



Shaping Better Lives

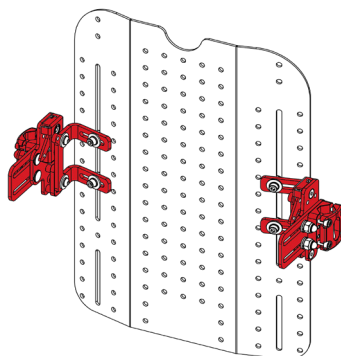
## SPEX APPENDIX



## BACK SUPPORT HARDWARE

### Single Mount

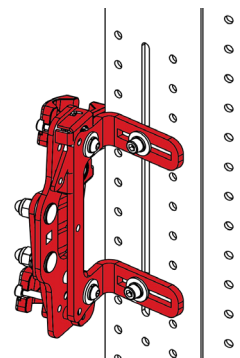
Preferred maximum back height of 18". Angle adjustment of up to 26°.



When ordered with back support 1259-2100-100  
Complete hardware set only 1259-2130-100

### Dual Mount

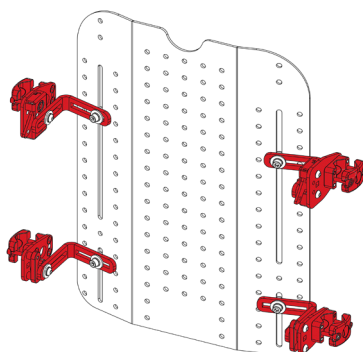
Unsuitable for chairs with back brace between canes. Angle adjustment of up to 22°.



When ordered with back support 1259-2200-100  
Complete hardware set only 1259-2230-100

### Quad Mount Quick Release

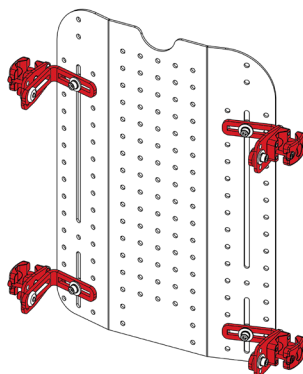
Default back support hardware on all back supports. Angle adjustment of up to 13°.



When ordered with back support 1259-2400-100  
Complete hardware set only 1259-2430-100

### Quad Mount Fixed

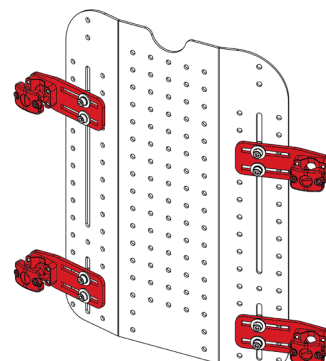
Fully adjustable, non-removable back support hardware.



When ordered with back support 1259-2470-100  
Complete hardware set only 1259-2480-100

### Direct Mount

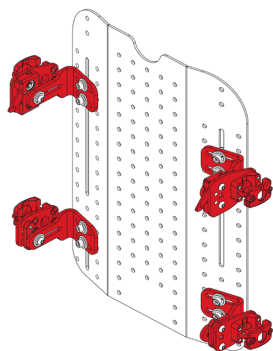
Width adjustable only, non-removable back support hardware.



When ordered with back support 1259-2460-100  
Complete hardware set only 1259-2465-100

### Quad Mount Heavy Duty

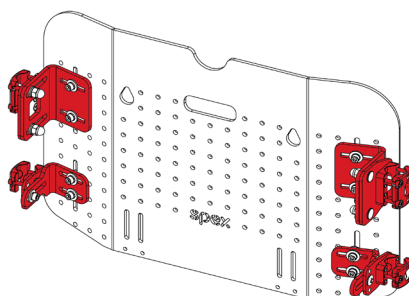
Required hardware for back supports over 20" wide and/or over 23" high and/or users who exert high loads on their seating.



When ordered with back support 1259-2405-100  
Complete hardware set only 1259-2435-100

### XLella Fixed

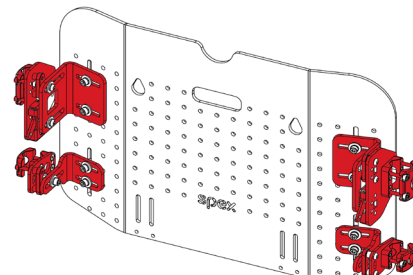
Bariatric hardware with weight capacity of up to 300 kg. Default choice for use with XLella Back Supports.



