

SASUNTOUR 

SUSPENSION FORK GLOSSARY

V.3.0_07-2022





EQM

34

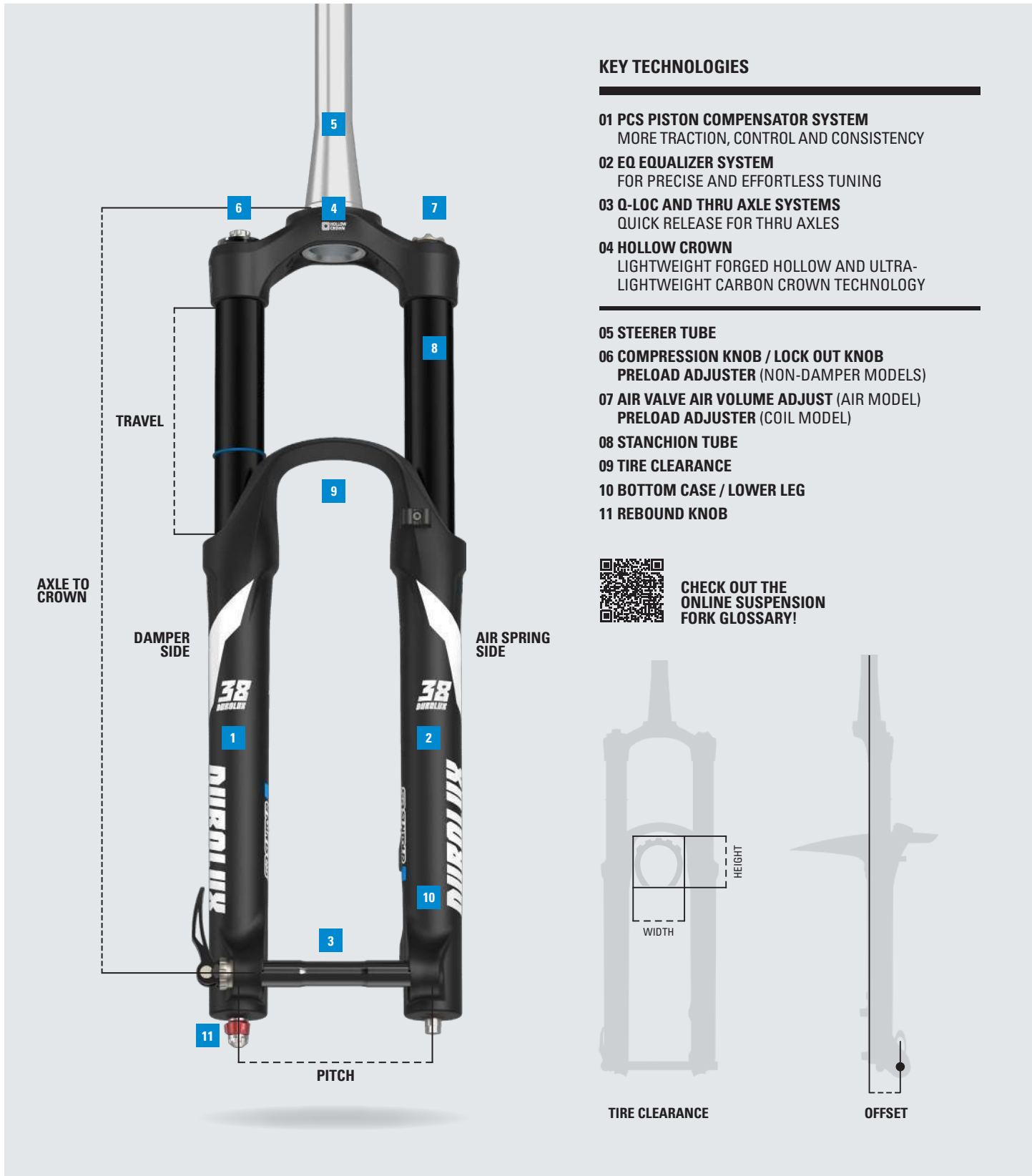
AXON

STANNOUR

WARNING!

