

# NEO

BY  APOLLO  
BICYCLES

# 2017

DEALER INFORMATION



DESIGNED  
TO BE SAFE

DESIGNED  
TO FIT

DESIGNED  
TO PERFORM

DESIGNED TO  
BE EFFICIENT



# OUR 4 DESIGN PHILOSOPHIES

## 1

### DESIGNED TO BE SAFE

Safety is Priority, we design the complete bike with the rider's safety in mind.

The Neo range has been designed from the ground up to be as safe as possible for you child. From our light weight alloy frame, semi slick tyres, child specific grips, and child specific saddle, safety is key. We do not put a part on our bikes unless it is of the highest quality.

## 2

### DESIGNED TO FIT

Custom geometry for maximum riding comfort and stability.

With a low standover height to help boost confidence while learning, the Neo geometry has been optimised for growing bodies. Combined with adjustable components you can dial in the best fit for your child.





# 3

## DESIGNED TO PERFORM

Custom components for a reliable and comfortable ride.

In addition to the custom geometry, we pay special attention to the components that we use on our Neos. We use components that are high quality, lightweight and that are child specific to the size of the model. With our light weight alloy frame, fork, handlebar, stem and wheels, these bikes are born to perform. Couple that with our non-slip grips, comfortech saddles and durable pedals, these Neo are a true segment leader.



# 4

## DESIGNED TO BE EFFICIENT

Our featherweight frame and fork give superior riding efficiency.

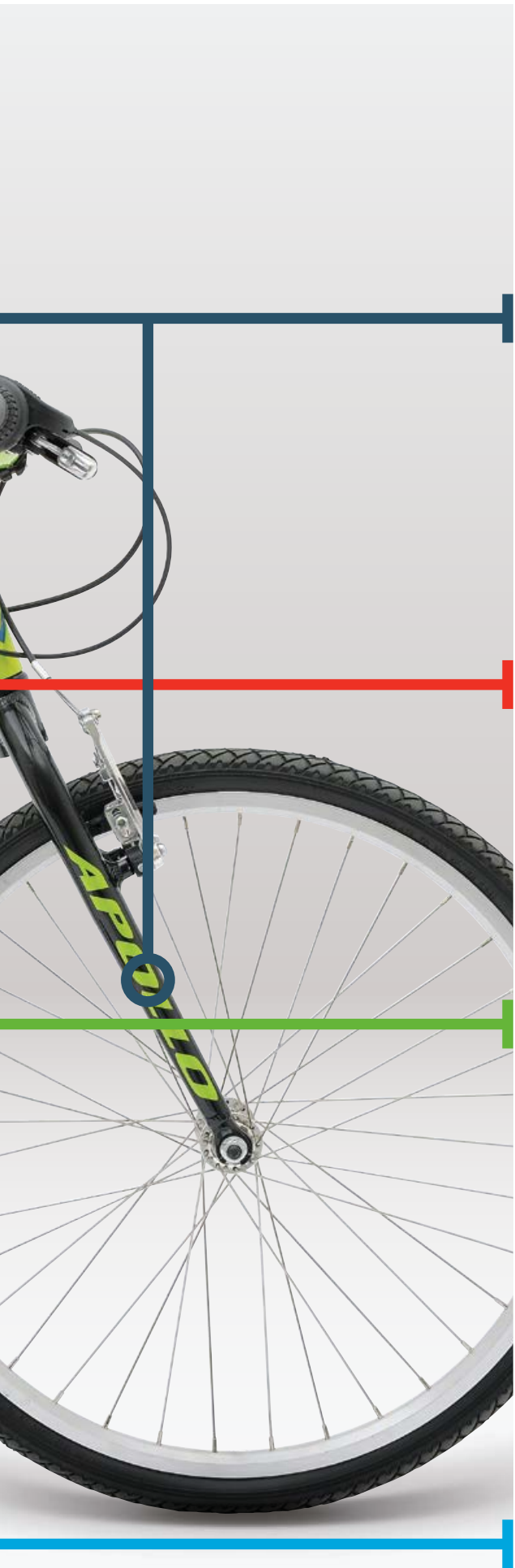
Light weights are vital in creating bikes for kids. The lighter the bike, the easier it is to start moving, manoeuvre, and maintain speed without wasting energy. In order to create truly lightweight kids' bikes, we use a lightweight alloy in both the frame and fork, creating an agile and efficient foundation. But this is just the start. We shed further weight by using alloy in our hubs, rims, handlebars and stem. The result is a kid's bike which is not only designed for efficiency using a weight-saving approach commonly found on adult bikes, but also designed for fun.

