



REAR SHOCK GLOSSARY

V.1.0_08-2025

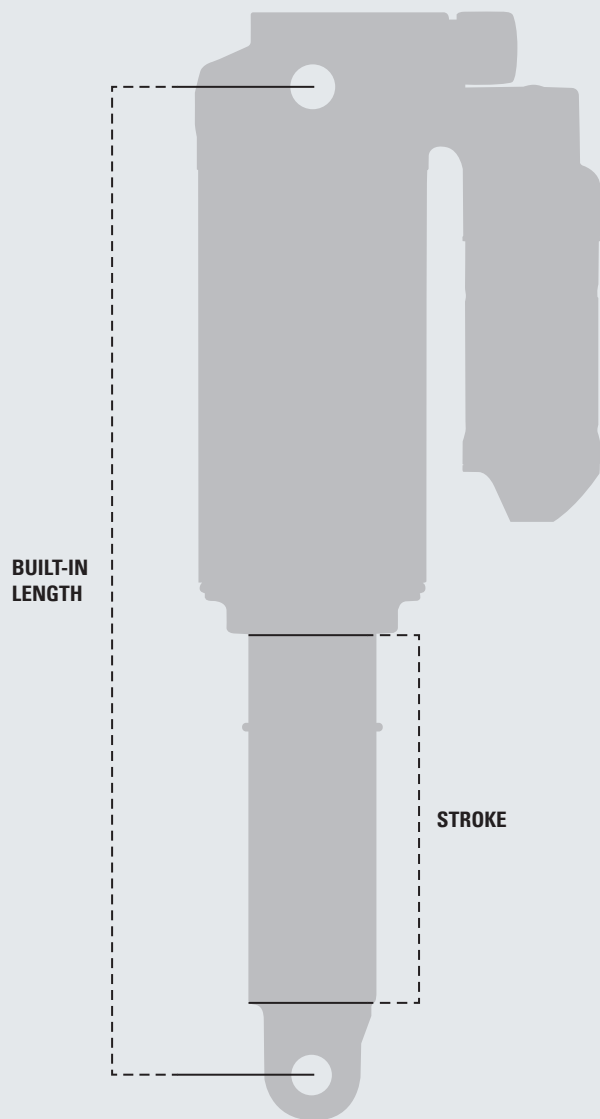


KEY TECHNOLOGIES

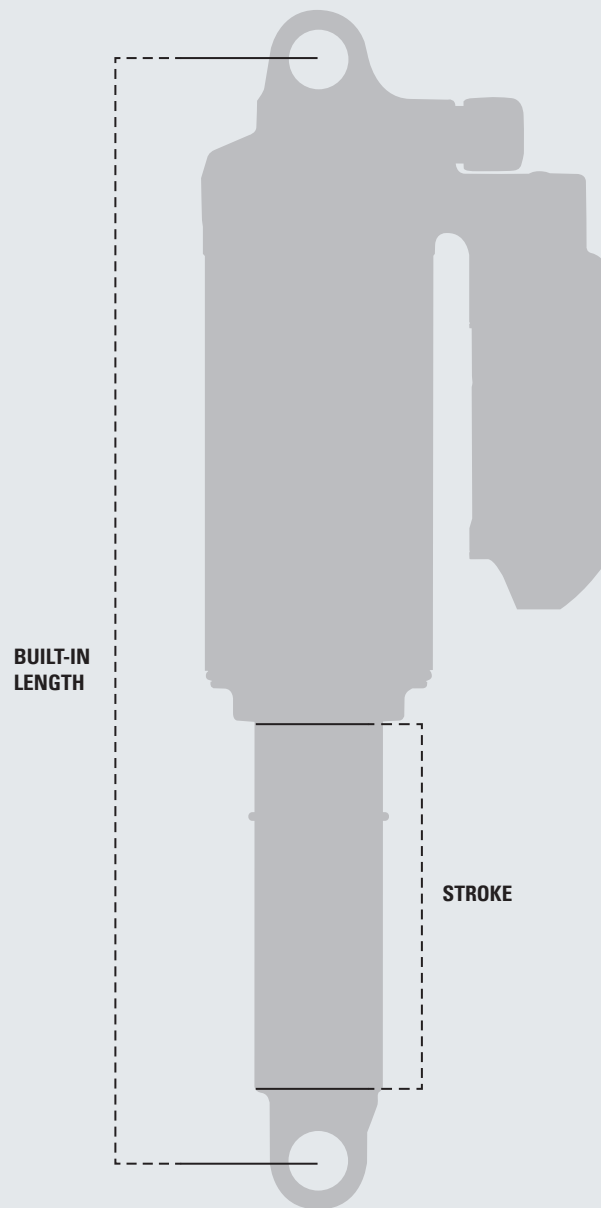
- 01 AIR CANISTER
- 02 SHAFT
- 03 PIGGYBACK RESERVOIR
- 04 IFP VALVE CAP (INTERNAL FLOATING PISTON)
- 05 UPPER EYELET (A)
- 06 LOWER EYELET (B)
- 07 REBOUND ADJUSTMENT KNOB
- 08 COMPRESSION ADJUSTMENT
- 09 O-RING
- 10 BUSHING
- 11 AIR VALVE

