





WATTSHOP Anemoi MK2 Extension Dual Stack Instruction Manual

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WATTSHOP Anemoi MK2 Extension Dual Stack



EXTENSION INFORMATION



EXTENSION DIMENSIONS



All dimensions are in millimeters (mm) unless otherwise stated.

A comparable dimension for the extension length is measuring your elbow to wrist kink dimension. This will inform you as to where your elbow will sit in relation to the rear of the armrest. I.E if your elbow will sit "off the back" of the armrest.

BUILD OPTIONS

Each build option is supplied with three core items; Extensions, Handgrips and Armrests. Additional items supplied are essential but depend on the build option.

STANDARD

- · Core com nents
- Extensions
- · Additional components
- Universal adjustable riser Single mount computer

Install method

Utilising the adjustable riser, the risers will fit directly to any flat top riser stack with riser stack fore-aft centres between 15-40mm. WattShop Product Compatibility This build is not compatible with our Anemoi riser stack spacers. To increase stack OEM stack spacers should be used. Can be upgraded to the Conversion Kit and Mount Plate builds.

ANEMOI BASEBAR

- · Core components
- Extensions
- Additional components
- · Basebar-specific adjustable riser or , fixed angled riser
- Crossbrace computer mount

Install method

The basebar-specific riser or fixed angled riser will fit directly to the top of the riser stack.

WattShop Product Compatibility Compatible with the complete range of WattShop componentry. Due to the controlled lateral centres of this mounting option our crossbrace BTA mount and computer mount are the optimal choice for this build.

CONVERSION KIT

Core components

- Extensions
- Handgrips
- Armrests
- · Additional components
- Basebar-specific adjustable riser or fixed angled riser Crossbrace computer mount
- · Conversion spacers

Install method

- Conversion spacers mount to your basebar or riser stack to convert the centres and profile to enable compatibility.
- The basebar-specific riser or fixed angled riser will fit directly to the conversion spacer.
- WattShop Product Compatibility Compatible with the complete range of WattShop componentry.
- Due to the controlled lateral centres of this mounting option our crossbrace BTA mount and computer mount are the optimal choice for this build.

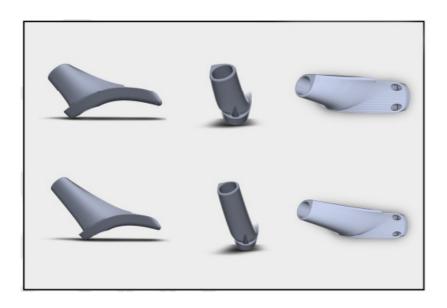
HANDGRIP SELECTION STANDARD POLE+

STANDARD POLE (LONG)

The standard pole handgrip mirrors the traditional pole end shifter. It is compatible with the following shifters:

- SHIMANO R9160
- SHIMANO SW671
- SRAM cues



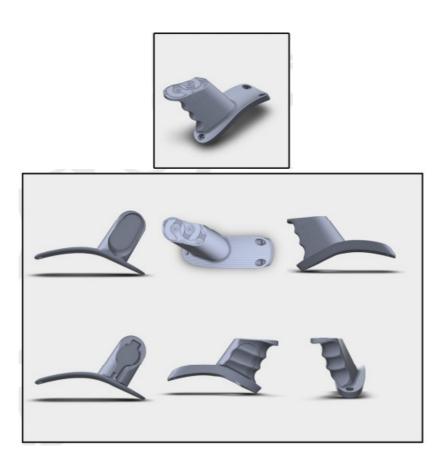


The handgrips will be available in a standard length for athletes competing under UCI regulations who want to maximise their extension angle, and a longer length for athletes competing under non-UCI regulated events.

ERGO

The ergo handgrip is available in four different versions. They are named as following:

- SHIMANO R9150
- SRAM WIRELESS BLIPS
- SRAM WIRED BLIPS
- TRACK



All versions with exception of the track handgrip will be supplied with an inner and outer component. Your shifter button will attach to the inner componentry whilst the outer component slides over the top. This increases the shifter contact area when shifting.