When ordered with back support 1259-2500-100  
Complete hardware set only 1259-2530-100

### XLella Quick-Release

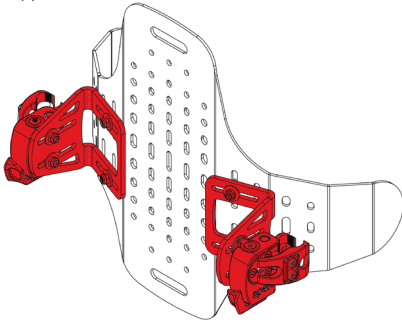
Bariatric hardware with weight capacity of up to 300 kg. Allows easy removal of XLella Back Support from the wheelchair.



When ordered with back support 1259-2505-100  
Complete hardware set only 1259-2535-100

## Drop Mount

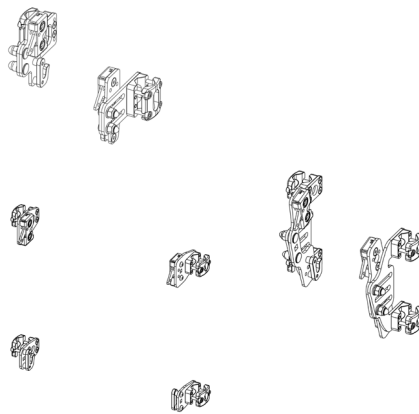
Drop-in hardware for active and lightweight back supports



Paediatric: 1259-1400-00P  
Small: 1259-1400-00S  
Medium: 1259-1400-00M  
Large: 1259-1400-00L

## BACK SUPPORT HARDWARE ACCESSORIES

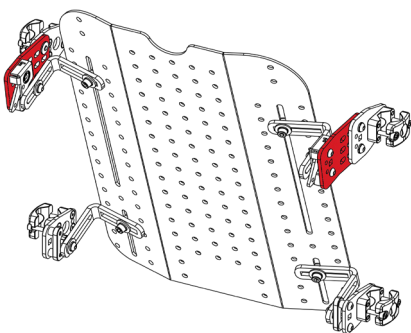
## Hardware Sets for 2nd Chair



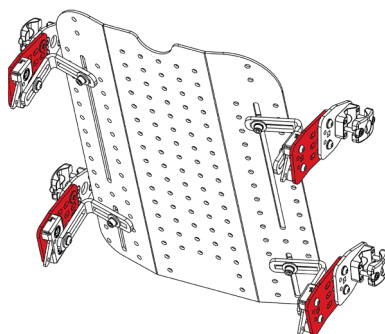
Single Mount set for second chair 1259-2120-100  
Dual Mount set for second chair 1259-2220-100  
Quad Mount set for second chair 1259-2420-100

## Quad Mount Recline/Depth Extensions

Extension plates available for quad mount back support hardware.



Add one set to increase back angle by 10°  
1259-2450-100



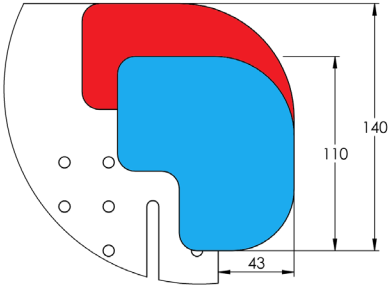
Add a pair to increase seat depth by 60mm  
1259-2452-100

BACK SUPPORTS

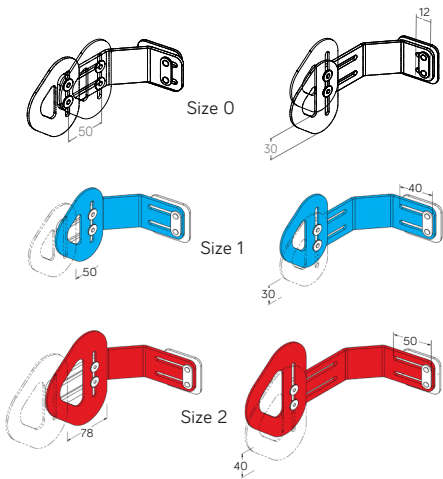


T & Surface/I shape plates

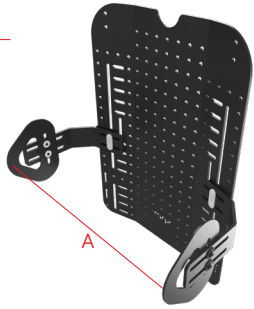
When ordering a T or Surface/I shape back support, the standard plates used are shown.  
Plates shown in blue = 10" - 15" back support  
Plates shown in red = 16"+ back support



