

Frame	Central tube frame of chrome molybdenum steel tubing, powder-coated
Fork	<b>Marzocchi</b>
Shock absorber	<b>WP Suspension 3614 BAEM</b>
Suspension travel (50 SX)	
front	185 mm (7.28 in)
Rear	185 mm (7.28 in)
Suspension travel (50 SX Junior)	
front	140 mm (5.51 in)
Rear	205 mm (8.07 in)
Suspension travel (50 SX Mini)	
front	110 mm (4.33 in)
Rear	171 mm (6.73 in)
Fork offset	14 mm (0.55 in)
Brake system	
front	Disc brake, brake caliper, fixed
Rear	Disc brake, brake caliper, fixed
Brake disc diameters	
front	160 mm (6.3 in)
Rear	140 mm (5.51 in)
Brake discs - wear limits	
front	2.2 mm (0.087 in)
Rear	2.2 mm (0.087 in)
Tire air pressure off road	
front	1.0 bar (15 psi)
Rear	1.0 bar (15 psi)
Secondary drive ratio (50 SX)	11:40
Secondary drive ratio (50 SX Junior)	10:40
Secondary drive ratio (50 SX Mini)	10:42
Chain	1/2 x 3/16"
Rear sprockets available	38, 39, 40, 41, 42
Steering head angle (50 SX)	66°
Steering head angle (50 SX Junior, 50 SX Mini)	67.4°
Wheelbase (50 SX)	1,032 mm (40.63 in)
Wheelbase (50 SX Junior)	910 mm (35.83 in)
Wheelbase (50 SX Mini)	914 mm (35.98 in)
Seat height unloaded (50 SX)	684 mm (26.93 in)
Seat height unloaded (50 SX Junior)	607 mm (23.9 in)
Seat height unloaded (50 SX Mini)	558 mm (21.97 in)
Ground clearance unloaded (50 SX)	252 mm (9.92 in)
Ground clearance unloaded (50 SX Junior)	220 mm (8.66 in)
Ground clearance unloaded (50 SX Mini)	184 mm (7.24 in)
Weight without fuel, approx. (50 SX)	39.8 kg (87.7 lb.)
Weight without fuel, approx. (50 SX Junior, 50 SX Mini)	39.0 kg (86 lb.)

## Tires

Validity	Front tire	Rear tire
(50 SX)	<b>60/100 - 12 36M TT</b> Pirelli SCORPION MX Mid Soft 32 NHS	<b>2.75 - 10 37J TT</b> Pirelli SCORPION MX Mid Soft 32 NHS
(50 SX Junior, 50 SX Mini)	<b>2.50 - 10 33J TT</b> Pirelli SCORPION MX Mid Soft 32 NHS	<b>2.75 - 10 37J TT</b> Pirelli SCORPION MX Mid Soft 32 NHS
Additional information is available in the Service section under: <a href="http://www.ktm.com">http://www.ktm.com</a>		

## Capacity - fuel

Fuel tank capacity, approx. (50 SX, 50 SX Junior)	2.3 l (2.4 qt.)	Super unleaded gasoline, mixed with 2-stroke engine oil (☛ p. 74)
Fuel tank capacity, approx. (50 SX Mini)	2.0 l (2.1 qt.)	Super unleaded (ROZ 95 / RON 95 / PON 91) (☛ p. 74)

## 50 SX

Fork	<b>Marzocchi</b>
Spring rate	
Weight of rider: 25... 35 kg (55... 77 lb.)	2 N/mm (11 lb/in)
Air chamber length	100±2.5 mm (3.94±0.098 in)
Fork length	692 mm (27.24 in)
Fork oil	Fork oil (SAE 7.5) (☛ p. 73)

## 50 SX Junior

Fork	<b>Marzocchi</b>
Spring rate	
Weight of rider: 25... 35 kg (55... 77 lb.)	2 N/mm (11 lb/in)
Air chamber length	100±2.5 mm (3.94±0.098 in)
Fork length	607 mm (23.9 in)
Fork oil	Fork oil (SAE 7.5) (☛ p. 73)

