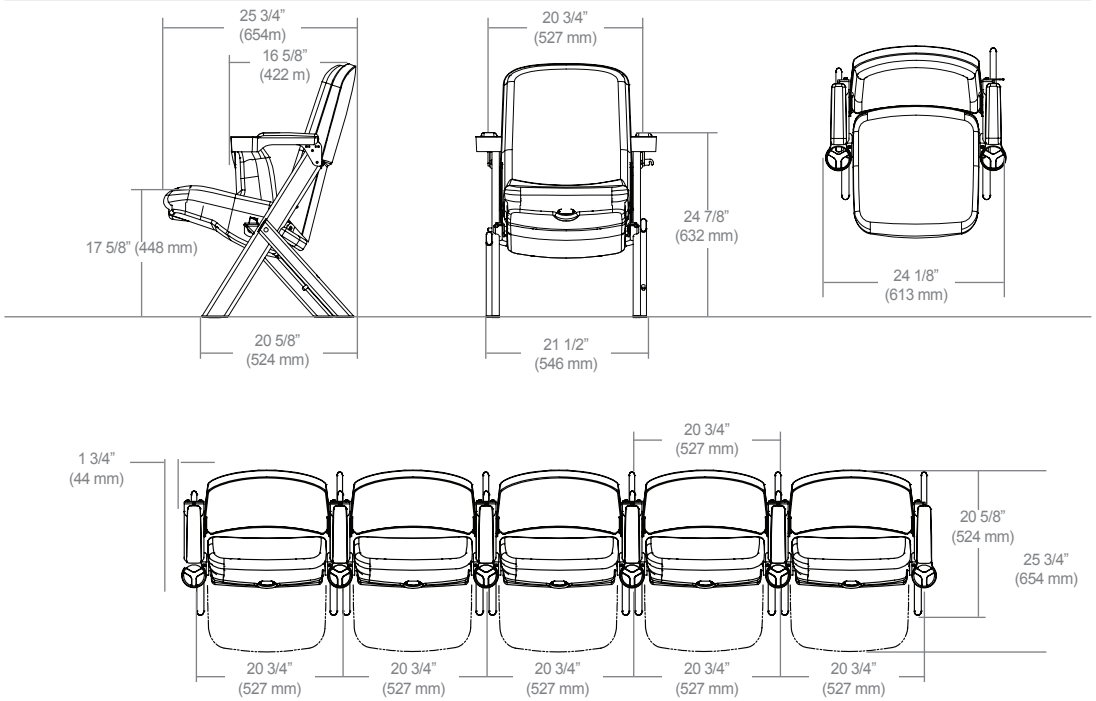
A°	B		C		D		H	
21°	31 1/2"	800 mm	16 1/4"	413 mm	23 1/8"	587mm	11 7/8"	302 mm
18°	31 7/8"	810 mm	15 3/8"	391 mm	22 1/4"	565mm	11"	279 mm
15°	32 1/4"	819 mm	14 1/2"	368 mm	21 3/8"	543mm	10 1/8"	257 mm
12°	32 1/2"	826 mm	13 5/8"	346 mm	20 1/2"	521mm	9 1/4"	235 mm

Polymer

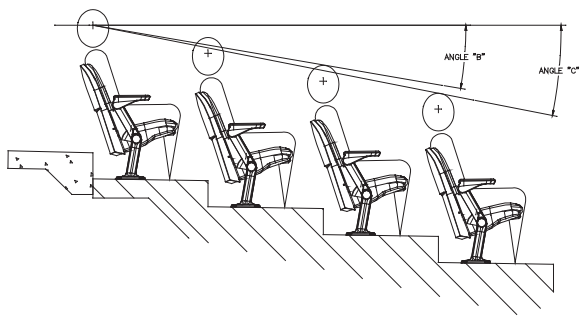
A°	B		C		D		H	
21°	31 1/4"	794 mm	17 1/4"	438 mm	24 1/2"	622 mm	12 7/8"	327 mm
18°	31 3/4"	806 mm	16 3/8"	416 mm	23 5/8"	600 mm	12 1/8"	308 mm
15°	32 1/8"	816 mm	15 5/8"	397 mm	22 7/8"	581 mm	11 1/4"	286 mm
12°	32 3/8"	822 mm	14 5/8"	371 mm	21 7/8"	556 mm	10 3/8"	264 mm