Manta Wing Sizes



Manta Fitting



Manta Back Support Size	Lateral Wings	Max. Internal Width (A)	Min. Internal Width (A)
10-12"	Size 0	Scripted Back Width -3.5" (e.g. 12" Manta = 8.5")	Scripted Back Width -4.5" (e.g. 12" Manta = 7.5")
13-15"	Size 1	Scripted Back Width -2" (e.g. 14" Manta = 12")	Scripted Back Width -5" (e.g. 14" Manta = 9")
16"+	Size 2	Scripted Back Width -1.5" (e.g. 16" Manta = 14.5")	Scripted Back Width -5" (e.g. 16" Manta = 11")



## BACK SUPPORT CUSTOM SIZES

Medifab is proud to offer a large range of back supports and we seek to make ordering as simple as possible. Here we provide you the information you'll need to ensure you understand the product you will receive when ordering back supports.

All back support styles have varying ranges of 'standard' sizes, all listed in the script form. When successful seating outcomes cannot be achieved with standard size products, our custom options (XX, 2929 and 2939 codes) come into play.

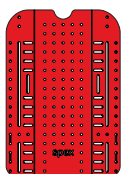
Our straight style shell is shared between Spex, SuperShape, Comfi, Manta and Vigour Hi back supports. The below table shows which sizes are available using custom height XX codes, and when you need to use the 2929 and 2939 codes.

A Standard Shell does not necessarily mean a standard back support size. For example 16x16 is a standard SuperShape size, but custom for all other back support styles.

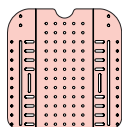
While some custom sizes can be achieved by modifying our standard shells, we have created the Adaptable style shell which can be used to cover a large range of heights, without affecting use of attachment hardware.

*Remember, the below table refers to shells only. The code to be used depends on which codes are provided in the script form. For example 21" and wider backrests come under the 2939 code as there are not 21XX, 22XX or 24XX codes.*

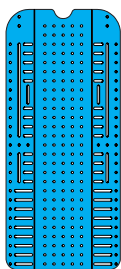
Width	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Height Range	8-20	8-20	8-20	11-23	9-28	11-28	11-28	11-28	13-28	13-28	13-28	15-28	12-25	Custom	12-25	Custom	12-25	Custom	16-21



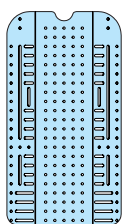
**Standard Shell**  
Standard code or XX code depending on back support style



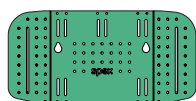
**Manufactured using Standard Shell**  
Achieved by removing lower slot section



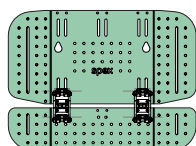
**Adaptable Shell**  
Lower section will fit standard hardware, but the vertical slots are not full length)



**Manufactured using Adaptable Shell**  
Lower section removed depending on height ordered



XLella



XLella 2



Custom Shell Design for up to 20" Wheelchair Width  
Increased cost and lead time

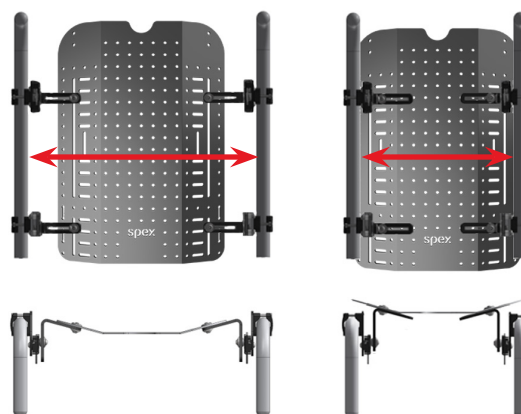


Custom Shell Design for up to 25" Wheelchair Width  
(Increased cost and lead time)

