



# ***REAR SHOCK GLOSSARY***

V.1.0\_07-2024

# OVERVIEW



## KEY TECHNOLOGIES

- 01 AIR CANISTER
- 02 SHAFT
- 03 PIGGYBACK RESERVOIR
- 04 IFP VALVE CAP (INTERNAL FLOATING PISTON)
- 05 UPPER EYELET (A)
- 06 LOWER EYELET (B)
- 07 REBOUND ADJUSTMENT KNOB
- 08 COMPRESSION ADJUSTMENT
- 09 O-RING
- 10 BUSHING
- 11 AIR VALVE



CHECK OUT THE  
ONLINE REAR  
SHOCK GLOSSARY!

# AIR SPRING MOUNT

**TRUNNION MOUNT**

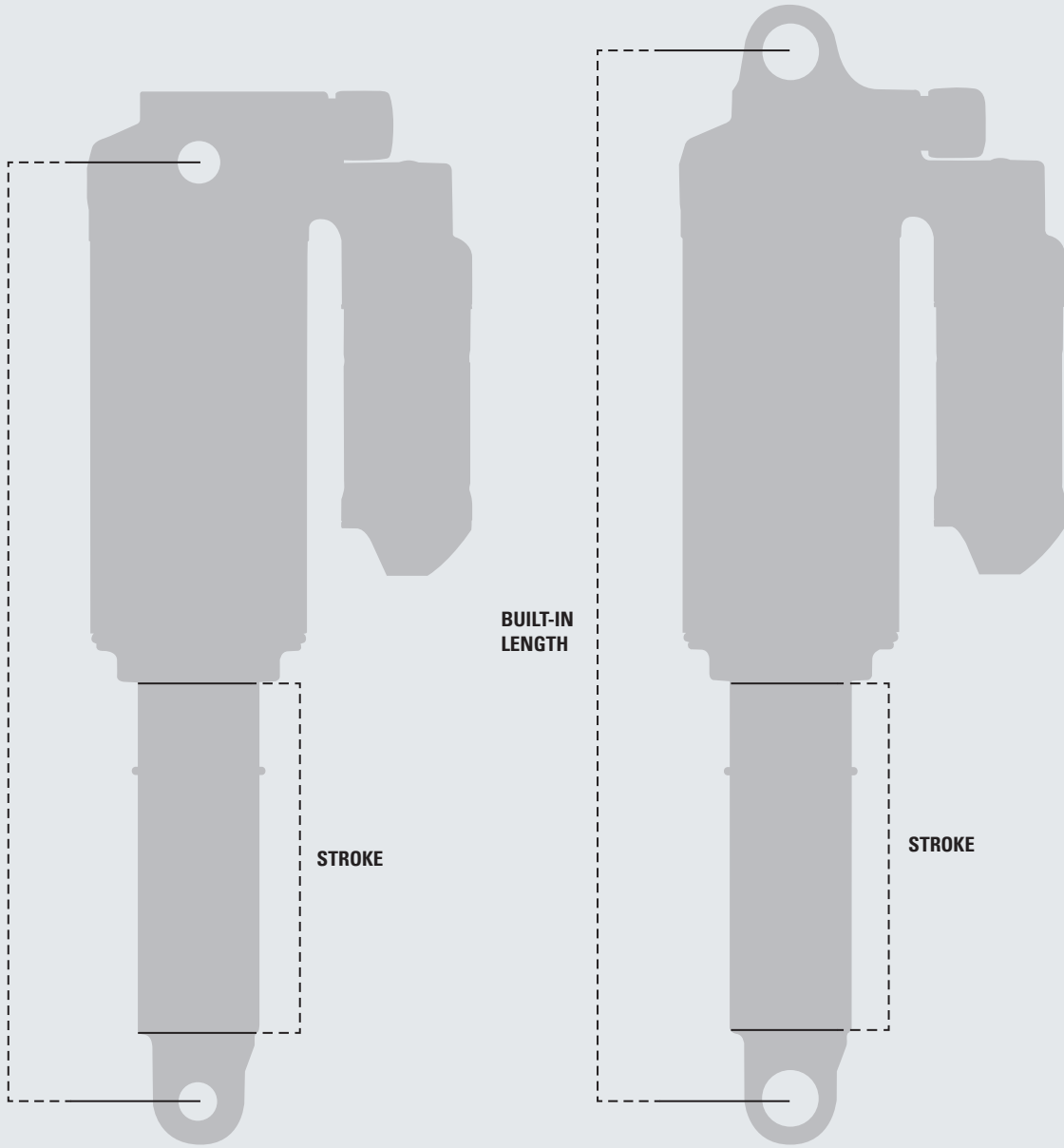
**STANDARD MOUNT**

**BUILT-IN  
LENGTH**

**BUILT-IN  
LENGTH**

**STROKE**

**STROKE**



# DIMENSIONS



EDGE PLUS INCH		EDGE PLUS METRIC		EDGE PLUS TRUNNION	
EYE TO EYE	STROKE	EYE TO EYE	STROKE	EYE TO EYE	STROKE
152 mm	31 mm	170 mm	27.5/30/32.5/35 mm	145 mm	27.5/30/32.5/35 mm
165 mm	38 mm	190 mm	37.5/40/42.5/45 mm	165 mm	37.5/40/42.5/45 mm
184 mm	44 mm	210 mm	47.5/50/52.5/55 mm	185 mm	47.5/50/52.5/55 mm
190 mm	51 mm	-	-	-	-
200 mm	51/57 mm	-	-	-	-



EDGE INCH		EDGE METRIC		EDGE TRUNNION	
EYE TO EYE	STROKE	EYE TO EYE	STROKE	EYE TO EYE	STROKE
152 mm	31 mm	170 mm	27.5/30/32.5/35 mm	145 mm	27.5/30/32.5/35 mm
165 mm	38 mm	190 mm	37.5/40/42.5/45 mm	165 mm	37.5/40/42.5/45 mm
184 mm	44 mm	-	-	185 mm	47.5/50/52.5/55 mm
190 mm	51 mm	-	-	-	-



EDGE EVO INCH		EDGE EVO METRIC		EDGE EVO TRUNNION	
EYE TO EYE	STROKE	EYE TO EYE	STROKE	EYE TO EYE	STROKE
