

SPECTRUM CHAIR MODIFICATIONS

HEIGHT Gaslift / strut	FIT Seat width and depth	PRESSURE Foam, contour and cut-out	SUPPORT Lumbar, backrest and slide
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SEAT HEIGHT	Standard Spectrum reference: 415mm to 545mm		
OPTION / CHANGE	WHAT IT CHANGES	CLINICAL CONSIDERATIONS	
Low lift gas strut 380mm to 500mm	Lowers the available seat-height range.	Consider for shorter users or where the standard chair cannot lower enough for feet to be fully supported. Confirm desk clearance and armrest height.	
Mid lift gas strut 495mm to 670mm	Provides an intermediate range above standard/low seating and below high lift.	Useful where the required working height sits between standard desk seating and a high bench.	
High lift gas strut 575mm to 825mm	Raises the chair for elevated work surfaces, includes an adjustable footring.	For counters, laboratories and high work surfaces. Feet must be supported; assess transfer height, base stability and safe access/egress.	
Static strut	Removes the chair's swivel movement so the seat and backrest do not rotate on the base.	Consider where rotation causes dizziness, motion sensitivity, reduced confidence or difficulty maintaining position. The chair can still move on its castors unless glides or braking castors are selected separately	

HEAVY-USER MODEL	A complete reinforced chair specification—not simply a seat or gas-strut upgrade.		
OPTION / CHANGE	WHAT IT CHANGES	CLINICAL CONSIDERATIONS	
Spectrum 200 Up to 200 kg	Purpose-built Spectrum model with upgraded components, heavy-duty reinforced gaslift, 2-lever mechanism, large 60 mm castors and a 520 W × 520 D mm seat.	For users requiring a recommended maximum user weight up to 200 kg. Seat height is 415–545 mm and maximum base width including castors is 800 mm. Assess seat fit, access clearances and transfer requirements as well as weight capacity.	

SEAT SIZE	Standard Spectrum reference: 470 mm wide × 480 mm deep.		
OPTION / CHANGE	WHAT IT CHANGES	CLINICAL CONSIDERATIONS	
Small seat 450 W × 440 D mm	Reduces both seat width and depth.	For a smaller frame or shorter femur length. Aim for pelvic support without excessive side space and approximately 2–3 finger widths behind the knee.	
Long seat 470 W × 520 D mm	Adds 40 mm depth while retaining standard width.	For longer thigh length where the standard seat ends too far behind the knee. Avoid pressure at the popliteal area.	
Wide seat 520 W × 480 D mm	Adds 50 mm width while retaining standard depth.	For more hip/thigh clearance without adding depth. Check that armrests, if fitted, remain usefully positioned.	
Long/Wide seat 520 W × 520 D mm	Adds both width and depth.	For a broader frame with longer thigh length. Confirm base size, desk access and that the user can sit fully back against the lumbar support.	

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ADDITIONAL SEAT SIZES

OPTION / CHANGE	WHAT IT CHANGES	CLINICAL CONSIDERATIONS
Extra-long seat 470 W × 550 D mm	Adds more depth than the standard long seat.	For very long thigh length. Trial is strongly recommended: too much depth can prevent the pelvis reaching the backrest or compress behind the knees.
Extra-wide seat 620W x 500D mm	Provides substantially greater width than the standard wide seat.	For significant hip/thigh clearance needs. Confirm the selected seat dimensions, compatible base, arm position, access width and complete-chair weight rating.
Flat seat	Replaces the pronounced Spectrum seat contour with a flatter sitting surface.	May suit clients whose pelvic shape, asymmetry, pain, orthosis or cushion is aggravated by raised side contours. A flatter seat generally provides less lateral positioning.

COMFORT & PRESSURE

These options alter foam compliance or local pressure distribution; they do not replace pressure-injury assessment.

OPTION / CHANGE	WHAT IT CHANGES	CLINICAL CONSIDERATIONS
Super-soft seat	Uses softer seat foam with greater immersion than the standard seat.	Consider for sit-bone, pelvic or general seating sensitivity. Check that the user does not bottom out, feel unstable, or require excessive effort for sit-to-stand.
Coccyx cut-out	Creates a relief area at the rear centre of the seat to reduce direct contact beneath the coccyx.	May suit localised coccyx pain when pressure location is confirmed. Check pelvic alignment and ensure the edge of the cut-out does not create a new pressure point.

ADJUSTABILITY & BACK SUPPORT

Useful when a fixed chair dimension cannot provide the required support across tasks or postures.

OPTION / CHANGE	WHAT IT CHANGES	CLINICAL CONSIDERATIONS
Seat slide	Allows the seat depth to move forward/back and lock in different positions.	Useful for fine-tuning thigh support, shared use, or changing posture. Set so the user can reach the backrest without pressure behind the knees.
Inflatable lumbar support	Adds an adjustable air cell within the lumbar area; firmness/projection is changed with a hand pump.	For clients needing more or less lumbar prominence across the day. Inflate gradually and review comfort—more pressure is not always better.
Extended backrest	Extends the backrest mounting range so lumbar/back support can be positioned higher.	Consider for taller users when the standard backrest cannot reach the required lumbar level. This changes backrest position, not the backrest pad size.

Clinical note: Select the smallest modification set that achieves supported feet, appropriate seat depth/width, neutral pelvic positioning and usable desk access. Combining options can change overall seat height, base requirements and armrest relationship.