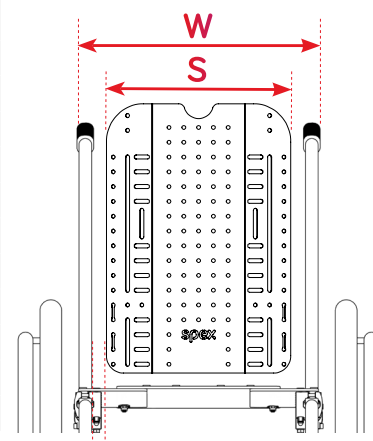
## WHEELCHAIR BACK SUPPORT COMPATIBILITY

Back Support Width (inch)	Quad Mount Fixed	Single Mount	Dual Mount
	No Extensions	No Extensions	No Extensions
10	10, 11	10, 11, 12	10, 11
11	10, 11, 12	11, 12, 13	11, 12
12	10, 11, 12, 13	12, 13, 14	12, 13
13	11, 12, 13, 14	13, 14, 15	13, 14
14	12, 13, 14, 15	14, 15, 16	14, 15
15	13, 14, 15, 16	15, 16, 17	15, 16
16	14, 15, 16, 17	16, 17, 18	16, 17
17	15, 16, 17, 18	17, 18, 19	17, 18
18	16, 17, 18, 19	18, 19, 20	18, 19
19	17, 18, 19, 20	19, 20, 21	19, 20
20	18, 19, 20, 21	20, 21, 22	20, 21
22	20, 21, 22, 23	22, 23, 24	22, 23

Back Support Width (inch)	No Extensions	With Depth Extensions only	Horizontal Inner Slots used
10	10, 11, 12	11, 12	N/A
11	11, 12, 13	11, 12, 13	N/A
12	12, 13, 14	12, 13, 14	11
13	13, 14, 15	13, 14, 15	11, 12
14	14, 15, 16	14, 15, 16	12, 13
15	15, 16, 17	15, 16, 17	12, 13, 14
16	16, 17, 18	16, 17, 18	13, 14, 15
17	17, 18, 19	17, 18, 19	14, 15, 16
18	18, 19, 20	18, 19, 20	15, 16, 17
19	19, 20, 21	19, 20, 21	16, 17, 18
20	20, 21, 22	20, 21, 22	17, 18, 19
22	22, 23, 24	22, 23, 24	19, 20, 21

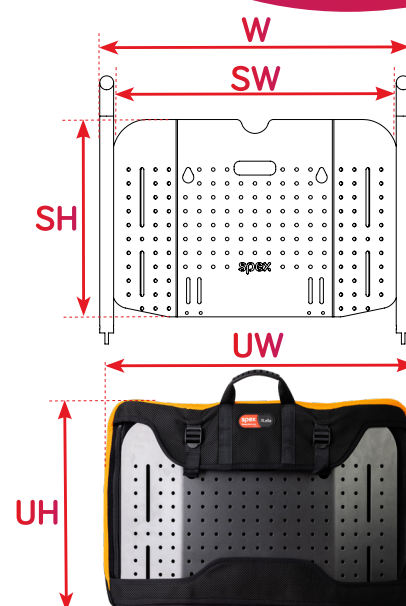


Back Support Size	Typically used with Wheelchair (W) (see charts above)		Shell Width (S)		Spex, Vigour & Comfi Padding Width	SuperShape Padding Width
10"	22.5 - 30 cm	10-11"	16 cm	6.25"	8.5"	9"
11"	22.5 - 30 cm	10-11"	18 cm	7.25"	9.5"	10"
12"	30 - 34.5 cm	12-13"	21 cm	8.25"	10.5"	11"
13"	30 - 34.5 cm	12-13"	23 cm	9.25"	11.5"	12"
14"	34.5 - 39 cm	14-15"	26 cm	10.25"	12.5"	13"
15"	34.5 - 39 cm	14-15"	29 cm	11.25"	13.5"	14"
16"	39 - 44 cm	16-17"	31 cm	12.25"	14.5"	15"
17"	42 - 46.5 cm	17-18"	33.5 cm	13.25"	15.5"	16"
18"	44 - 49 cm	18-19"	36 cm	14.25"	16.5"	17"
19"	44 - 49 cm	18-19"	39 cm	15.25"	17.5"	18"
20"	49 - 53.5 cm	20-21"	41 cm	16.25"	18.5"	19"



## XLELLA BACK SUPPORT COMPATIBILITY

Compatible Wheelchair Width - XLella						
Back Support Width	Quick Release Hardware			Fixed Mount Hardware		
	22"	22"	23"	24"	21"	22"
	24"	24"	25"	26"	23"	24"
	26"	26"	27"	28"	25"	26"
	28"	28"	29"	30"	27"	29"



