

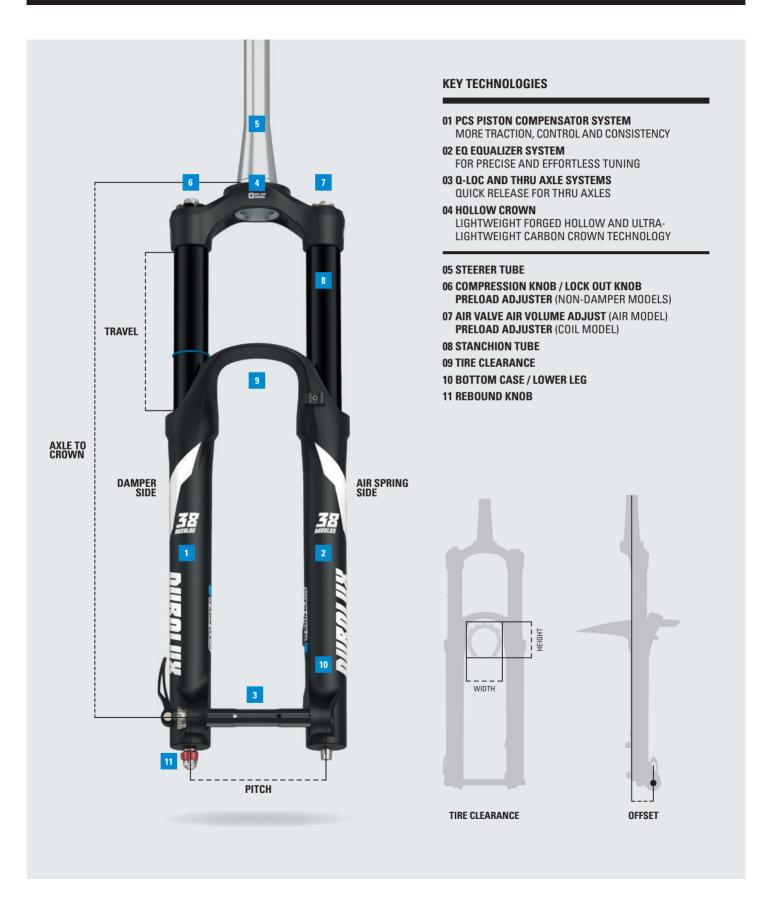
SUSPENSION FORK GLOSSARY

V.1.0_08-2025



GLOSSARY SUSPENSION FORK

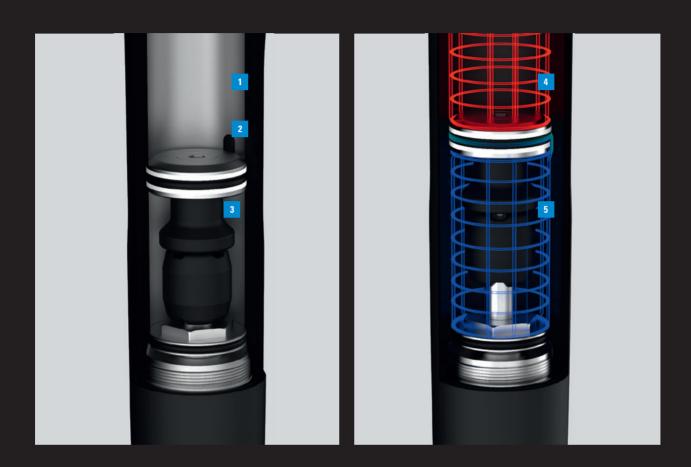
OVERVIEW



EQ EQUALIZER SYSTEM

FOR PRECISE & EFFORTLESS AIR SPRING TUNING







- 1 Positive air chamber
- 2 Transfer port
- 3 Negative air Chamber
- 4 Positive air pressure
- 5 Negative air pressure

SET YOUR SAG AND THE EQUALIZER (EQ) AIR NEGATIVE SPRING SYSTEM WILL BALANCE IT FOR YOU.

