

# TECHNICAL DATA – CHASSIS »

CHASSIS	250/400/450/525				
Frame	Central tube chrome-moly-steel frame				
Fork	WP Suspension – 4860 MXMA / MXMA + PA				
Wheel travel front/rear	300/335 mm				
Rear suspension	WP Suspension – 5018 PDS MCC / DCC, 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	XC, XC-F, XC-W, XCF-W 80/100-21"		EXC, EXC-F 90/90-21"		
Air pressure offroad Air pressure road	1,0 bar 1,5 bar				
Rear tires	250 XC-F, XCF-W 100/100-18"	250 EXC-F 120/90-18"	400/450/525 XC, XC-W 110/100-18"	400/450/525 EXC 140/80-18"	
Air pressure offroad Air pressure road	1,0 bar 2,0 bar				
Fuel tank capacity	250 XC-F, XCF-W 250 EXC-F AUS 8,5 liters (2.2 US gal)	250 EXC-F EU 7 liters (2 US gal)	400/450/525 EXC EU 8 liters (2.1 US gal)	450/525 XC, XC-W 450/525 EXC AUS 9.5 liters (2.5US gal)	525 XC DESERT RACING 13 liters (3.5 US gal)
Final drive ratio	250 XC-F 13:48	250 XCF-W 13:52	250 EXC-F 14:38	400/450/525 XC, XC-W 14:50	400/450/525 EXC 525 XC DES. RAC. 15:45
Chain	5/8 x 1/4"				
Available final sprockets	38, 40, 42, 45, 48, 49, 50, 51, 52				
Bulbs (EXC)	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 4Ah				
Steering head angle	63.5°				
Wheel base	250: 1475 ± 10 mm (58 ± 0.4 in)		400/450/525: 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)	250: approx. 107 kg (235.4 lbs)		400/450/525: approx. 113 kg (248.6 lbs)		

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STANDARD ADJUSTMENT – FORK				
	250 XCF-W 250 EXC-F	400/450/525 XC-W 400/450/525 EXC 525 XC DESERT RACING	250 XC-F 250 EXC-F SIXDAYS	450/525 XC 450/525 EXC SIXDAYS
	WP 4860 MXMA 14187C04	WP 4860 MXMA 14187C06	WP 4860 MXMA + PA 14187C28	WP 4860 MXMA + PA 14187C29
Compression adjuster	20	20	18	18
Rebound adjuster	20	15	20	20
Spring	4.2 N/mm	4.4 N/mm	4.4 N/mm	4.6 N/mm
Spring preload	–	–	2 turns	2 turns
Air chamber length	110 mm	110 mm	110 mm	110 mm
Fork oil	SAE 5	SAE 5	SAE 5	SAE 5

STANDARD ADJUSTMENT – SHOCK ABSORBER				
	250 XCF-W 250 EXC-F	400/450/525 XC-W 400/450/525 EXC 525 XC DESERT RACING	250 XC-F 250 EXC-F SIXDAYS	450/525 XC 450/525 EXC SIXDAYS
	WP 5018 PDS MCC 12187C04	WP 5018 PDS MCC 12187C06	WP 5018 PDS DCC 12187C28	WP 5018 PDS DCC 12187C29
Compression adjuster	15	15	15 LS (low speed) 1.0 HS (high speed)	15 LS (low speed) 1.0 HS (high speed)
Rebound adjuster	25	25	24	24
Spring	76/250	80/250	76/250	80/250
Spring preload	5 mm	5 mm	5 mm	5 mm

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	14 Nm
Clamping screws, upper fork bridge XC-W, EXC	M8	20 Nm
Clamping screws, lower fork bridge XC-W, EXC	M8	15 Nm
Clamping screws, upper fork bridge XC, EXC SIXDAYS	M8	17 Nm
Clamping screw, steering stem XC, EXC SIXDAYS	M8	Loctite 243 + 17 Nm
Clamping screws, lower fork bridge XC, EXC SIXDAYS	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	Loctite 243 + 70 Nm
Shock absorber, bottom	M12	Loctite 243 + 70 Nm
Collar nut, swing arm bolt	M20x1,5	80 Nm
Sprocket Screws	M8	Loctite 243 + 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