



FAIRLIGHT FRAME GEOMETRIES

All models - v4.0 - updated 29/8/25

**FIT
FUNCTION
FORM**



HEADSET TOP CUP STACK INFO

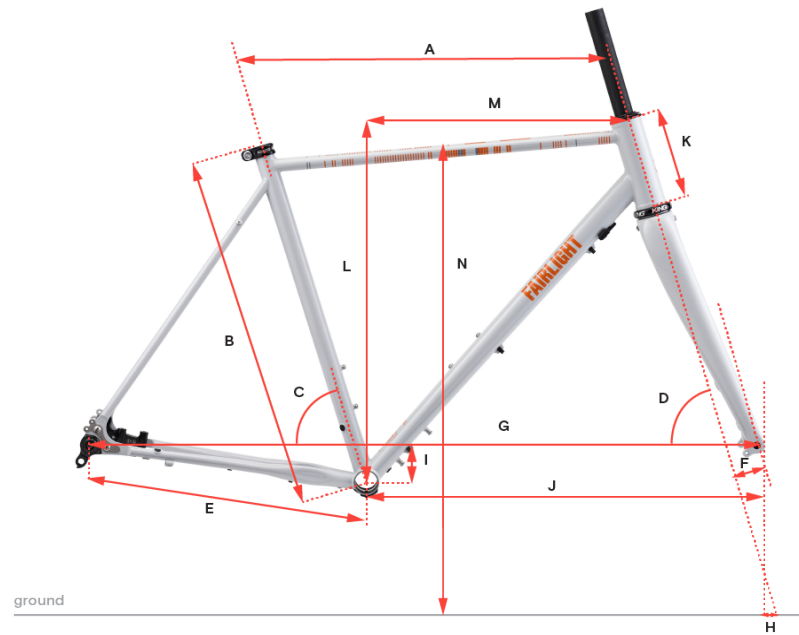
Strael 1.0/2.0/3.0/4.0 , Secan 1.0/2.0/2.5/3.0, Holt 1.0/2.0