Our tradition of product evolution brings our forks into a brand new era with our EQ air system. The EQ system perfectly balances positive and negative spring independent from rider weight, which results in amazing performance and precise support across the range. This customizes feel for each individual rider optimizing SAG and volume control. Pairing the EQ system with the external damping adjustments of our PCS cartridges promise a supple coil spring feel in a lightweight, progressive and easy to adjust air spring package. You can set your SAG according to your intended riding style

and the EQ system will balance it with the right amount of negative spring force helping you to create a precise and effortless tune. The EQ system will improve fork sensitivity of small repetitive bumps while providing plenty of mid-stroke support for those bigger hits resulting in enhanced comfort and performance when riding any kind of terrain.

FUNCTIONAL FEATURES

Greater, automatic spring adjustability based on the riding style and weight of the rider

- Improved fork sensitivity for those small but fast repetitive bumps
- Super consistent damping performance in tandem with the PCS system

PCS – PISTON COMPENSATOR SYSTEM

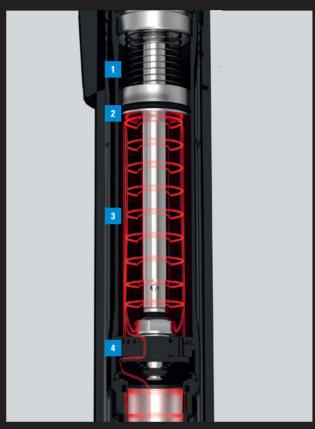
MORE TRACTION, CONTROL AND CONSISTENCY



LOW SPEED COMPRESSION

HIGH SPEED COMPRESSION







- 1 Air
- 2 PCS avoids vacuum effect
- 3 Oil (Red and blue marked area)
- 4 Piston management of high / low speed compression

THE ULTIMATE IN TRACTION, CONTROL AND CONSISTENCY

With over 20 years of refinement, SR Suntour's Cartridge Science Program has created the most controlled, consistent and functional dampers we've ever produced. PCS is a simple and repeatable way of reducing cavitation (air and oil mixing and creating pressure). Less cavitation means more predictable damping performance, and with cartridges being tested to over 200,000 cycles that performance should last run after run, ride after ride. When it does need servicing, our Quick Service Product (QSP) Philosophy, ensures that you'll spend less time in the work stand and more time on the trail.

3CR PCS

With easy 3-position compression adjustment you can go from open to mid to firm at the touch of a lever. Backed with our PCS system to reduce cavitation you can instantly tune your ride to the terrain. Open: Supportive but ready for big hits, varying terrain and downhills Mid: Extra support for hard charging, technical climbing and undulating terrain Firm: Efficient pedaling for roads, smooth climbing and big sprints.

2CR PCS

Take all the guesswork out of your suspension with easy 2 position on-the-fly adjustment. Whether you choose the fully open position to tame the terrain or the firm position for the utmost in pedaling efficiency the 2CR PCS cartridge has you covered.

PCS CARTRIDGES

RC+-PCS

RC-PCS

3CR-PCS



INTERNAL SHIM BASED HIGH SPEED COMPRESSION AND REBOUND MANAGEMENT EXTERNAL LOW SPEED COMRESSION & REBOUND ADJUST PCS SYSTEM (PISTON

PCS SYSTEM (PISTON COMPENSATOR SYSTEM)

Race proven WERX cartridge with PCS (Piston Compensator system) floating piston provides consistent damping in all conditions, eliminating cavitation

- Extra oil flow for high speeds and hard impacts while still offering excellent performance for both small bumps and trail chatter
- High and low speed circuit work independent but transition seamlessly into each other.
- Forged alloy adjust knobs with integrated design
- Updated internal seals greatly improve durability for Trail/AM and Enduro usage
- Light "Click" index feeling for easy and sure operation



