

BUILD	THORN Mercury Mk3 with 650b (27.5") wheels, Rohloff hub gears and either straight or drop bars.	
8	Builds 8a (straight bars) and 8b (drop bars)	<div>Starting from around £3300</div> <div>Issue 3</div>

A Rohloff-equipped Thorn Mercury, with 650b wheels, is a **superb bike for brisk and comfortable lightweight touring** on back country roads.

The wide range of gears provided by the Rohloff hub gives riders confidence in their ability to tackle the steepest gradients - the long service life and unrivalled reliability of the hub gives riders confidence in their bike's ability.

A 650b Mercury Mk3 would also make an outstanding GRAVEL BIKE

If front carriers are fitted, a Mercury 650b is also more than capable of being used for lightweight cycle camping.



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There's a choice between disc brakes F&R or having a rear disc brake and a V front brake.

If you choose F&R discs, the bike is supplied with the appropriate **Thorn Mk3 110 x 15mm through axle Boost Steel Disc fork**, which is fitted with bosses for the direct fitting of mudguards and for attaching a front carrier if/when required. **Note:** a disc fork is always heavier and less comfortable than a V brake fork.

If you choose to have a rear disc brake and a V front brake, you have the choice of either our exceptionally comfortable standard V brake fork, which also has provision for the direct fitting of mudguards and attaching a front carrier, or our Reynolds 853 fork. The 853 fork is lighter and even more comfortable but is more expensive and **cannot** be used with a front carrier but it still has the fittings for the direct fitting of mudguards.

Build 8a straight bars:

We believe that the nicest spec for most people who want straight bars is:

Thorn 853 fork and rear disc brake + a V front brake this spec is listed below:-

Wheels...Deore Black front hub. Thorn 32h 650b rim brake rim. [Black Rohloff disc rear hub](#). [Thorn 32h 650b rim](#). [Hope 160mm rotor for Rohloff](#).

Tyres...Schwalbe G-One speed 50mm #48270S50 + necessary tape and sealant. Marathon Mondial 50mm.

Brakes F...Shimano XT V brake. R...TRP Spyke cable operated disc brake with Hope Rohloff rotor. Levers...Shimano XT

Bars...Thorn Flat Track bars 580mm (or cut to suit). Grips...Ergon GP5L. Stem...Kallay AS-009 UNO (or similar) to suit customer's set up dimensions. Rohloff gear shifter.

Gearing...Thorn black 104 BCD 170mm (or length to suit customer's dimensions) Thorn 40t single 104 BCD chainring (or customer's choice) Rohloff 17t splined sprocket. (or customer's choice). KMC Rohloff-specific chain.

Accessories...2 x Profile bottle cages, SKS black mudguards, Tubus Airy titanium rear carrier (Option to fit Tubus Vega instead. Option also for the neat installation of the superb Moon Pulsar rear LED light)

Saddle...Thorn Velo saddle, men's or women's (as appropriate) or option to have no saddle or upgrade to any other saddle stocked by SJS Cycles.

If you wish to be able to carry a lightweight cycle camping load with **straight bars**, you'll need to specify the **Thorn Standard fork with rear disc brake and a V front brake** the spec and options are the same as on your left but there is the additional option of adding a Thorn Lo-loader front carrier.

If you want disc brakes front and rear, the spec is similar to the spec above but we use a **Thorn Mk3 110 x 15mm through axle Boost Steel Disc fork**, and we use different wheels and brakes.

Wheels...[Deore Boost \(110 x 15mm through axle\) centre lock HB6010](#), [Converter centre lock to 6 bolt](#). [Ryde Rival 32h 650b disc rim](#). [Black Rohloff disc rear hub](#). [Ryde Rival 32h 650b disc rim](#). [Hope 160mm rotor for Rohloff](#).

Brakes...**Front and Rear** TRP Spyke cable operated disc brakes, with Hope Rohloff rear rotor and TRP front rotor. Levers...Shimano XT.

If you're certain that you want to have dropped bars, which necessitate a fairly sporty riding position, for this style of cycling, we can oblige.

Build 8b drop bars:

With the 853 fork or the ST700 fork we need to change the brakes and obviously the bars.

Brakes F...Shimano XT V brake. R...TRP Spyke cable operated disc brake with Hope Rohloff rotor. Levers...Tektro drop bar levers for V brakes.