200 mm	57 mm	190 mm	37.5/40/42.5/45 mm	165 mm	37.5/40/42.5/45 mm
-	-	210 mm	47.5/50/52.5/55 mm	185 mm	47.5/50/52.5/55 mm
-	-	230 mm	57.5/60/62.5/65 mm	205 mm	57.5/60/62.5/65 mm
200 mm	51 mm	-	-	-	-



EDGE X INCH		EDGE X METRIC		EDGE X TRUNNION	
EYE TO EYE	STROKE	EYE TO EYE	STROKE	EYE TO EYE	STROKE
152 mm	31 mm	170 mm	27.5/30/32.5/35 mm	145 mm	27.5/30/32.5/35 mm
165 mm	38 mm	190 mm	37.5/40/42.5/45 mm	165 mm	37.5/40/42.5/45 mm
184 mm	44 mm	210 mm	47.5/50/52.5/55 mm	185 mm	47.5/50/52.5/55 mm
200 mm	51 mm	-	-	-	-



TRIAIR INCH		TRIAIR METRIC		TRIAIR TRUNNION	
EYE TO EYE	STROKE	EYE TO EYE	STROKE	EYE TO EYE	STROKE
200 mm	57 mm	210 mm	47.5/50/52.5/55 mm	185 mm	47.5/50/52.5/55 mm
216 mm	63 mm	230 mm	57.5/60/62.5/65 mm	205 mm	57.5/60/62.5/65 mm
-	-	-	-	225 mm	67.5/70/72.5/75 mm



TRIAIR 2 INCH		TRIAIR 2 METRIC		TRIAIR 2 TRUNNION	
EYE TO EYE	STROKE	EYE TO EYE	STROKE	EYE TO EYE	STROKE
200 mm	51 mm	190 mm	37.5/40/42.5/45 mm	185 mm	47.5/50/52.5/55 mm
		210 mm	47.5/50/52.5/55 mm	205 mm	57.5/60/62.5/65 mm
		230 mm	57.5/60/62.5/65 mm	225 mm	67.5/70/72.5/75 mm
		250 mm	67.5/70/72.5/75 mm	-	-



RAIDON INCH		RAIDON METRIC	
EYE TO EYE	STROKE	EYE TO EYE	STROKE
152 mm	31 mm	170 mm	27.5/30/32.5/35 mm
165 mm	38 mm	190 mm	37.5/40/42.5/45 mm
184 mm	44 mm	-	-
190 mm	51 mm	-	-