LOW SPEED COMPRESSION ADJUST REBOUND ADJUST PCS SYSTEM (PISTON COMPENSATOR SYSTEM)

Race proven WERX cartridge with PCS (Piston Compensator system) floating piston provides consistent damping in all conditions, eliminating cavitation

- Updated internal seals greatly improve durability for Trail, Enduro and DH riding
- Forged alloy adjust knobs with integrated design
- Light "Click" index feeling for easy and sure operation



3 POSITIONS OF COMPRESSION ADJUST LOW SPEED REBOUND ADJUST PCS SYSTEM (PISTON COMPENSATOR SYSTEM)

Race proven WERX cartridge with PCS (Piston Compensator system) floating piston provides consistent damping

in all conditions, eliminating cavitation

- 3 step (firm, medium, open) low speed compression adjustment. Low speed rebound damping adjust.
- Updated internal seals greatly improve durability for Trail, Enduro and DH riding
- Light "Click" index feeling for easy and sure operation













2CR-PCS RLR-PCS



2 POSITIONS OF COMPRESSION ADJUST LOW SPEED REBOUND ADJUST PCS SYSTEM (PISTON COMPENSATOR SYSTEM)

Race proven WERX cartridge with PCS (Piston Compensator system) floating piston provides consistent damping in all conditions, eliminating cavitation

- 2 step (firm, open) low speed compression adjustment.
 Low speed rebound damping adjust
- Updated internal seals greatly improve durability for Trail, Enduro riding
- Light "Click" index feeling for easy and sure operation



REBOUND ADJUST REMOTE SPEED LOCK PCS SYSTEM (PISTON COMPENSATOR SYSTEM)

Race proven WERX cartridge with PCS (Piston Compensator system) floating piston provides consistent damping in all conditions, eliminating cavitation

- Hydraulic Remote Lockout
- Drastic improvement of riding efficiency & its adjustability for cross country & trail ride
- Forged alloy adjust knobs with integrated design
- Updated internal seals greatly improve durability for Trail, Enduro and DH riding
- Light "Click" index feeling for easy and sure operation



LOR-PCS

2 POSITIONS OF COMPRESSION ADJUST LOW SPEED REBOUND ADJUST PCS SYSTEM (PISTON COMPENSATOR SYSTEM)

Race proven WERX cartridge with PCS (Piston Compensator system) floating piston provides consistent damping in all conditions, eliminatingcavitation

- Hydraulic Lockout with adjustable rebound damping with blow off feature.
- Forged alloy adjust knobs with integrated design
- Updated internal seals greatly improve durability for Trail, Enduro and DH riding
- Light "Click" index feeling for easy and sure operation













RLRC-PCS

LORC-PCS



LOW SPEED COMPRESSION ADJUST REBOUND ADJUST REMOTE SPEED LOCK PCS SYSTEM (PISTON COMPENSATOR SYSTEM)

Race proven WERX cartridge with PCS (Piston Compensator system) floating piston provides consistent damping in all conditions, eliminatingcavitation

- 3 in 1 function: Lock out, low speed compression adjust & rebound adjust in one cartridge.
- Drastic improvement of riding efficiency & its adjustability for cross country & trail ride
- Forged alloy adjust knobs with integrated design
- Updated internal seals greatly improve durability for Trail, Enduro and DH riding
- Light "Click" index feeling for easy and sure operation
- Ergonomic design remote lock lever for faster and easier operation



LOW SPEED COMPRESSION ADJUST REBOUND ADJUST SPEED LOCK PCS SYSTEM (PISTON COMPENSATOR SYSTEM)

Race proven WERX cartridge with PCS (Piston Compensator system) floating piston provides consistent damping in all conditions, eliminating cavitation