GLOSSARY SUSPENSION FORK

OVERVIEW



EQ EQUALIZER SYSTEM

FOR PRECISE & EFFORTLESS AIR SPRING TUNING

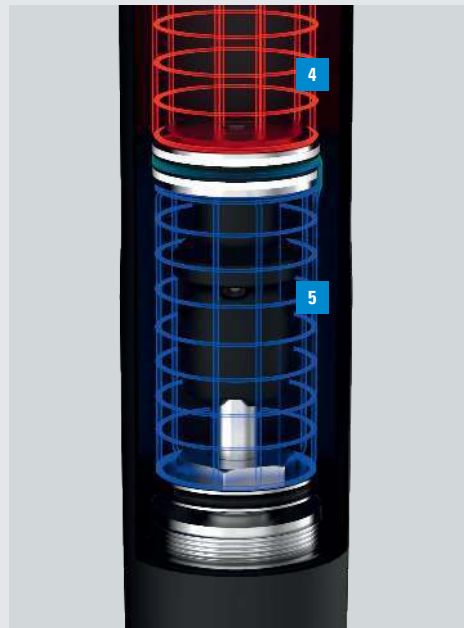


**WATCH THE
DUROLUX EQ
VIDEO**

LEARN MORE AT WWW.SRSUNTOUR.COM/EQ



- 01 Positive air chamber
- 02 Transfer port
- 03 Negative air Chamber
- 04 Positive air pressure
- 05 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 all-new air EQ system. The EQ system perfectly equalizes the rider's weight to the spring curve which results in the exact positioning and support you need. This results in a customized feel for each individual rider optimizing sag and volume control. Pairing the EQ system with the external damping adjustments of our PCS cartridges results in 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 automatically 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



**WATCH THE
PCS VIDEO**

LEARN MORE AT WWW.SRSUNTOUR.COM/PCS



- 01 Low speed compression
- 02 High speed compression
- 03 Air
- 04 PCS avoids vacuum effect
- 05 Oil (Red and blue marked area)
- 06 Piston management of high / low speed compression



PERFORMANCE

Performance thru Controlled Speed. We believe we have developed a refined damper platform that can perform at any riding level, functions simply and follows our QSP philosophy.

CONTROL

PCS is 17 years of constant refinement within our cartridge science program. PCS is a simple and repeatable way, to reduce cavitation (air and oil mixing, creating pressure, building bubbles) inside the cartridge. This separation significantly reduces cavitation, which provides consistent and predictable damping performance at a WC DH level as well as throughout an entire season of ambitious riding.

LONGEVITY

Performance to us needs to be proven in the long run. Single cartridges with more than 200,000 cycles on our testing machines and countless hours with our WERX team have proven that our PCS is built to ride more hours and spend less time in a stand. But when the time comes for some fork care, service must be possible, quick and easy. All parts can be disassembled and the system can be bled and re-assembled again without the use of special tools. Quick Service Product (QSP) is our approach to apply simplicity to our designs.



PCS CARTRIDGES

R2C2-PCS



**HIGH AND LOW SPEED
COMPRESSION ADJUST
HIGH AND LOW SPEED
REBOUND
PCS SYSTEM (PISTON
COMPENSATOR SYSTEM)**

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

- New high speed compression piston provides a larger adjustable range
- New adjustable high speed rebound design provides fast recovery for improved ride height position
- Updated internal seals greatly improved durability for Trail, Enduro and DH riding
- Forged alloy adjust knobs with integrated design
- Light "Click" index feeling for easy and sure operation