A bike's weight, fit and handling play a direct role in learning to ride with confidence. By optimising each element, your child can learn safely and enjoy the journey.

# TECHNOLOGY

Each Neo model benefits from a number of core technologies, turning our 4 design philosophies into the final product.





## featherweight alloy

Our featherweight alloy goes into both our frames and forks, which not only shaves weight off the bike, but also improves overall handling without sacrificing strength.



Light and comfy saddles, sized specifically for each Neo model, help smooth out the bumps, and make the ride enjoyable.

## energy efficient design

How do you make a bike easier to ride? To achieve this in our Neo bikes, we looked at several factors:

**Weight** - The lighter the bike, the easier it becomes to start moving, maintain speed, and stop. In addition to alloy frames and forks, we select lightweight alloy components as well.

**Fit** - If the bike doesn't fit well, your child exerts extra energy to compensate. We select narrow handlebars to align properly with the shoulder width and arm length of children. Creating the optimal riding position allows for comfortable riding and efficient pedaling.

## powersurge

Featured on geared Neo models, reliable Shimano gearing provides a greater level of riding efficiency. The benefits of gearing allow your kids to ride further, have greater control of speed, and tackle hills.

# SIZING

The Neo range is available in 4 sizes, and designed to cater to the largest possible range of ages and heights for children. Please see below for our recommended sizing.



**NEO 24**

Height range: 130-160 cm  
Age range: 8 - 10+ yrs

**NEO 20 GEARED**

Height range: 114-132 cm  
Age range: 5 - 8 yrs

**NEO 20**

**NEO 16**

Height range: 95-117 cm  
Age range: 3 - 6 yrs

**NEO 12**

Height range: 85-102 cm  
Age range: 2 - 4 yrs

**NEO JR**



GIRL'S

BOY'S



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## NEO 24 GIRL'S

**17245** Gloss white / gloss lime / gloss blue

**17246** Gloss white / gloss navy blue / gloss pink

## NEO 24 BOY'S

**17243** Gloss lime / gloss black / gloss blue

**17244** Gloss black / gloss red / gloss white

## KEY FEATURES

- Junior specific, lightweight alloy frame.
- Lightweight alloy straight blade fork.
- Low standover frame, allowing easy operation.
- Lightweight alloy hubs, rims, handlebars and stem, reducing the overall weight of the bicycle.
- Super comfortable junior specific saddle, for ultimate riding comfort.
- Junior specific grips for comfort and minimised hand slippage.
- Shimano 7 speed shifting for reliable shifting performance.

## TECHNOLOGY



## SPECIFICATIONS

<b>FRAME</b>	Lightweight alloy frame with low stand over height	<b>F. DERAILLEUR</b>	N/A
<b>FORK</b>	24" lightweight rigid 6061 alloy fork with 25.4 straight blades	<b>R. DERAILLEUR</b>	Shimano TX-35
<b>HEADSET</b>	Semi-sealed 1-1/8" A-head	<b>SHIFT LEVERS</b>	Shimano Revoshift 7 speed rear
<b>HANDLEBAR</b>	Lightweight alloy low riser 560mm	<b>CASSETTE</b>	Shimano MF TZ21 14-28T 7 speed freewheel
<b>GRIP</b>	Kraton grips	<b>CHAIN</b>	KMC Z-51
<b>HEADSTEM</b>	Alloy A-head 4 Bolt stem with Rise: 10° Bore: 25.4mm, L: 60mm.	<b>BRAKES</b>	Alloy linear pull brakes
<b>CRANKSET</b>	Oversize 3 piece crank with 36T chainwheel and double chainguard	<b>WHEELS</b>	Lightweight alloy 32 hole double wall rims with alloy hubs with nutted axles
<b>BOTTOM BRACKET</b>	Nutted bottom bracket	<b>TYRES</b>	24" x 1.5 slick
<b>PEDALS</b>	High Impact plastic	<b>SADDLE</b>	Apollo youth saddle
		<b>SEATPOST / CLAMP</b>	27.2mm alloy micro adjust with quick release clamp
		<b>EXTRAS</b>	Alloy kickstand

## GEOMETRY

	GIRL'S	BOY'S
<b>SEAT TUBE (CENTRE TO TOP)</b>	308	308
<b>TOP TUBE LENGTH</b>	525	525
<b>SEAT ANGLE</b>	73°	73°
<b>HEAD ANGLE</b>	70°	70°
<b>FORK RAKE</b>	40	40
<b>WHEEL BASE</b>	993	993
<b>STAND OVER</b>	293	325
<b>CHAIN STAY LENGTH</b>	410	410
<b>HEAD TUBE LENGTH</b>	100	110
<b>BB DROP</b>	30	30
<b>DROPOUT SPACING</b>	135	135