AIR SPRING MOUNT

TRUNNION MOUNT



STANDARD MOUNT



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
-	-	-	-	-	-



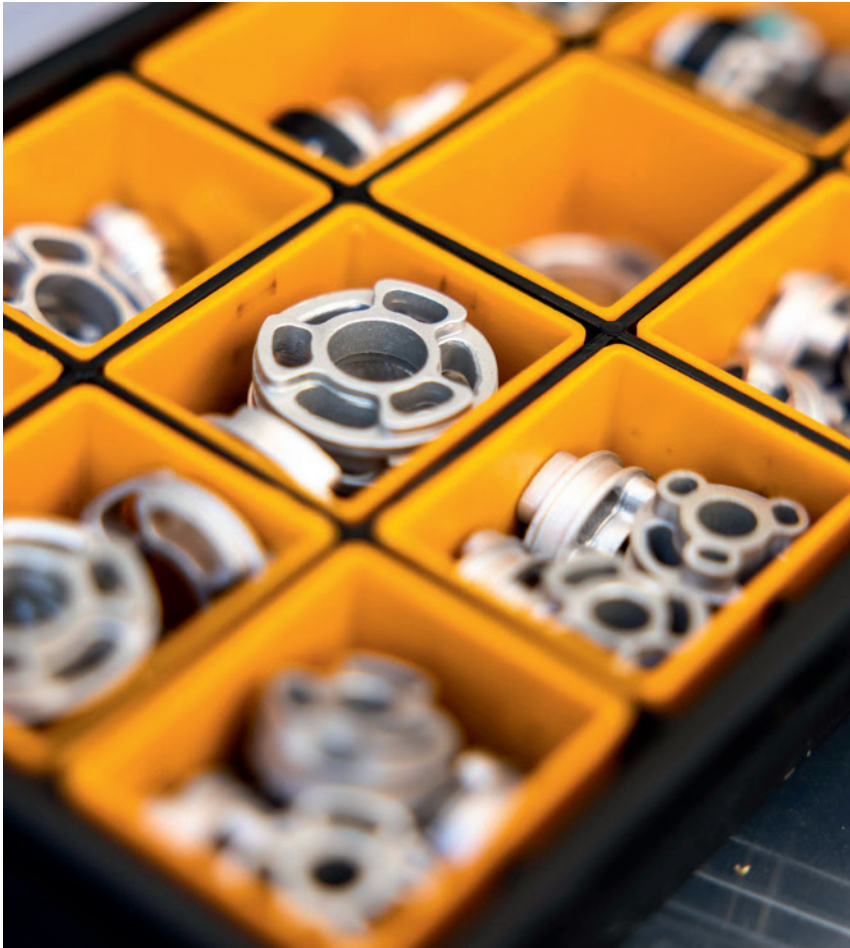
TRIAIR INCH		TRIAIR METRIC		TRIAIR TRUNNION	
EYE TO EYE	STROKE	EYE TO EYE	STROKE	EYE TO EYE	STROKE
200 mm	57 mm	210 mm	47.5/50/52.5/55 mm	185 mm	47.5/50/52.5/55 mm
216 mm	63 mm	230 mm	57.5/60/62.5/65 mm	205 mm	57.5/60/62.5/65 mm
-	-	-	-	225 mm	67.5/70/72.5/75 mm