# DAMPING ADJUSTMENT



**3CR**  
3 positions of compression (firm setting, medium setting and open setting) with rebound adjust



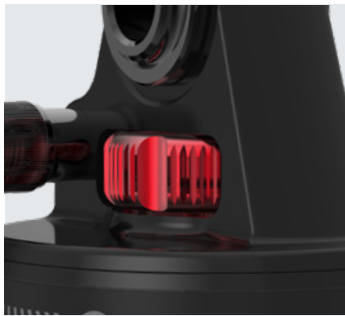
**2CR**  
2 positions of compression (firm setting and open setting) with rebound adjust



**RC**  
Low speed compression and low speed rebound damping adjust



**R**  
Low speed rebound adjust = 1x adjust sufficient



**R**  
Low speed rebound damping adjust



**R-2CR**  
Remote Lockout (with firm compression setting and open compression setting) with low speed rebound damping adjust



**LO**  
Hydraulic Lockout with low speed compression

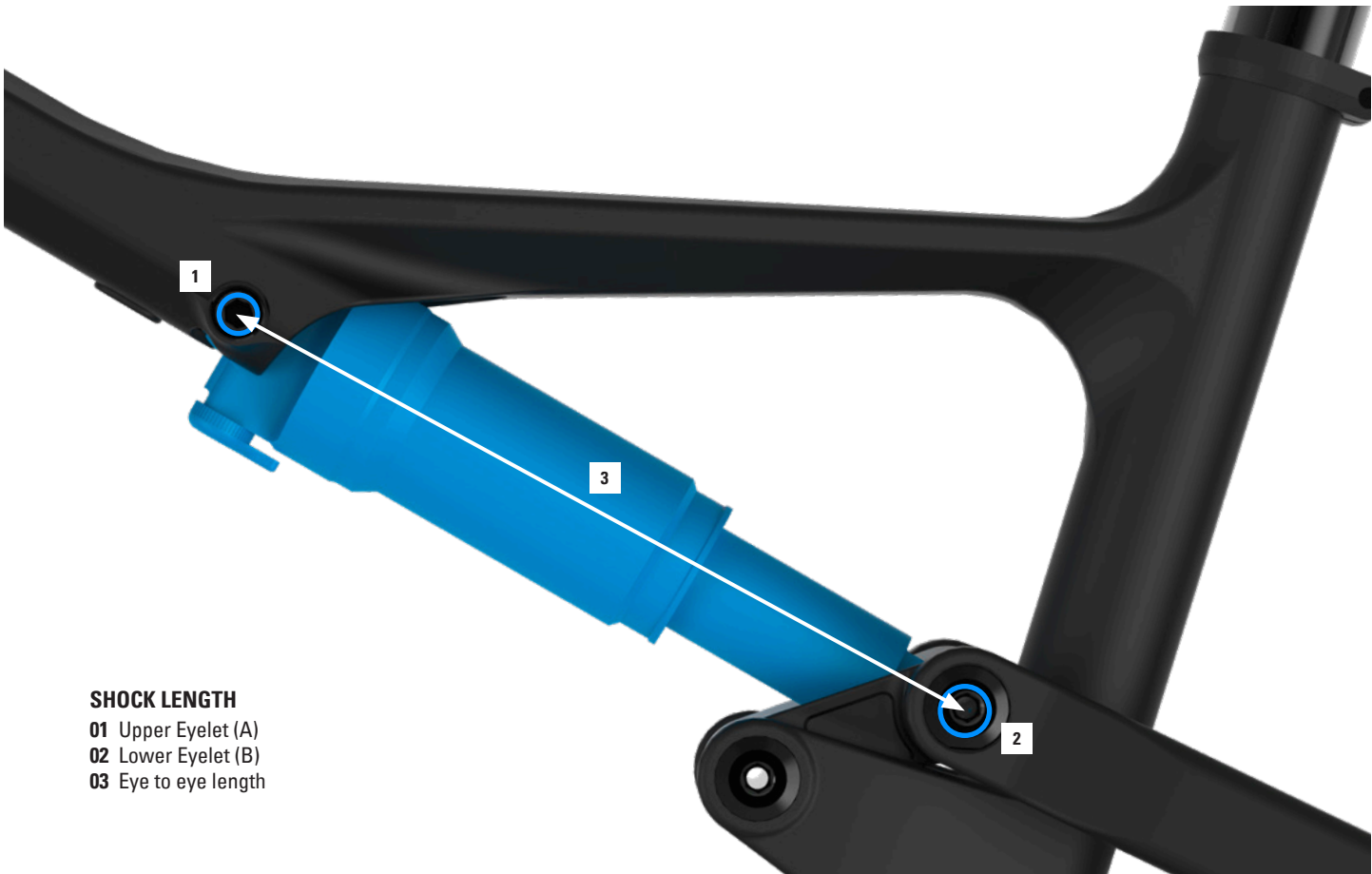


**LOR / LOR8**  
LOR: 2-step compression adjust open/lockout with low speed rebound adjust / LOR8: 2CR = 2-step compression adjust with open/ firm with low speed rebound adjust