Maximum rise 24" (610 mm) | Minimum rise 6" (152 mm)

Stacking Quattro



Principle of Visibility



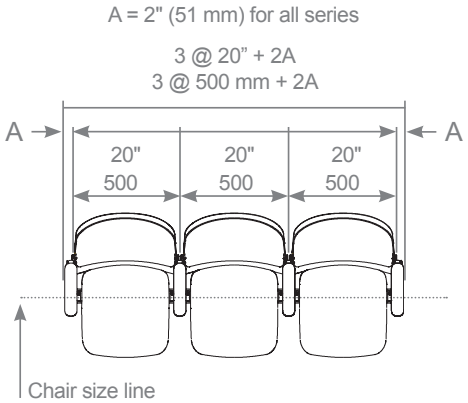
Angle B is commonly used in determining floor slope for auditorium, performing arts or theatre type seating configurations. When angle B profile is used in conjunction with staggered seating arrangement (chair staggered or alternated in arrangements of sizes opposite every other row) it allows unobstructed view of spectators to a determined focal point at the screen or stage. The final analysis is to have all sight lines intersect at the desired focal point.

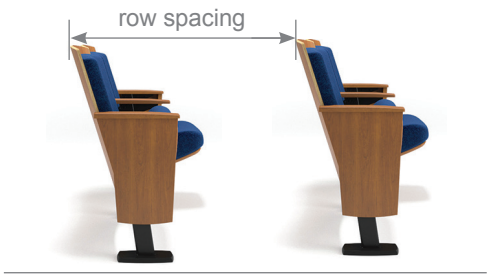
Angle C is most commonly used in determining riser or stepped applications for gymnasiums, arena or stadium type seating configurations. When angle B profile is used (generally associated with an aligned seating arrangement) it allows for unobstructed view of spectators to a determined focal point at court line or line of play. The final analysis is to have all the critical sightlines intersect the focal point or line of play at generally a maximum elevation of 4' (122).

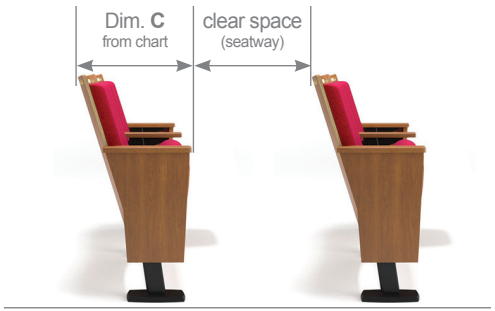
Seating Layout

Row Spacing (all Quattro series)

To help facilitate your design solution, calculate seating row lengths and row spacing by using the example below. Pick your chair series and width from the appropriate dimensional data, multiply by the number of chairs in the row and add A for each end.

