

BUILD	THORN NOMAD Mk3 with 650b (27.5") wheels, derailleur gears and either straight or drop bars.	Starting from around £2400	Issue 3
2			

Builds 2a (straight bars) and 2b (drop bars)

Starting from around £2400

Issue 3

In our opinion, a Derailleur Nomad Mk3, with 650b wheels and straight bars is
The definitive derailleur geared, multi-purpose touring bike.

We can achieve any riding position between relaxed and sporty. However, if you're certain that you want dropped bars for this style of cycling and provided you accept and understand that the riding position would be fairly sporty, we can oblige.

The Nomad Mk3 650b could carry all you could reasonably wish to take on an expedition, it will **excel at medium to heavyweight cycle camping**, whilst with the front rack removed and the correct choice of tyres, it's only slightly overbuilt for lightweight touring/commuting.

The huge spread of gears that we provide with our wide range 30sp set up gives riders confidence in their ability to tackle the steepest gradients - the no-nonsense build gives riders confidence in their bike's ability.

If you decide later on that you want a Rohloff hub, the Nomad Mk3 frame has all the necessary fittings to allow a neat installation, which is identical to that of a Thorn Nomad Mk3 Rohloff build.



SIZE 55S

Nomad Mk3 650b in premium GRX spec



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With 650b wheels there is only the option of having disc brakes front and rear, using the Thorn Mk3 Steel disc fork, which takes a 110 x 15mm Boost through axle.

The 650b disc rims we use can be run with tubed tyres or with tubeless tyres. A vast selection of modern tubeless tyres is now available. Choosing high quality, fat, lightweight tyres (especially tubeless tyres) will mitigate against the harsher ride that is inevitable with a disc fork.

Build 2a with straight bars.

Wheels...Deore Boost (110 x 15mm through axle) centre lock HB6010, Converter centre lock to 6 bolt.

Or Son 110 x 15mm Boost 6 bolt disc dynohub. Ryde Rival 32h 650b disc rim. Deore black rear disc cassette hub. Converter centre lock to 6 bolt. Ryde Rival 32h 650b disc rim.

Tyres...For riding on sealed roads, choose 57mm Schwalbe Schwalbe G-One Allround tubeless tyres. Or 50mm Schwalbe G-One speed tubeless tyres. For riding on dirt roads choose Schwalbe G-One Bite 54mm. For more rugged use, choose Schwalbe Marathon Mondial 650 x 50b or Marathon Almotion 650 x 55b. All tubeless options come with the necessary tape and sealant.

Brakes F&R...TRP Spyke cable operated disc brakes with TRP rotor. Levers...Shimano Deore.

Bars...Thorn FFT bars 620mm (or cut to suit). Grips...Ergon GP5L. Stem...Kallooy AS-021 UNO (or similar oversize stem) to suit customer's set up dimensions. Shimano Deore Rapidfire shifters.

Gearing...Exclusive Shimano Deore 48/36/26 chainset 170mm (or 175mm length to suit customer's dimensions) Shimano 10sp 11-36 cassette and a high quality chain.

Accessories...3 x Profile bottle cages, SKS black mudguards, Thorn Expedition rear carrier plus Thorn Lo-Loader front carrier (Option also for a Tubus Vega rear carrier, which saves weight and money but is not suited to expedition or very heavy touring, 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.

Build 2b with drop bars.

A Deraileur Nomad Mk3, with 650b wheels and straight bars is the definitive deraileur geared, **multi-purpose touring bike**. If you are certain that you want to have dropped bars, with a fairly sporty riding position, for this style of cycling, we can oblige. This bike could carry all you could reasonably wish to take on an expedition, it will **excel at medium to heavyweight cycle camping** whilst with the front rack removed and the correct choice of tyres, it's only slightly overbuilt for lightweight touring/commuting. The wide range of gears that we provide with our wide range 30sp set up gives riders confidence in their ability to tackle the steepest gradients - the no-nonsense build gives riders confidence in their bike's ability. If you decide later on that you want a Rohloff hub, the Nomad Mk3 frame has all the necessary fittings to allow a neat installation, which is identical to that of a Thorn Nomad Mk3 Rohloff build.

Wheels, tyres , gearing, accessories and saddles are as the above straight bar build.

Brakes F&R...TRP Spyre cable operated disc brakes with TRP rotor.

Bars...44cm drop bars with appropriate stem. Shimano 105 ST-700 10sp STI shifters

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

M6 stainless bosses for rear carrier.

Thorn stainless seat clamp and shim for supplied 27.2mm industry standard 400mm seat post

M5 stainless bosses for direct fitting of mudguards - also on chain stay bridge



High quality FSA aerospace headset



Thorn stainless guides for Rohloff or for derailleur cables.

Chunky reinforcing Gusset

400mm 27.2mm micro adjust post and 29.8mm shim

Removable Thorn CNC brake pivots for either 26" or 650b (27.5") rims

Thorn Nomad Mk3

All 8 tubes are cold drawn, heat treated seamless Cr-Mo. Tyre clearance for 26 x 2.5", 650 x 2.35b or 700 x 40c with disc brakes.

Size shown 55L

Thorn stainless guides for rear brake.

ISO disc mount

3 sets of bottle bosses

M6 Stainless boss for headlight

Stainless guides for Rohloff cables

M6 stainless bosses for Lo-Loader

2 x M5 Stainless bosses for direct fit M/G

Curved braces for extreme rear end strength

Stainless guides for Derailleur cables

M6 stainless bosses for M/G stays

Stainless ISO disc mount

Thorn Mk3 Steel Disc Fork. 110 X 15mm Boost Through Axle

Stainless coupling for provision for Gates Belt

Thorn Mk3 eccentric and stainless Mk3 eccentric shell



Thorn stainless socketed dropouts and alternative CNC inserts for Rohloff or for derailleur gears

Also available in 2 Step Through sizes

THORN NOMAD Mk3 BIKE 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
THORN NOMAD Mk3 650b THORN 969 Seamless, Double butted Heat treated Cro-Mo frame & stays	40 S/T	MEGA OVERSIZED FRAME TUBES 31.8 top tube 31.8 seat tube 34.9 down tube 19 seat stays .9/.6/.9 gauge Inc shim to fit Industry standard 27.2 seat post	440 Centre to Top	Step Through frame 180mm Head Tube		545	55	74°	441	60		
	47 S/T		505 Centre to Top	Step Through frame 230mm Head Tube		580	50	73°	453	53		
	50S		400	100	105	535	55	74°	435	60	740	770
	50L		400	100	94	570	55	73.5°	453	53	740	770
	52S		430	90	127	545	50	73.5°	441	60	765	785
	52L		430	90	116	585	50	73°	459	53	765	785
	55S		470	80	154	555	50	73°	447	60	815	820
	55L		470	80	141	600	50	72.5°	466	48	815	820
	58S		505	75	182	570	45	73°	453	53	830	875
	58L		505	75	172	615	45	72°	472	48	830	875
	61S		540	70	211	585	40	72.5°	459	48	860	
	61L		540	70	208	635	40	72°	479	48	860	

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 160kg	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
NOMAD Mk3 650b (27.5)	45 kg	35 kg	25 kg	35 kg	28 kg	20 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)