RC2-PCS



**HIGH AND LOW SPEED
COMPRESSION ADJUST
REBOUND ADJUST
PCS SYSTEM
(PISTON COMPENSATOR
SYSTEM)**

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

- New high speed compression piston provides a larger adjustable range
- Updated internal seals greatly improved durability for Trail, Enduro and DH riding
- Forged alloy adjust knobs with integrated design
- Light "Click" index feeling for easy and sure operation



RC-PCS



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

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

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



R-3CR-PCS / R-2CR-PCS



**3 OR 2 POSITIONS OF
COMPRESSION ADJUST**
LOW SPEED REBOUND ADJUST
REMOTE LOCK OUT
**PCS SYSTEM (PISTON
COMPENSATOR SYSTEM)**

- 2CR with low speed compression at firm setting and open setting. Low speed rebound adjust damping.
- 3CR with low speed compression at firm setting, medium setting and open setting. Low speed rebound adjust damping.
- Forged alloy adjust knobs with integrated design
- Light "Click" index feeling for easy and sure operation
- New ergonomic design remote lock lever for faster and easier operation



3CR-PCS / 2CR-PCS



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

- 2CR with low speed compression at firm setting and open setting. Low speed rebound damping.
- 3CR with low speed compression at firm setting, medium setting and open setting. Low speed rebound damping.
- Forged alloy adjust knobs with integrated design
- Light "Click" index feeling for easy and sure operation



RLRC-PCS



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

- 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
- Light "Click" index feeling for easy and sure operation
- New ergonomic design remote lock lever for faster and easier operation



LORC-PCS



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

- 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
- Light "Click" index feeling for easy and sure operation



RIDER KURTIS DOWNS
LOCATION 10TH ANNIVERSARY RUX WORLD TOUR,
HIGHLAND MOUNTAIN BIKE PARK, NH USA
PHOTO HOSHI YOSHIDA



DAMPING ADJUSTMENT



R2C2-PCS

High & low speed compression and High & low speed rebound damping adjusts with blow-off feature along with PCS system.



RC2-PCS

High & low speed compression and low speed rebound damping adjusts with blow-off feature along with PCS system.



RC-PCS

Low speed compression and low speed rebound damping adjusts with blow-off feature along with PCS system.



R-3CR-PCS

Remote Lockout with 3 positions of compression (firm setting, medium setting and open setting) with low speed rebound adjust 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

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.



RC2

High & low speed compression and low speed rebound damping adjusts with blow-off feature.



RC

Low speed compression and low speed rebound damping adjusts with blow-off feature.



2CR

2 positions of compression (firm setting and open setting) with low speed rebound adjust.

NAME	FUNCTION
3CR	3 positions of compression & Low Speed Rebound
R-3CR	3 positions of compression & Low Speed Rebound w/remote lever
2CR	2 positions of compression & Low Speed Rebound
R-2CR	2 positions of compression & Low Speed Rebound w/remote lever
R2C2	High/Low Speed Rebound & High/Low Speed Compression
RC2	Low Speed Rebound & High/Low Speed Compression
RLRC	Low Speed Rebound & Low Speed Compression w/Remote Lock Out
LORC	Low Speed Rebound & Low Speed Compression w/Lock Out
RLR	Low Speed Rebound w/Remote Lock Out

NAME	FUNCTION
LOR	Low Speed Rebound w/Lock Out
RC	Low Speed Rebound & Low Speed Compression
RL	Remote Lock Out w/Fixed Rebound
LO	Lock Out with Fixed Rebound & Blow-Off Feature
LOR8	Low Speed Rebound with Lock Out 80%
NLO	Hydraulic Lock Out w/Fixed Rebound
HLO	Hydraulic Lock Out w/o Rebound
R	Low Speed Rebound
PCS	Piston Compensator System



RLRC
Hydraulic Remote Lockout with adjustable rebound and compression damping with blow-off feature.



LORC
Hydraulic Lockout with adjustable rebound and compression damping 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.



NLO
Hydraulic Lockout with fixed rebound damping.



