

SEATING CONCEPTS, LLC

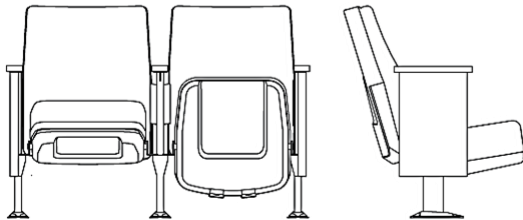
Product Specification

250 Series Multipurpose Platform - Type "C"

Revision: 2015-D

Revision date: December 2015

Document: 2821 102 02016 CP-MP250-03



Type C

250 Series – Type C features are:

- Varying back styles
- Fixed (no motion)
- Self-lifting seat return mechanism
- Dual pedestal design
- Armrests options:
 - Fixed
 - Retractable center armrest (optional)
 - Armless (with or without insert cushion - optional)

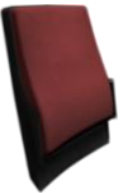



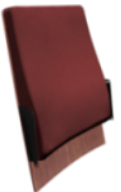



250 series components:

- **Steel** parts are die stamped or rolled, joined by MIG welding and steel hardware. All metal parts are finished with epoxy powder coating which offers optimum protection.
- **Wood** parts are available in a variety of standard stains and lacquers, giving them a distinctive touch (custom stains available at an additional cost).
- **Injected molded parts**, such as outer backs and cup holders, are made of high impact polypropylene.
- **Polyurethane** foams are manufactured to consistent physical properties which provide maximum comfort and comply with California Flammability TB 117.
- Chairs are **upholstered** with quality fabrics which comply with California Flammability TB 117.

Lifetime warranty on gravity seat return mechanism.

Five year warranty in material and workmanship.

Fabric warranty per mill's guarantee.

