



# Trident Triplet

26 inch wheel derailleur equipped



Tough, large flange, Shimano XT 48 hole tandem hubs handbuilt in to bomb proof Sun Rhino rims.



Quick, simple and reliable eccentric bottom bracket chain adjustment.



Thorn adjustable stoker stems.

Double marathon frame design for increased strength and stiffness and stability.



Easily control your speed with the pilot operated Arai drag brake.

## As seen on Blue Peter



Thorn Trident appearance on Blue Peter



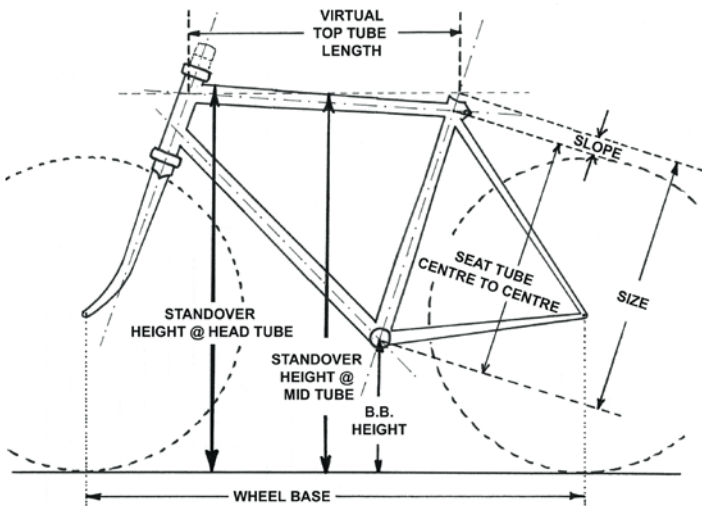
Thorn alloy cranks.



## Caution!

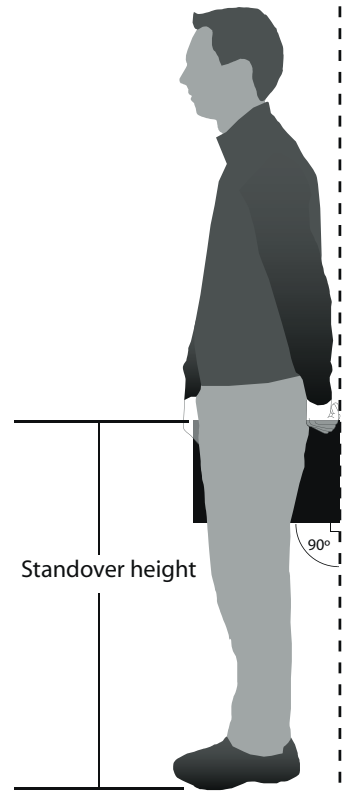
Riding a triplet is SIGNIFICANTLY more dangerous than riding a regular bicycle, particularly with respect to stopping distances and heat dissipation when descending. The drag brake is provided to keep the speed down without overheating the rims, less heat is dissipated if the cycle is allowed to descend faster but the risk of not being able to stop within the required distance is increased. The drag brake too will fail after prolonged use but this is not as life threatening as tyre failure. There are MANY sections of road within the UK where riders on an adult triplet that were not confident to descend at speeds approaching terminal velocity would have little other option THAN TO WALK. As the rider's combined weights increase so does the risk of misadventure. This device is not covered by British Standards but complies with all relevant legislation, however it should be treated with the same degree of risk assessment by it's users as would an ocean going yacht or a hang glider. If further clarification is required please phone Robin Thorn on 01278-441522 or email: robin@sjscycles.com

## Frame Dimensions



To measure your standover height...

1. Stand in cycling shoes with your back against a wall, feet together.
2. Place a large coffee table style book (a thin hardback book is best) against the wall between your legs.
3. Raise the book as high as it will go. Without moving the book step forward and note the position of the top of the book.
4. Measure from the floor to the top of book... that is your standover height!



Trident (based on 1.75" tyres)									
Position	Size (inches)	Overall length (mm)	Seat tube centre to top (mm)	Seat tube centre to centre (mm)	Virtual top tube length (mm)	Bottom bracket height (mm)	Wheelbase (mm)	Standover height at head tube (mm)	Standover height at mid tube (mm)
Pilot	20"	3000	580	520	570	285	2350	840	820
Centre	18"	3000	525	465	620	280	2350	N/A	770
Rear	16"	3000	450	410	620	280	2350	N/A	720



# Trident - Order form

Frameset...  
from £899.99

The THORN **Trident** is available as a **frame & fork** package

Frameset: 3 x Thorn Alloy eccentric, all stainless screws.  
(please choose frame colour)  
**Trident frameset** £899.99

Complete Tandem...  
**from £1999**  
Standard Specification.

Individually hand build to your exact specification...  
Please choose your desired frame colour & standard component options below.  
**Trident Triplet** £1999

## Size & Colour

\* = Please  tick box required

Size  20/18/16"

Colour  Jet Black   
 Rocket Red

**Triplet build-up options...** Each Triplet is individually hand built from the frame up, to your exact specification, on our premises here in Bridgwater.