- Compression damping adjust
- Rebound damping adjust

APPLICATION TABLE	3CR	2CR	RC	R	R-2CR	LO	LOR	LOR8
TRIAIR2	●	●	-	●	-	-	-	-
TRIAIR	●	-	-	●	-	-	-	-
EDGE PLUS	-	●	●	●	-	-	-	-
EDGE	-	-	●	●	-	-	●	●
EDGE EX	-	●	●	●	-	-	-	-
EDGE EVO	-	●	-	●	●	-	-	-
RAIDON	-	-	-	●	-	●	-	-

# SHOCK LENGTH - HOW TO MEASURE TOTAL LENGTH / STROKE LENGTH



# STROKE LENGTH

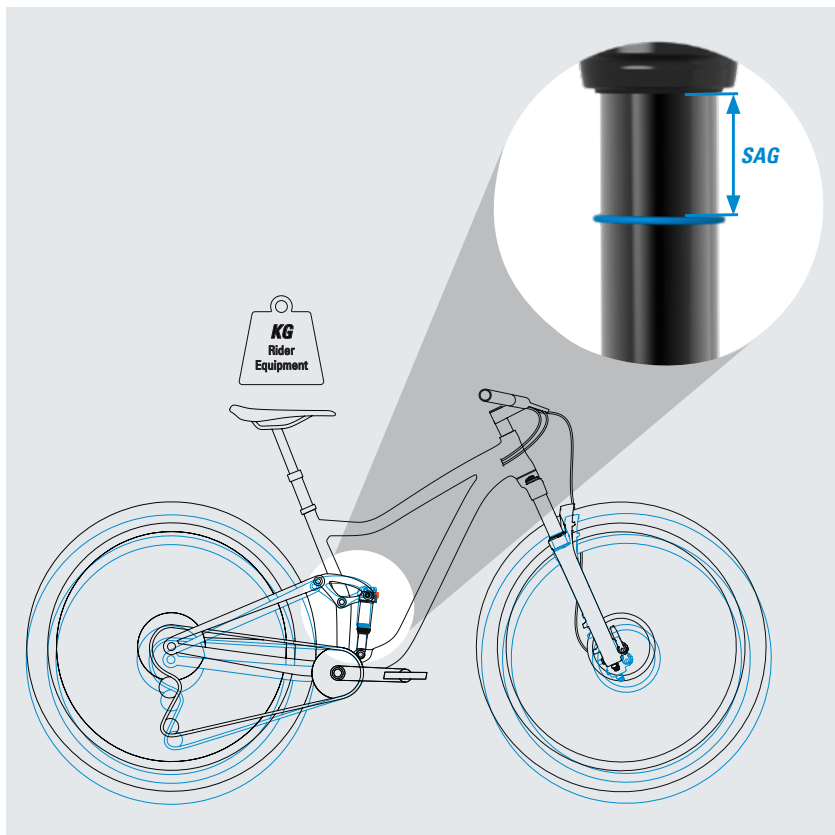
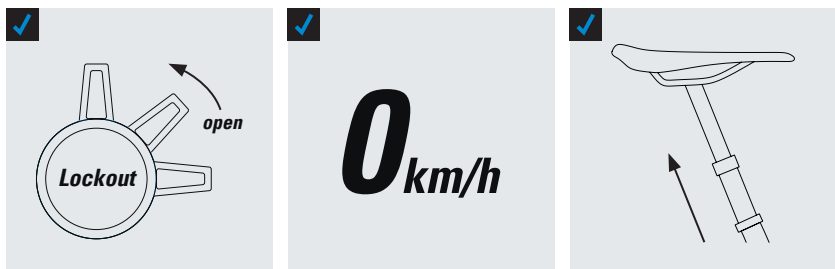


- STROKE LENGTH**
- 01 Measure the eye to eye length
  - 02 Attach a shock pump and slowly remove all the air from the shock. Compress the shock fully and measure the eye to eye length again.
  - 03 Subtract this measurement from the initial eye to eye length to find the usable stroke.