HLO
Hydraulic Lockout without rebound damping.

APPLICATION TABLE	R2C2	RC2	3CR	2CR	RC	R-3CR	R-2CR	RLRC	LORC	RLR	LOR	RL	LO	HLO	NLO
RUX	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-
DUROLUX	●	●	-	-	●	-	-	-	-	-	-	-	-	-	-
AION	-	-	●	-	●	●	●	●	●	-	-	-	-	-	-
ZERON35	-	-	●	●	●	-	●	-	-	●	●	-	-	-	-
AXON	-	-	-	-	-	-	-	●●	●●	-	-	-	-	-	-
RAIDON	-	-	-	●	-	-	●	-	-	●	●	-	-	-	-
XCR	-	-	-	●	-	-	●	-	-	●	●	●	●	-	-
X1	-	-	-	-	-	-	-	-	-	●	●	●	●	-	-
XCM	-	-	-	-	-	-	-	-	-	-	●	●	●	●	●
XCT	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●
MOBIE35	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-
MOBIE34	-	-	●	●●	-	-	●	-	-	-	-	-	-	-	-
MOBIE34 CGO	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-
MOBIE25	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-
MOBIEA32	-	-	-	-	-	-	-	-	-	-	-	●	●	-	●
GVX	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-
NRX	-	-	-	-	-	-	-	-	-	●	●	●	●	-	-
NCX32/NCX	-	-	-	-	-	-	-	-	-	-	-	●	●	●	-
NX1/TR-HSI	-	-	-	-	-	-	-	-	-	-	-	●	●	●	-
NVX	-	-	-	-	-	-	-	-	-	-	-	●	-	-	●
NEX	-	-	-	-	-	-	-	-	-	-	-	●	-	●	●
CR85	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-

● PCS CARTRIDGE



RIDER TOM PIDCOCK
 LOCATION WORLD CUP 2022
 NOVE MESTO NA MORAVE, CZECH REPUBLIC
 PHOTO REMY VROONEN

SPRING SYSTEM



AIR EQ
 Dual air spring system



AIR
 Standard air spring



COIL ADJUSTABLE
 Coil spring with adjustable
 preload



COIL
 Coil spring

APPLICATION TABLE	AIR EQ	AIR	COIL ADJUSTABLE	COIL
RUX	●	●	-	-
DUROLUX	●	-	-	-
AION	●	-	-	-
ZERON35	●	-	●	-
AXON	●	●	-	-
RAIDON	●	●	-	-
XCR	-	●	●	-
X1	-	-	●	-
XCM	-	●	●	-
XCT	-	●	●	-
XCE	-	-	●	-
M3010	-	-	●	●
MOBIE34/25	●	●	●	-
MOBIE35	●	-	-	-
MOBIEA32	-	-	●	-
GVX	-	●	-	-
NRX	-	●	●	-
NCX32/NCX	-	●	●	-
NX1/TR-HSI	-	-	●	-
NVX	-	-	●	-
NEX	-	-	●	-
CR85	-	-	●	-

ADJUSTABLE AIR CHAMBER VOLUME

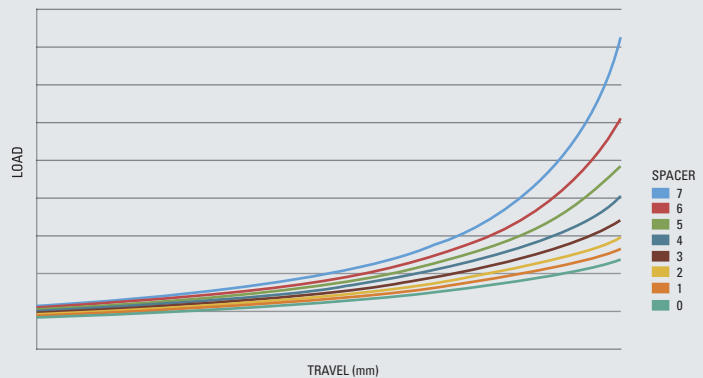
VOLUME SPACER LOGIC

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.