Hope (Cup 2) - 8mm
Chris King (Inset 7) - 8.2mm
FSA - 8mm

Faran 2.0/2.5/3.0

Hope (Cup 1) - 17mm
Chris King (No Threadset 1.1/8") - 17.7mm
FSA - 17mm

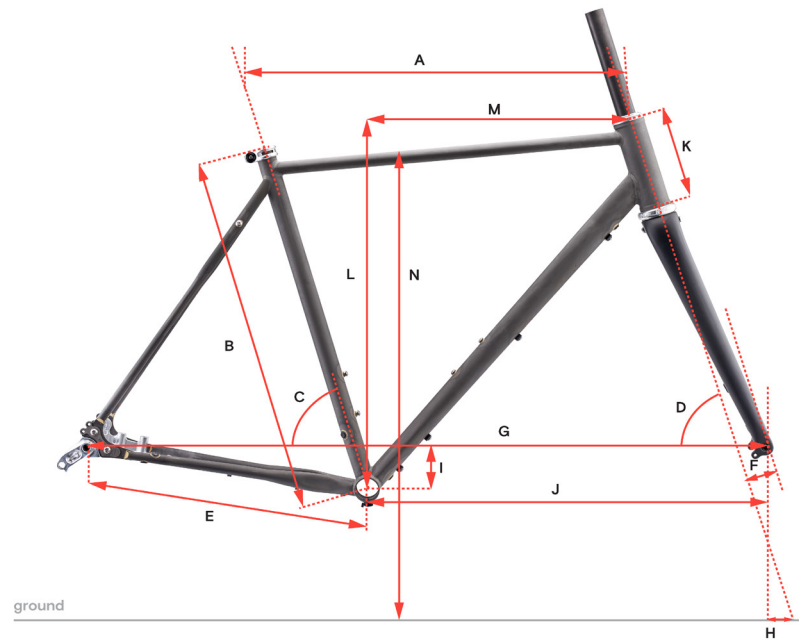
STRAEL 1.0, 2.0, 3.0



	Size	51R	51T	54R	54T	56R	56T	58R	58T	61R	61T
A	Top Tube Horizontal	536	531	550	545	566	558	580	573	594	594
B	Seat Tube (BB to top ST)	510	514	532	536	545	557	564	575	583	592
C	Seat Tube Angle	74	74	73.5	74	73	73.5	73	73.5	73	73.5
D	Head Tube Angle	72	71.5	72.5	72.5	73.5	73	73.5	73	73.5	73
E	Chainstay Length	418	418	418	418	418	418	418	418	418	418
F	Fork Rake	45	45	45	45	45	45	45	45	45	45
G	Wheelbase	993	993	998	999	1000	1002	1014	1017	1028	1039
H	Trail - 700x 28 = 685mm	63	66	60	60	54	57	54	57	54	57
I	Bottom Bracket Drop	68	68	68	68	68	68	68	68	68	68
J	Front Center Distance	585	585	590	590	592	594	605	609	619	630
K	Head Tube Length	110	140	130	160	140	180	160	200	180	220
L	Stack	530	557	551	579	564	600	583	619	602	639
M	Reach	383	370	386	378	394	380	402	389	410	405
N	Standover height (with 700x28 tyre) - @ centre of top tube.	764	779	784	801	795	821	815	839	834	857
	Fork Length - Axle to Crown	381	381	381	381	381	381	381	381	381	381



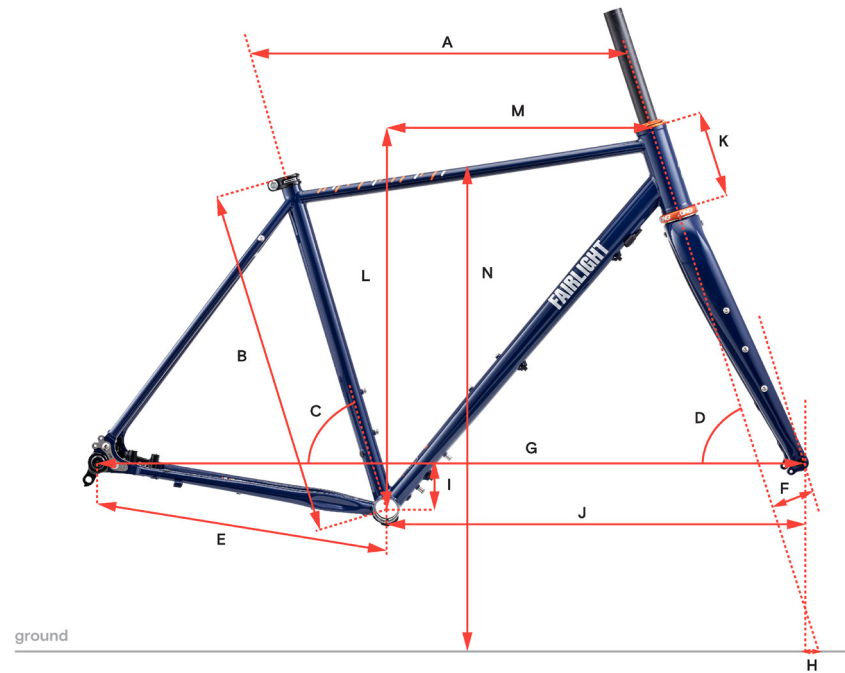
STRAEL 4.0



	Size	51R	51T	54R	54T	56R	56T	58R	58T	61R	61T
A	Top Tube Horizontal	533	532	546	548	562	564	575	578	588	592
B	Seat Tube (BB to top ST)	510	514	532	536	545	557	564	575	583	592
C	Seat Tube Angle	74	74	73.75	73.75	73.5	73.5	73.5	73.5	73.5	73.5
D	Head Tube Angle	71.5	71.5	72.25	72.25	73	73	73.25	73.25	73.25	73.25
E	Chainstay Length	419	419	419	419	419	419	419	419	419	419
F	Fork Rake	45	45	45	45	45	45	45	45	45	45
G	Wheelbase	992	992	998	1001	1005	1007	1016	1019	1029	1033
H	Trail - 700x 28 = 685mm	68	68	63.2	63.2	58.4	58.4	56.8	56.8	56.8	56.8
I	Bottom Bracket Drop	74	74	72	72	72	72	72	72	72	72
J	Front Center Distance	585	585	590	592	596	599	607	610	621	624
K	Head Tube Length	106	137	124	157	140	176	158	195	177	216
L	Stack	530	560	548	580	566	600	584	620	602	640
M	Reach	380	370	386	378	394	386	402	394	410	402
N	Standover height (with 700x32 tyre) - @ 65mm forward of BB centre	758	772	780	795	794	815	812	833	830	851
	Fork Length - Axle to Crown	381	381	381	381	381	381	381	381	381	381



