

FEEL THE SPIRIT



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**PENTHALON PENTHALON SLIM LINE DATA FILE**

ARROW	SPINE	LENGHT INCH (MM)	STRAIGHTNESS	G.P.I (GRAIN/INCH)	WEIGHT TOLERANCE (GRAIN) PER UNCUT SHAFT	SPINE TOLERANCE	I/D INCH (MM)	O/D INCH (MM)
BLACK	400	32" (812,8)	006	9,2	±3,0	±20	0,175" (4,44)	0,250" (6,35)
	500	32" (812,8)	006	7,5	±3,0	±20	0,175" (4,44)	0,236" (5,99)
	600	32" (812,8)	006	7,3	±3,0	±20	0,175" (4,44)	0,234" (5,94)
	800	32" (812,8)	006	5,7	±3,0	±20	0,175" (4,44)	0,223" (5,66)
	1000	32" (812,8)	006	5,0	±3,0	±20	0,175" (4,44)	0,218" (5,53)
	1300	32" (812,8)	006	4,5	±3,0	±20	0,175" (4,44)	0,213" (5,41)
TIMBER	400	32" (812,8)	006	9,57	±3,0	±20	0,175" (4,44)	0,252" (6,40)
	500	32" (812,8)	006	7,97	±3,0	±20	0,175" (4,44)	0,239" (6,07)
	600	32" (812,8)	006	7,63	±3,0	±20	0,175" (4,44)	0,235" (5,96)
	800	32" (812,8)	006	6,05	±3,0	±20	0,175" (4,44)	0,225" (5,71)
	1000	32" (812,8)	006	5,34	±3,0	±20	0,175" (4,44)	0,218" (5,53)
	1300	32" (812,8)	006	4,87	±3,0	±20	0,175" (4,44)	0,215" (5,46)
BAMBOO	400	32" (812,8)	006	9,94	±3,0	±20	0,175" (4,44)	0,252" (6,40)
	500	32" (812,8)	006	7,99	±3,0	±20	0,175" (4,44)	0,238" (6,04)
	600	32" (812,8)	006	7,73	±3,0	±20	0,175" (4,44)	0,236" (5,99)
	800	32" (812,8)	006	6,11	±3,0	±20	0,175" (4,44)	0,225" (5,71)
	1000	32" (812,8)	006	5,42	±3,0	±20	0,175" (4,44)	0,220" (5,58)
	1300	32" (812,8)	006	4,99	±3,0	±20	0,175" (4,44)	0,215" (5,46)
1600	32" (812,8)	006	4,61	±3,0	±20	0,175" (4,44)	0,211" (5,35)	

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**SPINETABLE CARBON SHAFTS**

Aplication and Calculation of Spine Values

LBS / FINGER	ARROW LENGTH 26 INCH			ARROW LENGTH 27 INCH			ARROW LENGTH 28 INCH			ARROW LENGTH 29 INCH			ARROW LENGTH 30 INCH			ARROW LENGTH 31 INCH			ARROW LENGTH 32 INCH		
	P	SPINE	F	P	SPINE	F	P	SPINE	F	P	SPINE	F	P	SPINE	F	P	SPINE	F	P	SPINE	F
10 - 18 lbs	50	1600	3	50	1600	3	50	1600	3	50	1300	3	75	1000	3	75	1000	4	75	800	4
19 - 24 lbs	50	1600	3	50	1300	3	50	1300	3	50	1300	3	75	1000	3	75	800	4	100	600	4
25 - 29 lbs	50	1300	3	50	1300	3	75	1000	3	75	1000	3	75	800	3	100	600	4	100	600	4
30 - 35 lbs	75	1000	3	75	1000	3	75	800	4	75	800	4	100	600	4	100	600	4	100	500	5
36 - 40 lbs	75	800	4	75	800	4	100	600	4	100	600	4	100	600	4	100	500	5	100	500	5
41 - 47 lbs	100	800	4	100	600	4	100	600	4	100	600	4	100	500	4	100	500	5	125	400	5
48 - 55 lbs	100	600	4	100	600	4	100	500	5	100	500	4	125	400	4	125	400	5	125	350	5
56 - 63 lbs	125	500	4	125	500	5	125	400	5	125	400	5	145	350	5	145	350	5	145	300	5
64 - 75 lbs	125	500	4	125	400	5	125	350	5	145	350	5	175	300	5	175	300	5	175	300	5

**P = WEIGHT OF POINT (GRS.)**

**F = LENGTH OF FLETCHES (INCH)**

The table above relates to high performance bows with Whisper String (Fast Flight, Spectra, Dynafight, Exel) which are NOT center cut  
 For bows with Dacron strings (B 50, B 55) the actual draw weight must be reduced by 5 lbs  
 For wood or glass laminate bows without an arrow shelf the actual draw weight must be reduced by 5 lbs  
 For bows with a center cut arrow shelf increase the actual draw weight by 4lbs  
 Figures are based on using an insert/protector head combination of between 12gn and 20gn  
 The recommended Spine values are based on the personal experiences and bare shaft tests of Henry Bodnik accrued over the course of many years