



Triple *"The fastest and best grouping arrow in it's class"*

CARTEL Triple 500 A-2 MADE IN KOREA

A parallel aluminium/carbon arrow shaft produced from a core of 7075 pure grade aluminium wound with an outer layer of highly elastic high density carbon.

The Triple is manufactured to provide superior resistance to crushing, bending and splitting yet is as thin and light as possible so as to provide maximum performance, durability and minimum wind drift.

POINTS:

- Cartel Triple break-off
Designed in conjunction with Alternative Services. All points feature 2x 10grain break-off segments. Sizes 300 to 700 start at 110grains, 800 and 900 are 100grains, 1000 and 1100 are 95grains.



Cartel Triple Break-Off Point

NOCKS:

- Cartel Triple Outsert (one model for each size)
- Beiter Outsert (selected models only); 5.48 (400), 5.4 (500), 2100 (600), 1880 (800/900), 4.5 (1000).
- Beiter 3.98 Insert (300 to 700 sizes only)
- Easton Vector Pin size 430-480 + Pin Nock (300 to 700 sizes only)



Beiter 3.98 Insert Nock



Beiter Outsert Nock

X-PERT

CARTEL ALUMINIUM CARBON X-PERT 580 MADE IN KOREA

A mid-priced parallel aluminium/carbon arrow with an aluminium core which will accept internal fitting components such as the Beiter 12/1 and 12/2 insert nocks.

The X-PERT is produced using the same technology as the Triple. The result: An excellent all-round performer that's also kind to your wallet!

POINTS:

- Cartel X-PERT break-off
6 sizes available each with 2x break-off segments. Max weights: 120, 110, 100, 90, 80 and 70grains

NOCKS:

- Cartel X-PERT insert
- Beiter 12/1 or 12/2 insert
- Beiter In/Out; 2-95 (520-580), 2-65 (660-900), ACE (980-1040)
- Easton G series



Cartel X-PERT break-off points



Beiter In/Out Nock 2-45x1

Junior

CARTEL Junior 1816

A high quality aluminium shaft produced from 7001 aluminium alloy. Features consistency, durability and performance normally found in more expensive shafts.

Now available in 7 sizes; 1416, 1516, 1616, 1716, 1816, 1916 and 2016.

POINTS:

- Cartel Junior one piece

NOCKS:

- Beiter Direct Insert; 3.04/1 (1416), 3182 (1516), 161675 (1616), 1716, 1816, 1916, 201675 (2016).



Triple

Shaft Number	Outside Diameter (mm)	Factory Length (inch)	Grains per inch
1200	4.79	27.5	6.62
1100	4.44	28.0	5.86
1000	4.52	29.0	6.14
900	4.76	29.5	6.41
800	4.79	30.0	6.50
700	5.25	31.0	6.68
600	5.32	32.5	7.05
500	5.38	33.0	7.52
400	5.60	33.5	7.85
300	5.68	34.0	8.18

This table shows the Shaft Number (size), Outside Diameter in millimetres, approximate Factory Length in inches and Grains per inch for the Cartel Triple range of shafts.
Triple Straightness Tolerance: +/- 0.001"

X-PERT

Shaft Number	Outside Diameter (mm)	Factory Length (inch)	Grains per inch
1040	5.29	30.0	5.93
980	5.33	30.1	6.14
900	5.38	30.2	6.46
820	5.44	30.3	6.75
740	5.51	30.5	7.05
660	5.59	31.1	7.58
580	5.68	31.3	7.94
520	5.77	32.1	8.49

This table shows the Shaft Number (size), Outside Diameter in millimetres, approximate Factory Length in inches and Grains per inch for the Cartel X-PERT range of shafts.
X-PERT Straightness Tolerance: +/- 0.001"

Selection Chart

The following chart displays the recommended Cartel Triple (black), Cartel X-PERT (red) and Cartel Junior (blue) size selections.

Recurve	23"	24"	25"	26"	27"	28"	29"	30"	31"	Compound Hard/Solo Cam	Compound Mild Cam	Compound Round Wheel
23-29	1200	1100	1100	1100	1000	900	800	700	600	30-34	35-39	40-44
	1416	1416	1516	1616	1716	1816	1816	1916				
30-35	1200	1100	1100	1000	900	800	700	600	500	35-39	40-44	45-49
	1416	1516	1616	1716	1816	1816	1916	1916	580			
35-40	1200	1100	1000	900	800	700	600	500	400	40-44	45-49	40-54
	1516	1616	1716	1816	1816	1916	1916	2016	520			
40-45	1000	1000	900	800	700	600	500	400	400	45-49	50-54	55-59
	1040	980	900	820	740	660	580	520				
	1616	1716	1816	1816	1916	1916	2016	2016				
45-50	1000	900	800	700	600	500	400	400	300	50-54	55-59	60-64
	980	900	820	740	660	580	520					
	1716	1816	1816	1916	1916	2016	2016					
50-55	900	800	700	600	500	500	400	300	300	55-59	60-64	65-69
	900	820	740	660	580	520						
	1816	1816	1916	1916	2016	2016						
55-60	800	700	600	600	500	500	400	300	300	60-64	65-69	70-74
	820	740	660	580	520							
	1816	1916	1916	2016	2016							

DISCLAIMER: Alternative Sporting Services will not accept any responsibility for any incorrect selections made using the above chart. All size selections charts act as a guide only and it is not an exact science. We cannot guarantee our recommendations but we do have many years proven experience in advising and selecting sizes for world class archers.

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