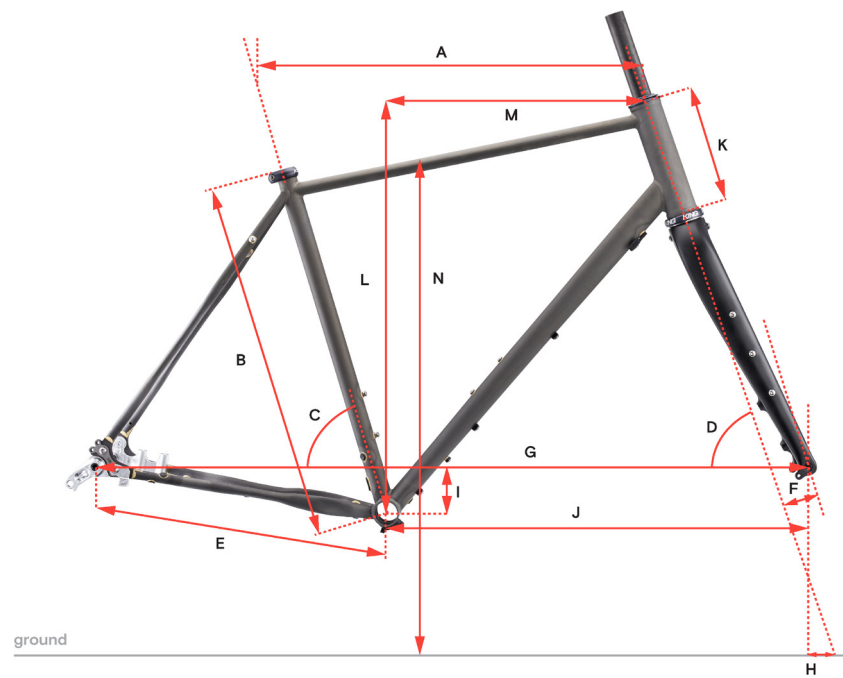
SECAN 1.0, 2.0, 2.5



	Size	51R	51T	54R	54T	56R	56T	58R	58T	61R	61T
A	Top Tube Horizontal	536	535	553	553	567	566	584	581	597	598
B	Seat Tube (BB to top ST)	490	495	510	515	520	535	540	555	560	575
C	Seat Tube Angle	74	74	73.5	74	73.5	73.5	73	73.5	73	73.5
D	Head Tube Angle	70.5	70.5	71	71.5	72	72	72.5	72.5	72.5	72.5
E	Chainstay Length	430	430	430	430	430	430	430	430	430	430
F	Fork Rake	50	50	50	50	50	50	50	50	50	50
G	Wheelbase	1021	1022	1029	1030	1034	1034	1041	1045	1054	1062
H	Trail - 650 x 47 = 685mm	68.2	68.2	65.1	61.9	58.7	58.7	55.6	55.6	55.6	55.6
	Trail - 700 x 38 = 697mm	70.4	70.4	67.1	63.9	60.7	60.7	57.5	57.5	57.5	57.5
	Trail - 650 x 2.2" = 702mm	71.3	71.3	68	64.7	61.5	61.5	58.2	58.2	58.2	58.2
I	Bottom Bracket Drop	77	77	77	77	77	77	77	77	77	77
J	Front Center Distance	603	604	611	611	616	616	622	626	635	644
K	Head Tube Length	100	130	120	150	130	170	150	190	170	210
L	Stack	538	567	559	589	572	610	593	631	612	650
M	Reach	380	371	386	383	397	385	402	394	410	405
N	Standover height (with 650x47 tyre)	751	768	771	789	782	809	802	829	821	848
	Fork Length - Axle to Crown	398	398	398	398	398	398	398	398	398	398