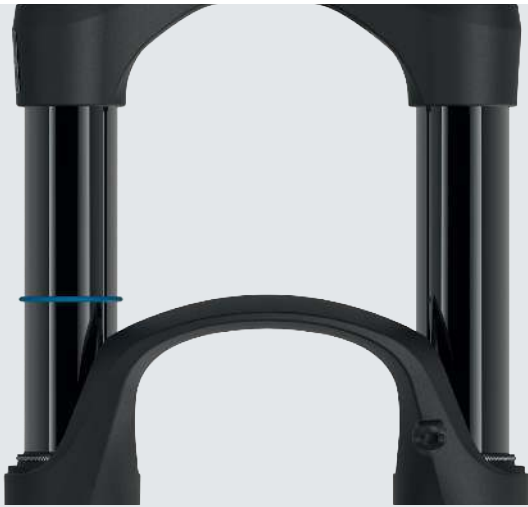


RIDING STYLE	RIDER WEIGHT Pressure 25% Sag	55-65 Kg 55 PSI	65-75 Kg 65 PSI	75-85 Kg 75 PSI
	Aggressive	●	●●	●●●
Balanced	●	●●	●●●	●●●●
Easy	●	No Spacer	●	●●

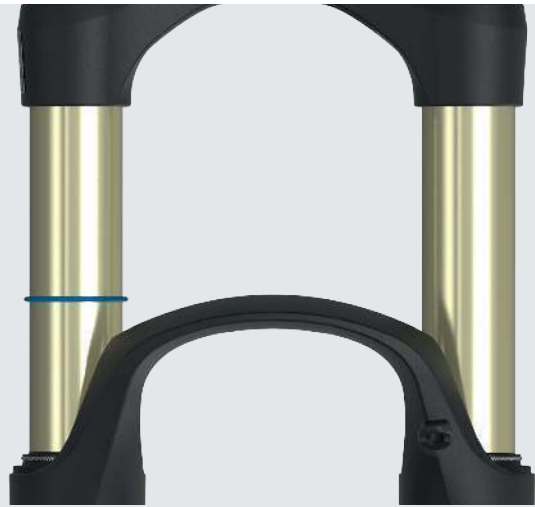
EXAMPLE SPRING CHARACTERISTIC: DUROLUX EQ 29, 160mm travel



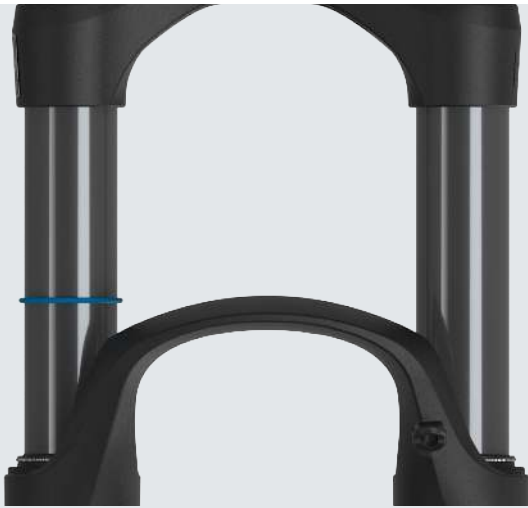
STANCHION



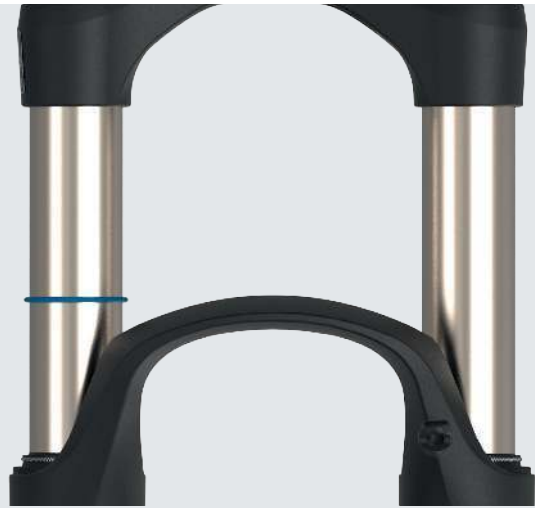
HARD ANODIZED BLACK A7 / A6000 series aluminum