## XLella Vigour / Classic Size Guide

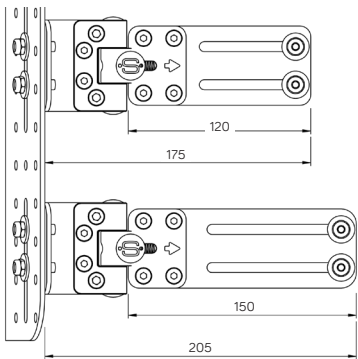
XLella Vigour Code	XLella Classic Code	WC Width (W)	Back Support Height	Upholstery Height (UH)	Upholstery Width (UW)	Shell Width (SW)	Shell Height (SH)
1258-2212-00H	1258-2212-0SS	22"	12"	12.5" 320mm	23" 585mm	20" 510mm	10" 255mm
1258-2216-00H	1258-2216-0SS		16"	16.5" 420mm	23" 585mm	20" 510mm	14" 355mm
1258-2220-00H	1258-2220-0SS		20"	20.5" 520mm	23" 585mm	20" 510mm	18" 455mm
1258-2412-00H	1258-2412-0SS	24"	12"	12.5" 320mm	25" 635mm	22" 560mm	10" 255mm
1258-2416-00H	1258-2416-0SS		16"	16.5" 420mm	25" 635mm	22" 560mm	14" 355mm
1258-2420-00H	1258-2420-0SS		20"	20.5" 520mm	25" 635mm	22" 560mm	18" 455mm
1258-2612-00H	1258-2612-0SS	26"	12"	12.5" 320mm	27" 685mm	24" 610mm	10" 255mm
1258-2616-00H	1258-2616-0SS		16"	16.5" 420mm	27" 685mm	24" 610mm	14" 355mm
1258-2620-00H	1258-2620-0SS		20"	20.5" 520mm	27" 685mm	24" 610mm	18" 455mm
1258-2816-00H	1258-2816-0SS	28"	16"	16.5" 420mm	29" 735mm	26" 660mm	14" 355mm

## XLella<sup>2</sup> Size Guide

XLella <sup>2</sup> Code	WC Width (W)	Back Support Height	1. Top Section Length	2. Lower Section Length	Upholstery Height (UH)	Upholstery Width (UW)	Shell Width (S)
1258-2217-200	22"	17"	10.5" 270mm	7" 175mm	17.5" 445mm	23" 585mm	20" 510mm
1258-2221-200		21"	14.5" 370mm	7" 175mm	21.5" 545mm	23" 585mm	20" 510mm
1258-2225-200		25"	18.5" 470mm	7" 175mm	25.5" 645mm	23" 585mm	20" 510mm
1258-2417-200	24"	17"	10.5" 270mm	7" 175mm	17.5" 445mm	25" 635mm	22" 560mm
1258-2421-200		21"	14.5" 370mm	7" 175mm	21.5" 545mm	25" 635mm	22" 560mm
1258-2425-200		25"	18.5" 470mm	7" 175mm	25.5" 645mm	25" 635mm	22" 560mm
1258-2617-200	26"	17"	10.5" 270mm	7" 175mm	17.5" 445mm	27" 685mm	24" 610mm
1258-2621-200		21"	14.5" 370mm	7" 175mm	21.5" 545mm	27" 685mm	24" 610mm
1258-2625-200		25"	18.5" 470mm	7" 175mm	25.5" 645mm	27" 685mm	24" 610mm
1258-2821-200	28"	21"	14.5" 370mm	7" 175mm	21.5" 545mm	29" 735mm	26" 660mm

LATERAL SUPPORTS

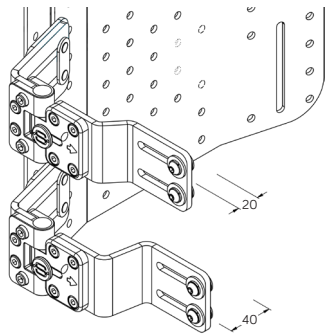
Straight Lateral Dimensions



Swing-away, straight 1266-2201-100  
Swing-away, straight extend 1266-2202-100

Offset Lateral Dimensions

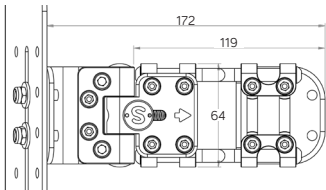
When lateral support is required to sit closer towards the user's trunk to provide support



Swing-away, offset 20 mm 1266-2203-100  
Swing-away, offset 40 mm 1266-2204-100

Axial Lateral Dimensions

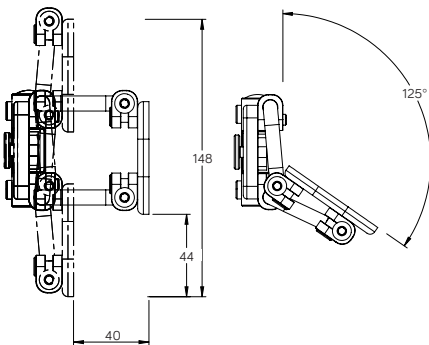
Demonstrating difference between options.