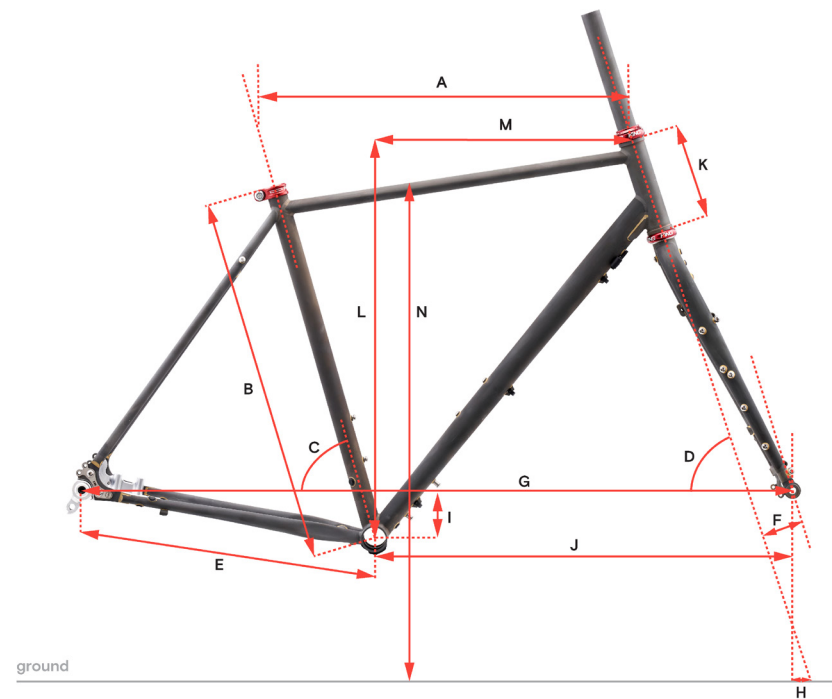
SECAN 3.0



	Size	51R	51T	54R	54T	56R	56T	58R	58T	61R	61T
A	Top Tube Horizontal	537	535	550	549	568	568	581	581	594	595
B	Seat Tube (BB to top ST)	490	495	510	515	520	535	540	555	560	575
C	Seat Tube Angle	74	74	74	74	73.5	73.5	73.5	73.5	73.5	73.5
D	Head Tube Angle	70	70	70.5	70.5	71.25	71.25	71.75	71.75	71.75	71.75
E	Chainstay Length	432	432	432	432	432	432	432	432	432	432
F	Fork Rake	50	50	50	50	50	50	50	50	50	50
G	Wheelbase	1027	1028	1036	1038	1044	1046	1053	1055	1067	1070
H	Trail - 650 x 47 = 685mm	71.5	71.5	68.2	68.2	63.5	63.5	60.3	60.3	60.3	60.3
	Trail - 700 x 38 = 697mm	73.6	73.6	70.4	70.4	65.5	65.5	62.3	62.3	62.3	62.3
	Trail - 650 x 2.2" = 702mm	74.5	74.5	71.3	71.3	66.3	66.3	63.1	63.1	63.1	63.1
I	Bottom Bracket Drop	77	77	77	77	75	75	75	75	75	75
J	Front Center Distance	607	608	616	618	623	625	632	634	646	649
K	Head Tube Length	104	136	121	155	139	175	156	194	175	215
L	Stack	540	570	558	590	576	610	594	630	612	650
M	Reach	380	370	388	378	396	386	404	394	412	402
N	Standover height (with 700x45 tyre) - @ 65mm forward of BB centre	756	771	775	791	789	812	808	832	827	851
	Fork Length - Axle to Crown	398	398	398	398	398	398	398	398	398	398