## 50 SX Mini

Fork	<b>Marzocchi</b>
Spring rate	
Weight of rider: 25... 35 kg (55... 77 lb.)	2 N/mm (11 lb/in)
Air chamber length	100±2.5 mm (3.94±0.098 in)
Fork length	578 mm (22.76 in)
Fork oil	Fork oil (SAE 7.5) (☛ p. 73)

## 50 SX

Shock absorber	<b>WP Suspension</b> 3614 BAEM
Rebound damping	
Standard	10 clicks
Spring preload	
Standard	3 mm (0.12 in)
Spring rate	
Weight of rider: 25... 35 kg (55... 77 lb.)	35 N/mm (200 lb/in)
Spring length	130 mm (5.12 in)
Gas pressure	10 bar (145 psi)
Static sag	20 mm (0.79 in)
Fitted length	275 mm (10.83 in)

## 50 SX Junior

Shock absorber	<b>WP Suspension</b> 3614 BAEM
Rebound damping	
Standard	12 clicks
Spring preload	
Standard	5 mm (0.2 in)
Spring rate	
Weight of rider: 25... 35 kg (55... 77 lb.)	75 N/mm (428 lb/in)
Spring length	130 mm (5.12 in)
Gas pressure	10 bar (145 psi)
Static sag	20 mm (0.79 in)
Fitted length	255 mm (10.04 in)

## 50 SX Mini

Shock absorber	<b>WP Suspension</b> 3614 BAEM
Rebound damping	
Standard	12 clicks
Spring preload	
Standard	5 mm (0.2 in)
Spring rate	
Weight of rider: 25... 35 kg (55... 77 lb.)	75 N/mm (428 lb/in)
Spring length	120 mm (4.72 in)
Gas pressure	10 bar (145 psi)
Static sag	10 mm (0.39 in)
Fitted length	245 mm (9.65 in)

Spoke nipple	M3.5	3 Nm (2.2 lbf ft)	–
Rear brake caliper screw	M6	10 Nm (7.4 lbf ft)	<b>Loctite® 243™</b>
Remaining nuts, chassis	M6	15 Nm (11.1 lbf ft)	–
Screw, ball joint, push rod on foot-brake cylinder	M6	10 Nm (7.4 lbf ft)	–
Screw, bottom triple clamp	M6	10 Nm (7.4 lbf ft)	–
Screw, front brake disc	M6	15 Nm (11.1 lbf ft)	<b>Loctite® 243™</b>
Screw, rear brake disc	M6	15 Nm (11.1 lbf ft)	<b>Loctite® 243™</b>
Screw, rear sprocket	M7	15 Nm (11.1 lbf ft)	<b>Loctite® 243™</b>
Engine carrying screw	M8	25 Nm (18.4 lbf ft)	–
Nut, rim lock	M8	10 Nm (7.4 lbf ft)	–
Remaining nuts, chassis	M8	30 Nm (22.1 lbf ft)	–
Remaining screws, chassis	M8	25 Nm (18.4 lbf ft)	–
Screw, front brake caliper	M8	20 Nm (14.8 lbf ft)	<b>Loctite® 243™</b>
Screw, handlebar clamp	M8	20 Nm (14.8 lbf ft)	–
Screw, top triple clamp	M8	25 Nm (18.4 lbf ft)	–
Nut, swingarm pivot	M10	45 Nm (33.2 lbf ft)	–
Remaining nuts, chassis	M10	50 Nm (36.9 lbf ft)	–
Remaining screws, chassis	M10	45 Nm (33.2 lbf ft)	–
Screw, bottom shock absorber	M10	45 Nm (33.2 lbf ft)	–
Screw, handlebar support	M10	40 Nm (29.5 lbf ft)	<b>Loctite® 243™</b>
Screw, top shock absorber	M10	45 Nm (33.2 lbf ft)	–
Front wheel spindle nut	M12x1	40 Nm (29.5 lbf ft)	–
Nut, rear wheel spindle	M12x1	40 Nm (29.5 lbf ft)	–
Nut, steering stem	M20x1.5	30 Nm (22.1 lbf ft)	–
Steering head nut	M20x1.5	10 Nm (7.4 lbf ft)	–