



SPINE CHART

BORDER CARBONS
MAX 32" - .003" straightness.

SPINE
30 = 300
35 = 350
40 = 400
50 = 500
60 = 600

Recurve

Point Weight (grains) &
Bow Weight (upto +4lbs)

100 grains	125 grains	150 grains	175 grains	200 grains
28	25	22	19	16
33	30	27	24	21
38	35	32	29	26
43	40	37	34	31
48	45	42	39	36
53	50	47	44	41
58	55	52	49	46
63	60	57	54	51
68	65	62	59	56
73	70	67	64	61
78	75	72	69	66
83	80	77	74	71
88	85	82	79	76

Bow Weight as above.
28 is range from 28-32lbs with 100 grain point.

**BORDER CARBON
arrow Length**

22½"	23½"	24½"	25½"	26½"	27½"	28½"	29½"	30½"	31½"
23"	24"	25"	26"	27"	28"	29"	30"	31"	32"
23½"	24½"	25½"	26½"	27½"	28½"	29½"	30½"	31½"	32½"
60	60	60	60	60	60	50	50	50	40
60	60	60	60	60	50	50	40	40	40
60	60	60	60	50	50	40	40	40	35
60	60	60	50	50	40	40	40	35	35
60	50	50	50	40	40	40	35	35	30
50	50	40	40	40	35	35	30	30	30
50	40	40	40	35	35	30	30	30	30
40	40	40	35	35	30	30	30	30	30
40	40	35	35	30	30	30	30	30	30
40	35	35	30	30	30	30	30	30	
35	35	30	30	30	30	30	30		

Shaft Internal Diameter: 6.24mm – Length 32" All sizes.

BORDER Longbows

Harrier, Hawk, Raptor
Point Weight (Grains) &
Bow Weight (upto +4lbs)

100 grains	125 grains	150 grains	175 grains	200 grains
42	39	36	33	30
47	44	41	38	35
52	49	46	43	40
57	53	50	47	44
62	59	56	53	50
67	64	61	58	55
72	69	66	63	60
77	74	71	68	65
82	79	76	73	70
87	84	81	78	75
92	89	86	83	80
97	94	91	88	85
102	99	96	93	90

Bow Weight as above.
42 is range from 42-46lbs with 100 grain point.

Weight:

Outside Diameter 30: 7.80mm 30: 332grain
 Outside Diameter 34: 7.57mm 35: 284grain
 Outside Diameter 40: 7.46mm 40: 261grain
 Outside Diameter 50: 7.42mm 50: 242grain
 Outside Diameter 60: 7.14mm 60: 188grain