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	-	-
-	-	-	-





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

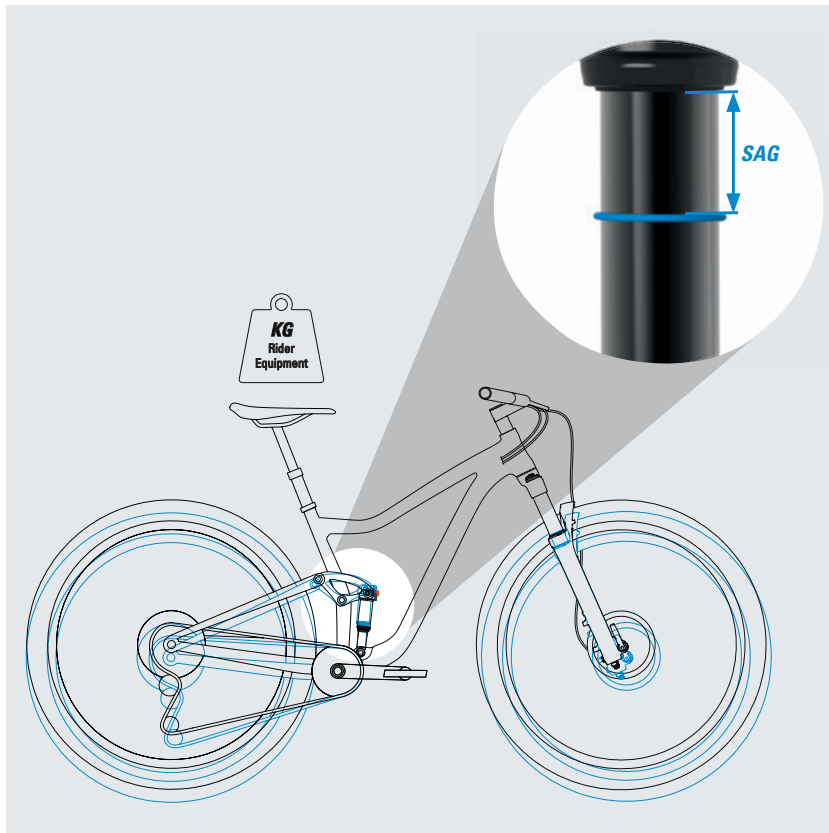
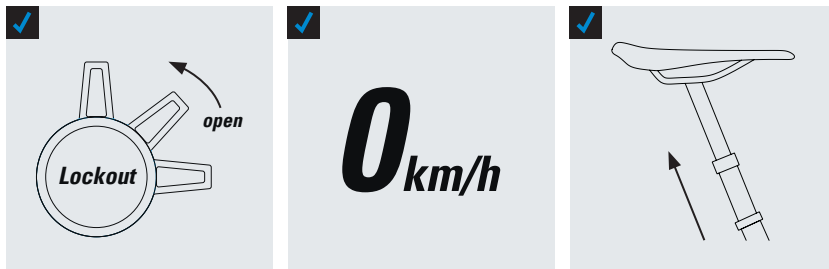