Back Style			
Contour		Lincoln	
Producer		Salem	
Performer		Hayes	
Legacy		Helix	



Models



Contour



Producer



Performer



Legacy



Lincoln



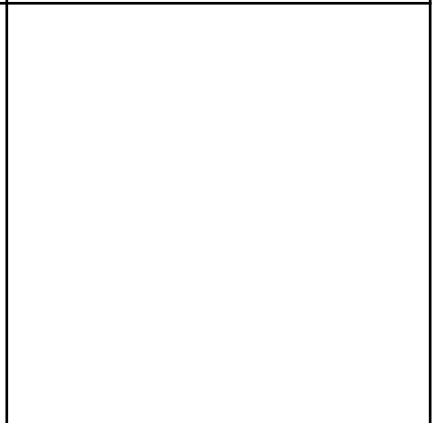
Salem

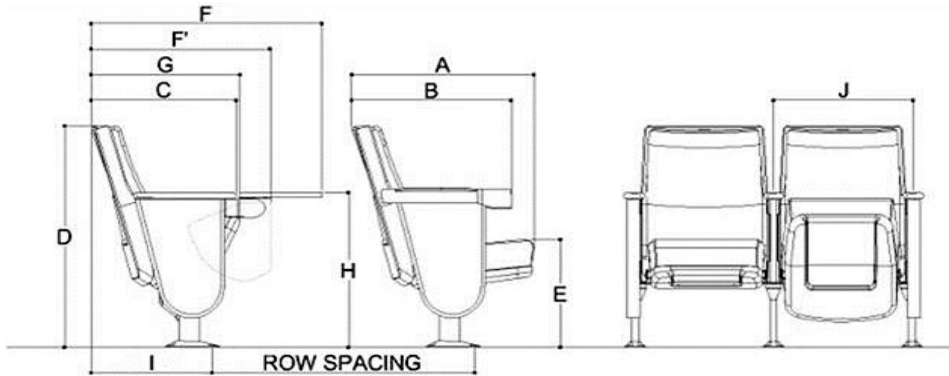


Hayes



Helix





MODELS: Contour/ Producer/ Performer / Lincoln / Salem / Hayes / Helix

	*Back Pitch mm [in]						Riser Height mm [in]	Size Line mm [in]
	34"			36"				Stationary
	19°	16°	13°	19°	16°	13°		
A	718 [28 1/4]	686 [27]	654 [25 3/4]	732 [28 7/8]	700 [27 1/2]	668 [25 3/8]	I. 127-203 [5-8]	318 [12 1/2]
B	610 [24]	578 [22 3/4]	549 [21 5/8]	624 [24 5/8]	592 [23 3/8]	563 [22 1/4]	II. 229-254 [9-10]	330 [13]
C	552 [21 3/4]	521 [20 1/2]	492 [19 3/8]	562 [22 1/8]	535 [21 1/8]	506 [19 7/8]	III. 279-305 [11-12]	350 [13 3/4]
D	845 [33 1/4]	864 [34]	876 [34 1/2]	894 [35 1/4]	910 [36]	925 [36 1/2]	IV. 330-356 [13-14]	362 [14 1/4]
E	470 [18 1/2]	470 [18 1/2]	470 [18 1/2]	470 [18 1/2]	470 [18 1/2]	470 [18 1/2]	V. 381-406 [15-16]	375 [14 3/4]
F	854 [33 5/8]	833 [32 3/4]	794 [31 1/4]	868 [34 1/4]	847 [33 3/8]	808 [31 3/4]	VI. 432-457 [17-18]	394 [15 1/2]
F'	686 [27]	648 [25 1/2]	616 [24 1/4]	700 [27 1/2]	662 [26 1/8]	630 [24 7/8]	VII. 483-508 [19-20]	406 [16]
G**	575 [22 5/8]	546 [21 1/2]	517 [20 3/8]	589 [23 1/8]	560 [22]	531 [20 7/8]	Wall	I + 1"
H	607 [23 7/8]	607 [23 7/8]	607 [23 7/8]	607 [23 7/8]	607 [23 7/8]	607 [23 7/8]		
I	476 [18 3/4]	448 [17 3/4]	418 [16 1/2]	490 [19 1/4]	462 [18 1/4]	432 [17]	Distance taken from the front hole of the shoe to the riser.	

* Contour, Performer and Helix backrests available on 36" height.

* All measurements presented have a tolerance of +/- 6.35 mm (1/4 in).

* Measurements were taken under the following conditions: standard seat on 90% return, rectangular armrest or plastic IISA cup holder and Oversize tablet arm.

** When using 100% seat return, use dimension B or C, depending armrest type.

Chair Type	(J) Chair Width mm [in]						Minimum Radius m [in]	Row Spacing m [in]	Option		
	489 [19 1/4]	508 [20]	533 [21]	559 [22]	584 [23]	609 [24]			Riser: (min. 8 [in] max. 18 [in])	Cantiliver	Slopes
Stationary	Y	Y	Y	Y	Y	Y	8.00 [315]	G + 12"	A	A	0, 2, 4, 6, R2, R4, R6 R = Reverse
Stationary w/ Tablet Arm	N	A	A	A	A	A	8.00 [315]	F' + 12"	A	A	
Retractable Armrest	N	N	A	A	A	A	8.00 [315]	G + 12"	A	N	
Armless	N	Y	A	A	A	A	8.00 [315]	G + 12"	A	N	

* Oval end panel (metal encased) requires an additional 12.7 mm (1/2 in) clearance at each end.

* When using insert cushion in armless option, a reduced seat size will apply.

* Slopes 6 and R6 available on fixed chairs and/or with 45% seat return.

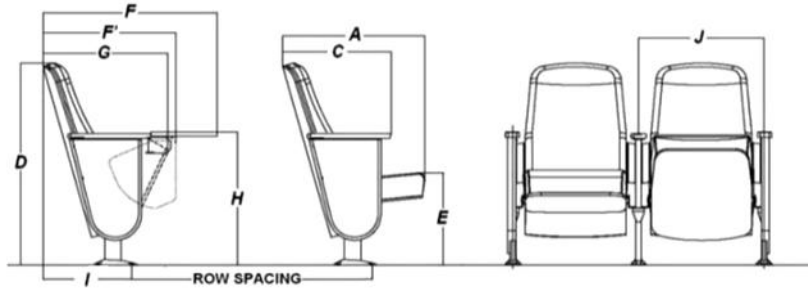
* Cantiliver stanchions can be installed on slopes 0 and 2 with oval end panel and on fixed chairs only.