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# NEO 20 GEARED

Height range  
114-132 cm

Age range  
5 - 8 yrs

## NEO 20 GEARED GIRL'S

**16419** Gloss Purple / Gloss White / Gloss Blue

**16420** Gloss White / Gloss Pink / Gloss Blue

## NEO 20 GEARED BOY'S

**16417** Gloss White / Gloss Navy Blue / Gloss Red

**16418** Gloss Charcoal / Gloss White / Gloss Red

## KEY FEATURES

- Child specific lightweight alloy frame.
- Lightweight alloy straight blade fork.
- Low standover frame, allowing easy operation and boosting confidence while learning.
- Lightweight alloy hubs, rims, handlebars and stem, reducing the overall weight of the bicycle.
- Super comfortable child specific saddle, for ultimate riding comfort.
- Child specific grips for comfort and minimised hand slippage.
- Shimano 6 speed shifting for reliable shifting performance.

## TECHNOLOGY



## SPECIFICATIONS

<b>FRAME</b>	The benchmark in lightweight, easy to ride alloy frames with low stand over height	<b>F. DERAILLEUR</b>	N/A
<b>FORK</b>	20" lightweight 6061 alloy with 25.4 straight blades	<b>R. DERAILLEUR</b>	Shimano TX-35
<b>HEADSET</b>	Semi-sealed 1-1/8" A-head	<b>SHIFT LEVERS</b>	Shimano Revoshift 6 speed rear
<b>HANDLEBAR</b>	Lightweight alloy low riser 560mm	<b>CASSETTE</b>	Shimano MF TZ06 14-28T 6 speed freewheel
<b>GRIP</b>	Kraton grips	<b>CHAIN</b>	
<b>HEADSTEM</b>	Alloy A-head 4 Bolt stem with Rise: 10° Bore: 25.4mm, L: 60mm.	<b>BRAKES</b>	Alloy linear pull brakes
<b>CRANKSET</b>	Oversize 3 piece crank with 36T chainwheel and double chainguard	<b>WHEELS</b>	20" Lightweight alloy 32 hole rims with alloy hubs with nutted axles
<b>BOTTOM BRACKET</b>	Nutted bottom bracket	<b>TYRES</b>	20" x 1.75 slick
<b>PEDALS</b>	High Impact plastic	<b>SADDLE</b>	Apollo youth saddle
		<b>SEATPOST / CLAMP</b>	22.2mm alloy with quick release clamp
		<b>EXTRAS</b>	Kickstand

## GEOMETRY

	GIRL'S	BOY'S
<b>SEAT TUBE (CENTRE TO TOP)</b>	240	240
<b>TOP TUBE LENGTH</b>	436	437
<b>SEAT ANGLE</b>	72°	72°
<b>HEAD ANGLE</b>	70°	70°
<b>FORK RAKE</b>	40	40
<b>WHEEL BASE</b>	891	891
<b>STAND OVER</b>	227	277
<b>CHAIN STAY LENGTH</b>	375	375
<b>HEAD TUBE LENGTH</b>	90	90
<b>BB DROP</b>	0	0
<b>DROPOUT SPACING</b>	130	130

Specifications correct at time of print and are subject to change at any time without notice. See [neobicycles.com.au](http://neobicycles.com.au) for latest information. Bicycles photographed without included Australian Standards safety components.

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# NEO 20

Height range  
114-132 cm

Age range  
5 - 8 yrs

## NEO 20 GIRL'S

16423 Gloss White / Gloss Dark Pink

16424 Gloss White / Gloss Lavender

## NEO 20 BOY'S

17247 Gloss charcoal / gloss lime / gloss blue

17248 Gloss charcoal / gloss red / gloss white

## KEY FEATURES

- Child specific lightweight alloy frame.
- Light weight alloy straight blade fork.
- Low standover frame, allowing easy operation and boosting confidence while learning.
- Lightweight alloy hubs, rims, handlebars and stem, reducing the overall weight of the bicycle.
- Super comfortable child specific saddle, for ultimate riding comfort.
- Child specific grips for comfort and minimised hand slippage.