STROKE LENGTH

- 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



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

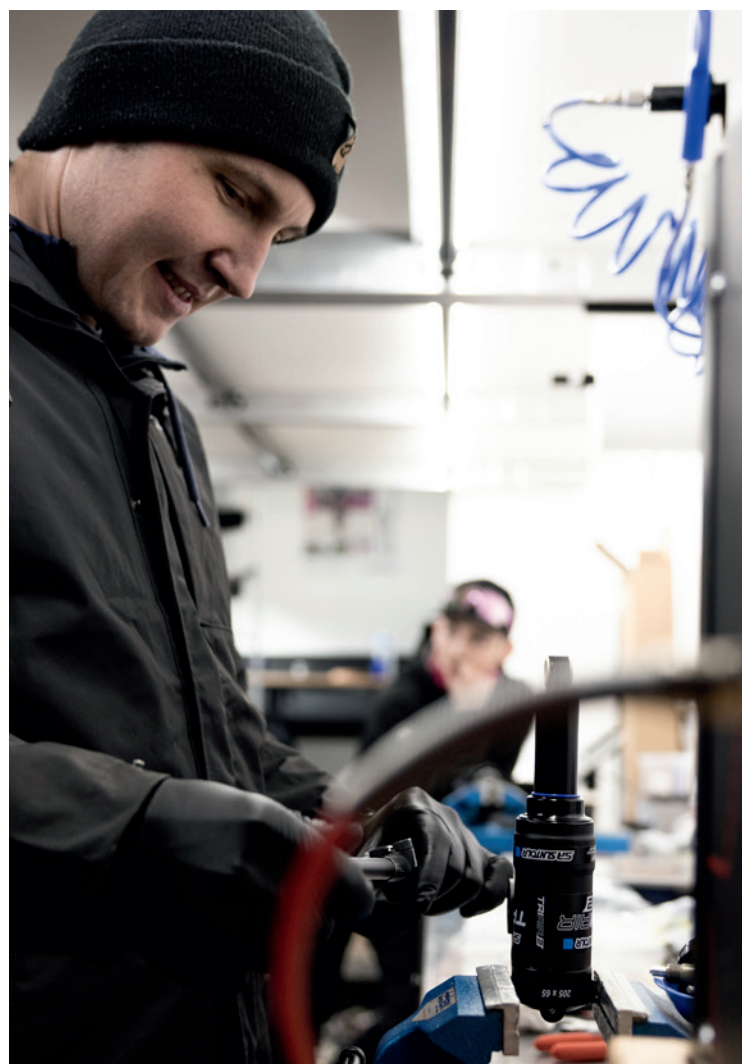
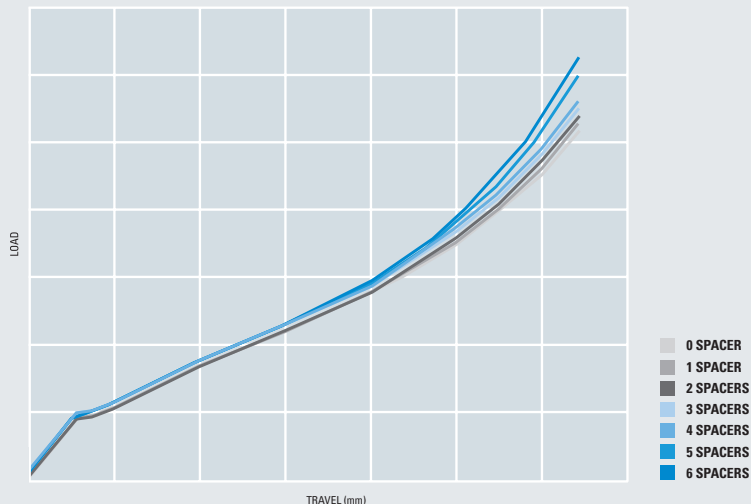
AIR CHAMBERS

01 Positive air chamber

02 Negative air chamber

EXAMPLE SPRING CHARACTERISTIC: EDGE AIR

Shock size 230x65; Pos Air Pressure 100psi; IFP pressure 300 psi



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.