Bars...Van Nicholas 44cm dropped bars with black cork tape. Van Nicholas stem. Rohloff gear shifter.

With the Thorn Mk3 110 x 15mm through axle Boost Steel Disc fork, we also need to change the brakes and obviously the bars.

Brakes F...Shimano XT V brake. R...TRP Spyke cable operated disc brake with Hope Rohloff rotor. Levers...Tektro drop bar levers for V brakes.

Bars...Van Nicholas 44cm dropped bars with black cork tape. Van Nicholas stem. Rohloff gear shifter.

You may specify the appropriate Son Dynohub instead of the listed hub, whichever specification you choose.



THORN MERCURY Mk3 GEOMETRY

All dimensions except frame sizes are given in mm.

Frames include high quality FSA aerospace bearing headset and nice quality 27.2mm micro adjustable seat post.

MODEL	SIZE In cm	FRAME TUBE DIAMETERS	SEAT TUBE C to C	SLOPE	HEAD TUBE	VIRTUAL TOP TUBE C to C	BB Drop	SEAT ANGLE In degrees	CHAIN STAY	FORK OFFSET	MIDTUBE Standover HEIGHT	S/O at front of top tube
MERCURY Mk3 650b REYNOLDS 853 Seamless, Double butted Heat treated frame & REYNOLDS 725 stays	50S	Special O/S FRAME TUBES	410	90	109	545	70	74°	431	55	740	765
	50L		410	90	105	570	70	73.5°	431	46	740	765
	52S	30.2 top tube 30.2 seat tube	440	80	125	555	70	73.5°	431	50	755	785
	52L		440	80	117	580	70	73°	431	46	755	785
	55S	31.8 down tube	480	70	154	565	70	73°	431	50	785	825
	55L	16 seat stays	480	70	144	590	70	72.5°	436	46	785	815
	58S	.8/.5/.8 gauge	520	60	188	575	65	73°	431	50	820	842
	58L		520	60	179	600	65	72.5°	436	46	820	842
	61S	Inc shim to fit Industry standard 27.2 seat post	560	50	214	585	65	72.5°	436	50	850	865
	61L		560	50	205	615	65	72°	441	46	850	865

Bike luggage carrying capabilities.

You can add a 2kg bar bag + up to 3 x 1litre (1kg) bottles.

Please note that it's our opinion that "relaxed sweet handling" is seldom achievable with a 2kg bar bag.

OVERALL WEIGHT LIMIT RIDER +LUGGAGE 120kg 110kg with 853 fork	FAIRLY GOOD QUALITY SEALED ROADS			ROUGH DIRT ROADS/OFFROAD With due care and attention		
	MAX POSSIBLE on FRONT AND REAR RACKS. Care may be needed out of the saddle.	RECOMMENDED MAX on FRONT and REAR RACKS for RELAXED, SWEET HANDLING	RECOMMENDED MAX REAR ONLY loads for RELAXED, SWEET HANDLING	MAX POSSIBLE on FRONT AND REAR RACKS. Care may be needed out of the saddle.	RECOMMENDED MAX on FRONT and REAR RACKS for RELAXED, SWEET HANDLING	RECOMMENDED MAX REAR ONLY loads for RELAXED, SWEET HANDLING
MERCURY Mk3 650b (27.5")	35 Kg	25 Kg	18 Kg	25 Kg	18 Kg	14 Kg

Links to other documents.



[CLICK HERE](#)
For "THORN TOURING BIKE BIBLE"

This is a 24mb file; it may take considerable time for it to open

[CLICK HERE](#)
For "LIVING WITH a ROHLOFF HUB"

This is a 35mb file; it may take considerable time for it to open, please be patient.

All of our solo bikes are available in 4 colours - however, it's always the case that some colours in some sizes will sell out. The frames and forks are all ED coated and given a primer, before a coat of Du Pont Imron twin pack paint is applied and cured. A twin pack lacquer is then applied and cured. Our decals are now high quality self-adhesive decals and replacements are available. Please note that because Imron is twin pack, we can't supply touch up paint.

The 4 colours are as follows:

Gunmetal

(Deep lustre and tasteful)

BRG

(Glossy and stealthy)

Thorn Blue

(Tastefully bright)

Blood Red

(In your face and obviously quicker)