UCI HAND HEIGHT COMPLIANCE

When competing under UCI regulations you will need to ensure you are compliant with the UCI regulations applicable to your height category.

- 1. CATEGORY I riders are allowed 700mm mid-point of the armrest to the extension tip.
- 2. CATEGORY 2 riders are allowed 720mm mid-point of the armrest to the extension tip.
- 3. CATEGORY 3 riders are allowed 740mm mid-point of the armrest to the extension tip.

NON-CATEGORY – riders are allowed 700mm mid-point of the armrest to the extension tip. Please note mid-point to extension tip measurements are measured vertically All accessories are included in these dimensions.



| UCI NOI | UCI NON CATEGORY | | | | | | | | | | | | |
|---------|------------------|-----------------------------|-------|------------|------|-------|------------|-------------|-------|--|--|--|--|
| | Handgrip - | Handgrip + Extension Length | | | | | | | | | | | |
| Riser A | Ergo | | | Standard F | Pole | | Standard F | Pole (Long) | | | | | |
| | Standard | Long | Short | Standard | Long | Short | Standard | Long | Short | | | | |
| 10 | 68 | 82 | 61 | 66 | 80 | 59 | 86 | 100 | 78 | | | | |
| 15 | 90 | 108 | 81 | 90 | 108 | 80 | 111 | 129 | 102 | | | | |
| 20 | 112 | 134 | 100 | 113 | 135 | 101 | 136 | 158 | 124 | | | | |
| 25 | 135 | 162 | 123 | 134 | 161 | 121 | 159 | 185 | 146 | | | | |
| 30 | 159 | 188 | 147 | 156 | 185 | 144 | 182 | 211 | 166 | | | | |

| UCI CAT | UCI CATEGORY 2 | | | | | | | | | | | |
|---------|-----------------------------|-------------------------------------|-------|------------|------|-------|------------|-------------|-------|--|--|--|
| | Handgrip + Extension Length | | | | | | | | | | | |
| Riser A | Ergo | | | Standard I | Pole | | Standard F | Pole (Long) | | | | |
| | Standard | Long | Short | Standard | Long | Short | Standard | Long | Short | | | |
| 10 | 68 | 82 | 61 | 66 | 80 | 59 | 86 | 100 | 78 | | | |
| 15 | 90 | 108 | 81 | 90 | 108 | 80 | 111 | 129 | 102 | | | |
| 20 | 112 | 134 | 100 | 113 | 135 | 101 | 136 | 158 | 124 | | | |
| 25 | 135 | 162 | 123 | 134 | 161 | 121 | 159 | 185 | 146 | | | |
| 30 | 159 | 159 188 147 156 185 144 182 211 166 | | | | | | | | | | |

| UCI CAT | UCI CATEGORYI | | | | | | | | | | | | |
|-----------------|-----------------------------|------|-------|------------|------|-------|------------|-------------|-------|--|--|--|--|
| | Handgrip + Extension Length | | | | | | | | | | | | |
| Riser A ngle | Ergo | | | Standard I | Pole | | Standard F | Pole (Long) | | | | | |
| | Standard | Long | Short | Standard | Long | Short | Standard | Long | Short | | | | |
| 10 | 68 | 82 | 61 | 66 | 80 | 59 | 86 | 100 | 78 | | | | |
| 15 | 90 | 108 | 81 | 90 | 108 | 80 | 111 | 129 | 102 | | | | |
| 20 | 112 | 134 | 100 | 113 | 135 | 101 | 136 | 158 | 124 | | | | |
| 25 | 135 | 162 | 123 | 134 | 161 | 121 | 159 | 185 | 146 | | | | |
| 30 | 159 | 188 | 147 | 156 | 185 | 144 | 182 | 211 | 166 | | | | |

