

Maximum Torque Specifications

STEEL BOLTS IN ALLOY PARTS

Bolt Ø (mm)	Max Torque	
	(in-lbf.)	(N-m)
5	60	6.8
6	120 (100*)	13.5 (11.3*)
7	180	20.25
8	220	24.75

SEAT COLLARS

Bolt Ø (mm)	Max Torque	
	(in-lbf.)	(N-m)
5	40-60	4.5-6.8
6	60-80	6.8-9

STEM

Level	Bolt Ø (mm)	Max Torque	
		(in-lbf.)	(N-m)
Approved	7	150	16.9
Sport	6	-	-
Select	6	120 (100*)	13.5 (11.3*)
Race	6	120 (100*)	13.5 (11.3*)
Race Lite	6	120 (100*)	13.5 (11.3*)
Race X Lite	6	120 (100*)	13.5 (11.3*)
	5	60	6.8
Race XXX Lite	6	120 (100*)	13.5 (11.3*)
	5	60	6.8
King/Big Earl	6	120 (100*)	13.5 (11.3*)

SEAT POST

Level	Bolt Ø (mm)	Max Torque	
		(in-lbf.)	(N-m)
Approved	-	-	-
Sport	7	150	16.9
Select	6	120	13.5
Race	6	150	16.9
Race Lite	6	150	16.9
Race X Lite	6	150	16.9
	-	-	-
Race XXX Lite	6	150	16.9
	-	-	-
King/Big Earl	6	120	13.5

HANDLEBAR

Level	Bolt Ø (mm)	Max Torque	
		(in-lbf.)	(N-m)
Approved	7	150	16.9
Sport	6	120	13.5
Select	6	120	13.5
Race	6	120	13.5
Race Lite	6	120	13.5
Race X Lite	5	60	6.8
	6	100*	11.3*
Race XXX Lite	5	60	6.8
	6	100*	11.3*
King/Big Earl	6	120	13.5

* Max torque recommended for clamping a carbon mating part. Be sure to clean with alcohol or approved degreaser and remove all sharp edges when clamping carbon parts!

CRANKS ROAD

Level	Axle	Bolt Ø (mm)	Max Torque	
			(in-lbf.)	(N-m)
Approved	N/A	N/A	N/A	N/A
Sport	Square	M8	372	42
Select	ISIS	M15	480	55
Race	ISIS	M15	480	55
Race Lite	GXP	M15	480	55
Race X Lite	GXP	M15	480	55
Race XXX Lite	N/A	N/A	N/A	N/A
Earl	N/A	N/A	N/A	N/A
Big Earl	N/A	N/A	N/A	N/A
King Earl	N/A	N/A	N/A	N/A

CRANKS ATB

Level	Axle	Bolt Ø (mm)	Max Torque	
			(in-lbf.)	(N-m)
Approved	N/A	N/A	N/A	N/A
Sport	Square	M8	372	42
Select	ISIS	M15	480	55
Race	ISIS	M15	480	55
Race Lite	ISIS	M15	480	55
Race X Lite	GXP	M15	480	55
Race XXX Lite	ISIS	M15	480	55
Earl	ISIS	M15	480	55
Big Earl	ISIS	M12	480	55
King Earl	Howitzer	M12	480	55

The torque specifications should be used to make sure you do not over-tighten the fasteners. Slight differences in a similar part may require a different torque. Applying more than the recommended torque does not provide extra holding power, and may actually lead to damage or failure of a part.