Axial Lateral Hardware 1266-2301-100

Axial Lateral Adjustments

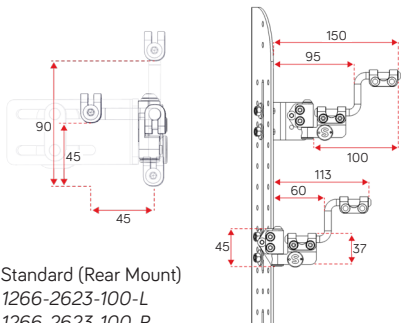
Range of adjustment available within the Axial lateral hardware.



Axial Lateral Hardware 1266-2301-100

Paediatric Lateral Support

Range of adjustment available within the Aixel lateral hardware. The top lateral is using the Forward Mount and below is the Standard (Rear Mount) option

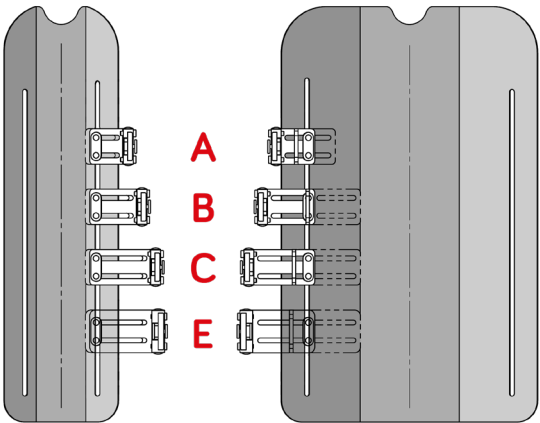


Standard (Rear Mount)  
1266-2623-100-L  
1266-2623-100-R  
Forward Mount  
1266-2623-200-L  
1266-2623-200-R  
Cane Mount  
1266-2623-300-L  
1266-2623-300-R

Lateral Bracket Mount Options

Back Support Size (inch)	A Kidz Short		B Kidz Std		C, E Kidz Long, Adults Std	
	Min	Max	Min	Max	Min	Max
10	2	7	21	27	40	46
11	Flush	1	13	20	33	39
12	Flush	1	1	20	20	39
13	Flush	1	Flush	20	8	39
14	Flush	1	Flush	20	Flush	39
15	Flush	1	Flush	20	13	39
16	Flush	1	Flush	20	Flush	39
17	Flush	1	Flush	20	Flush	39
18	Flush	1	Flush	20	Flush	39
19	Flush	1	Flush	20	Flush	39
20	Flush	1	Flush	20	Flush	39

Max is maximum reach of lateral bracket out from the edge of the back support shell.  
Kidz Short has been designed for use with the 10" shell. If used with other back support sizes, padding will be impacted.  
Kidz Standard and Adults Standard are the default lateral mounting brackets.  
Kidz Long has been designed to gain further reach from the shell edge.  
'Flush' means the bracket can be moved in to the same width as the shell or further, although usually unbeneficial.



10" and 18" back support shells displayed to show how the bend in the shell affects the inwards adjustment.

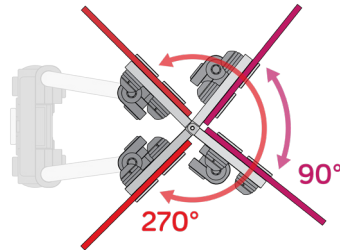
A: 1266-2442-100  
C: 1266-2444-100



## AXIAL BIANGULAR LATERAL

### Axial Biangular Lateral

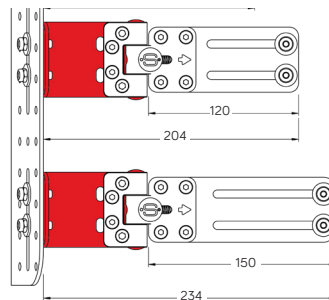
Available adjustment range.



## LATERAL ACCESSORIES

### Deep Contour Bracket

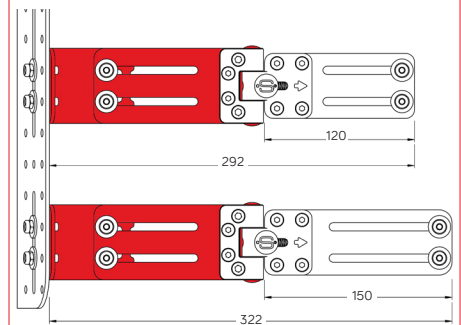
Extends depth by 30 mm, use with extensive back support contouring. Not suitable for Kidz or Fixed brackets.