| UCI CAT | UCI CATEGORY 3 | | | | | | | | | | | |
|---------|----------------------------------------------------------|------------------------------------|-------|------------|---------------|-------|----------|-------------|-------|--|--|--|
| | Handgrip + Extension Length | | | | | | | | | | | |
| Riser A | Ergo | | | Standard I | Standard Pole | | | Pole (Long) | | | | |
| | Standard | Long | Short | Standard | Long | Short | Standard | Long | Short | | | |
| 10 | 68 | 82 | 61 | 66 | 80 | 59 | 86 | 100 | 78 | | | |
| 15 | 90 | 108 | 81 | 90 | 108 | 80 | 111 | 129 | 102 | | | |
| 20 | 112 | 134 | 100 | 113 | 135 | 101 | 136 | 158 | 124 | | | |
| 25 | 135 162 123 134 161 121 159 185 146 | | | | | | | 146 | | | | |
| 30 | 159 | 59 188 147 156 185 144 182 211 166 | | | | | | | | | | |

All dimensions are in millimeters (mm) unless otherwise stated.

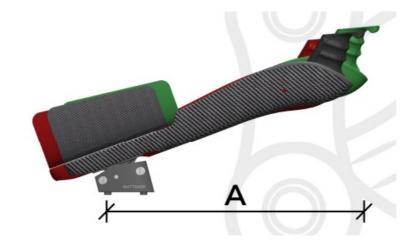
Standard = Standard extensions. Long = Long extensions. Short= Short extensions.

All standard pole handgrips can be trimmed to fit your desired category. Please note the standard pole dimensions above are excluding the shifter

STANDARD BUILD

REACH

All reach dimensions are measured from the rear riser bolt hole horizontally to the extension tip.

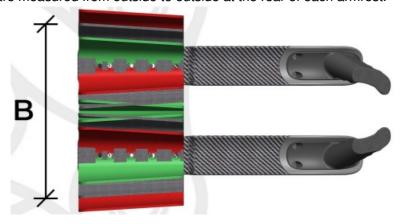


| | Adjustable | Reach Window (A) | | | | | | | | | |
|------|------------|------------------|-----|-------|-------|-----|-----|--|--|--|--|
| | Riser | 8 | P | SP (l | Long) | Er | go | | | | |
| 2 | (Degrees) | Min | Max | Min | Max | Min | Max | | | | |
| DARD | 10 | 289 | 322 | 309 | 343 | 294 | 327 | | | | |
| Z | 15 | 280 | 313 | 298 | 332 | 283 | 316 | | | | |
| STAN | 20 | 27.1 | 301 | 287 | 318 | 272 | 303 | | | | |
| -151 | 25 | 259 | 287 | 273 | 301 | 259 | 287 | | | | |
| | 30 | 246 | 271 | 258 | 283 | 244 | 269 | | | | |

| | Adjustable | Reach Window (A) | | | | | | | | | |
|---|------------|------------------|-----|------|------|-----|-----|--|--|--|--|
| | Riser | 9 | p | SPIL | ong) | Er | go | | | | |
| | (Degrees) | Min | Max | Min | Max | Min | Max | | | | |
| S | 10 | 336 | 370 | 356 | 391 | 343 | 377 | | | | |
| 2 | 15 | 326 | 360 | 344 | 378 | 332 | 366 | | | | |
| _ | 20 | 313 | 346 | 330 | 362 | 318 | 351 | | | | |
| | 25 | 298 | 330 | 313 | 344 | 303 | 334 | | | | |
| | 30 | 281 | 311 | 293 | 324 | 285 | 315 | | | | |

WIDTH

All width dimensions are measured from outside to outside at the rear of each armrest.