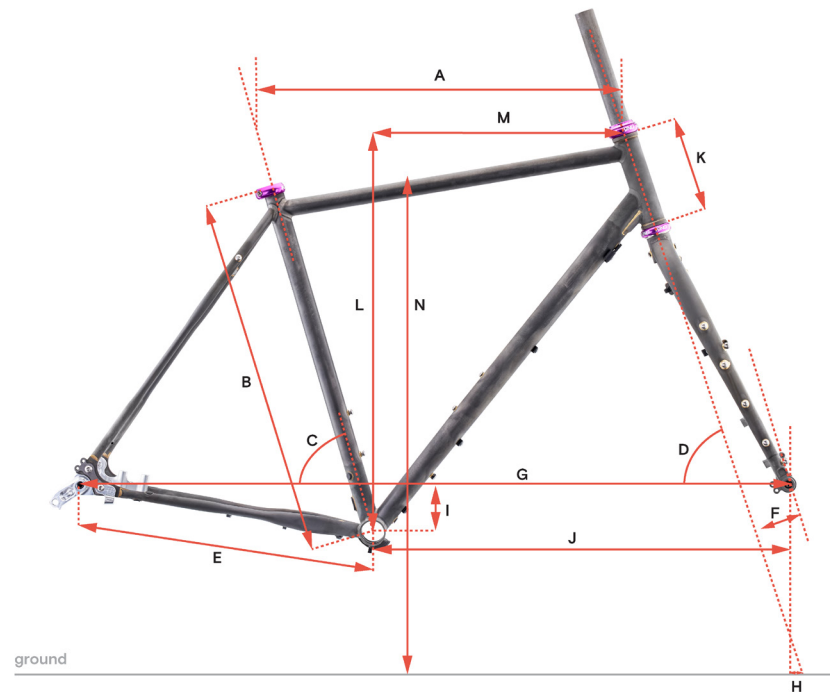


FARAN 2.0, 2.5



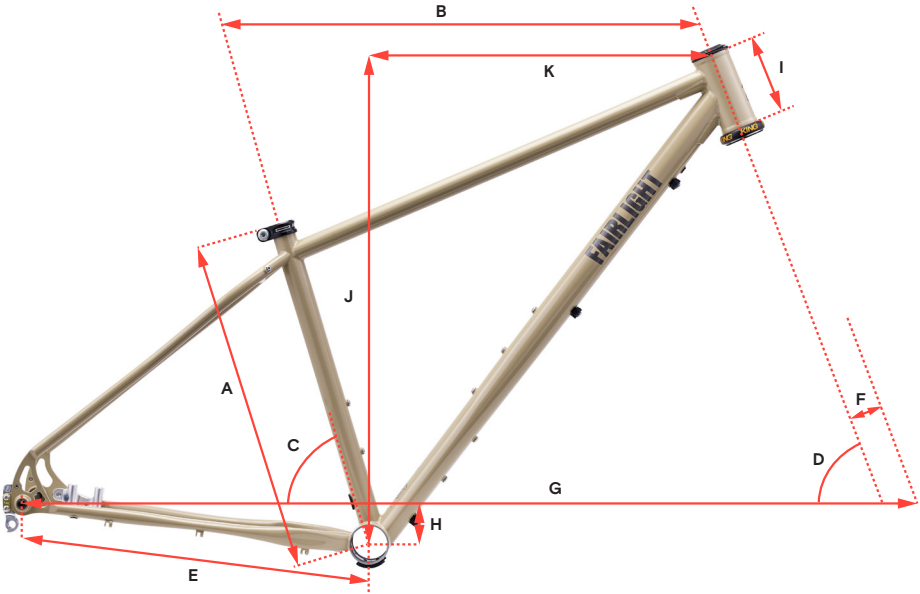
	Size	51R	51T	54R	54T	56R	56T	58R	58T	61R	61T
A	Top Tube Horizontal	535.9	534.7	547.5	548	565	563.7	583.5	582.8	597.3	597.9
B	Seat Tube (BB to top ST)	515	518	535	540	550	560	568	580	586	596
C	Seat Tube Angle	74	74	74	74	73.5	73.5	73	73	73	73.5
D	Head Tube Angle	71.5	71.5	72	72	72	72	72.5	72.5	72.5	72.5
E	Chainstay Length	430	430	430	430	430	430	430	430	430	430
F	Fork Rake	60	60	60	60	60	60	60	60	60	60
G	Wheelbase	1022.6	1022.6	1029.7	1030.8	1042.4	1042.4	1051.2	1051.2	1064.4	1072.1
H	Trail - 650 x 47 = 685mm	51.3	51.3	48.2	48.2	48.2	48.2	45.1	45.1	45.1	45.1
	Trail - 700 x 38 = 697mm	53.3	53.3	50.1	50.1	50.1	50.1	47	47	47	47
	Trail - 650 x 2.2" = 702mm	54.2	54.2	51	51	51	51	47.8	47.8	47.8	47.8
I	Bottom Bracket Drop	77	77	77	77	77	77	77	77	77	77
J	Front Center Distance	603.1	603.2	610.9	613	623.7	623.4	632.3	632	646.2	653.1
K	Head Tube Length	93	121	111	143	127	164	144	183	164	204
L	Stack	540.2	566.8	559.3	590	574.5	609.7	592.6	629.8	611.7	649.8
M	Reach	379.9	371.1	386.2	378	394.2	382.5	402.1	390.1	410.1	405
N	Standover height (with 700x45 tyre) - @ 65mm forward of BB centre	763	775	782	798	796	817	813	836	830	854
	Fork Length - Axle to Crown	408	408	408	408	408	408	408	408	408	408