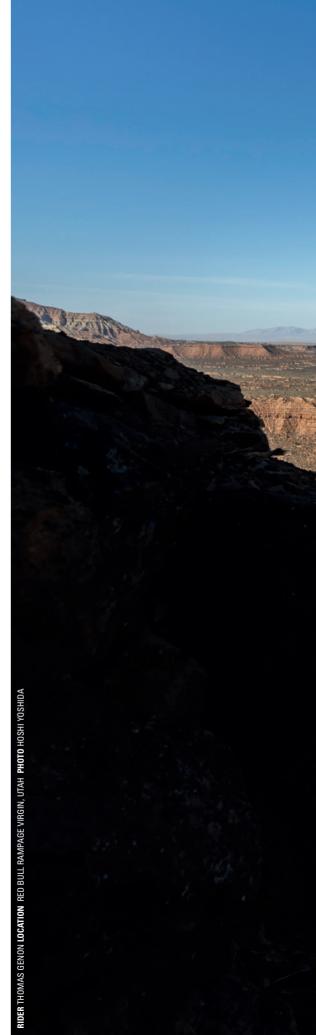
- 3-in-1 Lock out + low speed compression & rebound adjust in one cartridge
- Drastic improvement of riding efficiency & its adjustability for cross country & trail ride
- Forged alloy adjust knobs with integrated design
- Updated internal seals greatly improve durability for Trail, Enduro and DH riding
- Light "Click" index feeling for easy and sure operation













DAMPING ADJUSTMENT



12 |

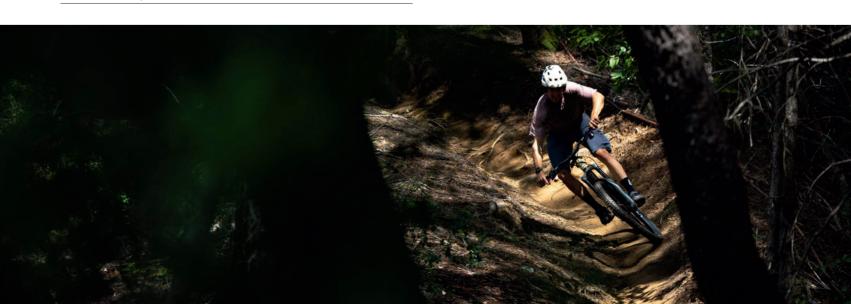
DAMPING ADJUSTMENT

APPLICATION TABLE	RC+	R-2CR	3CR	2CR	RLRC	LORC	RC	R	RLR	LOR	RL	LO	HLO
RUX	•	-	-	-	-	-	-	-	-	-	-	-	-
DUROLUX	•	-	-	-	-	-	-	-	-	-	-	-	-
AURON	•	-	-	-	-	-	-	-	-	-	-	-	-
AION	-	-	•	•	-	-	•	-	-	-	-	-	-
ZERON	-	-	•	•	-	-	•	•	-	-	-	-	-
AXON	-	-	-	-	•	•	-	-	-	-	-	-	-
RAIDON	-	•	-	•	-	-	-	-	•	•	-	-	-
XCR	-	•	-	•	-	-	-	•	•	•	•	•	-
EPIXON	-	•	-	•	-	-	-	-	-	-	-	-	-
XCM	-	-	-	-	-	-	-	-	•	•	•	•	-
XCT	-	-	-	-	-	-	-	-	-	-	-	-	•
XCE	-	-	-	-	-	-	-	-	-	-	-	-	-
M3010	-	-	-	-	-	-	-	-	-	-	-	-	-
MOBIE36	-	-	•	•	-	-	-	-	-	-	-	-	-
MOBIE35 CGO	-	-	-	•	-	-	-	•	-	-	-	-	-
MOBIE34	-	-	-	•	-	-	-	-	-	-	-	-	-
MOBIE34 CGO	-	-	-	-	-	-	-	•	-	-	-	•	-
MOBIE A34	-	-	-	-	-	-	-	-	-	•	-	•	-
MOBIE A32	-	-	-	-	-	-	-	-	-	•	-	•	-
GVX	-	-	-	-	-	-	-	-	••	••	-	-	-
NRX	-		-	•	-	-	-	-	-	•	-	•	-
NCX	-	-	-	•	-	-	-	-	-	-	•	•	-
NVX	-	-	-	-	-	-	-	-	-	•	•	•	-
NEX	-	-	-	-	-	-	-	-	-	-	•	•	•

