

# 2004 Klein Specifications Manual

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# Klein Attitude 4022600\*14.073

## FRAMESET

Main tubes . . . . .	ZR9000	
Stays . . . . .	ZR9000	
Color . . . . .	Silver Cloud	
Fork . . . . .	RockShox Duke XC	80 mm travel, 451.0 mm axle-crown length
Headset . . . . .	Aheadset, semi-cartridge	25.4/34.0/30.0, 26.5 mm stack height

## CONTROLS

Handlebar . . . . .	Bontrager Select	25.4 mm clamp diameter
Stem . . . . .	Bontrager Comp	41.0 mm steerer clamp height
Shift levers . . . . .	Shimano Deore RapidFire+	
Brake levers . . . . .	Avid AD 3L, long pull	
Grips . . . . .	Klein Instinct	

## DRIVETRAIN

Front derailleur . . .	Shimano Deore	Top pull, 34.9 mm/ 1 3/8" attachment
Rear derailleur . . .	Shimano Deore XT SGS	
Crankset . . . . .	Bontrager Race 44/32/22	64/104 mm bolt hole circle
Bottom bracket . . .	Bontrager Race, ISIS splined	73 x 113 (shell x axle, mm), ISIS splined axle
Chain . . . . .	Shimano HG-53	9 speed, 108 links
Cassette . . . . .	SRAM 7.0 11-34, 9spd	

## WHEELSET

Front wheel . . . . .	Bontrager Select ATB, disc compatible, 28° 268/268 mm 3x spokes, Velox 22mm rim strip	541mm E.R.D.
Rear wheel . . . . .	Bontrager Select ATB, disc compatible, 28° 267/268 mm 3x rear spokes, Velox 22mm rim strip	541 mm E.R.D.
Spokes . . . . .	DT 14/15G butted stainless, ProLock alloy nipples	
Front tire . . . . .	Klein Deathgrip, folding	26 x 2.35
Rear tire . . . . .	Klein Deathgrip, folding	26 x 2.35
Inner tubes . . . . .	Presta valve, ultra light	

## OTHER

Seatpost . . . . .	Bontrager Sport	31.6 mm outer diameter
Saddle . . . . .	Bontrager FS 2000, Cro-Moly rails, Gel	
Seatpost binder . . .	Alloy w/integral bolt	36.4 mm inner diameter
Brakes . . . . .	Avid Single Digit 3, linear pull	
Pedals . . . . .	Shimano SPD M505, clipless	9/16" axle
Additional . . . . .	3 water bottle mounts (2 on 14)	
Bike weight . . . . .	27.1 lb/12.30 kg	

## FIT dimensions in MM, unless specified

Frame	Size	14	16	17.5	19	21
Rider height, in.		64.8	68.3	70.7	72.4	76.2
	cm	164	173	180	184	194
Handlebar	width	600	600	600	600	600
Handlebar	rise	0				
Stem	length	90	105	120	120	135
	angle	5	10	10	10	10
Headset spacers		30	30	30	30	30
Crank	length	170	175	175	175	175
Seatpost	length	300	350	350	350	350
Steerer	length	183.5	198.5	198.5	218.5	258.5

## GEOMETRY dimensions in MM, unless specified

Head tube angle	70.2	70.8	71.3	71.4	71.4
Fork offset	38.0	38.1	38.1	38.1	38.1
Trail	80	77	73	73	73
Seat tube angle	72.8	72.8	72.8	72.8	72.8
Effective top tube	551	574	595	611	627
Seat tube	356	400	445	489	533
Standover	673	707	739	775	818
Wheelbase	1017	1037	1055	1072	1090
Bottom bracket height	290	295	300	303	305
Chainstay	417	417	417	417	417
Head tube	90	105	105	125	165

## GEARING

	<b>22</b>	<b>32</b>	<b>44</b>
<b>11</b>	52	76	105
<b>13</b>	44	65	89
<b>15</b>	38	56	77
<b>17</b>	34	49	68
<b>20</b>	29	42	58
<b>23</b>	25	36	50
<b>26</b>	22	32	44
<b>30</b>	19	28	38
<b>34</b>	17	25	34

# Klein Attitude Disc 4023600\*14.073

## FRAMESET

Main tubes . . . . .	ZR9000	
Stays . . . . .	ZR9000	
Color . . . . .	Silver Cloud	
Fork . . . . .	RockShox Duke XC	80 mm travel, 451.0 mm axle-crown length
Headset . . . . .	Aheadset, semi-cartridge	25.4/34.0/30.0, 26.5 mm stack height

## CONTROLS

Handlebar . . . . .	Bontrager Select	25.4 mm clamp diameter
Stem . . . . .	Bontrager Comp	41.0 mm steerer clamp height
Shift levers . . . . .	Shimano Deore RapidFire+	
Brake levers . . . . .	Hydraulic, attached to brake	
Grips . . . . .	Klein Instinct	

## DRIVETRAIN

Front derailleur . . .	Shimano Deore	Top pull, 34.9 mm/ 1 3/8" attachment
Rear derailleur . . .	Shimano Deore XT SGS	
Crankset . . . . .	Bontrager Race 44/32/22	64/104 mm bolt hole circle
Bottom bracket . . .	Bontrager Race, ISIS splined	73 x 113 (shell x axle, mm), ISIS splined axle
Chain . . . . .	Shimano HG-53	9 speed, 108 links
Cassette . . . . .	SRAM 7.0 11-34, 9spd	

## WHEELSET

Front wheel . . . . .	Bontrager Select ATB, disc compatible, 28° 268/268 mm 3x spokes, Velox 22mm rim strip	541mm E.R.D.
Rear wheel . . . . .	Bontrager Select ATB, disc compatible, 28° 267/268 mm 3x rear spokes, Velox 22mm rim strip	541 mm E.R.D.
Spokes . . . . .	DT 14/15G butted stainless, ProLock alloy nipples	
Front tire . . . . .	Klein Deathgrip, folding	26 x 2.35
Rear tire . . . . .	Klein Deathgrip, folding	26 x 2.35
Inner tubes . . . . .	Presta valve, ultra light	

## OTHER

Seatpost . . . . .	Bontrager Sport	31.6 mm outer diameter
Saddle . . . . .	Bontrager FS 2000, Cro-Moly rails, Gel	
Seatpost binder . . .	Alloy w/integral bolt	36.4 mm inner diameter
Brakes . . . . .	Hayes HFX-9, hydraulic disc front	6.3 in. disc, 44mm BCD
Frame	Size	14    16    17.5    19    21
Front disc hose, mm		690    690    690    690    750
Rear disc hose, mm		1220    1280    1280    1280    1350
Pedals . . . . .	Shimano SPD M505, clipless	9/16" axle
Additional . . . . .	3 water bottle mounts (2 on 14)	
Bike weight . . . . .	27.5 lb/12.49 kg	

## FIT dimensions in MM, unless specified

Frame	Size	14	16	17.5	19	21
Rider height, in.		64.8	68.3	70.7	72.4	76.2
	cm	164	173	180	184	194
Handlebar	width	600	600	600	600	600
Handlebar	rise	0				
Stem	length	90	105	120	120	135
	angle	5	10	10	10	10
Headset spacers		30	30	30	30	30
Crank	length	170	175	175	175	175
Seatpost	length	300	350	350	350	350
Steerer	length	183.5	198.5	198.5	218.5	258.5

## GEOMETRY dimensions in MM, unless specified

Head tube angle	70.2	70.8	71.3	71.4	71.4
Fork offset	38.0	38.1	38.1	38.1	38.1
Trail	80	77	73	73	73
Seat tube angle	72.8	72.8	72.8	72.8	72.8
Effective top tube	551	574	595	611	627
Seat tube	356	400	445	489	533
Standover	673	707	739	775	818
Wheelbase	1017	1037	1055	1072	1090
Bottom bracket height	290	295	300	303	305
Chainstay	417	417	417	417	417
Head tube	90	105	105	125	165

## GEARING

	<b>22</b>	<b>32</b>	<b>44</b>
<b>11</b>	52	76	105
<b>13</b>	44	65	89
<b>15</b>	38	56	77
<b>17</b>	34	49	68
<b>20</b>	29	42	58
<b>23</b>	25	36	50
<b>26</b>	22	32	44
<b>30</b>	19	28	38
<b>34</b>	17	25	34

# Klein Attitude XV 4026600\*14.093

## FRAMESET

Main tubes	ZR9000	
Stays	ZR9000	
Color	Blue Linear	
Fork	RockShox Duke Race	80 mm travel, 451.0 mm axle-crown length
Headset	Alloy aheadset, semi-cartridge	25.4/34.0/30.0, 27.2 mm stack height

