

EASTON EXPEDITION ALUMINUM

Alloy	7075-T9
Ultimate Tensile Strength (PSI)	96000
Maximum Stress Level (without requiring prebends)	45000 psi (310 Mpa)

Tube Specifications		Outside Diameter	Wall Thickness	Weight*	Curvature Limit
.340"	main tube	.340"/8.64mm	.025"/.64mm	17.543 gpi	39.3" (100cm)
	insert tube	.287"/7.29mm	.035"/.89mm	19.648 gpi	
0.344	main tube	.344"/8.74mm	.019"/.48mm	13.770 gpi	40" (101cm)
	insert tube	.303"/7.07mm	.021"/.53mm	13.192 gpi	
0.355	main tube	.355"/9.02mm	.025"/.64mm	18.367 gpi	41" (104cm)
	insert tube	.302"/7.67mm	.034"/.86mm	20.299 gpi	
0.380	main tube	.380"/9.65mm	.026"/.66mm	20.507 gpi	43" (109cm)
	insert tube	.325"/8.26mm	.034"/.86mm	22.041 gpi	
0.433	main tube	.433"/11.00mm	.030"/.76mm	26.930 gpi	50" (127 cm)
	insert tube	.370"/9.40mm	.040"/1.02mm	29.406 gpi	
0.490	main tube	.490"/12.45mm	.026"/.66mm	26.877 gpi	57" (144cm)
	insert tube	.433"/11.00mm	.030"/.76mm	26.930 gpi	

Calculate weight based on
*7000 grains = one pound