PCS CARTRIDGE

NAME	FUNCTION
RC+ -PCS	External low speed compression and rebound adjustment, internal shim based high speed compression and rebound management with PCS system
RC-PCS	Low speed compression and low speed rebound damping adjusts with blow-off feature along with PCS system.
R-2CR-PCS	Remote Lockout with 2 positions of compression (firm setting and open setting) with low speed rebound adjust along with PCS system.
3CR-PCS	3 positions of compression (firm setting, medium setting and open setting) with low speed rebound adjust along with PCS system.
2CR-PCS	${\bf 2}$ positions of compression (firm setting and open setting) with low speed rebound adjust along with PCS system.
RLRC-PCS	Hydraulic Remote Lockout with low speed compression and low speed rebound damping adjusts with blow-off feature along with PCS system.
LORC-PCS	Hydraulic Lockout with low speed compression and low speed rebound damping adjusts with blow-off feature along with PCS system.
RLR-PCS	Hydraulic Remote Lockout with rebound damping adjusts with blow-off feature along with PCS system.
LOR-PCS	Hydraulic Lockout with adjustable rebound damping with blow-off feature along with PCS system.

NAME	FUNCTION
3CR	3 position of compression(firm setting, medium setting and open setting) with low speed rebound asdjust.
2CR	2 positions of compression (firm setting and open setting) with low speed rebound adjust.
RC	Low speed compression and low speed rebound damping adjusts with blow-off feature.
RLR	Hydraulic Remote Lockout with adjustable rebound damping with blow-off feature.
LOR	Hydraulic Lockout with adjustable rebound damping with blow-off feature.
RL	Hydraulic Remote Lockout with fixed rebound damping with blow-off feature.
LO	Hydraulic Lockout with fixed rebound damping with blow-off feature.
R	Fix compression with low speed rebound adjust



SPRING SYSTEM



FEG617: AIR EQ / AIRDual air spring system / Standard air spring



FAA362: AIR EQ / AIR
Dual air spring system / Standard air spring



FEG551: AIR EQDual air spring system



FAA121: AIR EQ / AIR
Dual air spring system / Standard air spring



FEE088: COIL ADJUSTABLE
Coil spring with adjustable preload



FEE250: COIL Coil spring

APPLICATION TABLE	FEG617	FAA362	FEG551	FAA121	FEE088	FEE250
RUX	•	-	-	-	-	-
DUROLUX	•	-	-	_	-	-
AURON	•	-	-	-	-	-
AION	-	-	•	-	-	_
ZERON	-	-	•	-	-	-
AXON	-	•	-	-	-	-
RAIDON	-	-	-	•	-	-
XCR	-	-	-	•	•	-
EPIXON	-	-	•	-	-	-
хсм	-	-	-	•	•	-
хст	-	-	-	-	•	-
XCE	-	-	-	-	•	-
M3010	-	-	-	-	•	•
MOBIE36	-	-	•	-	-	-
MOBIE35 CGO	-	-	•	_	-	-
MOBIE34	-	•	•	•	_	-
MOBIE34 CGO	-	-	-	-	-	•
MOBIEA34	-	-	-	•	-	-
MOBIEA32	-	-	-	_	•	-
GVX	-	•	-	-	-	-
NRX	-	-	•	•	•	-
NCX	-	-	-	•	•	•
NVX	-	-	-	-	•	-
NEX	-	-	-	_	•	-