## CONTROLS

Handlebar	Bontrager Race	25.4 mm clamp diameter
Stem	Bontrager Race	41.0 mm steerer clamp height
Shift levers	Shimano Deore XT, Dual Control	
Brake levers	Hydraulic, attached to brake	
Grips	Klein Instinct	

## DRIVETRAIN

Front derailleur	Shimano Deore XT	Top pull, 34.9 mm/ 1 3/8" attachment
Rear derailleur	Shimano Deore XT SGS	
Crankset	Shimano Deore XT 44/32/22	146/102/64 mm bolt hole circle
Bottom bracket	Shimano Deore XT, integral axle	135.5mm English (shell x axle, mm), Integral axle
Chain	Shimano HG-73	9 speed, 108 links
Cassette	Shimano Deore XT 11-34, 9spd	

## WHEELSET

Front wheel	Bontrager Race ATB Disc, tubeless compatible, 28° 267/266 mm 3x spokes, tubeless assymetric rim strip	542mm E.R.D.
Rear wheel	Bontrager Race ATB Disc, tubeless compatible, 28° 267/268 mm 3x rear spokes, tubeless assymetric rim strip	542 mm E.R.D.
Spokes	DT 14/15G butted stainless, ProLock alloy nipples	
Front tire	Bontrager Super-X, tubeless, 127tpi	49/48
Rear tire	Bontrager Super-X, tubeless, 127tpi	49/48

## OTHER

Seatpost	Bontrager Select	31.6 mm outer diameter
Saddle	Bontrager FS 2000, Cro-Moly rails, Gel	
Seatpost binder	Alloy w/integral bolt	36.4 mm inner diameter
Brakes	Shimano Deore XT, hydraulic disc	160mm disc, 44mm BCD
Frame Size	14 16 17.5 19 21	
Front disc hose, mm	650 650 750 750 750	
Rear disc hose, mm	1350 1350 1350 1400 1400	
Pedals	Shimano SPD M520, clipless	9/16" axle
Additional	3 water bottle mounts (2 on 14)	

## FIT dimensions in MM, unless specified

Frame Size	14	16	17.5	19	21
Rider height, in.	64.8	67.7	70.5	72.2	75.6
cm	165	172	179	183	192
Handlebar width	600	600	600	600	600
Handlebar rise	0				
Stem length	90	100	120	120	130
angle	10	10	10	10	10
Headset spacers	25	25	25	25	25
Crank length	170	175	175	175	175
Seatpost length	330	330	330	330	330
Steerer length	179.2	194.2	194.2	214.2	254.2

## GEOMETRY dimensions in MM, unless specified

Head tube angle	70.2	70.8	71.3	71.4	71.4
Fork offset	38.0	38.1	38.1	38.1	38.1
Trail	80	77	73	73	73
Seat tube angle	72.8	72.8	72.8	72.8	72.8
Effective top tube	551	574	595	611	627
Seat tube	356	400	445	489	533
Standover	673	707	739	775	818
Wheelbase	1017	1037	1055	1072	1090
Bottom bracket height	290	295	300	303	305
Chainstay	417	417	417	417	417
Head tube	90	105	105	125	165

## GEARING

	<b>22</b>	<b>32</b>	<b>44</b>
<b>11</b>	52	76	105
<b>13</b>	44	65	89
<b>15</b>	38	56	77
<b>17</b>	34	49	68
<b>20</b>	29	42	58
<b>23</b>	25	36	50
<b>26</b>	22	32	44
<b>30</b>	19	28	38
<b>34</b>	17	25	34

# Klein Palomino V 4154600\*14.093

## FRAMESET

Main tubes	ZR9000	
Stays	ZR9000	
Color	Blue Linear	
Fork	Fox Float R	100 mm travel, 471.0 mm axle-crown length
Rear shock	Fox Palomino custom, air spring, adj. rebound damping	2.36 stroke, length, width, eyes
Headset	Alloy headset, semi-cartridge	25.4/34.0/30.0, 27.2 mm stack height

## CONTROLS

Handlebar	Bontrager Select	25.4 mm clamp diameter
Stem	Bontrager Race	41.0 mm steerer clamp height
Shift levers	Shimano Deore LX RapidFire+	
Brake levers	Avid FR-1	
Grips	Klein Instinct	

## DRIVETRAIN

Front derailleur	Shimano Deore LX	Down pull, Plate style attachment
Rear derailleur	Shimano Deore XT SGS	
Crankset	Shimano Deore LX 44/32/22	64/104 mm bolt hole circle
Bottom bracket	Shimano BB-ES51 E-type	73 x 126 (shell x axle, mm), Shimano splined axle
Chain	Shimano HG-73	9 speed, 112 links
Cassette	SRAM 7.0 11-34, 9spd	

## WHEELSET

Front wheel	Bontrager Select ATB, disc compatible, 28° 268/268 mm 3x spokes, Velox 22mm rim strip	541mm E.R.D.
Rear wheel	Bontrager Select ATB, disc compatible, 28° 267/268 mm 3x rear spokes, Velox 22mm rim strip	541 mm E.R.D.
Spokes	DT 14/15G butted stainless, ProLock alloy nipples	
Front tire	Klein Deathgrip, folding	26 x 2.35
Rear tire	Klein Deathgrip, folding	26 x 2.35
Inner tubes	Presta valve	

## OTHER

Seatpost	Bontrager Select	31.6 mm outer diameter
Saddle	Bontrager FS 2000, Cro-Moly	
Seatpost binder	Alloy w/integral bolt	38.3 mm inner diameter
Brakes	Avid Single Digit 3, linear pull	
Pedals	Shimano SPD M505, clipless	9/16" axle
Additional	2 water bottle mounts, Wrench Force pump,	
Bike weight	28.8 lb/13.08 kg	

## FIT dimensions in MM, unless specified

Frame	Size	16	17.5	19	21
Rider height, in.		68.2	71.6	73.0	76.1
	cm	173	182	185	193
Handlebar	width	600	600	600	600
Handlebar	rise	0			
Stem	length	90	120	120	135
	angle	10	10	10	10
Headset spacers		30	30	30	30
Crank	length	175	175	175	175
Seatpost	length	330	330	400	400
Steerer	length	184.0	199.0	219.0	259.0

## GEOMETRY dimensions in MM, unless specified

Head tube angle	71.0	71.0	71.0	71.0
Fork offset	38.0	38.1	38.1	38.1
Trail	75	75	75	75
Seat tube angle	75.8	76.0	75.9	75.5
Effective top tube	568	575	584	594
Seat tube	407	445	483	533
Standover	749	760	776	825
Wheelbase	1088	1099	1108	1118
Bottom bracket height	310	310	310	310
Chainstay	439	439	439	439
Head tube	90	105	125	165

## GEARING

	<b>22</b>	<b>32</b>	<b>44</b>
<b>11</b>	52	76	105
<b>13</b>	44	65	89
<b>15</b>	38	56	77
<b>17</b>	34	49	68
<b>20</b>	29	42	58
<b>23</b>	25	36	50
<b>26</b>	22	32	44
<b>30</b>	19	28	38
<b>34</b>	17	25	34

# Klein Palomino V Disc 4155600\*14.123

## FRAMESET

Main tubes	ZR9000	
Stays	ZR9000	
Color	Blue Linear	
Fork	Fox Float R	100 mm travel, 471.0 mm axle-crown length
Rear shock	Fox Palomino custom, air spring, adj. rebound damping	2.36 stroke
Headset	Alloy aheadset, semi-cartridge	25.4/34.0/30.0, 27.2 mm stack height

## CONTROLS

Handlebar	Bontrager Select	25.4 mm clamp diameter
Stem	Bontrager Race	41.0 mm steerer clamp height
Shift levers	Shimano Deore LX RapidFire+	
Brake levers	Hydraulic, attached to brake	
Grips	Klein Instinct	

## DRIVETRAIN

Front derailleur	Shimano Deore LX	Down pull, Plate style attachment
Rear derailleur	Shimano Deore XT SGS	
Crankset	Shimano Deore LX 44/32/22	64/104 mm bolt hole circle
Bottom bracket	Shimano BB-ES51 E-type	73 x 126 (shell x axle, mm), Shimano splined axle
Chain	Shimano HG-73	9 speed, 112 links
Cassette	SRAM 7.0 11-34, 9spd	