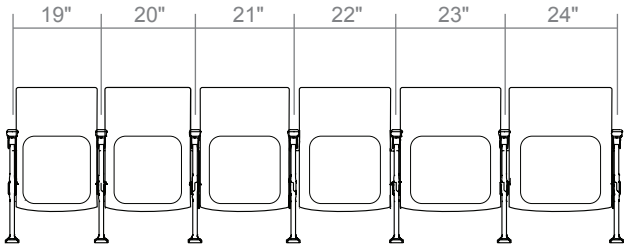




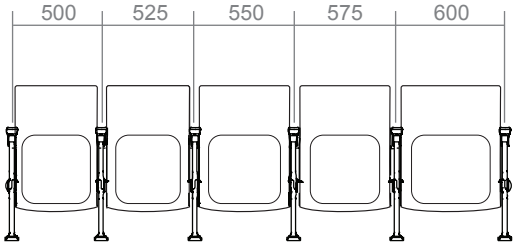


Seat Width Dimensional Data

U.S. Dimensions in inches



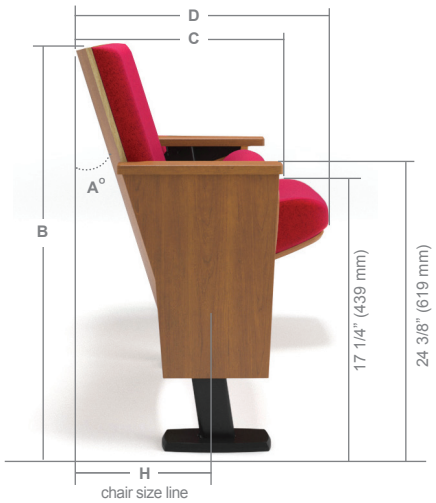
Metric Dimensions in millimeters (mm)



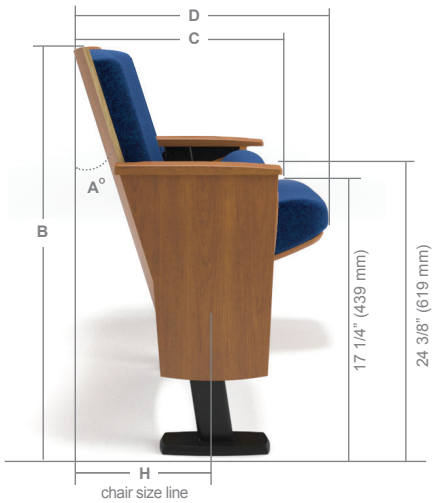
Dimensional Data

Linear and Radius Style Backs

Linear

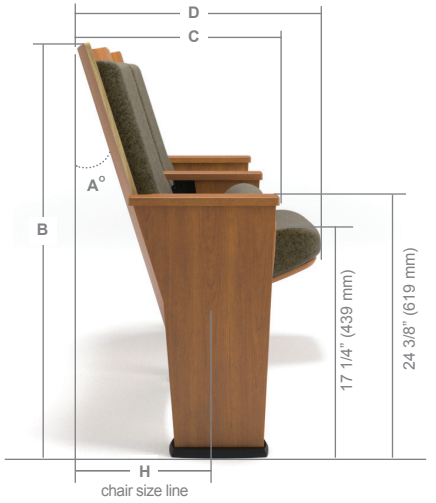


Radius

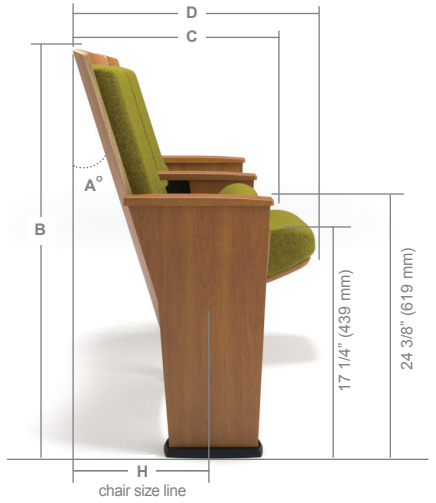


Linear and Radius Style Backs with Reveal

Linear with Reveal



Radius with Reveal



Linear and Radius Style Backs

Linear

A°	B		C		D		H	
21	33 7/8"	860 mm	19 3/4"	502 mm	27 3/4"	703 mm	15 3/8"	391 mm
18	34 1/4"	871 mm	18 7/8"	478 mm	26 3/4"	680 mm	14 1/2"	367 mm
15	34 3/4"	881 mm	17 7/8"	453 mm	25 3/4"	655 mm	13 1/2"	343 mm
12	35 1/8"	891 mm	16 5/8"	424 mm	24 5/8"	625 mm	12 3/8"	313 mm
21	36 7/8"	936 mm	20 7/8"	530 mm	28 7/8"	732 mm	16 1/2"	420 mm
18	37 3/8"	948 mm	19 3/4"	502 mm	27 3/4"	704 mm	15 3/8"	392 mm
15	37 3/4"	960 mm	18 5/8"	474 mm	26 5/8"	675 mm	14 1/4"	363 mm
12	38 1/4"	971 mm	17 1/4"	439 mm	25 1/4"	641 mm	13"	329 mm