	Size	51T	54R	54T	56R	56T	58R	58T	61T
A	Top Tube Horizontal	535	549	548	567	567	580	581	595
B	Seat Tube (BB to top ST)	518	531	537	549	557	567	575	594
C	Seat Tube Angle	74	74	74	73.5	73.5	73.5	73.5	73.5
D	Head Tube Angle	71.5	72	72	72	72	72.5	72.5	72.5
E	Chainstay Length	432	432	432	432	432	432	432	432
F	Fork Rake	60	60	60	60	60	60	60	60
G	Wheelbase	1023	1032	1033	1047	1048	1056	1057	1072
H	Trail - 650 x 47 = 685mm	51.3	48.2	48.2	48.2	48.2	45.1	45.1	45.1
	Trail - 700 x 38 = 697mm	53.3	50.1	50.1	50.1	50.1	47	47	47
	Trail - 650 x 2.2" = 702mm	54.2	51	51	51	51	47.8	47.8	47.8
I	Bottom Bracket Drop	77	77	77	75	75	75	75	75
J	Front Center Distance	603	612	613	626	627	635	636	651
K	Head Tube Length	124	110	143	131	167	148	185	206
L	Stack	570	558	590	576	611	594	630	650
M	Reach	370	388	378	396	386	404	394	402
N	Standover height (with 700x45 tyre) - @ 65mm forward of BB centre	786	789	805	808	827	825	845	864
	Fork Length - Axle to Crown	408	408	408	408	408	408	408	408

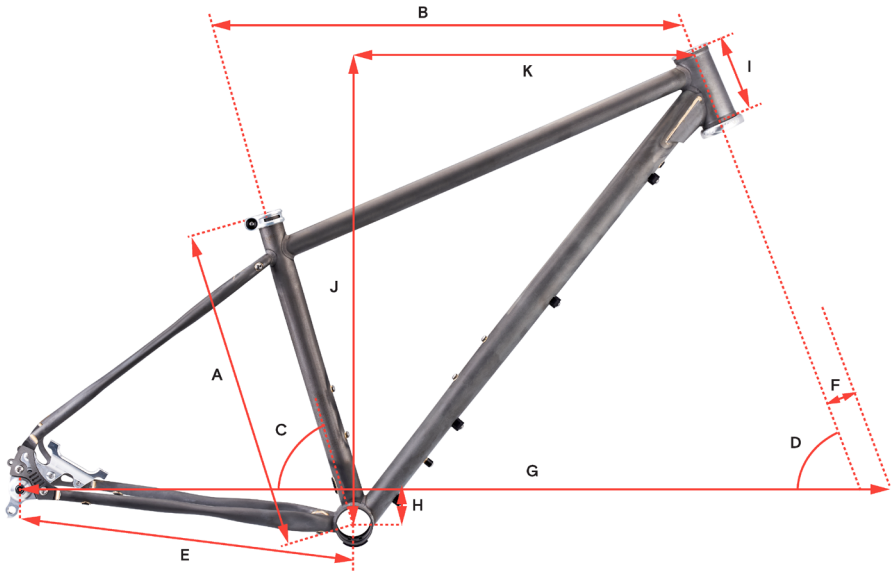
HOLT 1.0 GEOMETRY TABLE:
SAGGED - 100, 110, 120MM FORKS



Fork axle to crown measurements are based on:
SID SL 100mm with 20% sag = 486mm, SID 110mm with 20% sag = 499mm, SID 120mm with 20% sag = 507mm