## TECHNOLOGY



## SPECIFICATIONS

<b>FRAME</b>	The benchmark in lightweight, easy to ride alloy frames with low stand over height	<b>F. DERAILLEUR</b>	N/A
<b>FORK</b>	20" lightweight 6061 alloy with 25.4 straight blades	<b>R. DERAILLEUR</b>	N/A
<b>HEADSET</b>	Semi-sealed 1-1/8" A-head	<b>CASSETTE</b>	18T sprocket
<b>HANDLEBAR</b>	Lightweight alloy low riser 560mm	<b>BRAKES</b>	Short reach brake levers, coaster back pedal rear brake, alloy calliper pull front brake
<b>GRIP</b>	Kraton grips	<b>WHEELS</b>	20" Alloy 32 hole rims with alloy front hub and coaster foot brake rear hub
<b>HEADSTEM</b>	Alloy A-head 4 Bolt stem with Rise: 10° Bore: 25.4mm, L: 60mm.	<b>TYRES</b>	20" x 1.75 slick
<b>CRANKSET</b>	44T one piece crank	<b>SADDLE</b>	Apollo youth saddle
<b>BOTTOM BRACKET</b>	Nutted bottom bracket	<b>SEATPOST / CLAMP</b>	22.2mm alloy with quick release clamp
<b>PEDALS</b>	High Impact plastic	<b>EXTRAS</b>	Kickstand

## GEOMETRY

	GIRL'S	BOY'S
<b>SEAT TUBE (CENTRE TO TOP)</b>	240	240
<b>TOP TUBE LENGTH</b>	436	437
<b>SEAT ANGLE</b>	72°	72°
<b>HEAD ANGLE</b>	70°	70°
<b>FORK RAKE</b>	40	40
<b>WHEEL BASE</b>	878	878
<b>STAND OVER</b>	227	280
<b>CHAIN STAY LENGTH</b>	362	362
<b>HEAD TUBE LENGTH</b>	90	90
<b>BB DROP</b>	0	0
<b>DROPOUT SPACING</b>	112	112

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# NEO 16

Height range  
95-117 cm

Age range  
3 - 6 yrs

## NEO 16 GIRL'S

**16427** Gloss Pink / Gloss White

**17251** Gloss white / gloss lavender

## NEO 16 BOY'S

**17249** Gloss navy blue / gloss orange / gloss white

**17250** Gloss charcoal / gloss red / gloss white

## KEY FEATURES

- Child specific lightweight alloy frame.
- Lightweight alloy straight blade fork.
- Low standover frame, allowing easy operation and boosting confidence while learning.
- Lightweight alloy hubs, rims, handlebars and stem, reducing the overall weight of the bicycle.
- Super comfortable child specific saddle, for ultimate riding comfort.
- Child specific grips for comfort and minimised hand slippage.

## TECHNOLOGY



## SPECIFICATIONS

<b>FRAME</b>	The benchmark in lightweight, easy to ride alloy frames with low stand over height	<b>F. DERAILLEUR</b>	N/A
<b>FORK</b>	Lightweight alloy 16" with 25.4mm straight blades	<b>R. DERAILLEUR</b>	N/A
<b>HANDLEBAR</b>	Lightweight alloy low riser 500mm	<b>CASSETTE</b>	18T sprocket
<b>GRIP</b>	Kraton grips	<b>BRAKES</b>	Short reach brake levers, coaster back pedal rear brake, alloy calliper pull front brake
<b>HEADSTEM</b>	Alloy 2 bolt quill stem for improved adjustability	<b>WHEELS</b>	16" Alloy 28 hole rims with alloy front hub and coaster foot brake rear hub
<b>CRANKSET</b>	36T one piece crank	<b>TYRES</b>	16" x 1.75" slick
<b>BOTTOM BRACKET</b>	Nutted bottom bracket	<b>SADDLE</b>	Apollo youth saddle
<b>PEDALS</b>	High Impact plastic	<b>SEATPOST / CLAMP</b>	22.2mm alloy with quick release clamp
		<b>EXTRAS</b>	Training wheels

## GEOMETRY

	GIRL'S	BOY'S
<b>SEAT TUBE (CENTRE TO TOP)</b>	195	195
<b>TOP TUBE LENGTH</b>	363	363
<b>SEAT ANGLE</b>	72°	72°
<b>HEAD ANGLE</b>	70°	70°
<b>FORK RAKE</b>	25	25
<b>WHEEL BASE</b>	738	738
<b>STAND OVER</b>	222	253
<b>CHAIN STAY LENGTH</b>	310	310
<b>HEAD TUBE LENGTH</b>	90	90
<b>BB DROP</b>	-25	-25
<b>DROPOUT SPACING</b>	112	112

# NEO

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## NEO 12 GIRL'S

16430 Gloss white / gloss lavender

## NEO 12 BOY'S

16429 Gloss charcoal / gloss blue

## KEY FEATURES

- Child specific lightweight alloy frame.
- Lightweight alloy straight blade fork.
- Low standover frame, allowing easy operation and boosting confidence while learning.
- Lightweight alloy hubs, rims, handlebars and stem, reducing the overall weight of the bicycle.
- Super comfortable child specific saddle, for ultimate riding comfort.
- Child specific grips for comfort and minimised hand slippage.