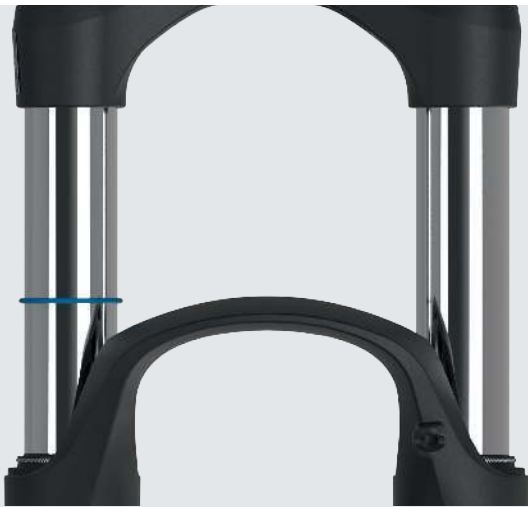
HARD ANODIZED GOLD A7 / A6000 series



BLACK STKM



NI-PLATING STKM



CR-PLATING STKM



BOTTOM CASE COLORS



MATT BLACK
Color code YS727



GLOSS BLACK
Color code YS728



TEAM GRAY
Color code YS7341



GLOSS WHITE
Color code YS701

DECALS



COMPANY COLOR
Black



COMPANY COLOR
White



TEAM GRAY
Gray



STEALTH
with glossy decal



STEALTH
with matt 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 (Q-LOC2-Ti 70g).



20QLC2
 Ø20mm, O.L.D.: 110mm
 Weight: 140g



20LH-110
 Ø20mm, O.L.D.: 110mm
 Weight: 96g



15QLC2Ti / 15QLC2Ti-110
 Ø15mm, O.L.D.: 100mm / 110mm
 Weight: 68g / 71g



15QLC2 / 15QLC2-110
 Ø15mm, O.L.D.: 100mm
 Weight: 112g



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



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



15AH2 / 15AH2-110 (TOOL TYPE)
 Ø15mm, O.L.D.: 100mm / 110mm
 Weight: 50g



15LH / 15LH-110
 Ø15mm, O.L.D.: 100mm (15LH),
 110mm (15LH-110)
 Weight: 88g (15LH), 91g (15LH-110)



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



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



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

ASSEMBLY INSTRUCTIONS

REMOVE
QLOC



INSERT
QLOC




WATCH THE
VIDEO TUTORIAL!

APPLICATION TABLE	T	QR	15AH2	15LH / 15LH-110	12AH	15AH2-110	20QLC2	20QLC2-110	20LH-110	15QLC2	15QLC2-110	15QLC32	15QLC32-110	15QLC2T1	15QLC2T1-110	15QLC32S
RUX	●	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUROLUX38	-	-	-	●	-	-	-	-	○	-	-	-	-	-	-	-
DUROLUX36	-	-	-	-	-	-	-	-	-	-	-	-	●	-	●	-
AION	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-
ZERON35	-	-	-	●	-	-	-	-	-	-	-	-	●	-	-	-
AXON34 WERX/ELITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-
AXON34/32	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-
RAIDON	-	-	-	●	-	-	-	-	-	-	-	●	●	-	-	-
XCR	-	-	-	●	-	-	-	-	-	-	-	●	●	-	-	-
XCM	-	-	●	-	-	●	-	-	-	-	-	-	○	-	-	-
MOBIE35	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-
MOBIE34/25	-	-	-	●	-	●	-	-	-	-	-	●	-	-	-	-
MOBIEA32	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-
GVX	-	-	●	-	○	-	-	-	-	-	-	-	-	-	-	-
NRX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
NCX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
NEX-E25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●