## WHEELSET

Front wheel	Bontrager Select ATB, disc compatible, 28° 268/268 mm 3x spokes, Velox 22mm rim strip	541mm E.R.D.
Rear wheel	Bontrager Select ATB, disc compatible, 28° 267/268 mm 3x rear spokes, Velox 22mm rim strip	541 mm E.R.D.
Spokes	DT 14/15G butted stainless, ProLock alloy nipples	
Front tire	Klein Deathgrip, folding	26 x 2.35
Rear tire	Klein Deathgrip, folding	26 x 2.35
Inner tubes	Presta valve	

## OTHER

Seatpost	Bontrager Select	31.6 mm outer diameter
Saddle	Bontrager FS 2000, Cro-Moly	
Seatpost binder	Alloy w/integral bolt	38.3 mm inner diameter
Brakes	Hayes HFX-9, hydraulic disc	6.3 in. disc, 44mm BCD
Frame Size	16 17.5 19 21	
Front disc hose, mm	690 690 750 750	
Rear disc hose, mm	1280 1280 1350 1350	
Pedals	Shimano SPD M505, clipless	9/16" axle
Additional	2 water bottle mounts, Wrench Force pump,	
Bike weight	29.3 lb/13.30 kg	

## FIT dimensions in MM, unless specified

Frame Size	16	17.5	19	21
Rider height, in.	68.2	71.6	73.0	76.1
cm	173	182	185	193
Handlebar width	600	600	600	600
Handlebar rise	0			
Stem length	90	120	120	135
angle	10	10	10	10
Headset spacers	30	30	30	30
Crank length	175	175	175	175
Seatpost length	330	330	400	400
Steerer length	184.2	199.2	219.2	259.2

## GEOMETRY dimensions in MM, unless specified

Head tube angle	71.0	71.0	71.0	71.0
Fork offset	38.0	38.1	38.1	38.1
Trail	75	75	75	75
Seat tube angle	75.8	76.0	75.9	75.5
Effective top tube	568	575	584	594
Seat tube	407	445	483	533
Standover	749	760	776	825
Wheelbase	1088	1099	1108	1118
Bottom bracket height	310	310	310	310
Chainstay	439	439	439	439
Head tube	90	105	125	165

## GEARING

	<b>22</b>	<b>32</b>	<b>44</b>
<b>11</b>	52	76	105
<b>13</b>	44	65	89
<b>15</b>	38	56	77
<b>17</b>	34	49	68
<b>20</b>	29	42	58
<b>23</b>	25	36	50
<b>26</b>	22	32	44
<b>30</b>	19	28	38
<b>34</b>	17	25	34

# Klein Palomino X 4156600\*14.123

## FRAMESET

Main tubes	ZR9000	
Stays	ZR9000	
Color	Silver Storm	
Fork	Fox Float RL	100 mm travel, 471.0 mm axle-crown length
Rear shock	Fox Palomino custom, air spring, adj. rebound damping	2.36 stroke, length, width, eyes
Headset	Alloy headset, semi-cartridge	25.4/34.0/30.0, 27.2 mm stack height

## CONTROLS

Handlebar	Bontrager Race	25.4 mm clamp diameter
Stem	Bontrager Race	41.0 mm steerer clamp height
Shift levers	SRAM X-9 Triggers	
Brake levers	Avid FR-1	
Grips	Klein Instinct	

## DRIVETRAIN

Front derailleur	Shimano Deore XT	Down pull, Plate style attachment
Rear derailleur	SRAM RD X.O 1:1 Alloy	
Crankset	Shimano Deore LX 44/32/22	64/104 mm bolt hole circle
Bottom bracket	Shimano BB-ES51 E-type	73 x 126 (shell x axle, mm), Shimano splined axle
Chain	Shimano HG-73	9 speed, 112 links
Cassette	SRAM 7.0 11-34, 9spd	

## WHEELSET

Front wheel	Bontrager Race ATB Disc, tubeless compatible, 28° 267/266 mm 3x spokes, tubeless asymmetric rim strip	542mm E.R.D.
Rear wheel	Bontrager Race ATB Disc, tubeless compatible, 28° 267/268 mm 3x rear spokes, tubeless asymmetric rim strip	542 mm E.R.D.
Spokes	DT 14/15G butted stainless, ProLock alloy nipples	
Front tire	Bontrager Super-X Lite, tubeless	26 x 2.1
Rear tire	Bontrager Super-X Lite, tubeless	26 x 2.1

## OTHER

Seatpost	Bontrager Race	31.6 mm outer diameter
Saddle	Bontrager FS 2000, Cro-Moly/leather	
Seatpost binder	Alloy w/integral bolt	38.3 mm inner diameter
Brakes	Avid Single Digit 5, linear pull	
Pedals	Shimano SPD M520, clipless	9/16" axle
Additional	2 water bottle mounts, Wrench Force pump,	
Bike weight	28.3 lb/12.85 kg	

## FIT

*dimensions in MM, unless specified*

Frame	Size	16	17.5	19	21
Rider height, in.		69.0	71.6	73.0	75.7
	cm	175	182	185	192
Handlebar	width	600	600	600	600
Handlebar	rise	0			
Stem	length	100	120	120	130
	angle	10	10	10	10
Headset spacers		30	30	30	30
Crank	length	175	175	175	175
Seatpost	length	330	330	400	400
Steerer	length	184.2	199.2	219.2	259.2

## GEOMETRY

*dimensions in MM, unless specified*

Head tube angle	71.0	71.0	71.0	71.0
Fork offset	38.0	38.1	38.1	38.1
Trail	75	75	75	75
Seat tube angle	75.8	76.0	75.9	75.5
Effective top tube	568	575	584	594
Seat tube	407	445	483	533
Standover	749	760	776	825
Wheelbase	1088	1099	1108	1118
Bottom bracket height	310	310	310	310
Chainstay	439	439	439	439
Head tube	90	105	125	165

## GEARING

	<b>22</b>	<b>32</b>	<b>44</b>
<b>11</b>	52	76	105
<b>13</b>	44	65	89
<b>15</b>	38	56	77
<b>17</b>	34	49	68
<b>20</b>	29	42	58
<b>23</b>	25	36	50
<b>26</b>	22	32	44
<b>30</b>	19	28	38
<b>34</b>	17	25	34



# Klein Palomino XV Disc 4157600\*14.123

## FRAMESET

Main tubes	ZR9000	
Stays	ZR9000	
Color	Bodega Black	
Fork	Fox Float RLT	100 mm travel, 471.0 mm axle-crown length
Rear shock	Fox Palomino custom, air spring, adj. rebound damping	2.36 stroke
Headset	Alloy aheadset, semi-cartridge	25.4/34.0/30.0, 27.2 mm stack height

## CONTROLS

Handlebar	Bontrager Race	25.4 mm clamp diameter
Stem	Bontrager Race	41.0 mm steerer clamp height
Shift levers	Shimano Deore XT, Dual Control	
Brake levers	Hydraulic, attached to brake	
Grips	Klein Instinct	

## DRIVETRAIN

Front derailleur	Shimano Deore XT	Down pull, Plate style attachment
Rear derailleur	Shimano Deore XT SGS	
Crankset	Shimano Deore XT 44/32/22	146/102/64 mm bolt hole circle
Bottom bracket	Shimano Deore XT, integral axle	135.5mm English (shell x axle, mm), Integral axle
Chain	Shimano HG-73	9 speed, 112 links
Cassette	Shimano Deore XT 11-34, 9spd	

## WHEELSET

Front wheel	Bontrager Race ATB Disc, tubeless compatible, 28° 267/266 mm 3x spokes, tubeless assymetric rim strip	542mm E.R.D.
Rear wheel	Bontrager Race ATB Disc, tubeless compatible, 28° 267/268 mm 3x rear spokes, tubeless assymetric rim strip	542 mm E.R.D.
Spokes	DT 14/15G butted stainless, ProLock alloy nipples	
Front tire	Bontrager Super-X Lite, tubeless	26 x 2.1
Rear tire	Bontrager Super-X Lite, tubeless	26 x 2.1

## OTHER

Seatpost	Bontrager Race	31.6 mm outer diameter
Saddle	Bontrager FS 2000, Cro-Moly/leather	
Seatpost binder	Alloy w/integral bolt	38.3 mm inner diameter
Brakes	Shimano Deore XT, hydraulic disc	160mm disc, 44mm BCD
Frame	Size 16 17.5 19 21	
Front disc hose, mm	650 750 750 750	
Rear disc hose, mm	1350 1350 1400 1400	
Pedals	Shimano SPD M520, clipless	9/16" axle
Additional	2 water bottle mounts, Wrench Force pump,	
Bike weight	28.1 lb/12.76 kg	