	Size	Small			Medium			Large			Extra Large		
	Fork travel	100mm	110mm	120mm	100mm	110mm	120mm	100mm	110mm	120mm	100mm	110mm	120mm
A	Seat Tube (BB to top ST)	385	385	385	420	420	420	465	465	465	520	520	520
B	Effective Top Tube	590	592	593	610	612	613	633	635	636	659	661	662
C	Seat Tube Angle	74.8	74.2	73.83	74.8	74.2	73.83	74.8	74.2	73.83	74.8	74.2	73.83
	Effective Seat Tube Angle - 700mm saddle	75.5	75.1	74.7	75.5	75.1	74.7	75.5	75.1	74.7	75.5	75.1	74.7
	Effective Seat Tube Angle - 800mm saddle	75.4	75	74.6	75.4	75	74.6	75.4	75	74.6	75.4	75	74.6
	Effective Seat Tube Angle - 900mm saddle	75.3	74.9	74.5	75.3	74.9	74.5	75.3	74.9	74.5	75.3	74.9	74.5
D	Head Tube Angle	68.1	67.5	67.1	68.1	67.5	67.1	68.1	67.5	67.1	68.1	67.5	67.1
E	Chainstay Length	433	433	433	433	433	433	433	433	433	433	433	433
F	Fork Offset	44	44	44	44	44	44	44	44	44	44	44	44
G	Wheelbase	1122	1128	1130	1142	1148	1150	1166	1171	1174	1194	1199	1202
H	Bottom Bracket Drop	67	63	60	67	63	60	67	63	60	67	63	60
I	Head Tube Length	100	100	100	100	100	100	110	110	110	130	130	130
J	Stack	606	611	614	606	611	614	615	620	623	634	639	641
K	Reach	432	425	421	451	445	441	472	465	461	491	485	481
	Fork Length - Axle to Crown (see notes above)	486	499	507	486	499	507	486	499	507	486	499	507
	Recommended stem length	40-60mm			50-70mm			50-70mm			60-80mm		
	Size guide - cm	160-172cm			170-180cm			178-188cm			186-195 cm		
	Size guide - feet and inches	5ft 3in - 5ft 8in			5ft 7in - 5ft 11in			5ft 10in - 6ft 2in			6ft 1in - 6ft 5in		

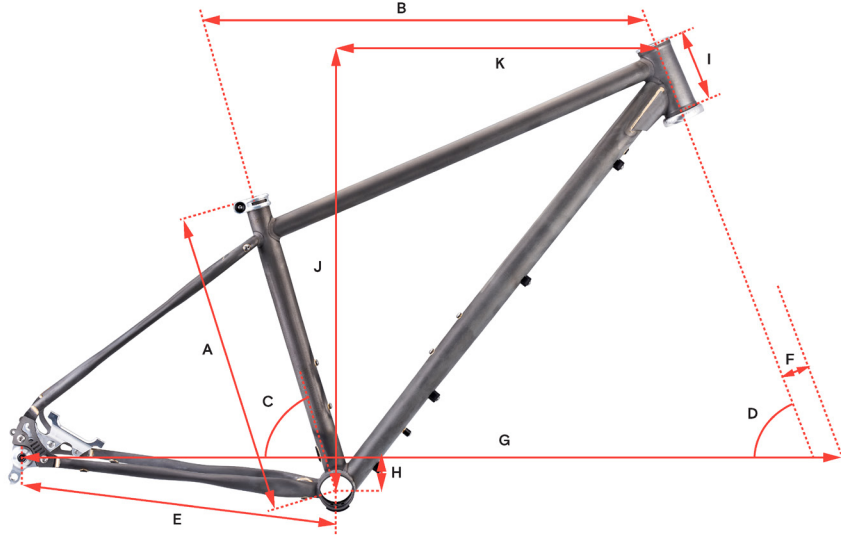
HOLT 2.0 GEOMETRY TABLE: SAGGED - 100, 110, 120MM FORKS



Fork axle to crown measurements are based on:
SID SL 100mm with 20% sag = 486mm, SID 110mm with 20% sag = 499mm, SID 120mm with 20% sag = 507mm