● standard ○ optional

FEATURE	15QLC2T1 / 15QLC2T1-110	15QLC2 / 15QLC2-110	15QLC32 / 15QLC32-110	15QLC32S	15LH / 15LH-110	20QLC	20LH-110	15AH2 / 15AH2-110 (TOOL TYPE)
ONE TOUCH RELEASE DESIGN	Yes	Yes	Yes	Yes	No	Yes	No	No
QUICK LEVER	Alloy with CNC machined hole	Alloy with print	Alloy with print	Alloy with print	Alloy with print	Alloy with print	Alloy with print	-
COMPATIBLE Q.L.D.	100mm / 110mm	100mm / 110mm	100mm / 110mm	100mm	100mm / 110mm	110mm	110mm	100mm / 110mm
THROUGH AXLE DIAMETER	15mm	15mm	15mm	15mm	15mm	20mm	20mm	15mm
THROUGH AXLE MATERIAL	Alloy (A7075)	Alloy	Cr-mo	Alloy	Alloy	Cr-mo	Alloy	Alloy
QUICK AXLE MATERIAL	Titanium	Cr-mo	Cr-mo	Cr-mo	Cr-mo	Cr-mo	Cr-mo	-
WEIGHT	70g / 72g	112g / 116g	118g / 122g	108g	88g / 91g	140g	96g	NA
PART CODE	FKA069-15	FKA069-05	FKA069-25/26	FKA097-25/26	FKA116-12/ 02	FKA068-05	FKA123-00	FKA117-02

LIGHTWEIGHT HOLLOW CROWN



HOLLOW CROWN
HOLLOW CROWN TECHNOLOGY
 Lightweight forged Hollow Crown Technology



CARBON
CARBON CROWN TECHNOLOGY
 Ultra-Lightweight Carbon 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"
 Material: 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



P
PIVOT BRAKE TYPE AKA. V-BRAKE



DS
POSTMOUNT DISC BRAKE TYPE



FDS
FLAT MOUNT DISC BRAKE TYPE

ABS MOUNT



ABS systems are improving safety aspects while braking.

WITH ABS-WSS (WHEEL SPEED SENSOR) MOUNTING POINTS AS STANDARD FEATURE WE ARE SUPPORTING ABS SYSTEMS WITH THE FOLLOWING MODELS:

DUROLUX38 29" / 27.5", AION36 29" / 27.5"
MOBIE35, ZERON35 29" / 27.5", MOBIE34 29" / 27.5"
MOBIE34 CARGO 24" / 20"

THE NEW BOSCH ABS GENERATION 2 WE SPECIFICALLY SUPPORT WITH OPTIONAL ABS DIRECT MOUNTS FOR THE FOLLOWING MODELS:

DUROLUX38 29" / 27.5", AION36 29" / 27.5", MOBIE35,
ZERON35 29" / 27.5", MOBIE34 29" / 27.5"

For MOBIE34 Cargo forks 24" and 20" ABS systems need to be positioned on the frame of the bike.