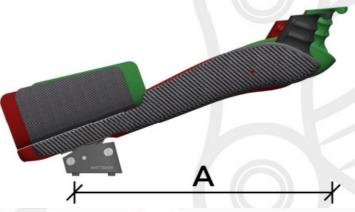


| | Adjustable | Reach Window (A) | | | | | | | | | |
|-------|------------|------------------|-----|-------|-------|------|-----|--|--|--|--|
| | Riser | SP | | SP (L | long) | Ergo | | | | | |
| | (Degrees) | Min | Max | Mirs | Max | Min | Max | | | | |
| SHORT | 10 | 262 | 297 | 283 | 317 | 269 | 304 | | | | |
| H | 15 | 254 | 288 | 273 | 307 | 260 | 294 | | | | |
| U | 20 | 244 | 278 | 261 | 294 | 249 | 282 | | | | |
| | 25 | 232 | 264 | 247 | 279 | 237 | 269 | | | | |
| | 30 | 719 | 749 | 231 | 262 | 223 | 253 | | | | |

ANEMOI BASEBAR BUILD

REACH

All reach dimensions are measured from the rear riser bolt hole horizontally to the extension tip.

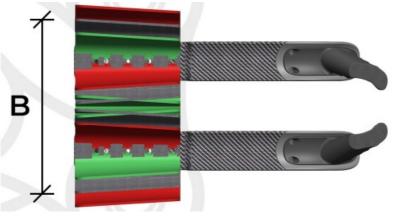


| Adjustable | | Width (B) |
|------------|----------|-----------|
| Riser | (lateral | c-c +/-) |
| (Degrees) | Min | Max |
| 10 | +65 | +135 |
| 15 | +65 | +135 |
| 20 | +65 | +135 |
| 25 | +65 | +135 |
| 30 | +65 | +135 |

| EXAMPLE | Armrest | Width (B) |
|---------------|---------|-----------|
| (lateral c-c) | Min | Max |
| 105 | 170 | 240 |
| 110 | 175 | 245 |
| 115 | 180 | 250 |
| 120 | 185 | 255 |
| 125 | 190 | 260 |
| 130 | 195 | 265 |
| 135 | 200 | 270 |
| 140 | 205 | 275 |

WIDTH

All width dimensions are measured from outside to outside at the rear of each armrest



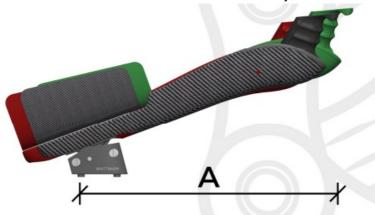
| STANDARD | Adjustable Riser | | | Reach W | indow (A) | Fixed Riser | Reach Window (A) | | | | |
|----------|---------------------|-----|-----|-----------|-----------|-------------|------------------|-----------------------------------------|------------------|------|------|
| | | SP | | SP (Long) | | Ergo | | 100000000000000000000000000000000000000 | Reach Window (A) | | |
| | (Degrees) | Min | Max | Min | Max | Min | Max | (Degrees) | SP | SP/L | Ergo |
| | 10 | 289 | 322 | 309 | 343 | 294 | 327 | 10 | 322 | 343 | 327 |
| Z | 15 | 280 | 313 | 298 | 332 | 283 | 316 | 15 | 313 | 332 | 316 |
| ST | 20 | 271 | 301 | 287 | 318 | 272 | 303 | 20 | 301 | 318 | 303 |
| | 25 | 259 | 287 | 273 | 301 | 259 | 287 | 25 | 287 | 301 | 287 |
| | 30 | 246 | 271 | 258 | 283 | 244 | 269 | 30 | 271 | 283 | 269 |

| | Adjustable | | | Reach W | indow (A) | Fixed Riser | Reach Window (A) | | | | |
|-----|------------|-----|-----|---------|-----------|-------------|------------------|-----------|--------------------|------|------|
| | Riser | SP | | SP (I | Long) | Er | go | | Reacti Willdow (A) | | |
| | (Degrees) | Min | Max | Min | Max | Min | Max | (Degrees) | SP | SP/L | Ergo |
| ONG | 10 | 336 | 370 | 356 | 391 | 343 | 377 | 10 | 370 | 391 | 377 |
| 2 | 15 | 326 | 360 | 344 | 378 | 332 | 366 | 15 | 360 | 378 | 366 |
| | 20 | 313 | 346 | 330 | 362 | 318 | 351 | 20 | 346 | 362 | 351 |
| | 25 | 298 | 330 | 313 | 344 | 303 | 334 | 25 | 330 | 344 | 334 |
| | 30 | 281 | 311 | 293 | 324 | 285 | 315 | 30 | 311 | 324 | 315 |