ADJUSTABLE AIR CHAMBER VOLUME

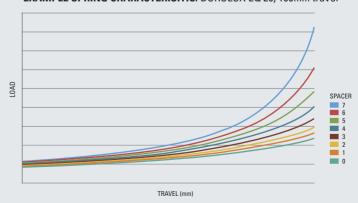
VOLUME SPACER LOGIC Adjust your spring curve by using different amount of rubber volume spacers. This function allows the rider to choose between a more linear or a more progressive characteristic curve. More spacers for more progression. Less spacers for more comfort. Visit www.srsuntour.com for tech videos and product manuals with detailed information. Air spring curve can be widely adjustable, which can bring the extra comfort wider range of total weight of "bike + rider + luggage".

HOLLOW

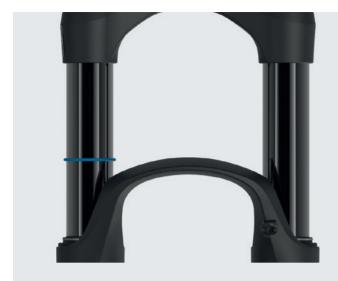




EXAMPLE SPRING CHARACTERISITIC: DUROLUX EQ 29, 160mm travel



STANCHION



HARD ANODIZED BLACK A7 / A6000 series aluminum



QPQ BLACK STKM





BOTTOM CASE COLORS



MATT BLACK Color code YS727



GLOSS BLACK Color code YS728



METALLIC SLATE Color code YS941



GLOSS WHITEColor code YS701

DECALS



COMPANY COLOR Black



COMPANY COLOR White



METALLIC SLATE Metallic Gray



STEALTH with glossy decal



Q-LOC AND THRU AXLE SYSTEMS



Q-LOC is a patented quick release system for thru axles fully deserving of the name "quick". Q-LOC 2 is the logical evolutionary step, guaranteeing 100% compatibility with all kinds of hub axle designs. A simple push and a little twist of the nut enables a quick removal of the axle. Exchanging the axle is as fast as extracting the axle thanks to the patented expander design which smoothly passes the thru axle and latches safely with a reassuring click sound. Safety and speed is crucial when it comes to pressurised wheel changes during a race. Q-LOC2 offers both in a super lightweight axle.



15QLC32 / 15QLC32-110 Ø15mm, O.L.D.: 100mm/110mm Weight: 118g/122g



15QLC32S Ø15mm, O.L.D.: 100mm Weight: 108g



15AH4 (TOOL TYPE) Ø15mm, O.L.D.: 100mm / 110mm Weight: 48q / 50q



15AH3 (TOOL TYPE) Ø15mm, O.L.D.: 100mm / 110mm Weight: 65g / 69g



15AHL (TOOL TYPE) Ø15mm, O.L.D.: 110mm Weight: 42g



12AH2 (TOOL TYPE) Ø12mm, O.L.D.: 100mm



T (TOOL TYPE) Ø20mm, O.L.D.: 110mm Weight: 120g



QR (TOOL FREE) Ø20mm, O.L.D.: 110mm Weight: 120g

FEATURE	15QLC32 / 15QLC32-110	15QLC32S	15AH4 / 15AH4-110 (TOOL TYPE)	15AH3 / 15AH3-110 (TOOL TYPE)	15AHL-110 (TOOL TYPE)	12AH2	T (TOOL TYPE)	QR (TOOL TYPE)
ONE TOUCH RELEASE DESIGN	Yes	Yes	No	No	No	No	No	No
QUICK LEVER	Alloy with print	Alloy with print	-	-	-	-	-	-
COMPATIBLE O.L.D.	100mm / 110mm	100mm	100m / 110mm	100mm / 110mm	110mm	100mm	110mm	110mm
THROUGH AXLE DIAMETER	15mm	15mm	15mm	15mm	15mm	12mm	20mm	20mm
THROUGH AXLE MATERIAL	Cr-mo	Alloy	Alloy	Alloy	Alloy	Alloy	Alloy	Alloy
QUICK AXLE MATERIAL	Cr-mo	Cr-mo	-	-	-	-	-	-
WEIGHT	118g / 122g	108g	88g / 91g	65g / 69g	42g	NA	120g	120g
PART CODE	FKA069-25/26	FKA097-25/26	FKA133-02	FKA124-00	FKA116-02	FKA120-00	FKA099-02	FKA094-02

