

# TECHNICAL DATA – CHASSIS »

CHASSIS	250 SX-F, 450/525 SX	250/400/450/525 XC/EXC	450/525 XC, EXC USA
Frame	Central tube chrome-moly-steel frame		
Fork	WP 4860 MA/PA	WP 4860 MA (450/525 XC USA: WP 4860 MA/PA)	
Wheel travel front/rear	300/335 mm		
Rear suspension	WP Progressive Damping System shock absorber, aluminium swing arm		
Front brake	Disk brake with carbon-steel brake disc Ø 260 mm (10.2 in), brake caliper floated		
Rear brake	Disk brake with carbon-steel brake disc Ø 220 mm (8.7 in), brake caliper floated		
Brake disc	Wear limit max. 2,5 mm front and 3,5 mm rear		
Front tires	80/100 - 21"	90/90 - 21"	80/100 - 21"
Air pressure offroad	1.0 bar (14 psi)	1.0 bar (14 psi)	1.0 bar (14 psi)
Air pressure road driver only	–	1,5 bar	1.5 bar (21 psi)
Rear tires	110/90 - 19"	140/80 - 18" (250 EXC: 120/90-18")	110/100 - 18"
Air pressure offroad	1.0 bar (14 psi)	1.0 bar (14 psi)	1.0 bar (14 psi)
Air pressure road driver only	–	2.0 bar (28 psi)	2.0 bar (28 psi)
Fuel tank capacity	7 liters (2 US gallons)	EXC 8 liters (2.1 US gall.), XC-USA 9 liters (2.4 gall.), XC 13 liters (3.5 gall.)	
Final drive ratio	250-13:48/450-14:52/525-14:48	EU-15:45, USA-14:50	
Chain	X-Ring 5/8 x 1/4"		
Available final sprockets	38, 40, 42, 45, 48, 49, 50, 51, 52		
Bulbs		headlight	12V 35/35W (socket BA20D)
		parking light	12V 5W (socket W2, 1x9,5d)
		brake - rear light	12V 21/5W (socket BaY15d)
		flasher light	12V 10W (socket Ba15s)
Battery		maintenance-free battery 12V 8Ah	
Steering head angle	63.5°		
Wheel base	1481 ± 10 mm (58.3 ± 0.4 in)		
Seat height, unloaded	925 mm (36.5 in)		
Ground clearance, unloaded	380 mm (15.1 in)		
Weight (without fuel)	approx. 106 kg (233.2 lbs)	approx. 113 kg (248.6 lbs)	

STANDARD ADJUSTMENT – FORK				
	250 SX-F	450/525 SX	250/400/450/525 XC/EXC	450/525 XC USA 525 EXC SIXDAYS
	WP4860MA/PA 14187B03	WP4860MA/PA 14187B05	WP4860MA 14187B06	WP4860MA/PA 14187B29
Compression adjuster	20	20	20	20
Rebound adjuster	18	20	21	20
Spring	4.4 N/mm	4.6 N/mm	4.2 N/mm	4.4 N/mm
Spring preload	5 mm	5 mm	5 mm	3 mm
Air chamber length	100 mm	100 mm	110 mm	110 mm
Fork oil	SAE 5	SAE 5	SAE 5	SAE 5

STANADARD ADJUSTMENT – SHOCK ABSORBER				
	250 SX-F	450/525 SX	250/400/450/525 XC/EXC	450/525 XC USA 525 EXC SIXDAYS
	WP 5018 PDS DCC 12187B03	WP 5018 PDS DCC 12187B05	WP 5018 PDS MCC 12187B06	WP 5018 PDS DCC 12187B26
Compression adjuster	15 LS (low speed) 2.5 HS (high speed)	15 LS (low speed) 2.5 HS (high speed)	15	15 LS (low speed) 1.5 HS (high speed)
Rebound adjuster	22	22	22	22
Spring	76/250	80/250	80/250	80/250
Spring preload	5 mm	5 mm	6 mm	5 mm

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TIGHTENING TORQUES – CHASSIS		
Collar screw, front wheel spindle	M24x1,5	40 Nm
Brake caliper, front	M8	Loctite 243 + 25 Nm
Brake caliper, FTE radial front	M10x1,25	Loctite 243 + 40 Nm
Brake disks	M6	Loctite 243 + 14 Nm
Clamping screws, upper fork bridge EXC	M8	20 Nm
Clamping screws, lower fork bridge EXC	M8	15 Nm
Clamping screws, upper fork bridge SX	M8	17 Nm
Clamping screws, lower fork bridge SX	M8	12 Nm
Clamping screws, fork stubs	M8	15 Nm
Hexagon nut, swing arm bolt	M16x1,5	100 Nm
Hexagon collar screw, handlebar clamp	M8	20 Nm
Allan head screw, handlebar support	M10	Loctite 243 + 40 Nm
Shock absorber, top	M12	70 Nm
Shock absorber, bottom	M12	70 Nm
Collar nut, swing arm bolt	M20x1,5	80 Nm
Sprocket Screws	M8	35 Nm
Ball joint for push rod	M6	10 Nm
Engine mounting bolt	M10	60 Nm
Engine brace	M8	33 Nm
Spoke nipple	M4,5 / M5	5 Nm
Screw adjusting ring spring preload shock abs.	M6	8 Nm
Other screws on chassis	M6	10 Nm
	M8	25 Nm
	M10	45 Nm
Other collar nuts on chassis	M6	15 Nm
	M8	30 Nm
	M10	50 Nm