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 routing



INTEGRATED TYPE ON FORK BRACE



UNIVERSAL MOUNT
Bolt-on

SHORT FENDER



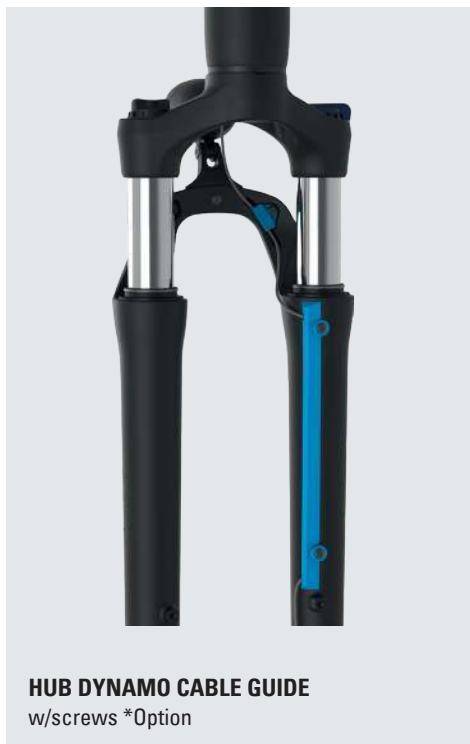
SHORT FENDER MOUNT
Detachable integrated short fender

FENDER MOUNTS



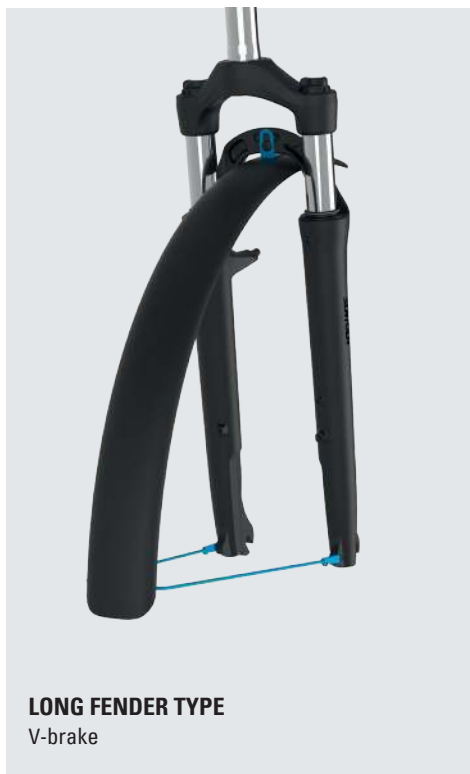
LONG FENDER TYPE
Disc brake type

CABLE GUIDE



HUB DYNAMO CABLE GUIDE
w/screws *Option

APPLICATION TABLE	ON FORK CROWN	ON FORK BRACE	UNIVERSAL MOUNT	CABLE GUIDE HUB DYNAMO
XCR32-ATB	●	-	-	-
XCM32-ATB	●	-	-	-
XCT	-	-	●	-
XCE	-	-	●	-
M3010	-	-	●	●
MOBIE35/34/25/A32	●	-	-	-
NCX	-	●	-	●
NCX32	●	-	-	-
TR-HSI	-	-	●	-
NVX	●	-	-	-
NEX-E25-C	●	-	-	●
NEX-E25	-	●	-	●
NEX	-	●	-	●
CR85-25	-	●	●	●



LONG FENDER TYPE
V-brake

APPLICATION TABLE	SHORT FENDER TYPE	LONG FENDER TYPE DISC BRAKE	LONG FENDER TYPE V-BRAKE
RUX BOOST	●	-	-
DUROLUX BOOST	●	●	-
AION BOOST	●	●	-
ZERON36/35 BOOST	●	●	-
AXON34 WERX/ELITE BOOST	●	-	-
AXON34/32 BOOST	●	●	-
RAIDON34/32 BOOST	●	●	-
RAIDON	-	●	-
XCR34/32 BOOST	●	●	-
XCR	-	●	-
XCR32-ATB	-	●	-
X1-BOOST	●	●	-
XCM32	-	●	-
XCM32-ATB	-	●	-
M3010	-	-	●
MOBIE35/34 BOOST	●	●	-
MOBIE34/25/A32	-	●	-
GVX	●	●	-
NRX	-	●	-
NCX	-	●	-
NCX32	-	●	-
NVX	-	●	-
NEX	-	●	●
CR85-25	-	●	●