

TECHNICAL SPECIFICATIONS – CHASSIS 250/300 SX, MXC, EXC 2004

	250 SX	300 MXC	250/300 EXC
Frame	Central chrome-moly-steel frame		
Fork	White Power – Up Side Down 48 MA		
Wheel travel front/rear	300/335 mm (11.8/13.2 in)		
Rear suspension	WP PDS 5018 (Progressive Damping System) shock absorber, aluminium swingarm		
Front brake	Disc brake with carbon-steel brake disc Ø 260 mm (10.2 in), brake caliper floated		
Rear brake	Disc brake with carbon-steel brake disc Ø 220 mm (8.7 in), brake caliper floated		
Brake discs	Wear limit max. 0,4 mm (0,016 in)		
Front tires	80/100 - 21" M59, M59	–	90/90 - 21" MT83
Front tires USA	–	80/100 - 21" 51M, M59	80/100 - 21" 51M, M59
Air pressure offroad	1,0 bar	1,0 bar (14psi)	1,0 bar (14psi)
Air pressure road driver only	1,5 bar	1,5 bar (21psi)	1,5 bar (21psi)
Rear tires	110/90 - 19" M62, M70	–	140/80 - 18" MT 83
Rear tires USA	–	100/100 - 18" 64M, M402	100/100 - 18" 64M, M402
Air pressure offroad	1,0 bar	1,0 bar (14psi)	1,0 bar (14psi)
Air pressure road driver only	2,0 bar	2,0 bar (28psi)	2,0 bar (28psi)
Fuel tank capacity	7,5 liter (1,98 US Gallons)	11 liter (2,9 US Gallons)	9/11 liter (2,3/2,9 US Gallons)
Final drive ratio	13:50t	–	13:42t / 13:50t
Final drive ratio USA		13:50t	13:50t
Chain	5/8 x 1/4 "		
Available final sprockets	38t, 40t, 42t, 45t, 48t, 50t, 52t		
Bulbs	headlight HS1 12V 35/35W parking light 12V 5W (base W2, 1x9,5d) instrument light 12V 1,2W (base W2, 1x4,6d) brake- rear light 12V 21/5W (base BaY15d) flasher light 12V 10W (base Ba15s) license plate illumination 12V 1,2W (base 1x4,6d)		
Steering head angle	63°		
Wheel base	1475 ± 10 mm (58,1 ± 0,4 in)		
Seat height, unloaded	925 mm (36,5 in)		
Ground clearance, unloaded	385 mm (15,2 in)		

STANDARD ADJUSTMENT-FORK		
	250 SX	250/300 MXC, EXC
	WP 4860 MXMA 1418Y745	WP 4860 MXMA 1418Y746
Compression adjuster	18	20
Rebound adjuster	18	20
Spring	4,4 N/mm	4,0 N/mm
Spring preload	6	5
Air chamber length	90	120
Fork oil	SAE 5	SAE 5

STANDARD ADJUSTMENT	
FORK 250 SXS	WP4860MXMA 1418Y761
Compression adjuster	18
Rebound adjuster	20
Spring	4.4 N/mm
Spring preload	513mm (20.2in)*
Air chamber length	90 mm (3.6 in)
Fork oil	SAE 5

*Total length with spacers

STANDARD ADJUSTMENT - SHOCK ABSORBER		
	250 SX	250/300 MXC, EXC
	WP 5018 PDS-DCC 1218Y769	WP 5018 PDS-MCC 1218Y770
Compression adjuster	12 LS (low speed) 2 HS (high speed)	19
Rebound adjuster	26	24
Spring	84/250	88/250
Spring preload	5 mm	5 mm

STANDARD ADJUSTMENT	
SHOCK ABSORBER 250 SXS	WP 5018 PDS BAVP 1218Y779
Compression adjuster	15 LS (low speed) 2 HS (high speed)
Rebound adjuster	24
Spring	84/240
Spring preload	6 mm (0.24 in)

TIGHTENING TORQUES - CHASSIS

Collar screw, front wheel spindle	M 24x1,5	40 Nm
Brake caliper, front	M 8	Loctite 243 + 25 Nm
Brake disk, front	M 6 10.9	Loctite 243 + 15 Nm
Brake disk, rear	M 6	Loctite 243 + 15 Nm
Clamping screws, upper fork bridge	M 8	20 Nm
Clamping screws, lower fork bridge	M 8	15 Nm
Clamping screws, fork stubs	M 8	10 Nm
Collar nut, rear wheel spindle	M 20x1,5	80 Nm
Hexagon nut, swing arm bolt	M 16x1,5	100 Nm
Hexagon collar screw, handlebar clamp	M 8	Loctite 243 + 20 Nm
Allan head screw, handlebar support	M 10	Loctite 243 + 40 Nm
Shock absorber, top	M 12	60 Nm
Shock absorber, bottom	M 12	60 Nm
Sprocket screws	M 8	Loctite 243 + 35 Nm
Ball joint for push rod	M 6	Loctite 243 + 10 Nm
Engine mounting bolt	M 10	45 Nm
Engine brace	M 8	33 Nm
Screw adjusting ring spring preload shock abs.	M6	8 Nm
Spoke nipple	M4,5 / M5	6 Nm
Other screws on chassis	M 6 M 8 M 10	10 Nm 25 Nm 45 Nm
Other collar nuts on chassis	M 6 M 8 M 10	15 Nm 30 Nm 50 Nm