ASSEMBLY INSTRUCTIONS



INSERT QLOC





















XCR32	APPLICATION Table	T	QR	15AH4	15AH4-110	15AHL-110	15AH3	15AH3-110	15AHL-110	12AH2	15QLC32	15QLC32-110	15QLC32S
NATIONAL PARTITION AND PARTIT	RUX	•	0	-	-	-	-	-	-	-	-	-	-
AURON	DUROLUX38	-	-	-	•	-	-	-	-	-	-	-	-
AION -	DUROLUX36	-	-	-	•	-	-	-	-	-	-	-	-
ZERON - <td>AURON</td> <td>-</td> <td>-</td> <td>-</td> <td>•</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	AURON	-	-	-	•	-	-	-	-	-	-	-	-
ANOMSMERIKELITE	AION	-	-	-	•	-	-	-	-	-	-	-	-
AXON34	ZERON	-	-	-	•	-	-	-	-	-	-	•	-
RAIDON34	AXON34 WERX/ELITE	-	-	-	-	-	-	-	•	-	-	-	-
RADION32	AXON34	-	-	-	•	-	-	-	-	-	-	-	-
XCR36 - - - - - - - - -	RAIDON34	-	-	-	•	-	-	-	-	-	-	-	-
XCR34 PA PA PA PA PA PA PA P	RAIDON32	-	-	-	-	-	-	-	-	-	-	•	-
XCR32	XCR36	-	-	-	•	-	-	-	-	-	-	-	-
XCM32 BOOST - <th< td=""><td>XCR34</td><td>-</td><td>-</td><td>-</td><td>•</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>•</td><td>-</td></th<>	XCR34	-	-	-	•	-	-	-	-	-	-	•	-
XCM32 - <td>XCR32</td> <td>-</td> <td>-</td> <td>-</td> <td>_</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>•</td> <td>-</td>	XCR32	-	-	-	_	-	-	-	-	-	-	•	-
XCM34	XCM32 BOOST	-	-	-	•	-	-	0	-	-	-	-	-
MOBIE36	XCM32	-	-	•	-	-	0	-	-	-	-	-	-
MOBIESS 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	XCM34	-	-	-	•	-	0	-	-	-	-	-	-
MOBIESA BOOST	MOBIE36	-	-	-	•	-	-	-	-	-	-	-	-
MOBIESA	MOBIE35	-	-	-	•	-	-	-	-	-	-	-	-
MOBIEA34	MOBIE34 BOOST	-	-	•	•	-	-	-	-	-	-	-	-
MOBIEA32	MOBIE34	-	-	•	-	-	-	-	-	-	-	-	-
GVX -	MOBIEA34	-	-	-	•	-	-	0	-	-	-	-	-
NRX32	MOBIEA32	-	-	•	-	-	•	-	-	-	-	-	-
NVX32 B00ST	GVX	_	_	•	_		-	-	-	0	_		-
NVX32	NRX32	-	-	•						-	-	-	•
NCX32 • •	NVX32 BOOST	-		-	•		-	0		-			-
	NVX32	-	-	•	-	-	0	-	-	-	-	-	-
NEX-E25	NCX32	-	-	-	•	-	-	-	-	-	-	-	•
	NEX-E25	-	-	-	-	-	-	-	-	-	-	-	•

• standard O optional

LIGHTWEIGHT HOLLOW CROWN



STEERER TUBE



1.5"-1 1/8" TAPER CTS (Conical Tapered Steerer) Upper 1-1/8", Lower 1.5" Material: Alloy / Carbon / STKM