CONVERSION KIT BUILD

REACH

All reach dimensions are measured from the rear riser bolt hole horizontally to the extension tip.

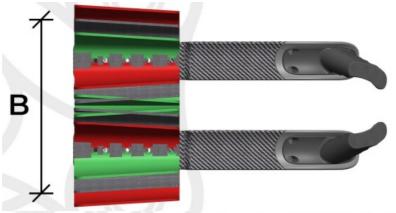


| Adjustable/ Fixed Riser | Armrest \ | Width (B) |
|----------------------------|-----------|-----------|
| (Degrees) | Min | Max |
| 10 | 170 | 240 |
| 15 | 170 | 240 |
| 20 | 170 | 240 |
| 25 | 170 | 240 |
| 30 | 170 | 240 |

| | Adjustable | | | Reach W | indow (A) | Fixed Riser | Reach Window (A) | | | | |
|-------|--------------------|-----|-----|-----------|-----------|-------------|------------------|-----------|---------------------|------|------|
| | Riser (Degrees) | SP | | SP (Long) | | Ergo | | | Reacti Willidow (A) | | |
| | | Min | Max | Min | Max | Min | Max | (Degrees) | SP | SP/L | Ergo |
| SHORT | 10 | 262 | 297 | 283 | 317 | 269 | 304 | 10 | 297 | 317 | 304 |
| | 15 | 254 | 288 | 273 | 307 | 260 | 294 | 15 | 288 | 307 | 294 |
| | 20 | 244 | 278 | 261 | 294 | 249 | 282 | 20 | 278 | 294 | 282 |
| | 25 | 232 | 264 | 247 | 279 | 237 | 269 | 25 | 264 | 279 | 269 |
| | 30 | 219 | 249 | 231 | 262 | 223 | 253 | 30 | 249 | 262 | 253 |

WIDTH

All width dimensions are measured from outside to outside at the rear of each armrest.



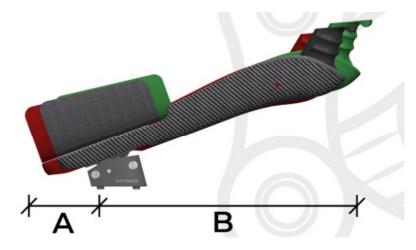
| RD | Adjustable | | | Reach W | indow (A) | Cined Diese | Reach Window (A) | | | | |
|----------|--------------------|-----|-----|-----------|-----------|-------------|------------------|-------------|--------------------|------|------|
| | Riser (Degrees) | SP | | SP (Long) | | Ergo | | Fixed Riser | Reacti Willdow (A) | | |
| | | Min | Max | Min | Max | Min | Max | (Degrees) | 5P | SP/L | Ergo |
| DAI | 10 | 289 | 322 | 309 | 343 | 294 | 327 | 10 | 322 | 343 | 327 |
| STANDARD | 15 | 280 | 313 | 298 | 332 | 283 | 316 | 15 | 313 | 332 | 316 |
| | 20 | 271 | 301 | 287 | 318 | 272 | 303 | 20 | 301 | 318 | 303 |
| | 25 | 259 | 287 | 273 | 301 | 259 | 287 | 25 | 287 | 301 | 287 |
| | 30 | 246 | 271 | 258 | 283 | 244 | 269 | 30 | 271 | 283 | 269 |