## FIT dimensions in MM, unless specified

Frame	Size	16	17.5	19	21
Rider height, in.		69.0	71.6	73.0	75.7
	cm	175	182	185	192
Handlebar	width	600	600	600	600
Handlebar	rise	0			
Stem	length	100	120	120	130
	angle	10	10	10	10
Headset spacers		30	30	30	30
Crank	length	175	175	175	175
Seatpost	length	330	330	400	400
Steerer	length	184.2	199.2	219.2	259.2

## GEOMETRY dimensions in MM, unless specified

Head tube angle	71.0	71.0	71.0	71.0
Fork offset	38.0	38.1	38.1	38.1
Trail	75	75	75	75
Seat tube angle	75.8	76.0	75.9	75.5
Effective top tube	568	575	584	594
Seat tube	407	445	483	533
Standover	749	760	776	825
Wheelbase	1088	1099	1108	1118
Bottom bracket height	310	310	310	310
Chainstay	439	439	439	439
Head tube	90	105	125	165

## GEARING

	<b>22</b>	<b>32</b>	<b>44</b>
<b>11</b>	52	76	105
<b>13</b>	44	65	89
<b>15</b>	38	56	77
<b>17</b>	34	49	68
<b>20</b>	29	42	58
<b>23</b>	25	36	50
<b>26</b>	22	32	44
<b>30</b>	19	28	38
<b>34</b>	17	25	34

# Klein Palomino XX Disc 4158600\*14.123

## FRAMESET

Main tubes	ZR9000	
Stays	ZR9000	
Color	Silver Cloud	
Fork	Fox Float F100X	100 mm travel, 471.0 mm axle-crown length
Rear shock	Fox Palomino custom, air spring, adj. rebound damping	2.36 stroke
Headset	Cane Creek S-6 Aheadset, alloy	25.4/34.0/30.0, 27.1 mm stack height

## CONTROLS

Handlebar	Bontrager Race XXX Lite	31.8 mm clamp diameter
Stem	Bontrager Race XXX Lite	40.0 mm steerer clamp height
Shift levers	Shimano Deore XT, Dual Control	
Brake levers	Hydraulic, attached to brake	
Grips	Klein Instinct	

## DRIVETRAIN

Front derailleur	Shimano XTR	Down pull, Plate style attachment
Rear derailleur	Shimano XTR Rapid Rise	
Crankset	Shimano XTR 44/32/22	Splined/112/68 mm bolt hole circle
Bottom bracket	Shimano XTR, integral axle	Integral axle
Chain	Shimano Dura-Ace	9 speed, 112 links
Cassette	Shimano XTR 11-34, 9spd	

## WHEELSET

Front wheel	Bontrager Race X Lite Disc, tubeless compatible, 28° 256/260 mm 3x spokes, tubeless assymetric rim strip	537mm E.R.D.
Rear wheel	Bontrager Race X Lite Disc, tubeless compatible, 28° 256/256 mm 3x rear spokes, tubeless assymetric rim strip	537 mm E.R.D.
Spokes	DT Revolution 14/16G, ProLock alloy nipples	
Front tire	Bontrager Super-X Lite, tubeless	26 x 2.1
Rear tire	Bontrager Super-X Lite, tubeless	26 x 2.1

## OTHER

Seatpost	Bontrager Race Lite	31.6 mm outer diameter
Saddle	Bontrager FS 2000, Cro-Moly/leather	
Seatpost binder	Alloy w/integral bolt	38.3 mm inner diameter
Brakes	Shimano XTR, hydraulic disc	160mm disc, 44mm BCD
Frame	Size 16 17.5 19 21	
Front disc hose, mm	750 750 750 750	
Rear disc hose, mm	1400 1400 1400 1400	
Pedals	Shimano SPD M520, clipless	9/16" axle
Additional	2 water bottle mounts, Wrench Force pump,	
Bike weight	25.5 lb/11.58 kg	

## FIT dimensions in MM, unless specified

Frame	Size	16	17.5	19	21
Rider height, in.		69.1	71.3	72.7	75.8
	cm	176	181	185	193
Handlebar	width	600	600	600	600
Handlebar	rise	0			
Stem	length	105	120	120	130
	angle	7	7	7	7
Headset spacers		30	30	30	30
Crank	length	175	175	175	175
Seatpost	length	330	330	400	400
Steerer	length	183.1	198.1	218.1	258.1

## GEOMETRY dimensions in MM, unless specified

Head tube angle	71.0	71.0	71.0	71.0
Fork offset	38.0	38.1	38.1	38.1
Trail	75	75	75	75
Seat tube angle	75.8	76.0	75.9	75.5
Effective top tube	568	575	584	594
Seat tube	407	445	483	533
Standover	749	760	776	825
Wheelbase	1088	1099	1108	1118
Bottom bracket height	310	310	310	310
Chainstay	439	439	439	439
Head tube	90	105	125	165

## GEARING

	<b>22</b>	<b>32</b>	<b>44</b>
<b>11</b>	52	76	105
<b>13</b>	44	65	89
<b>15</b>	38	56	77
<b>17</b>	34	49	68
<b>20</b>	29	42	58
<b>23</b>	25	36	50
<b>26</b>	22	32	44
<b>30</b>	19	28	38
<b>34</b>	17	25	34

# Klein Aura V 4452000\*14.063

## FRAMESET

Main tubes . . . . .	ZR9000 Gradient	
Stays . . . . .	Carbon fiber composite/ ZR9000	
Color . . . . .	Bodega Black	
Fork . . . . .	Bontrager Race	370.0 mm axle-crown length
Headset . . . . .	Cane Creek Internal	25.4/34.0/30.0, 8.0 mm stack height

## CONTROLS

Handlebar . . . . .	Bontrager Select	26.0 mm clamp diameter
Stem . . . . .	Alloy quick change, direct connect	40.0 mm steerer clamp height
Shift levers . . . . .	Shimano Tiagra STI Dual Control	
Brake levers . . . . .	Integrated brake/shift	
Grips . . . . .	Powercork	

## DRIVETRAIN

Front derailleur . . .	Shimano 105	Down pull, Braze-on type w/34.9mm clamp attachment
Rear derailleur . . .	Shimano 105	
Crankset . . . . .	Shimano 105 53/39	130 mm bolt hole circle
Bottom bracket . . .	Shimano 105	68 x 109.5 (shell x axle, mm), Shimano splined axle
Chain . . . . .	Shimano HG-73	9 speed, 108 links
Cassette . . . . .	Shimano HG70 12-25, 9spd	

## WHEELSET

Front wheel . . . . .	Bontrager Select Road, 20°	593mm E.R.D.
	281 mm Radialx spokes, Velox 16mm rim strip	
Rear wheel . . . . .	Bontrager Select Road, 24°	603 mm E.R.D.
	293/294 mm 2x rear spokes, Velox 16mm rim strip	
Spokes . . . . .	DT 14g, ProLock brass nipples	
Front tire . . . . .	Bontrager Race Lite	700 x 25c
Rear tire . . . . .	Bontrager Race Lite	700 x 25c
Inner tubes . . . . .	Presta valve, 48mm stem	

## OTHER

Seatpost . . . . .	Bontrager Sport	31.6 mm outer diameter
Saddle . . . . .	CRZ+ Road, Cro-Moly rails	
Seatpost binder . . .	Alloy w/integral bolt	36.4 mm inner diameter
Brakes . . . . .	Shimano Tiagra	
Pedals . . . . .	Shimano SPD M515, clipless	9/16" axle
Additional . . . . .	2 water bottle mounts	
Bike weight . . . . .	19.8 lb/8.99 kg	

## FIT dimensions in MM, unless specified

Frame	Size	49	52	55	58	61
Rider height, in.		66.4	67.8	70.9	74.1	75.9
	cm	169	172	180	188	193
Handlebar	width	400	420	420	440	460
Stem	length	85	85	100	110	110
	angle	17	17	17	17	17
Headset	spacers	40	40	40	40	40
Crank	length	170	172.5	172.5	172.5	175
Seatpost	length	300	300	350	350	350
Steerer	length	180.5	202.0	230.0	257.0	287.5

## GEOMETRY dimensions in MM, unless specified

Head tube angle	72.0	72.5	73.0	73.5	73.5
Fork offset	45.0	45.0	45.0	45.0	45.0
Trail	61	58	55	56	56
Seat tube angle	73.5	73.5	73.0	73.0	72.5
Effective top tube	530	545	565	585	605
Seat tube	481	485	493	510	537
Standover	718	726	742	760	786
Wheelbase	976	987	999	1010	1025
Bottom bracket height	260	260	263	263	265
Chainstay	414	414	414	414	414
Head tube	97	118	146	173	204