1.8"-1 1/8" TAPER CTS (Conical Tapered Steerer) Upper: 1-1/8", Lower 1.8" Materal: Alloy

1.8" TAPER CTS (Conical Tapered Steerer) only C74 (74mm crown size)



1-1/8" TS: Upper 1-1/8" Material: Alloy / cr-mo / STKM

STANCHION DIAMETER

WHEEL SIZE





























BRAKE TYPE





DSPOSTMOUNT DISC BRAKE TYPE



FDS
FLAT MOUNT DISC BRAKE TYPE

ABS MOUNT





MODELS WITH ABS SENSOR MOUNT:

DUROLUX38X-EVO-Boost AION38X/36X-Boost ZERON36X-Boost XCR36X-Boost XCR34X-Boost MOBIE36-Boost MOBIE35 CGO-Boost MOBIE34-Boost MOBIE34-D-Boost

MODELS WITH ABS MOUNT:

DUROLUX38X-EVO-Boost AION38X/36X-Boost ZERON36X-Boost XCR36X-Boost XCR34X-Boost MOBIE36-Boost MOBIE35 CGO-Boost MOBIE34-Boost MOBIE34-D-Boost

For detailed information regarding ABS systems and brake options, please rely on the information provided by the related ABS or brake systems manufacturers.

HEAD LAMP MOUNT



INTEGRATED TYPE ON FORK CROWN With smooth cable rooting



INTEGRATED TYPE ON FORK BRACE



UNIVERSAL MOUNT Bolt-on

CABLE GUIDE



HUB	DYNAMO CABLE GUIDE	
w/sc	rews *Ontion	

APPLICATION TABLE	ON FORK CROWN	ON FORK Brace	UNIVERSAL MOUNT	CABLE GUIDE HUB DYNAMO
EPIXON32	•			
NRX32IL	•			•
NRX32 E/ D	•			•
NCX E/ D	•			
NEX E25	•	•		•
NVX30	•			
NEX		•		•
M3010			•	•
MOBIE34 CGO	•			
MOBIE35 CGO	•			
MOBIE34 (D)	•			
MOBIE-A34	•			
MOBIE-A32	•			
NCX32-SP	•			
XCT			•	
XCE			•	
XCM32			•	
NVX32			•	

SHORT FENDER



APPLICATION TABLE	SHORT Fender type
RUX BOOST	•
DUROLUX38/36 BOOST	•
AURON BOOST	•
AION38/36 BOOST	•
ZERON36 BOOST	•
AXON34 WERX/ELITE BOOST	•
AXON34 BOOST	•
RAIDON34/32 BOOST	•
XCM32	•
EPIXON32	-
GVX	•
XCT	-
XCE	-
M3010	-
MOBIE36/35/34 BOOST	•
MOBIE34/25/A34/A32	-
GVX	•
NRX32IL/32	-
NCX32	-
NEX	-
NVX32	-
NVX30	-
M3010	-

LONG FENDER MOUNTS



LONG FENDER TYPEDisc brake type



LONG FENDER TYPE V-brake

APPLICATION TABLE		LONG FENDER TYPE
AFFEIGATION TABLE	DISC BRAKE	V-BRAKE
RUX BOOST	-	-
DUROLUX38/36 BOOST	•	-
AURON BOOST	•	
AION38/36 BOOST	•	-
ZERON36 BOOST	•	-
AXON34 BOOST	•	-
RAIDON34/32 BOOST	•	-
XCR36/34/32 BOOST	•	
XCM32 BOOST	•	-
XCM32	•	-
XCM34	•	-
EPIXON32	•	-
XCE	-	-
M3010	-	•
MOBIE36/35/34 BOOST	•	-
MOBIE34/A34/A32	•	-
GVX	•	-
NRX	•	-
NCX32/NCX32 BOOST	•	-
NVX32/30 / NX32 BOOST	•	-
NEX/E25	•	•