Y= Standard

A = Additional Cost

N = Not Available

Specifications subject to change without notice



MODEL: Legacy

Back Pitch mm [in]									
34"			36"				38"		
	19°	16°	13°	19°	16°	13°	19°	16°	13°
A	750 [29 1/2]	718 [28 1/4]	699 [27 1/2]	762 [30]	737 [29]	711 [28]	775 [30 1/2]	750 [29 1/2]	724 [28 1/2]
C	588 [23 1/8]	557 [22]	537 [21 1/8]	600 [23 5/8]	575 [22 5/8]	549 [21 5/8]	613 [24 1/8]	588 [23 1/8]	562 [22 1/8]
D	850 [33 1/2]	862 [34]	874 [34 3/8]	897 [35 3/8]	912 [36]	924 [36 3/8]	951 [37 3/8]	966 [38]	979 [38 1/2]
E	470 [18 1/2]	470 [18 1/2]	470 [18 1/2]	470 [18 1/2]	470 [18 1/2]	470 [18 1/2]	470 [18 1/2]	470 [18 1/2]	470 [18 1/2]
*F	841 [33 1/8]	813 [32]	784 [30 7/8]	854 [33 5/8]	826 [32 1/2]	794 [31 1/4]	883 [34 3/4]	854 [33 5/8]	826 [32 1/2]
*F'	622 [24 1/2]	593 [23 3/8]	563 [22 1/4]	670 [26 3/8]	641 [25 1/4]	610 [24]	699 [27 1/2]	670 [26 3/8]	641 [25 1/4]
G	603 [23 3/4]	572 [22 1/2]	552 [21 3/4]	615 [24 1/4]	590 [23 1/4]	564 [22 1/4]	628 [24 3/4]	603 [23 3/4]	577 [22 3/4]
H	607 [23 7/8]	607 [23 7/8]	607 [23 7/8]	607 [23 7/8]	607 [23 7/8]	607 [23 7/8]	607 [23 7/8]	607 [23 7/8]	607 [23 7/8]
I	510 [20 1/8]	479 [18 7/8]	459 [18 1/8]	522 [20 5/8]	497 [19 5/8]	471 [18 1/2]	535 [21]	510 [20 1/8]	484 [18 1/8]
* All measurements presented have a tolerance of +/- 6.35 mm (1/4 in). • Measurements were taken under the following conditions: standard seat at 90° return, rectangular armrest and Oversize tablet arm. ** When using 100% seat return, use dimension B or C, depending armrest type.						Riser Height mm [in]		Size Line mm [in]	
								Stationary	
						I. 127-203 [5-8]		335 [13 1/4]	
						II. 229-254 [9-10]		348 [13 3/4]	
						III. 279-305 [11-12]		362 [14 1/4]	
						IV. 330-356 [13-14]		375 [14 3/4]	
						V. 381-406 [15-16]		390 [15 3/8]	
						VI. 432-457 [17-18]		404 [15 7/8]	
VII. 483-508 [19-20]		418 [16 1/2]							
Wall		+1"							
Distance taken from the front hole of the shoe to the riser.									

Chair Type	(J) Chair Width mm [in]					Minimum Radius m [in]	Row Spacing m [in]	Option		
	489 [19 1/4]	508 [20]	533 [21]	559 [22]	584 [23]			Riser (min. 8 [in] max. 18 [in])	Cantiliver	Slopes
Stationary	Y	Y	Y	Y	Y	8.00 [315]	G + 12"	Y	Y	0, 2, 4, 6, R2, R4, R6 R = Reverse
Stationary w/ Tablet Arm	N	A	A	A	A	8.00 [315]	F' + 12"	Y	Y	
Retractable Armrest	N	N	A	A	A	8.00 [315]	G + 12"	Y	N	
Armless	N	A	A	A	A	8.00 [315]	G + 12"	Y	N	

*Oval end panel (metal encased) requires an additional 12.7 mm (1/2 in) clearance at each end.
 *When using insert cushion in armless option, a reduced seat size will apply.
 *Slopes 6 and R6 available on fixed chairs and/or with 45% seat return.
 *Cantiliver stanchions can be installed on slopes 0 and 2 with oval end panel and on fixed chairs only.

Y= Standard

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Back											Restrictions
Model	Chair Type			Foam		Outer Back		Base			<ul style="list-style-type: none"> Wood finish outer backs require wood inner base. Helix back model available with or without lumbar support.
	Stationary	Stationary w/Tablet Arm	Retractable Armrest	Molded 55 [Kg/m ³]	Open Cell 24 N	Plastic	Wood ^{1,2}	Wood	Plastic	Metal	
Contour	Y	Y	Y	Y	N	Y	N	Y	N	N	
Producer	Y	Y	Y	Y	N	Y	N	Y	N	N	
Performer	Y	Y	Y	Y	N	N	Y*	Y*	N	N	
Legacy	Y	Y	Y	Y	N	N	Y*	Y*	N	N	
Lincoln	Y	N	N	Y	N	N	Y*	Y*	N	N	
Salem	Y	N	N	Y	N	N	Y*	Y*	N	N	
Hayes	Y	N	N	Y	N	N	Y*	Y*	N	N	
Helix	Y	Y	Y	Y	N	A	A	A	N	N	