We offer many upgrades and custom options as standard, and can accommodate most component requests... Talk to us now about your dream specification.

## Setup Dimensions

### Pilot Dimensions

Standover Height = \_\_\_\_\_ mm

Height = \_\_\_\_\_ mm

Preferred riding position =

Relaxed  Sporty   
Racing  Upright

### Centre Dimensions

Standover Height = \_\_\_\_\_ mm

Height = \_\_\_\_\_ mm

Preferred riding position =

Relaxed  Sporty   
Racing  Upright

### Rear Dimensions

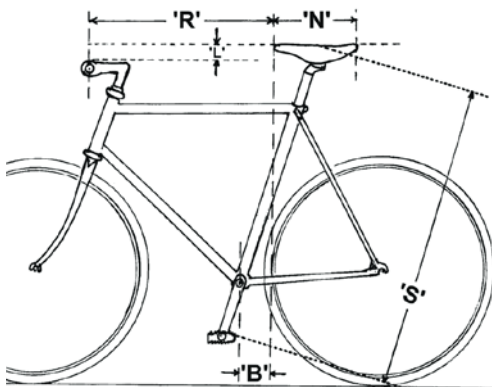
Standover Height = \_\_\_\_\_ mm

Height = \_\_\_\_\_ mm

Preferred riding position =

Relaxed  Sporty   
Racing  Upright

The following dimensions will enable us to set up your New bike exactly like your favourite machine.



Cycle must be on a level surface

**N** = Overall saddle length & name of Saddle:

**S** = Distance from top of pedal (crank in-line with seat tube) to top of saddle, measured along the seat tube.

**L** = Distance from the bottom of a level straight edge placed on the top of the saddle to the top of the handlebar stem.

**B** = Distance that a plumb line (weight on a bit of thread) falls behind the centre of the bottom bracket when suspended from the tip of the saddle.

**R** = Distance from tip of saddle to the centre of the handlebars.

**Note:** The dimensions you send us must be accurate, otherwise this is a meaningless exercise... Get somebody else to check your measurements.

### Pilot Dimensions

N = \_\_\_\_\_ mm

Name \_\_\_\_\_

S = \_\_\_\_\_ mm

L = \_\_\_\_\_ mm

B = \_\_\_\_\_ mm

R = \_\_\_\_\_ mm

### Centre Dimensions

N = \_\_\_\_\_ mm

Name \_\_\_\_\_

S = \_\_\_\_\_ mm

L = \_\_\_\_\_ mm

B = \_\_\_\_\_ mm

R = \_\_\_\_\_ mm

### Rear Dimensions

N = \_\_\_\_\_ mm

Name \_\_\_\_\_

S = \_\_\_\_\_ mm

L = \_\_\_\_\_ mm

B = \_\_\_\_\_ mm

R = \_\_\_\_\_ mm

Invoice N° \_\_\_\_\_

Title: Mr / Mrs / Miss / Ms / Dr \_\_\_\_\_

First name \_\_\_\_\_

Surname \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Town \_\_\_\_\_

County \_\_\_\_\_

Postcode **Postcode** \_\_\_\_\_

Country \_\_\_\_\_

Telephone Number

Home \_\_\_\_\_

Work \_\_\_\_\_

Mobile \_\_\_\_\_

Email address

\_\_\_\_\_ @ \_\_\_\_\_



Call: 01278 441500  
online: [www.sjscycles.com](http://www.sjscycles.com)

St John Street Cycles

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Please Note:- Occasionally some items become unavailable for long periods of time. We reserve the right to substitute items of similar (or greater) value where there will be no adverse difference in function. No surcharge will be made.

St John Street Cycles is a trading style of Thorn Cycles Ltd (incorporated in England 4121096 - registered office: St John Street Cycles 91-93 St John Street, Bridgwater TA6 5HX)

# Trident - Order form

## Standard Components & Options (no pedals included)

\* = Please  tick box required

**Headset** - 1 1/8" threadless FSA Orbit XL II (aerospace bearings... currently **the best** available), silver

**Wheels** - 48 hole Shimano XT Tandem hubs (145mm rear O.L.N), 48 hole Sun Rhyno (black) rims, 2.0mm stainless steel spokes, presta valve inner tubes, Velox rim tape.

Panaracer tyres\* **Hi Road 1.5"** (rigid bead)   
**Pasela Tourguard 1.75"** (rigid bead)

**Brakes** - Shimano Deore M510 front and rear V brake, Shimano Deore M510 V brake levers. Arai screw-on drum (drag) brake, Pilot operated by a Suntour XC LTD left hand lever with Venhill 1.5mm tandem brake cable.