# SAG - HOW TO MEASURE SAG



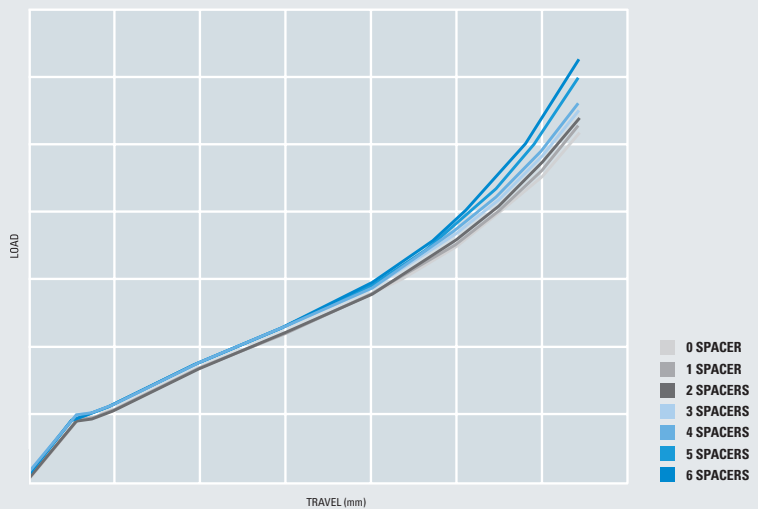
TRAVEL (mm) METRIC / TRUNNION	TRAVEL (mm) IMPERIAL	20% SAG (mm)	25% SAG (mm)	30% SAG (mm)
30	-	6	7,5	9
-	31	6.2	7.75	9.3
35	-	7	8.75	10.5
-	38	7.6	9.5	11.4
40	-	8	10	12
-	44	8.8	11	13.2
45	-	9	11.25	13.5
50	-	10	12.5	15
-	51	10.2	12.75	15.3
55	-	11	13.75	16.5
-	57	11.4	14.25	17.1
60	-	12	15	18
-	63	12.6	15.75	18.9
65	-	13	16.25	19.5
70	-	14	17.5	21
75	-	15	18.75	22.5



# ADJUSTABLE AIR CHAMBER VOLUME



**EXAMPLE SPRING CHARACTERISTIC: EDGE AIR**  
Shock size 230x65; Pos Air Pressure 100psi; IFP pressure 300 psi



## AIR VOLUME SPACER

**SPACER POSITIV**  
Manage progression rate  
Bottomless feeling

**SPACER NEGATIV**  
Manage beginning  
Stroke sensitivity

— Add or remove your desired amount of air volume spacers

— Push downward to remove the high volume air sleeve

## AIR CHAMBERS

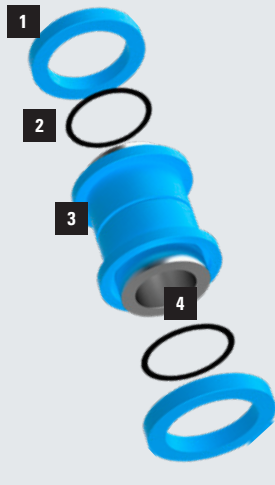
- 01 Positive air chamber
- 02 Negative air chamber



# BUSHING - PARTS

## 7-PIECE BUSHING

- 01 Eyelet bushings
- 02 Sealing rings
- 03 Igus bushings
- 04 Axle / pin



## 3-PIECE BUSHING

- 01 Eyelet bushings
- 02 DU bushing



# BUSHING - HOW TO MEASURE HARDWARE SIZE



1 Width



2 Bolt diameter

# AIR VOLUME OPTIONS



**TRI AIR / OPTION 1**

SV: Small positive air volume and small negative air volume.



**TRI AIR / OPTION 2**

LVN: Small positive air volume and large negative air volume.



**TRI AIR 2 / OPTION 1**

SV: Small positive air volume and small negative air volume.



**TRI AIR 2 / OPTION 2**

LVN: Small positive air volume and large negative air volume.



**EDGE EVO / OPTION 1**

LVN: Small positive air volume and large negative air volume.



**EDGE EVO / OPTION 2**

LV: Large positive air volume and large negative air volume.



**EDGE X / OPTION 1**

LV: Large positive air volume and large negative air volume.



**EDGE X / OPTION 2**

SV: Small positive air volume and small negative air volume.