Maximum rise 24" (610 mm) | Minimum rise 6" (152 mm)

Radius

A°	B		C		D		H	
21	33" 1/4"	846 mm	19 3/4"	502 mm	27 3/4"	703 mm	15 3/8"	391 mm
18	33 7/8"	859 mm	18 7/8"	478 mm	26 3/4"	680 mm	14 1/2"	367 mm
15	34 1/4"	871 mm	17 7/8"	453 mm	25 3/4"	655 mm	13 1/2"	343 mm
12	34 3/4"	883 mm	16 5/8"	424 mm	24 5/8"	625 mm	13"	329 mm
21	36 1/4"	922 mm	20 7/8"	530 mm	28 7/8"	732 mm	16 1/2"	420 mm
18	36 7/8"	936 mm	19 3/4"	502 mm	27 3/4"	704 mm	15 3/8"	392 mm
15	37 3/8"	949 mm	18 5/8"	474 mm	26 5/8"	675 mm	14 1/4"	363 mm
12	37 7/8"	963 mm	17 1/4"	439 mm	25 1/4"	641 mm	12 3/8"	313 mm

Maximum rise 24" (610 mm) | Minimum rise 6" (152 mm)

Reveal Linear and Radius Style Backs

Linear with Reveal

A°	B		C		D		H	
21	35 1/2"	900 mm	20 1/2"	519 mm	28 3/8"	721 mm	16 1/8"	409 mm
18	36"	913 mm	19 3/8"	493 mm	27 3/8"	695 mm	15"	382 mm
15	36 3/8"	925 mm	18 3/8"	466 mm	26 1/4"	667 mm	14"	355 mm
12	36 7/8"	937 mm	17"	433 mm	25"	635 mm	12 3/4"	323 mm
21	38 3/8"	976 mm	21 5/8"	548 mm	29 1/2"	749 mm	17 1/4"	437 mm
18	39"	991 mm	20 3/8"	517 mm	28 1/4"	719 mm	16"	407 mm
15	39 1/2"	1003 mm	19 1/8"	486 mm	27 1/8"	688 mm	14 3/4"	376 mm
12	40"	1016 mm	17 5/8"	449 mm	25 5/8"	650 mm	13 3/8"	338 mm

Maximum rise 24" (610 mm) | Minimum rise 6" (152 mm)

Radius with Reveal

A°	B		C		D		H	
21	34 7/8"	886 mm	20 1/2"	519 mm	28 3/8"	721 mm	16 1/8"	409 mm
18	35 1/2"	901 mm	19 3/8"	493 mm	27 3/8"	695 mm	15"	382 mm
15	36"	915 mm	18 3/8"	466 mm	26 1/4"	667 mm	14"	355 mm
12	36 5/8"	929 mm	17"	433 mm	25"	635 mm	12 3/4"	323 mm
21	37 7/8"	962 mm	21 5/8"	548 mm	29 1/2"	749 mm	17 1/4"	437 mm
18	38 1/2"	979 mm	20 3/8"	517 mm	28 1/4"	719 mm	16"	407 mm
15	39 1/8"	993 mm	19 1/8"	486 mm	27 1/8"	688 mm	14 3/4"	376 mm
12	39 3/4"	1009 mm	17 5/8"	449 mm	25 5/8"	650 mm	13 3/8"	338 mm

Maximum rise 24" (610 mm) | Minimum rise 6" (152 mm)