## GEARING

	<b>39 53</b>
<b>12</b>	86 117
<b>13</b>	79 108
<b>14</b>	74 100
<b>15</b>	69 93
<b>17</b>	61 82
<b>19</b>	54 74
<b>21</b>	49 67
<b>23</b>	45 61
<b>25</b>	41 56

# Klein Aura V T 4453000\*14.093

## FRAMESET

Main tubes	ZR9000 Gradient	
Stays	Carbon fiber composite/ ZR9000	
Color	Bodega Black	
Fork	Bontrager Race	370.0 mm axle-crown length
Headset	Cane Creek Internal	25.4/34.0/30.0, 8.0 mm stack height

## CONTROLS

Handlebar	Bontrager Select	26.0 mm clamp diameter
Stem	Alloy quick change, direct connect	40.0 mm steerer clamp height
Shift levers	Shimano Tiagra STI Dual Control	
Brake levers	Integrated brake/shift	
Grips	Powercork	

## DRIVETRAIN

Front derailleur	Shimano 105 T	Down pull, Braze-on type w/34.9mm clamp attachment
Rear derailleur	Shimano 105 GS	
Crankset	Shimano 105 52/42/30	74/130 mm bolt hole circle
Bottom bracket	Shimano 105	68 x 118 (shell x axle, mm), Shimano splined axle
Chain	Shimano HG-73	9 speed, 108 links
Cassette	Shimano HG70 12-25, 9spd	

## WHEELSET

Front wheel	Bontrager Select Road, 20° 281 mm Radialx spokes, Velox 16mm rim strip	593mm E.R.D.
Rear wheel	Bontrager Select Road, 24° 293/294 mm 2x rear spokes, Velox 16mm rim strip	603 mm E.R.D.
Spokes	DT 14g, ProLock brass nipples	
Front tire	Bontrager Race Lite	700 x 25c
Rear tire	Bontrager Race Lite	700 x 25c
Inner tubes	Presta valve, 48mm stem	

## OTHER

Seatpost	Bontrager Sport	31.6 mm outer diameter
Saddle	CRZ+ Road, Cro-Moly rails	
Seatpost binder	Alloy w/integral bolt	36.4 mm inner diameter
Brakes	Shimano Tiagra	
Pedals	Shimano SPD M515, clipless	9/16" axle
Additional	2 water bottle mounts	
Bike weight	20.3 lb/9.22 kg	

## FIT dimensions in MM, unless specified

Frame	Size	49	52	55	58	61
Rider height, in.		66.4	67.8	70.9	74.1	75.9
	cm	169	172	180	188	193
Handlebar	width	400	420	420	440	460
Stem	length	85	85	100	110	110
	angle	17	17	17	17	17
Headset spacers		40	40	40	40	40
Crank	length	170	170	175	175	175
Seatpost	length	300	300	350	350	350
Steerer	length	180.5	202.0	230.0	257.0	287.5

## GEOMETRY dimensions in MM, unless specified

Head tube angle	72.0	72.5	73.0	73.5	73.5
Fork offset	45.0	45.0	45.0	45.0	45.0
Trail	61	58	55	56	56
Seat tube angle	73.5	73.5	73.0	73.0	72.5
Effective top tube	530	545	565	585	605
Seat tube	481	485	493	510	537
Standover	718	726	742	760	786
Wheelbase	976	987	999	1010	1025
Bottom bracket height	260	260	263	263	265
Chainstay	414	414	414	414	414
Head tube	97	118	146	173	204

## GEARING

	<b>30</b>	<b>42</b>	<b>52</b>
<b>12</b>	66	93	115
<b>13</b>	61	85	106
<b>14</b>	57	79	98
<b>15</b>	53	74	92
<b>17</b>	47	65	81
<b>19</b>	42	58	72
<b>21</b>	38	53	66
<b>23</b>	35	48	60
<b>25</b>	32	44	55

# Klein Aura X 4454000\*14.063

## FRAMESET

Main tubes . . . . .	ZR9000 Gradient	
Stays . . . . .	Carbon fiber composite/ ZR9000	
Color . . . . .	Silver Cloud	
Fork . . . . .	Bontrager Race	370.0 mm axle-crown length
Headset . . . . .	Cane Creek Internal	25.4/34.0/30.0, 8.0 mm stack height

## CONTROLS

Handlebar . . . . .	Bontrager Select	26.0 mm clamp diameter
Stem . . . . .	Bontrager Race	40.0 mm steerer clamp height
Shift levers . . . . .	Shimano 105 STI, Flite Deck compatible	
Brake levers . . . . .	Integrated brake/shift	
Grips . . . . .	Powercork	

## DRIVETRAIN

Front derailleur . . .	Shimano Ultegra	Down pull, Braze-on type w/34.9mm clamp attachment
Rear derailleur . . . .	Shimano Ultegra	
Crankset . . . . .	Shimano 105 53/39	130 mm bolt hole circle
Bottom bracket . . . .	Shimano 105	68 x 109.5 (shell x axle, mm), Shimano splined axle
Chain . . . . .	Shimano HG-73	9 speed, 108 links
Cassette . . . . .	Shimano HG70 12-25, 9spd	

## WHEELSET

Front wheel . . . . .	Bontrager Race Road, 20°	592mm E.R.D.
	279 mm Radialx spokes, Velox 16mm rim strip	
Rear wheel . . . . .	Bontrager Race Road, 24°	595 mm E.R.D.
	291/291 mm 2x rear spokes, Velox 16mm rim strip	
Spokes . . . . .	DT 14g, ProLock brass nipples	
Front tire . . . . .	Bontrager Race Lite, folding	700 x 25c
Rear tire . . . . .	Bontrager Race Lite, folding	700 x 25c
Inner tubes . . . . .	Presta valve, 48mm stem	

## OTHER

Seatpost . . . . .	Bontrager Sport	31.6 mm outer diameter
Saddle . . . . .	CRZ+ Road, Cro-Moly rails	
Seatpost binder . . . .	Alloy w/integral bolt	36.4 mm inner diameter
Brakes . . . . .	Shimano 105	
Pedals . . . . .	Shimano SPD M515, clipless	9/16" axle
Additional . . . . .	2 water bottle mounts	
Bike weight . . . . .	20.0 lb/9.08 kg	

## FIT dimensions in MM, unless specified

Frame	Size	49	52	55	58	61
Rider height, in.		66.0	67.6	71.1	74.2	75.6
	cm	168	172	181	188	192
Handlebar	width	400	420	420	440	460
Stem	length	80	80	100	110	110
	angle	7	7	7	7	7
Headset	spacers	40	40	40	40	40
Crank	length	170	170	172.5	172.5	175
Seatpost	length	300	300	350	350	350
Steerer	length	180.5	202.0	230.0	257.0	287.5

## GEOMETRY dimensions in MM, unless specified

Head tube angle	72.0	72.5	73.0	73.5	73.5
Fork offset	45.0	45.0	45.0	45.0	45.0
Trail	61	58	55	56	56
Seat tube angle	73.5	73.5	73.0	73.0	72.5
Effective top tube	530	545	565	585	605
Seat tube	481	485	493	510	537
Standover	718	726	742	760	786
Wheelbase	976	987	999	1010	1025
Bottom bracket height	260	260	263	263	265
Chainstay	414	414	414	414	414
Head tube	97	118	146	173	204

## GEARING

	<b>39 53</b>
<b>12</b>	86 117
<b>13</b>	79 108
<b>14</b>	74 100
<b>15</b>	69 93
<b>17</b>	61 82
<b>19</b>	54 74
<b>21</b>	49 67
<b>23</b>	45 61
<b>25</b>	41 56

# Klein Aura X T 4455000\*14.093

## FRAMESET

Main tubes	ZR9000 Gradient	
Stays	Carbon fiber composite/ ZR9000	
Color	Silver Cloud	
Fork	Bontrager Race	370.0 mm axle-crown length
Headset	Cane Creek Internal	25.4/34.0/30.0, 8.0 mm stack height

## CONTROLS

Handlebar	Bontrager Select	26.0 mm clamp diameter
Stem	Bontrager Race	40.0 mm steerer clamp height
Shift levers	Shimano 105 STI, Flite Deck compatible	
Brake levers	Integrated brake/shift	
Grips	Powercork	