Deep Contour Bracket Kit 1266-2420-100  
Shown above on (top) straight and (bottom) straight extended

### Deep Contour Extended

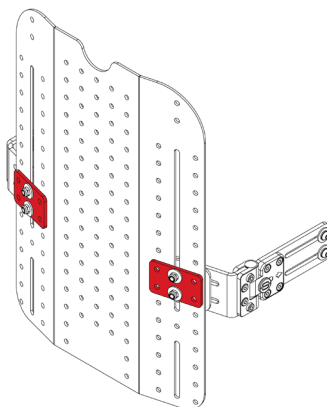
Extends depth by 115 mm, generally used with SuperShape back supports with extensive contouring. Not suitable for Kidz or Fixed brackets.



Deep Contour Extended Bracket Kit 1266-2430-100  
Shown above on (top) straight and (bottom) straight extended

### Lateral Reinforcement Plate

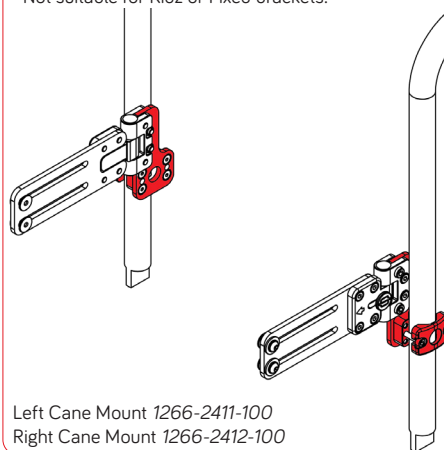
For forceful side leaning or clients over 100 kg



