FRAME SIZING

The original Raven Twins (Now retrospectively known as Mk1) were made in 2 childback sizes and 9 adult/ adult sizes. We still have stock of sizes #1, #2, #3, #5, #9 and #11

The Raven Twin Mk2 frames have the suffix "A".
Each of these options, were available in a choice of 3 different colour powder coat finishes. We still have stock of sizes #4A, #7A and #12A

Child back tandems, sizes# 1 and #2
These frames are direct lateral child back tandems; that is to say that they are designed for very small stokers. The two sizes are to accommodate either a short or a tall pilot (Mum front and Dad front?) I have designed these frames to keep the overall length as compact as possible, whilst providing sufficient "growing room", to allow most children to be able to enjoy riding tandem up to an age, where they are old enough (and hopefully, sensible enough, having learned road craft from an early age) to be allowed to keep up with the rest of the family on their own solo bikes. They will certainly be fit enough! It is difficult to give an age range... we all know 6 feet plus eleven year olds and sub-5 feet adults. Whilst the base tubes are short, compared with the other sizes in the range, they are no shorter than some of yesteryear's double adult racing machines!

The compact, stiff frame, enables these machines to be ridden solo... making the "school run" a very attractive proposition! Indeed, it is reported that such lucky children, are considered by their peers, to be very "cool".
Please remember that these are high quality frames, this combined with the super durable Rohloff hub, will ensure a very strong resale, or trade-in value; the inevitable capital outlay, is more than offset by savings on fuel, servicing and time, compared with driving to school. If it is to be used for leisure only, it is a very small price to pay for your shared experiences, whilst giving a child the best possible opportunity to become a cyclist, in their own right.

Size #3 (S/XS)
This size has the lowest front and rear stand over heights that we can provide, with this style of double adult tandem. This size would suit much shorter than average male (or slightly shorter than average female) pilots and shorter than average female stokers. There weren't as many crews, who wanted this size tandem as we'd thought!

Size #5 (M/M)
This size will suit average size male (or taller than average female) pilots and female stokers of average height.

Size #9 (M/M)
Like size #5, this size is also suitable for average size male (or taller than average female) pilots and female stokers of average height.

Size #11 (L/L+)
Pilot and stoker both need to be tall, to ride this size. The front top tube and the base tube, are both really long.
They're long enough even for an average sized male stoker to be really comfortable.
When you're both tall (which you need to be, to ride this size!) frame stiffness is really important. Consequently this size is especially suitable for high performance cycling, as well as obviously being suitable for expedition use.

Size #4A (Small Medium/Small). This was a very popular size and we sold out of the original frames in size #4, very quickly.
Size #4A will suit shorter than average male (or average sized female) pilots and slightly shorter than average female stokers.

Size #7A (S/M) This size suits a tandem crew, where the pilot is not only short but possibly shorter than the stoker. It's usual for the partner, with the greatest upper body strength, to be on the front, but we've also sold many of this size to (or for) average size female pilots with blind male stokers. This size is perfect for an average size female pilot and an average size male stoker.

Size #12A (L/M).
The pilot needs to be taller than the average size male and the stoker needs to be at least as tall, as the average size female, to ride this size. The front top tube and the base tube are both really long - certainly long enough for even the average sized male stoker to be comfortable.

MODEL Type of frame	Frame Code Number	**SIZE** FRONT/ REAR	**Virtual FRONT** SIZE C to Cmm	**Virtual FRONT TOP TUBE** C to Cmm	**BB Height FRONT**	Stand Over Height **FRONT**	S/O Height **FRONT** middle of top tube	**BASE TUBE** (This is effectively the length of the rear top tube)	REAR Seat Tube **C to C**	**BB Height REAR**	S/O Height **REAR** Middle of top tube	Bottle cages on non-coupled frames	Bottle cages on **S&S** frames
Dynamic Direct lateral Child back	**#1**	**S/XXS**	**510**	**560**	**275**	**770**	**720**	**581**	**280**	**260**	**610**	**3**	**3**
Dynamic Direct lateral Child back	**#2**	**L/XXS**	**600**	**600**	**285**	**840**	**780**	**581**	**280**	**260**	**630**	**4**	**3**
Adventure Direct lateral	**#3**	**S/XS**	**510**	**560**	**275**	**760**	**744**	**632**	**370**	**275**	**678**	**4**	**3**
Adventure Direct lateral	**#5**	**M/M**	**555**	**580**	**280**	**820**	**800**	**632**	**460**	**280**	**755**	**4**	**4**
Discovery Double marathon	**#9**	**M/M**	**555**	**600**	**280**	**820**	**800**	**720**	**460**	**280**	**755**	**5**	**4**
Discovery Double marathon	**#11**	**L/L**	**600**	**625**	**285**	**863**	**850**	**784**	**520**	**285**	**814**	**5**	**5**
Adventure Direct lateral	**#4A**	**SM/S**	**530**	**570**	**280**	**777**	**755**	**683**	**400**	**275**	**712**	**4**	**3**
Discovery Double marathon	**#7A**	**S/M**	**510**	**565**	**280**	**770**	**762**	**759**	**440**	**280**	**746**	**5**	**4**
Discovery Double marathon	**#12A**	**L/M**	**600**	**605**	**285**	**863**	**835**	**784**	**460**	**285**	**769**	**5**	**4**

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