	Size	Small			Medium			Large			Extra Large		
	Fork travel	100mm	110mm	120mm	100mm	110mm	120mm	100mm	110mm	120mm	100mm	110mm	120mm
A	Seat Tube (BB to top ST)	385	385	385	425	425	425	465	465	465	510	510	510
B	Effective Top Tube	588.1	589.8	590.9	613.0	614.7	615.8	635.6	637.3	638.4	665.7	667.5	668.6
C	Seat Tube Angle	75.3	74.7	74.3	75.3	74.7	74.3	75.2	74.7	74.3	75.2	74.7	74.3
	Effective Seat Tube Angle - 700mm saddle	76.2	75.6	75.3	76.2	75.6	75.3	76.2	75.6	75.3	76.1	75.6	75.2
	Effective Seat Tube Angle - 800mm saddle	76.1	75.5	75.2	76.1	75.5	75.2	76.1	75.5	75.2	76.0	75.4	75.1
	Effective Seat Tube Angle - 900mm saddle	76.0	75.4	75.1	76.0	75.4	75.1	76.0	75.4	75.1	75.9	75.4	75.0
D	Head Tube Angle	68.0	67.4	67.0	68.0	67.4	67.0	67.9	67.4	67.0	67.9	67.4	67.0
E	Chainstay Length	435	435	435	435	435	435	435	435	435	435	435	435
F	Fork Offset	44	44	44	44	44	44	44	44	44	44	44	44
G	Wheelbase	1130	1135	1138	1155	1160	1163	1179	1184	1187	1212	1216	1220
H	Bottom Bracket Drop	70	66	63	70	66	63	70	66	63	70	66	63
I	Head Tube Length	100	100	100	100	100	100	110	110	110	130	130	130
J	Stack	608	613	616	608	613	616	617	622	625	635	640	643
K	Reach	436	429	425	460	454	450	480	474	470	505	499	495
	Fork Length - Axle to Crown (see notes above)	486	499	507	486	499	507	486	499	507	486	499	507
	Recommended stem length	30-50mm			40-70mm			50-70mm			50-80mm		
	Size guide - cm	160-172cm			170-180cm			178-188cm			186-195 cm		
	Size guide - feet and inches	5ft 3in - 5ft 8in			5ft 7in - 5ft 11in			5ft 10in - 6ft 2in			6ft 1in - 6ft 5in		

HOLT 2.0 GEOMETRY TABLE: SAGGED VS STATIC - 120MM FORK



	Size	Small		Medium		Large		Extra Large	
		Sagged @ 20%	Static	Sagged @ 20%	Static	Sagged @ 20%	Static	Sagged @ 20%	Static
A	Seat Tube (BB to top ST)	385	385	425	425	465	465	510	510
B	Effective Top Tube	590.9	594.2	615.8	619.2	638.4	641.9	668.6	672.1
C	Seat Tube Angle	74.3	73.2	74.3	73.2	74.3	73.2	74.3	73.3
	Effective Seat Tube Angle - 700mm saddle	75.3	74.3	75.3	74.3	75.3	74.3	75.2	74.3
	Effective Seat Tube Angle - 800mm saddle	75.2	74.2	75.2	74.2	75.2	74.2	75.1	74.2
	Effective Seat Tube Angle - 900mm saddle	75.1	74.1	75.1	74.1	75.1	74.1	75.0	74.1
D	Head Tube Angle	67.0	65.9	67.0	65.9	67.0	65.9	67.0	66.0
E	Chainstay Length	435	435	435	435	435	435	435	435
F	Fork Offset	44	44	44	44	44	44	44	44
G	Wheelbase	1138	1148	1163	1172	1187	1196	1220	1229
H	Bottom Bracket Drop	63	54.7	63	54.88	63	55.04	63	55.25
I	Head Tube Length	100	100	100	100	110	110	130	130
J	Stack	616	624	616	624	625	634	643	652
K	Reach	425	413	450	438	470	458	495	483
	Stanover height - static - @ 65mm forward of BB cente - with a 2.4" tyre	n/a	742	n/a	765	n/a	791	n/a	824
	Fork Length - Axle to Crown (see notes above)	507	531	507	531	507	531	507	531
	Recommended stem length	30-50mm		40-70mm		50-70mm		50-80mm	
	Size guide - cm	160-172cm		170-180cm		178-188cm		186-195 cm	
	Size guide - feet and inches	5ft 3in - 5ft 8in		5ft 7in - 5ft 11in		5ft 10in - 6ft 2in		6ft 1in - 6ft 5in	