## DRIVETRAIN

Front derailleur	Shimano Ultegra T	Down pull, Braze-on type w/34.9mm clamp attachment
Rear derailleur	Shimano Ultegra GS	
Crankset	Shimano 105 52/42/30	74/130 mm bolt hole circle
Bottom bracket	Shimano 105	68 x 118 (shell x axle, mm), Shimano splined axle
Chain	Shimano HG-73	9 speed, 108 links
Cassette	Shimano HG70 12-25, 9spd	

## WHEELSET

Front wheel	Bontrager Race Road, 20° 279 mm Radialx spokes, Velox 16mm rim strip	592mm E.R.D.
Rear wheel	Bontrager Race Road, 24° 291/291 mm 2x rear spokes, Velox 16mm rim strip	595 mm E.R.D.
Spokes	DT 14g, ProLock brass nipples	
Front tire	Bontrager Race Lite, folding	700 x 25c
Rear tire	Bontrager Race Lite, folding	700 x 25c
Inner tubes	Presta valve, 48mm stem	

## OTHER

Seatpost	Bontrager Sport	31.6 mm outer diameter
Saddle	CRZ+ Road, Cro-Moly rails	
Seatpost binder	Alloy w/integral bolt	36.4 mm inner diameter
Brakes	Shimano 105	
Pedals	Shimano SPD M515, clipless	9/16" axle
Additional	2 water bottle mounts	
Bike weight	20.2 lb/9.17 kg	

## FIT dimensions in MM, unless specified

Frame	Size	49	52	55	58	61
Rider height, in.		66.0	67.6	71.1	74.2	75.6
	cm	168	172	181	188	192
Handlebar	width	400	420	420	440	460
Stem	length	80	80	100	110	110
	angle	7	7	7	7	7
Headset spacers		40	40	40	40	40
Crank	length	170	170	175	175	175
Seatpost	length	300	300	350	350	350
Steerer	length	180.5	202.0	230.0	257.0	287.5

## GEOMETRY dimensions in MM, unless specified

Head tube angle	72.0	72.5	73.0	73.5	73.5
Fork offset	45.0	45.0	45.0	45.0	45.0
Trail	61	58	55	56	56
Seat tube angle	73.5	73.5	73.0	73.0	72.5
Effective top tube	530	545	565	585	605
Seat tube	481	485	493	510	537
Standover	718	726	742	760	786
Wheelbase	976	987	999	1010	1025
Bottom bracket height	260	260	263	263	265
Chainstay	414	414	414	414	414
Head tube	97	118	146	173	204

## GEARING

	<b>30</b>	<b>42</b>	<b>52</b>
<b>12</b>	66	93	115
<b>13</b>	61	85	106
<b>14</b>	57	79	98
<b>15</b>	53	74	92
<b>17</b>	47	65	81
<b>19</b>	42	58	72
<b>21</b>	38	53	66
<b>23</b>	35	48	60
<b>25</b>	32	44	55

# Klein Aura XV 4458000\*14.073

## FRAMESET

Main tubes . . . . .	ZR9000 Gradient	
Stays . . . . .	Carbon fiber composite/ ZR9000	
Color . . . . .	Blue Linear	
Fork . . . . .	Bontrager Race Lite	370.0 mm axle-crown length
Headset . . . . .	Cane Creek Internal	25.4/34.0/30.0, 8.0 mm stack height

## CONTROLS

Handlebar . . . . .	Bontrager Race	26.0 mm clamp diameter
Stem . . . . .	Bontrager Race	40.0 mm steerer clamp height
Shift levers . . . . .	Shimano Ultegra STI, Flite Deck compatible	
Brake levers . . . . .	Integrated brake/shift	
Grips . . . . .	Powercork	

## DRIVETRAIN

Front derailleur . . .	Shimano Ultegra	Down pull, Braze-on type w/34.9mm clamp attachment
Rear derailleur . . .	Shimano Ultegra	
Crankset . . . . .	Shimano Ultegra 53/39	130 mm bolt hole circle
Bottom bracket . . .	Shimano 105	68 x 109.5 (shell x axle, mm), Shimano splined axle
Chain . . . . .	Shimano HG-73	9 speed, 108 links
Cassette . . . . .	Shimano HG70 12-25, 9spd	

## WHEELSET

Front wheel . . . . .	Bontrager Race Lite Road, 20° 279 mm Radialx spokes, Velox 16mm rim strip	592mm E.R.D.
Rear wheel . . . . .	Bontrager Race Lite Road, 24° 291/291 mm 2x rear spokes, Velox 16mm rim strip	595 mm E.R.D.
Spokes . . . . .	DT New Aero, ProLock alloy nipples	
Front tire . . . . .	Bontrager Race X Lite, folding	700 x 23c
Rear tire . . . . .	Bontrager Race X Lite, folding	700 x 23c
Inner tubes . . . . .	Presta valve, ultra light	

## OTHER

Seatpost . . . . .	Bontrager Race	31.6 mm outer diameter
Saddle . . . . .	SSM Era Luxe, CrMo/leather	
Seatpost binder . . .	Alloy w/integral bolt	36.4 mm inner diameter
Brakes . . . . .	Shimano Ultegra	
Pedals . . . . .	-not supplied-	9/16" axle
Additional . . . . .	2 water bottle mounts	

## FIT *dimensions in MM, unless specified*

Frame	Size	49	52	55	58	61
Rider height, in.		66.0	67.6	71.1	74.2	75.6
	cm	168	172	181	188	192
Handlebar	width	400	420	420	440	460
Stem	length	80	80	100	110	110
	angle	7	7	7	7	7
Headset spacers		40	40	40	40	40
Crank	length	170	170	172.5	172.5	175
Seatpost	length	250	250	330	330	330
Steerer	length	180.5	202.0	230.0	257.0	287.5

## GEOMETRY *dimensions in MM, unless specified*

Head tube angle	72.0	72.5	73.0	73.5	73.5
Fork offset	45.0	45.0	45.0	45.0	45.0
Trail	61	58	55	56	56
Seat tube angle	73.5	73.5	73.0	73.0	72.5
Effective top tube	530	545	565	585	605
Seat tube	481	485	493	510	537
Standover	718	726	742	760	786
Wheelbase	976	987	999	1010	1025
Bottom bracket height	260	260	263	263	265
Chainstay	414	414	414	414	414
Head tube	97	118	146	173	204

## GEARING

	<b>39 53</b>
<b>12</b>	86 117
<b>13</b>	79 108
<b>14</b>	74 100
<b>15</b>	69 93
<b>17</b>	61 82
<b>19</b>	54 74
<b>21</b>	49 67
<b>23</b>	45 61
<b>25</b>	41 56

# Klein Aura XV T 4459000\*14.073

## FRAMESET

Main tubes . . . . .	ZR9000 Gradient	
Stays . . . . .	Carbon fiber composite/ ZR9000	
Color . . . . .	Blue Linear	
Fork . . . . .	Bontrager Race Lite	370.0 mm axle-crown length
Headset . . . . .	Cane Creek Internal	25.4/34.0/30.0, 8.0 mm stack height

## CONTROLS

Handlebar . . . . .	Bontrager Race	26.0 mm clamp diameter
Stem . . . . .	Bontrager Race	40.0 mm steerer clamp height
Shift levers . . . . .	Shimano Ultegra STI, Flite Deck compatible	
Brake levers . . . . .	Integrated brake/shift	
Grips . . . . .	Powercork	

## DRIVETRAIN

Front derailleur . . .	Shimano Ultegra T	Down pull, Braze-on type w/34.9mm clamp attachment
Rear derailleur . . .	Shimano Ultegra GS	
Crankset . . . . .	Shimano Ultegra 52/42/30	74/130 mm bolt hole circle
Bottom bracket . . .	Shimano 105	68 x 118 (shell x axle, mm), Shimano splined axle
Chain . . . . .	Shimano HG-73	9 speed, 108 links
Cassette . . . . .	Shimano HG70 12-25, 9spd	

## WHEELSET

Front wheel . . . . .	Bontrager Race Lite Road, 20° 279 mm Radialx spokes, Velox 16mm rim strip	592mm E.R.D.
Rear wheel . . . . .	Bontrager Race Lite Road, 24° 291/291 mm 2x rear spokes, Velox 16mm rim strip	595 mm E.R.D.
Spokes . . . . .	DT New Aero, ProLock alloy nipples	
Front tire . . . . .	Bontrager Race X Lite, folding	700 x 23c
Rear tire . . . . .	Bontrager Race X Lite, folding	700 x 23c
Inner tubes . . . . .	Presta valve, ultra light	