Seat										Restrictions
Model Back	Seat Return			Seat Pan Cover				Molded Foam 60 [Kg/m ³]		<ul style="list-style-type: none"> Seats will be reduced by one size when using tablet arms and/or retractable armrests. Counterbalance tip up mechanisms is made of steel strip of 3/8" x 1 1/2". Optional seat return activated by high resistance elastomer (torselastik) only for plastic seat pan. For retractable armrest, 100% seat return is not available. Seat cover with cinch tie for easy maintenance.
				Plastic		Wood ^{1,2,4}				
	45%	90%	100%	Normal	Acoustic	Normal	Acoustic	Standard	Waterfall	
Contour	Y	Y	Y	Y	A	N	N	Y	Y	
Producer	Y	Y	Y	Y	A	N	N	Y	Y	
Performer	Y	Y	Y	Y	A	A	A	Y	Y	
Legacy	Y	Y	Y	Y	A	Y	A	Y	Y	
Lincoln	Y	Y	Y	N	N	Y	A	Y	Y	
Salem	Y	Y	Y	N	N	Y	A	Y	Y	
Hayes	Y	Y	Y	N	N	Y	A	Y	Y	
Helix	Y	Y	Y	Y	A	Y	A	Y	Y	



Armrest Configuration				Restrictions
Model	Fixed	Retractable Armrest	Armless	
Contour	Y	Y	Y	<ul style="list-style-type: none"> Retractable wood armrests, available from 21" to 24" widths. And with plastic cup holder, available from 23" to 24". Retractable armrest available with or without seat inserts. Armless option available from 21" to 24" width chair. Width of 20" is available only with reduced seat size.
Producer	Y	Y	Y	
Performer	Y	Y	Y	
Legacy	Y	Y	Y	
Lincoln	Y	N	N	
Salem	Y	N	N	
Hayes	Y	N	N	
Helix	Y	Y	Y	

Aisle Panels														Restrictions
Model	Oval ^{1,2,4}	Rectangular Full Length ^{1, 2,4}	Rectangular ^{3/4} Length ^{1, 2, 4}	Trapezoid Full Length ^{1, 2, 4}	Trapezoid ^{3/4} Length ^{1, 2, 4}	Oval Rounded Edge ^{3/4} ^{1, 2, 4}	ADA (retractable armrest)	Palace (die cast)	Swing Away (Oval and Palace)	Swoosh ^{2, 4}	Concave Full Length ^{2, 4}	Solid Wood End Panels *	MDF End Panels	
		501	502	503	504	505	515	560	509	570-572	521	522	517-520	550-553
Contour	Y	Y	Y	Y	Y	Y	Y	A	A	A	A	A*	A	A
Producer	Y	Y	Y	Y	Y	Y	Y	A	A	A	A	A*	A	A
Performer	Y	Y	Y	Y	Y	Y	Y	A	A	A	A	A*	A	A
Legacy	Y	Y	Y	Y	Y	Y	Y	A	A	A	A	A*	N	A
Lincoln	Y	Y	Y	Y	Y	N	Y	A	A	A	A	A*	N	A
Salem	Y	Y	Y	Y	Y	N	Y	A	A	A	A	A*	N	A
Hayes	Y	Y	Y	Y	Y	N	Y	A	A	A	A	A*	N	A
Helix	Y	Y	Y	Y	Y	Y	Y	A	A	A	A	A*	A	A

It is not permitted:

- Cup holder for ADA end panel for chair widths under 21".
- Cast end panels: Palace (509) and end panels (573, 574, 575, 576) with tablet arm or cup holder.
- Use of MDF end panels for Swing away type.
- Solid wood, oval round edge (554), rectangular to ^{3/4}" (550), rectangular to the floor (551), trapezoidal to ^{3/4}" (552) and trapezoidal to the floor (553) as a swing away type.