## TECHNOLOGY



## SPECIFICATIONS

<b>FRAME</b>	The benchmark in lightweight, easy to ride alloy frames with low stand over height	<b>F. DERAILLEUR</b>	N/A
<b>FORK</b>	Lightweight alloy 12" with 25.4mm straight blades	<b>R. DERAILLEUR</b>	N/A
<b>HANDLEBAR</b>	Lightweight alloy low riser 500mm	<b>CASSETTE</b>	16T sprocket
<b>GRIP</b>	Kraton grips	<b>BRAKES</b>	Coaster back pedal rear brake
<b>HEADSTEM</b>	Alloy 2 bolt stem	<b>WHEELS</b>	12" Alloy 16 hole rims with alloy front hub and coaster foot brake
<b>CRANKSET</b>	28T one piece crank	<b>TYRES</b>	12-1/2" x 2-1/4" slick
<b>BOTTOM BRACKET</b>	Nutted bottom bracket	<b>SADDLE</b>	Apollo youth saddle
<b>PEDALS</b>	High Impact plastic	<b>SEATPOST / CLAMP</b>	22.2mm alloy with quick release clamp
		<b>EXTRAS</b>	Reinforced training wheels

## GEOMETRY

	GIRL'S	BOY'S
<b>SEAT TUBE (CENTRE TO TOP)</b>	160	160
<b>TOP TUBE LENGTH</b>	314	314
<b>SEAT ANGLE</b>	72°	72°
<b>HEAD ANGLE</b>	70°	70°
<b>FORK RAKE</b>	25	25
<b>WHEEL BASE</b>	618	618
<b>STAND OVER</b>	193	219
<b>CHAIN STAY LENGTH</b>	240	240
<b>HEAD TUBE LENGTH</b>	90	90
<b>BB DROP</b>	-40	-40
<b>DROPOUT SPACING</b>	110	110

# NEO

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## NEO JR. GIRL'S

16432 Gloss Pink / Gloss White

## NEO JR. BOY'S

17254 Gloss charcoal / gloss red / gloss white

## KEY FEATURES

- Lightweight alloy frame without pedals teaches kids to balance naturally.
- Lightweight alloy straight blade fork.
- Thru seat post design for maximised adjustability as you child grows.
- Lightweight alloy hubs, rims, handlebars and stem, reducing the overall weight of the bicycle.
- Super comfortable child specific saddle, for ultimate riding comfort.
- Child specific grips for comfort and minimised hand slippage.

## TECHNOLOGY



## SPECIFICATIONS

<b>FRAME</b>	The benchmark in lightweight, easy to ride alloy frames with low stand over height	<b>F. DERAILLEUR</b>	N/A
<b>FORK</b>	Lightweight alloy 12" with 25.4mm straight blades	<b>R. DERAILLEUR</b>	N/A
<b>HANDLEBAR</b>	Lightweight alloy low riser 500mm	<b>SHIFT LEVERS</b>	N/A
<b>GRIP</b>	Kraton grips	<b>CASSETTE</b>	N/A
<b>HEADSTEM</b>	Alloy 2 bolt stem	<b>CHAIN</b>	N/A
<b>CRANKSET</b>	N/A	<b>BRAKES</b>	N/A
<b>BOTTOM BRACKET</b>	N/A	<b>WHEELS</b>	12" Alloy rims with 16 hole alloy hubs
<b>PEDALS</b>	N/A	<b>TYRES</b>	12-1/2" x 2-1/4" slick
		<b>SADDLE</b>	Apollo youth saddle
		<b>SEATPOST / CLAMP</b>	22.2mm alloy post

## GEOMETRY

	GIRL'S	BOY'S
<b>SEAT TUBE (CENTRE TO TOP)</b>	150	121
<b>TOP TUBE LENGTH</b>	295	270
<b>SEAT ANGLE</b>	65°	71°
<b>HEAD ANGLE</b>	71°	69°
<b>FORK RAKE</b>	25	24
<b>WHEEL BASE</b>	577	536
<b>STAND OVER</b>	151	128
<b>CHAIN STAY LENGTH</b>	265	267
<b>HEAD TUBE LENGTH</b>	90	55
<b>BB DROP</b>	0	71
<b>DROPOUT SPACING</b>	100	95



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