## OTHER

Seatpost . . . . .	Bontrager Race	31.6 mm outer diameter
Saddle . . . . .	SSM Era Luxe, CrMo/leather	
Seatpost binder . . .	Alloy w/integral bolt	36.4 mm inner diameter
Brakes . . . . .	Shimano Ultegra	
Pedals . . . . .	-not supplied-	9/16" axle
Additional . . . . .	2 water bottle mounts	
Bike weight . . . . .	18.0 lb/8.17 kg	

## FIT dimensions in MM, unless specified

Frame	Size	49	52	55	58	61
Rider height, in.		66.0	67.6	71.1	74.2	75.6
	cm	168	172	181	188	192
Handlebar	width	400	420	420	440	460
Stem	length	80	80	100	110	110
	angle	7	7	7	7	7
Headset spacers		40	40	40	40	40
Crank	length	170	170	172.5	172.5	175
Seatpost	length	250	250	330	330	330
Steerer	length	180.5	202.0	230.0	257.0	287.5

## GEOMETRY dimensions in MM, unless specified

Head tube angle	72.0	72.5	73.0	73.5	73.5
Fork offset	45.0	45.0	45.0	45.0	45.0
Trail	61	58	55	56	56
Seat tube angle	73.5	73.5	73.0	73.0	72.5
Effective top tube	530	545	565	585	605
Seat tube	481	485	493	510	537
Standover	718	726	742	760	786
Wheelbase	976	987	999	1010	1025
Bottom bracket height	260	260	263	263	265
Chainstay	414	414	414	414	414
Head tube	97	118	146	173	204

## GEARING

	<b>30 42 52</b>
<b>12</b>	66 93 115
<b>13</b>	61 85 106
<b>14</b>	57 79 98
<b>15</b>	53 74 92
<b>17</b>	47 65 81
<b>19</b>	42 58 72
<b>21</b>	38 53 66
<b>23</b>	35 48 60
<b>25</b>	32 44 55



# Klein Q-Pro XV 4464000\*14.093

## FRAMESET

Main tubes	ZR9000 Gradient	
Stays	Carbon fiber composite/ ZR9000	
Color	Silver Storm	
Fork	Klein Aeros carbon composite 110GSM	377 mm axle-crown length
Headset	Klein Airheadset lower/ Cane Creek integrated upper	25.4/34.0-1.75"/33.4, 6.5 mm stack height

## CONTROLS

Handlebar	Bontrager Race Lite Flat Top	31.8 mm clamp diameter
Stem	Bontrager Race Lite	40.0 mm steerer clamp height
Shift levers	Shimano Ultegra STI, Flite Deck compatible	
Brake levers	Integrated brake/shift	
Grips	Bontrager Gel	

## DRIVETRAIN

Front derailleur	Shimano Ultegra	Down pull, Braze-on type w/34.9mm clamp attachment
Rear derailleur	Shimano Ultegra	
Crankset	Shimano Ultegra 53/39	130 mm bolt hole circle
Bottom bracket	Shimano 105	68 x 109.5 (shell x axle, mm), Shimano splined axle
Chain	Shimano HG-93	9 speed, 108 links
Cassette	Shimano Ultegra 12-25, 9spd	

## WHEELSET

Front wheel	Bontrager Race Lite Road, 20° 279 mm Radialx spokes, Velox 16mm rim strip	592mm E.R.D.
Rear wheel	Bontrager Race Lite Road, 24° 291/291 mm 2x rear spokes, Velox 16mm rim strip	595 mm E.R.D.
Spokes	DT New Aero, ProLock alloy nipples	
Front tire	Bontrager Race X Lite, folding	700 x 23c
Rear tire	Bontrager Race X Lite, folding	700 x 23c
Inner tubes	Presta valve, ultra light	

## OTHER

Seatpost	Bontrager Race	31.6 mm outer diameter
Saddle	SSM Era Luxe, CrMo/leather	
Seatpost binder	Alloy w/integral bolt	36.4 mm inner diameter
Brakes	Shimano Ultegra	
Pedals	-not supplied-	9/16" axle
Additional	2 water bottle mounts	
Bike weight	18.3 lb/8.31 kg	

## FIT dimensions in MM, unless specified

Frame Size	49	52	54	56	58	61
Rider height, in.	64.9	66.7	69.8	72.1	74.4	76.7
cm	165	169	177	183	189	195
Handlebar width	400	400	420	420	440	460
Stem length	70	70	90	100	110	110
angle	7	7	7	7	7	7
Headset spacers	40	40	40	40	40	40
Crank length	170	170	172.5	172.5	175	175
Seatpost length	250	250	250	250	250	250
Steerer length	174.0	191	210	226.5	247.0	281.5

## GEOMETRY dimensions in MM, unless specified

Head tube angle	72.5	72.7	72.8	73.9	73.9	74.0
Fork offset	41.0	41.0	41.0	35.0	35.0	35.0
Trail	64	63	62	62	62	61
Seat tube angle	74.0	73.5	73.5	73.5	73.3	73.3
Effective top tube	524	547	560	572	587	606
Seat tube	444	500	567	587	608	638
Standover	691	734	786	819	828	860
Wheelbase	964	983	996	993	1006	1025
Bottom bracket height	260	263	265	267	269	272
Chainstay	414	414	414	414	414	414
Head tube	92	109	128	144	168	199

## GEARING

	<b>39 53</b>
<b>12</b>	86 117
<b>13</b>	79 108
<b>14</b>	74 100
<b>15</b>	69 93
<b>17</b>	61 82
<b>19</b>	54 74
<b>21</b>	49 67
<b>23</b>	45 61
<b>25</b>	41 56

# Klein Q-Pro XV T 4465000\*14.093

## FRAMESET

Main tubes	ZR9000 Gradient	
Stays	Carbon fiber composite/ ZR9000	
Color	Silver Storm	
Fork	Klein Aeros carbon composite 110GSM	377 mm axle-crown length
Headset	Klein Airheadset lower/ Cane Creek integrated upper	25.4/34.0-1.75"/33.4, 6.5 mm stack height

## CONTROLS

Handlebar	Bontrager Race Lite Flat Top	31.8 mm clamp diameter
Stem	Bontrager Race Lite	40.0 mm steerer clamp height
Shift levers	Shimano Ultegra STI, Flite Deck compatible	
Brake levers	Integrated brake/shift	
Grips	Bontrager Gel	

## DRIVETRAIN

Front derailleur	Shimano Ultegra T	Down pull, Braze-on type w/34.9mm clamp attachment
Rear derailleur	Shimano Ultegra GS	
Crankset	Shimano Ultegra 52/42/30	74/130 mm bolt hole circle
Bottom bracket	Shimano 105	68 x 118 (shell x axle, mm), Shimano splined axle
Chain	Shimano HG-93	9 speed, 108 links
Cassette	Shimano Ultegra 12-25, 9spd	

## WHEELSET

Front wheel	Bontrager Race Lite Road, 20° 279 mm Radialx spokes, Velox 16mm rim strip	592mm E.R.D.
Rear wheel	Bontrager Race Lite Road, 24° 291/291 mm 2x rear spokes, Velox 16mm rim strip	595 mm E.R.D.
Spokes	DT New Aero, ProLock alloy nipples	
Front tire	Bontrager Race X Lite, folding	700 x 23c
Rear tire	Bontrager Race X Lite, folding	700 x 23c
Inner tubes	Presta valve, ultra light	

## OTHER

Seatpost	Bontrager Race	31.6 mm outer diameter
Saddle	SSM Era Luxe, CrMo/leather	
Seatpost binder	Alloy w/integral bolt	36.4 mm inner diameter
Brakes	Shimano Ultegra	
Pedals	-not supplied-	9/16" axle
Additional	2 water bottle mounts	
Bike weight	18.3 lb/8.31 kg	

## FIT dimensions in MM, unless specified

Frame	Size	49	52	54	56	58	61
Rider height, in.		64.9	66.7	69.8	72.1	74.4	76.7
	cm	165	169	177	183	189	195
Handlebar	width	400	400	420	420	440	460
Stem	length	70	70	90	100	110	110
	angle	7	7	7	7	7	7
Headset spacers		40	40	40	40	40	40
Crank	length	170	170	172.5	172.5	175	175
Seatpost	length	250	250	250	250	250	250
Steerer	length	174.0	191	210	226.5	247.0	281.5

## GEOMETRY dimensions in MM, unless specified

Head tube angle	72.5	72.7	72.8	73.9	73.9	74.0
Fork offset	41.0	41.0	41.0	35.0	35.0	35.0
Trail	64	63	62	62	62	61
Seat tube angle	74.0	73.5	73.5	73.5	73.3	73.3
Effective top tube	524	547	560	572	587	606
Seat tube	444	500	567	587	608	638
Standover	691	734	786	819	828	860
Wheelbase	964	983	996	993	1006	1025
Bottom bracket height	260	263	265	267	269	272
Chainstay	414	414	414	414	414	414
Head tube	92	109	128	144	168	199