| | Adjustable | Reach Window (A) | | | | | | Fixed Riser | Reach Window (A) | | |
|------|--------------------|------------------|-----|-----------|-----|------|-----|-------------|--------------------|------|------|
| | Riser (Degrees) | SP | | SP (Long) | | Ergo | | | Reacti Willdow (A) | | |
| LONG | | Min | Max | Min | Max | Min | Max | (Degrees) | SP | SP/L | Ergo |
| | 10 | 336 | 370 | 356 | 391 | 343 | 377 | 10 | 370 | 391 | 377 |
| | 15 | 326 | 360 | 344 | 378 | 332 | 366 | 15 | 360 | 378 | 366 |
| | 20 | 313 | 346 | 330 | 362 | 318 | 351 | 20 | 346 | 362 | 351 |
| | 25 | 298 | 330 | 313 | 344 | 303 | 334 | 25 | 330 | 344 | 334 |
| | 30 | 281 | 311 | 293 | 324 | 285 | 315 | 30 | 311 | 324 | 315 |

MOUNT PLATE BUILD

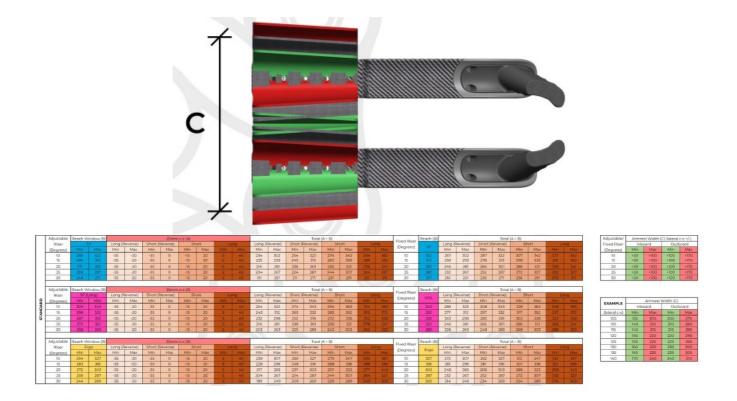
REACH

All reach dimensions are measured from the rear riser bolt hole horizontally to the extension tip.

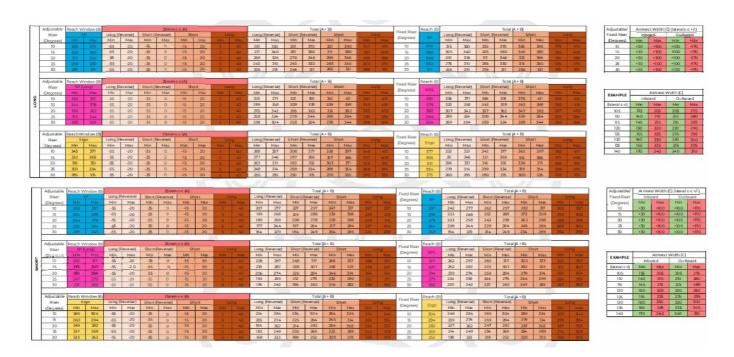


WIDTH

All width dimensions are measured from outside to outside at the rear of each armrest.



MOUNT PLATE BUILD CONTINUED ...



RISER SELECTION

• ADJUSTABLE RISER

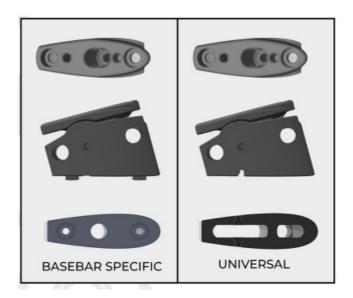
The adjustable riser is available in two different options. Which option you receive will depend on your build selection.

• UNIVERSAL ADJUSTABLE RISER

You will receive this riser with the Standard build option only. The universal risers are slotted on the underside. With the use of our barrel nuts these risers can be installed onto a variety of flat top riser stacks that have bolt centers between 75-40mm.