Reinforcement Plate 1266-2450-100

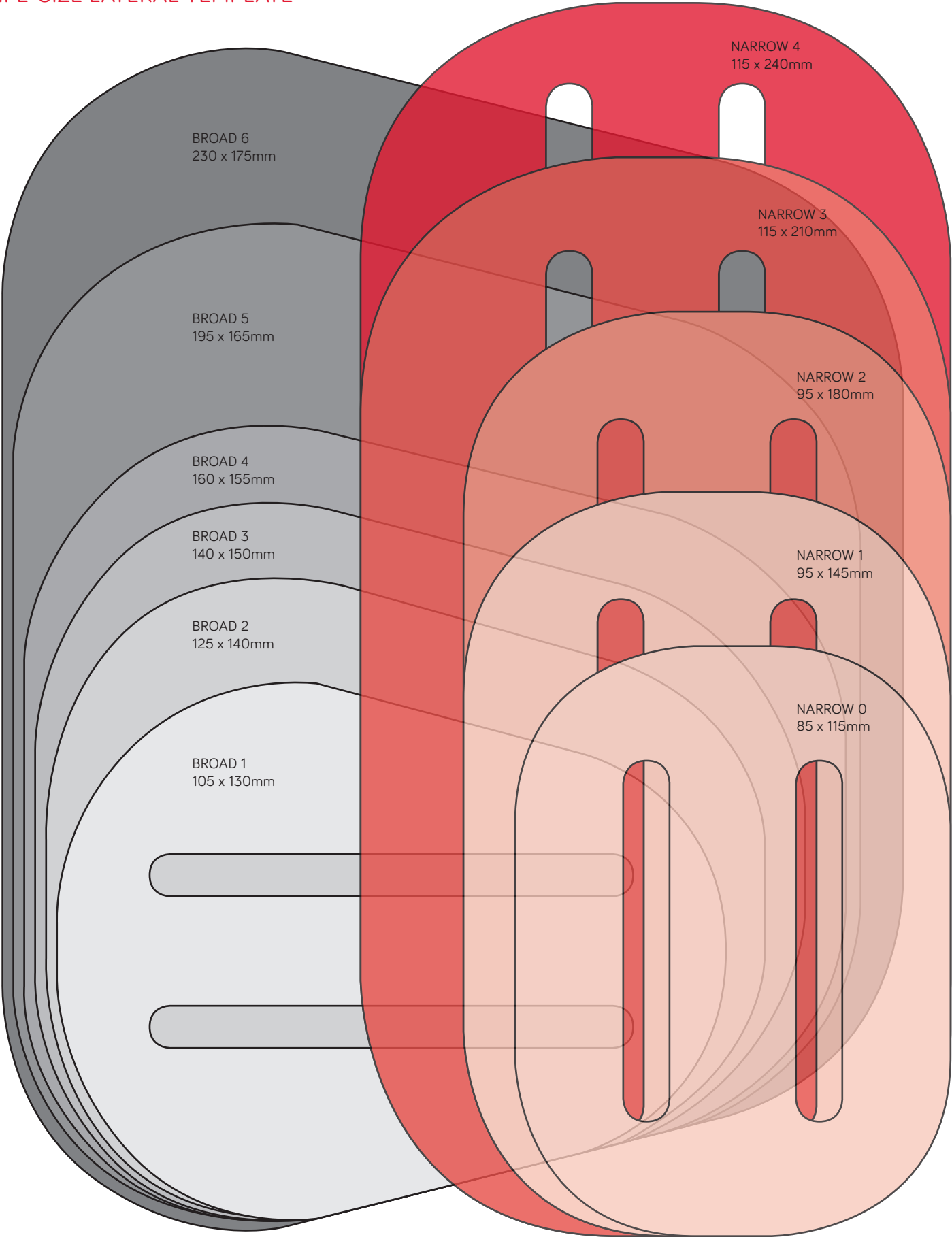
### Cane Mount for Laterals

Attachment directly to wheelchair canes.  
Not suitable for Kidz or Fixed brackets.



Left Cane Mount 1266-2411-100  
Right Cane Mount 1266-2412-100

LIFE-SIZE LATERAL TEMPLATE

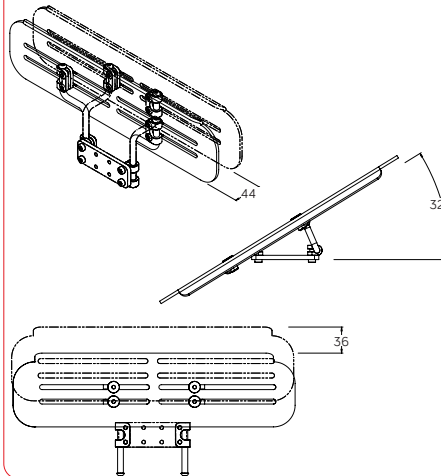


Spex® provides the tools to make decisions for faster results, including this lateral pad size guide to scale. When deciding which lateral support pad style and size will suit your clients, place this page against their torso to make an informed decision on the spot!

## AXIAL THIGH SUPPORTS

### Axial Thigh Support Hardware

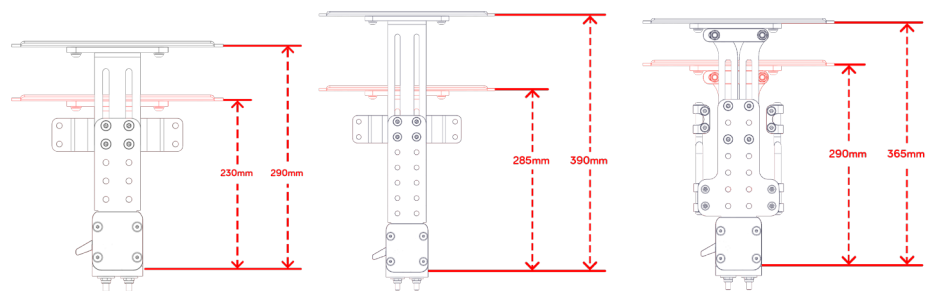
Available adjustment range.



## COMBO ARM & THIGH SUPPORTS

### Combo Arm & Thigh Support Hardware

Available adjustment range.



**Paediatric Combo  
Fixed Thigh &  
Arm Support**

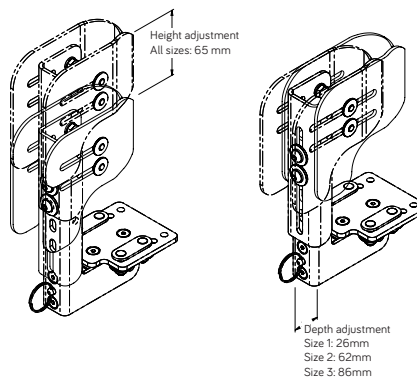
**Combo  
Fixed Thigh &  
Arm Support**

**Combo Axial Thigh  
& Axial Adjust  
Arm Support**

## MEDIAL THIGH SUPPORTS

### Std Medial Thigh Support

Available adjustment range with Standard Medial Thigh Support.



### Axial Medial Thigh Support

Available adjustment range with Axial Medial Thigh Support. Height adjustment = 61 mm