## GEARING

	<b>30</b>	<b>42</b>	<b>52</b>
<b>12</b>	66	93	115
<b>13</b>	61	85	106
<b>14</b>	57	79	98
<b>15</b>	53	74	92
<b>17</b>	47	65	81
<b>19</b>	42	58	72
<b>21</b>	38	53	65
<b>23</b>	35	48	60
<b>25</b>	32	44	55

# Klein Q-Pro XX 4468000\*14.093

## FRAMESET

Main tubes . . . . .	ZR9000 Gradient	
Stays . . . . .	Carbon fiber composite/ ZR9000	
Color . . . . .	Fision	
Fork . . . . .	Klein Aeros carbon composite 110GSM	377 mm axle-crown length
Headset . . . . .	Klein Airheadset lower/ Cane Creek integrated upper	25.4/34.0-1.75"/33.4 6.5 mm stack height

## CONTROLS

Handlebar . . . . .	Bontrager Race Lite Flat Top	31.8 mm clamp diameter
Stem . . . . .	Bontrager Race Lite	40.0 mm steerer clamp height
Shift levers . . . . .	Shimano Dura-Ace STI, Flite Deck compatible	
Brake levers . . . . .	Integrated brake/shift	
Grips . . . . .	Bontrager Gel	

## DRIVETRAIN

Front derailleur . . .	Shimano Dura-Ace	Down pull, Braze-on type w/34.9mm clamp attachment
Rear derailleur . . . .	Shimano Dura-Ace	
Crankset . . . . .	Shimano Dura-Ace 53/39	130 mm bolt hole circle
Bottom bracket . . . .	Shimano Dura-Ace, integral axle	Integral axle
Chain . . . . .	Shimano Dura-Ace	10 speed, 108 links
Cassette . . . . .	Shimano Dura-Ace 11-23, 10spd	

## WHEELSET

Front wheel . . . . .	Bontrager Race X Lite, 20° 286 mm Radialx spokes, Velox 16mm rim strip	592mm E.R.D.
Rear wheel . . . . .	Bontrager Race X Lite, 24° 291/286 mm 2x/radialx rear spokes, Velox 16mm rim strip	595 mm E.R.D.
Spokes . . . . .	DT Aerolite (New Aero rear drive), ProLock alloy nipples	
Front tire . . . . .	Bontrager Race X Lite, folding	700 x 23c
Rear tire . . . . .	Bontrager Race X Lite, folding	700 x 23c
Inner tubes . . . . .	Presta valve, ultra light	

## OTHER

Seatpost . . . . .	Bontrager Race X Lite	31.6 mm outer diameter
Saddle . . . . .	SSM Era Ti/leather	
Seatpost binder . . . .	Alloy w/integral bolt	36.4 mm inner diameter
Brakes . . . . .	Shimano Dura-Ace	
Pedals . . . . .	-not supplied-	9/16" axle
Additional . . . . .	2 water bottle mounts	
Bike weight . . . . .	16.9 lb/7.67 kg	

## FIT dimensions in MM, unless specified

Frame	Size	49	52	54	56	58	61
Rider height, in.		64.9	66.7	69.8	72.1	74.4	76.7
	cm	165	169	177	183	189	195
Handlebar	width	400	400	420	420	440	460
Stem	length	70	70	90	100	110	110
	angle	7	7	7	7	7	7
Headset spacers		40	40	40	40	40	40
Crank	length	170	170	172.5	172.5	175	175
Seatpost	length	250	250	250	250	250	250
Steerer	length	174.0	191	210	226.5	247.0	281.5

## GEOMETRY dimensions in MM, unless specified

Head tube angle	72.5	72.7	72.8	73.9	73.9	74.0
Fork offset	41.0	41.0	41.0	35.0	35.0	35.0
Trail	64	63	62	62	62	61
Seat tube angle	74.0	73.5	73.5	73.5	73.3	73.3
Effective top tube	524	547	560	572	587	606
Seat tube	444	500	567	587	608	638
Standover	691	734	786	819	828	860
Wheelbase	964	983	996	993	1006	1025
Bottom bracket height	260	263	265	267	269	272
Chainstay	414	414	414	414	414	414
Head tube	92	109	128	144	168	199

## GEARING

	<b>39 53</b>
<b>11</b>	94 127
<b>12</b>	86 117
<b>13</b>	79 108
<b>14</b>	74 100
<b>15</b>	69 93
<b>16</b>	64 88
<b>17</b>	61 82
<b>19</b>	54 74
<b>21</b>	49 67
<b>23</b>	45 61

# Klein Q-Pro XX T 4469000\*14.093

## FRAMESET

Main tubes	ZR9000 Gradient	
Stays	Carbon fiber composite/ ZR9000	
Color	Fision	
Fork	Klein Aeros carbon composite 110GSM	377 mm axle-crown length
Headset	Klein Airheadset lower/ Cane Creek integrated upper	25.4/34.0-1.75"/33.4, 6.5 mm stack height

## CONTROLS

Handlebar	Bontrager Race Lite Flat Top	31.8 mm clamp diameter
Stem	Bontrager Race Lite	40.0 mm steerer clamp height
Shift levers	Shimano Dura-Ace STI, Flite Deck compatible	
Brake levers	Integrated brake/shift	
Grips	Bontrager Gel	

## DRIVETRAIN

Front derailleur	Shimano Dura-Ace T	Down pull, Braze-on type w/34.9mm clamp attachment
Rear derailleur	Shimano Dura-Ace GS	
Crankset	Shimano Ultegra 52/42/30	74/130 mm bolt hole circle
Bottom bracket	Shimano 105	68 x 118 (shell x axle, mm), Shimano splined axle
Chain	Shimano Dura-Ace	10 speed, 108 links
Cassette	Shimano Dura-Ace 12-25, 10spd	

## WHEELSET

Front wheel	Bontrager Race X Lite, 20° 286 mm Radialx spokes, Velox 16mm rim strip	592mm E.R.D.
Rear wheel	Bontrager Race X Lite, 24° 291/286 mm 2x/radialx rear spokes, Velox 16mm rim strip	595 mm E.R.D.
Spokes	DT Aerolite (New Aero rear drive), ProLock alloy nipples	
Front tire	Bontrager Race X Lite, folding	700 x 23c
Rear tire	Bontrager Race X Lite, folding	700 x 23c
Inner tubes	Presta valve, ultra light	

## OTHER

Seatpost	Bontrager Race X Lite	31.6 mm outer diameter
Saddle	SSM Era Luxe, CrMo/leather	
Seatpost binder	Alloy w/integral bolt	36.4 mm inner diameter
Brakes	Shimano Dura-Ace	
Pedals	-not supplied-	9/16" axle
Additional	2 water bottle mounts	
Bike weight	17.2 lb/7.81 kg	

## FIT dimensions in MM, unless specified

Frame	Size	49	52	54	56	58	61
Rider height, in.		64.9	66.7	69.8	72.1	74.4	76.7
	cm	165	169	177	183	189	195
Handlebar	width	400	400	420	420	440	460
Stem	length	70	70	90	100	110	110
	angle	7	7	7	7	7	7
Headset spacers		40	40	40	40	40	40
Crank	length	170	170	172.5	172.5	175	175
Seatpost	length	250	250	250	250	250	250
Steerer	length	174.0	191	210	226.5	247.0	281.5

## GEOMETRY dimensions in MM, unless specified

Head tube angle	72.5	72.7	72.8	73.9	73.9	74.0
Fork offset	41.0	41.0	41.0	35.0	35.0	35.0
Trail	64	63	62	62	62	61
Seat tube angle	74.0	73.5	73.5	73.5	73.3	73.3
Effective top tube	524	547	560	572	587	606
Seat tube	444	500	567	587	608	638
Standover	691	734	786	819	828	860
Wheelbase	964	983	996	993	1006	1025
Bottom bracket height	260	263	265	267	269	272
Chainstay	414	414	414	414	414	414
Head tube	92	109	128	144	168	199

## GEARING

	30	42	52
<b>12</b>	66	93	115
<b>13</b>	61	85	106
<b>14</b>	57	79	98
<b>15</b>	53	74	92
<b>17</b>	47	65	81
<b>19</b>	42	58	72
<b>21</b>	38	53	65
<b>23</b>	35	48	60
<b>25</b>	32	44	55