• BASEBAR SPECIFIC ADJUSTABLE RISER

You will receive this option if you have selected the Anemoi Basebar, Conversion Kit or Mount Plate build. These risers have threaded bosses on the underside which provides easier installation and seamless integration with WattShop componentry.



FIXED ANGLED RISER

Designed to provide you with a clean and seamless integration between riser and extension, the fixed angled riser is available in five different angles, each of which come with 2 degrees of toe-in. This may be the preferred option for riders who know their optimal extension angle or want to maximise their position within the UCI regulations.

- 10 DEGREES
- 15 DEGREES
- 20 DEGREES
- 25 DEGREES
- 30 DEGREES



These risers are only compatible with the Anemoi Basebar, Conversion Kit or Mount Plate builds.

ARMREST+ COMPUTER MOUNT SELECTION

• ARMRESTS

Available in two different styles. Both are slotted to provide width adjustment.

DUAL SIDED

Each armrest has a high sided inside and outside supporting faces, giving the armrest a "U" shape We recommend this style armrests for widths 220mm or wider this ensures you will benefit from the support of the inside edge.

SINGLE SIDED

Each armrest has a high sided outside supporting face. We recommend this for armrest widths less than 220mm. At less than 220mm your forearms are likely touching so the benefit of the inside supporting face is reduced.

COMPUTER MOUNT

Available in two different options; Garmin and Wahoo and in two different extension interface options.

SINGLE MOUNT

This option will come supplied as standard with the Standard and Mount Plate built options. It attaches to the left hand extension only, hence single mount. 5mm spacers can be used to move the computer mount further away from the extension if needed. You also have the ability to adjust toe.



CROSSBRACE MOUNT

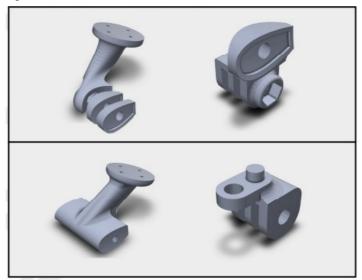
Available in two different options; Garmin and Wahoo and in two different extension interface options.

SINGLE MOUNT

This option will come supplied as standard with the Standard and Mount Plate built options. It attaches to the left hand extension only, hence single mount. 5mm spacers can be used to move the computer mount further away from the extension if needed. You also have the ability to adjust toe.

CROSSBRACE MOUNT

Comes supplied as standard with all Anemoi Basebar or Conversion Kit builds. This computer mount attaches to both extensions to centralise and provide additional strength. GoPro style accessories are available for both to allow GoPro and f ront light attachments.



CONVERSION SPACER SELECTION

CONVERSION SPACER

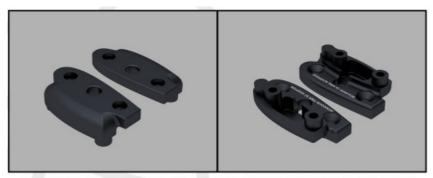
Designed to accommodate various basebars and riser stacks, our spacers are precision-matched to stock riser profiles for a visually cohesive integration of our Anemoi component range.

• INTEGRATION

Profile-matched to your existing riser stacks, ensuring seamless integration between your basebar and the Anemoi product range.

• OPTIMAL LATERAL STACK CENTRES

Bring uniformity to your riser stack lateral centres. Converting your existing riser stack lateral centres to 705mm. This alignment ensures your extension poles are centred to your forearm. Our range of Conversion Spacers is continually expanding however if you don't see your model of basebar in the list please get in contact.



TREK SPEED CONCEPT - TOP AND UNDERSIDE VIEW

@watt_Shop

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info@shopforwatts.co.uk

Documents / Resources



WATTSHOP Anemoi MK2 Extension Dual Stack [pdf] Instruction Manual Anemoi MK2 Extension Dual Stack, MK2 Extension Dual Stack, Extension Dual Stack, Dual Stack ck

References

User Manual

Manuals+, Privacy Policy

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