**Gear shifters** - 8 speed SRAM Attack Shorty twist-grip-style shifter

**Cassette** - Shimano HG60-i 11-34t (11/13/15/17/20/23/26/34t)

**Front derailleur** - Suntour X-1 triple, 28.6mm band-on, bottom pull

**NOTE:** Not compatible with S.T.I. style shifters.

**Rear derailleur** - Shimano Deore M510

### Chainset - >

**Pilot:** Thorn Power Pro alloy front tandem chainset, 170mm cranks, alloy 38t x-over ring (110mm PCD)

**Centre Stoker:** Thorn Power Pro alloy front tandem chainset, 170mm cranks, twin alloy 38t x-over ring (110mm PCD), 5 x Stronglight triple chainring bolts

**Rear Stoker:** Thorn Power Pro alloy rear tandem chainset, 170mm cranks, 28/38/48t steel rings (110/74mm PCD), alloy 38t x-over ring (110mm PCD)  
**NOTE:** Not compatible with S.T.I. style shifters.

**Connecting chains** - SRAM PC48 chain.

**Drive chain** - SRAM PC48 chain.

**Bottom Brackets** - 3 x Shimano UN53 (68 x 122.5mm) sealed bearing unit.

### Stem\*

**Pilot:** Thorn 1 1/8" alloy "front loading" threadless stem (length/angle to suit)

**Stem** - Length \_\_\_\_\_ mm Angle° \_\_\_\_\_ (**Internal use only**)

**Centre Stoker:** Thorn adjustable (black) stoker's stem,

**Rear Stoker:** Thorn adjustable (black) stoker's stem,

### Handlebars\*

#### Pilot:

> **Thorn Comfort bars Mk2** - New improved design - Designed in consultation with a senior physiotherapist. Double butted (1.8/3.0/1.8mm) 2014 alloy, 18° sweep. Extra wide 25.4mm centre section gives more room for attaching bar bags, computers & lights etc. (easy adjustment of reach simply by rotating the bars)

> **High quality alloy straight bars** & comfortable handlebar grips

#### Centre Stoker:

> **Thorn Comfort bars Mk2**

> **Thorn alloy Stoker bars** with black cork tape

> **High quality alloy straight bars** & comfortable handlebar grips

#### Rear Stoker:

> **Thorn Comfort bars Mk2**

> **Thorn alloy Stoker bars** with black cork tape

> **High quality alloy straight bars** & comfortable handlebar grips

### Saddle\*

**Pilot:** > **Gents gel**  > **Ladies gel**

**Centre Stoker:** > **Gents gel**  > **Ladies gel**

**Rear Stoker:** > **Gents gel**  > **Ladies gel**

> 3 x 26.4mm alloy micro-adjustable seatpin.

> SKS mudguards\* **Silver**  **Black**

> High quality brake + gear inner wires and outer cables & bell... no pedals included.

# Upgrades

## Tyre Upgrades - per pair

> Panaracer Pasela Tourguard **folding** tyre with Aramid belt **26 x 1.75** (42-559) 435g ..... + £15

> Panaracer Pasela Hi road Compe **folding** tyre **26 x 1.5** (40-559) 375g ..... + £15

## Wheel Upgrades

> Schmidt Son dynamo front hub in silver, Busch & Muller Lumotec switchable halogen headlamp (without standlight), upgrade bulb for front use only & Highest quality Thorn alloy headlamp bracket fitted to the fork crown... this will ensure a bar bag will not interfere with the beam **Thorn highly recommended** ..... + £230

> As above but **black** Schmidt Son dynamo front hub (Resists salt corrosion better) ..... + £250

# Accessories

## Rear Carriers

Blackburn MTN rear carrier black  or silver  ..... £25

Blackburn EX1 Expedition rear carrier black  or silver  ..... £30

Thorn steel expedition rear carrier, black ..... £70

## Pedals

### Pilot:

> SPD type

Shimano (M324) double sided pedals - SPD system one side, standard rat trap style on the other, steel cage (inc cleats) ..... £40

Shimano (M520) SPD double sided pedals (inc cleats) ..... £16

> Clip & Strap type

MKS GR9 platform pedals, including toe clips & straps -  
S  M  L  XL  ..... £30

Other pedals please specify: \_\_\_\_\_

### Centre Stoker:

> SPD type

Shimano (M324) double sided pedals - SPD system one side, standard rat trap style on the other, steel cage (inc cleats) ..... £40

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> Clip & Strap type

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S  M  L  XL  ..... £30

Other pedals please specify: \_\_\_\_\_

### Rear Stoker:

> SPD type

Shimano (M324) double sided pedals - SPD system one side, standard rat trap style on the other, steel cage (inc cleats) ..... £40

Shimano (M520) SPD double sided pedals (inc cleats) ..... £16

> Clip & Strap type

MKS GR9 platform pedals, including toe clips & straps -  
S  M  L  XL  ..... £30

Other pedals please specify: \_\_\_\_\_

## Accessories

> **Original design Profile cage** "made exclusively for Thorn" **THE BEST EVER BOTTLE CAGE!** (Not to be confused with the current offering.) Great for touring, securely holds LARGE drinks bottles .....  
..... Number required \_\_\_\_\_ x £6 each = £ \_\_\_\_\_

> Composite MTN bottle cage, ultimate security and cleanliness .....  
..... Number required \_\_\_\_\_ x £5 each = £ \_\_\_\_\_

> Zefal HPX pump, best quality ever, easy to obtain high pressure ..... £20