Y= Standard

A = Additional Cost

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Specifications subject to change without notice



Armrests and Cup Holders														Restrictions
Chair Type	Component	Component												
		Rectangular ^{2, 4}	Radius (wood) ⁴	Radius (polyurethane)	Curve (wood) ⁴	Dome ⁴	Scroll ⁴	Curve (polyurethane)	Fully Upholstered	15" IISA Cup holder	18" IISA Cup holder	15" SC Cup holder	18" SC Cup holder	
Stationary	Center	201	202	203	204	206	207	210	201	216	216	217	217	<ul style="list-style-type: none"> Curve polyurethane armrest will be shortened when using tablet arms. <i>It is not permitted:</i> <ul style="list-style-type: none"> Curved polyurethane armrest in: <ul style="list-style-type: none"> Retractable armrest (love seat). Oval aisle panel in 19 in width. Concave full length end panel 522. Cup holder: <ul style="list-style-type: none"> 18" on center standards. On Cast iron end panels (509, 573, 574, 575, 576). On ADA for 21" onward. SC cup holder on metal encased end panels (501, 502, 503, 504, 505). On Concave full length end panel. On stationary chair types for widths under 21". Scroll armrest with Concave full length end panel (522).
	Aisle	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	
Stationary w/ Tablet Arm	Center	Y	Y	Y	N	N	N	Y	Y	N	N	N	N	
	Aisle	Y	Y	Y	N	N	N	Y	Y	N	N	N	N	
Retractable Armrest	Center	Y	Y	Y	N	N	N	N	Y	Y	N	Y	N	
	Aisle	Y	Y	Y	N	N	N	N	Y	N	Y	N	Y	

Accessories														Restrictions
Chair Type	Component	Component												
		Standard Tablet (84.5 in ²) 19mm [3/4"] thick ²	Oversize Tablet (109 in ²) 19mm [3/4"] thick ²	Graduate Tablet (151 in ²) 13mm [1/2"] thick ²	Number and Letter Plates	Book Racks	Envelope Holder	Lights On Armrest	Lights On End Panel	Movable Base	Electric Data Port	Embroidery	Shadow Box ¹	
Stationary	Back	N	N	N	N	A	A	N	N	N	N	A	N	<ul style="list-style-type: none"> Seats will be reduced by one size when using tablet arms. Electric data port is available on widths over 21" with a maximum slope 4. Shadow Box only available on fixed centers and cannot use tablet arms neither plastic arms.. Retractable ADA armrest available with Tivoli button light only (if required). Light strip is not available with cup holder. It is available with wood or polyurethane armrests. <i>It is not permitted:</i> <ul style="list-style-type: none"> Tablet arm with cup holder. Tablet arm on ADA end panel. Cup holder and/or tablet arm on Palace end panel.
	Seat	N	N	N	A	A	N	N	N	N	N	N	N	
	Center	N	N	N	A	N	A	N	N	A	A	N	A	
	Aisle	N	N	N	A	N	N	A	A	A	A	N	N	



Accessories														Restrictions
Chair Type	Component													
		Standard Tablet (84.5 in ²) 19mm [3/4"] thick ²	Oversize Tablet (109 in ²) 19mm [3/4"] thick ²	Graduate Tablet (151 in ²) 13mm [1/2"] thick ²	Number and Letter Plates	Book Racks	Envelope Holder	Lights On Armrest	Lights On End Panel	Movable Base	Electric Data Port	Embroidery	Shadow Box ¹	
Stationary w/ Tablet Arm	Back	N	N	N	N	A	N	N	N	N	N	A	N	
	Seat	N	N	N	A	A	N	N	N	N	N	N	N	
	Center	Y	Y	Y	A	N	N	N	N	A	A	N	N	
	Aisle	Y	Y	Y	A	N	N	A	N	A	A	N	N	
Retractable Armrest	Back	N	N	N	N	A	A	N	N	N	N	A	N	
	Seat	N	N	N	A	N	N	N	N	N	N	N	N	
	Center	N	N	N	A	N	A	N	N	A	N	N	N	
	Aisle	N	N	N	A	N	N	A	A	A	N	N	N	

Materials	
<p>Metal Components parts (SAE 1010 0 1018):</p> <ul style="list-style-type: none"> • 1" x 3" (25mm x 76mm) rectangular tube structure. • Sheet metals (vary). <p>Wood Components:</p> <ul style="list-style-type: none"> • Plywood (panels) • Hardwood (armrests) 	<p>Others:</p> <ul style="list-style-type: none"> • High impact polypropylene copolymer (seat frame, outer back) • Polyurethane (foam-meets California Bulletin 117) • High grade fabrics (meets California Bulletin 117) • Powder coat paints (meets ASTM and qualicoat standards) • Zamac (meets ASTM B 86-04).
<p><u>General Finishes</u></p> <p>¹Fully Upholstered / ² Plastic Laminate / ³ Painted / ⁴ Stained</p>	