

STT-2024-1  
October 24, 2024



**Beta**  
*motorcycles*

Service Tech Tip:  
2025 Beta RR X-Pro  
Sachs ZF Suspension settings list

Model:  
Sachs ZF "SHC" Single Hydraulic Chamber  
Sachs ZF 46mm Rear Shock

CONFIDENTIALITY NOTICE

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Page 1 of 3

**ADJUSTMENT KEY:**

RED = FACTORY SETTINGS   BLUE = RACING RECOMMENDATIONS   GREEN = COMFORT RECOMMENDATIONS   PURPLE = SOFT RECOMENDATIONS

**2025 125cc/200cc RR X-Pro**

Fork Spring Rate            .80 kg  
Spring installed (Air Gap: mm)   110 mm  
Spring installed (Air Gap: cc)   720 CC  
(LH Leg) Hydraulic Chamber   90 mm Air Gap  
Fluid Type                    5 wt.

**125cc/200cc RR X-Pro Fork Adjustment**

Compression (RH) =   11 out                    5   12   16  
Spring pre-load       =   09 revolutions out       4   8   9  
Rebound (LH)         =   11 out                                    8   12   16

**125cc/200cc RR X-Pro Shock Adjustment**

Shock Spring Rate            4.8 kg  
Static Sag Range              25-45 mm  
Rider Sag Range              95-110 mm

Low Speed Compression =   21 out                    10   14   18  
High Speed Compression =   19 clicks out       12   16   20  
Rebound                         =   17 out                                    15   18   20

**ADJUSTMENT KEY:**

RED = FACTORY SETTINGS   BLUE = RACING RECOMMENDATIONS   GREEN = COMFORT RECOMMENDATIONS   PURPLE = SOFT RECOMENDATIONS

**2025 250cc/300cc RR X-Pro**

Fork Spring Rate            .84 kg  
Spring installed (Air Gap: mm)   110 mm  
Spring installed (Air Gap: cc)   720 CC  
(LH Leg) Hydraulic Chamber   90 mm Air Gap  
Fluid Type                    5 wt.

**250cc/300cc RR X-Pro Fork Adjustment**

Compression (RH) =   11 out                    5   12   16  
Spring pre-load       =   09 revolutions out       4   8   9  
Rebound (LH)         =   11 out                                    8   12   16

**250cc/300cc RR X-Pro Adjustment**

Shock Spring Rate            5.2 kg  
Static Sag Range              25-45 mm  
Rider Sag Range              95-110 mm

Low Speed Compression =   21 out                    9   14   18  
High Speed Compression =   19 clicks out       11   16   20  
Rebound                         =   17 out                                    15   18   20

**ADJUSTMENT KEY:**

RED = FACTORY SETTINGS    BLUE = RACING RECOMMENDATIONS    GREEN = COMFORT RECOMMENDATIONS    PURPLE = SOFT RECOMMENDATIONS

**2025 350/390/430/480 RR X-Pro**

Fork Spring Rate                    .96 kg  
Spring installed (Air Gap: mm)    110 mm  
Spring installed (Air Gap: cc)    720 CC  
(LH Leg) Hydraulic Chamber    75 mm Air Gap  
Fluid Type                            5 wt.

**350/390/430/480 RR X-Pro Fork Adjustment**

Compression (RH) = 11 out                    5    12    16  
Spring pre-load    = 09 revolutions out        4    8    9  
Rebound (LH)     = 11 out                                8    12    16

**350/390/430/480 RR X-Pro Adjustment**

Shock Spring Rate                    5.4 kg  
Static Sag Range                    25-45mm  
Rider Sag Range                    95-110mm

Low Speed Compression    = 21 out                                8    14    18  
High Speed Compression    = 19 clicks out                    10    14    20  
Rebound                                = 17 out                                14    18    20