Frame Paspoort: Helium Disc

General info

Brand	Ridley
Model	Helium Disc
First intro (modelyear?)	2022
Description (intended use of frame)	Road

Material

Frame material	High Modulus Essential Carbon

Weight

Frame	gr.
XS	870
XS	890
S	915
M	950
L	990
XL	1010
Weight fork	379

Cableparts

2x Mechanical (Direct mount FD only)

Article code	Description	Quantity	Position on frame
FRPGROJAG002	Jagwire closed grommet 8mm	1	Seat tube
FRPGROJAG003	Jagwire Di2 grommet flat top	1	Seat tube/BB
FRPGROJAG010	Jagwire Mechanical grommet flat top	1	Rear dropout
FRPCBGRID001	Cable guide brake housing	1	Chainstay
CABFOAJAG001	Jagwire NBR Foam Tube 5,5mm inner/8,2mm outer	0,5	Down tube
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CABFOAJAG001	Jagwire NBR Foam Tube 5,5mm inner/8,2mm outer	0,5	Down tube

DI2

Article code	Description	Quantity	Position on frame
FRPGROJAG002	Jagwire closed grommet 8mm	1	Seat tube/BB
FRPGROJAG003	Jagwire Di2 grommet flat top	1	Seat tube
FRPGROJAG003	Jagwire Di2 grommet flat top	1	Rear dropout
FRPCBGRID001	Cable guide brake housing	1	Chainstay
SPTDI24ZA004	4ZA Di2 Int Bat Adap 27,2 SEP	1	Seatpost
CABFOAJAG001	Jagwire NBR Foam Tube 5,5mm inner/8,2mm outer	0,5	Down tube

EPS

Article code	Description	Quantity	Position on frame
FRPGROJAG002	Jagwire closed grommet 8mm	1	Seat tube/BB
FRPGROJAG003	Jagwire Di2 grommet flat top	1	Seat tube
FRPGROJAG003	Jagwire Di2 grommet flat top	1	Rear dropout
FRPCBGRID001	Cable guide brake housing	1	Chainstay
SPTDI24ZA004	4ZA Di2 Int Bat Adap 27,2 SEP	1	Seatpost
CABFOAJAG001	Jagwire NBR Foam Tube 5,5mm inner/8,2mm outer	0,5	Down tube

ETAP

Article code	Description	Quantity	Position on frame
FRPGROJAG002	Jagwire closed grommet 8mm	1	Seat tube
FRPGROJAG002	Jagwire closed grommet 8mm	1	Seat tube/BB
FRPGROJAG002	Jagwire closed grommet 8mm	1	Rear dropout
FRPCBGRID001	Cable guide brake housing	1	Chainstay
CABFOAJAG001	Jagwire NBR Foam Tube 5,5mm inner/8,2mm outer	0,5	Down tube

Parts

Fork

Material	Carbon
Fork length	
Steerer tube length	300mm
Bearings	Upper 1 1/8”
	Lower 1 1/4”
Rake	45mm
OLD (Over Lock Distance)	100mm
Wheel axle diameter front	12mm
Thru-axle article code	QRET124ZA038
Length thru-axle	120mm
Pitch thru-axle	1,5mm
Suspension	Not applicable
Maximum tyre size	28mm
Maximum tyre size mudguards	Not applicable
Fender description	Not applicable
Fender article code	Not applicable

Headset

Headset diameter	Upper 1 1/8"
	Lower 1 1/4"
International Headset code	
Headset description	Deda HSE IN-4 Int. 1-1/8-1-1/4
Headset article code	HSERACDEE004
Maximum amount of spacers	40mm

Compatible groupsets

All Shimano road groupsets

All Campagnolo road groupsets

All Sram road groupsets

Seatpost

Seatpost description	27,2mm, round
Seatpost clamp description	4ZA Seatpost clamp 31,2mm 2BLT
Seatpost set-back	SPCSNG4ZA015

Bottem bracket

Bottom bracket description	PF30
Diameter	46mm
Width	68mm

Brakes

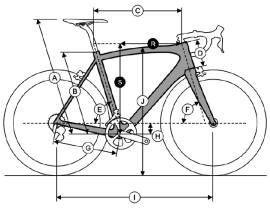
Rim brakes	NO
Rim brake type	NO
Disc brakes	YES
Disc brake Type	Flatmount - 20mm mounting bolts
	Max 160mm rotor

Drivetrain

Maximum chain line	45mm
Front derailleur clamp description	FDCHSL4ZA003
Hanger description	Der-clamp front Helium SL 3mm
Hanger article code	HAARCERID041
	AMP: Hanger set NFD HXD

Frame & wheels

Wheel dimension	700C
Build-in width	142mm
Wheel axle diameter rear	12mm
Wheel axle diameter front	12mm
Thru-axle article code	FR: QRET124ZA038 / RR: QRET124ZA039
Thru-axle Pitch	1,5mm
Thru-axle Length	120/164mm

Geometry

	A	B	C'	C	D	E	F	G	H	I	J	S	R
XXS	740	450	-	515	110	75,0	71,8	405	68	970	721	507	379
XS	770	480	-	525	130	74,0	72,0	405	68	970	755	527	374
S	800	510	-	545	145	73,5	73,0	405	66	977	775	542	384
M	830	540	-	565	175	73,0	73,5	405	66	987	804	573	390
L	860	570	-	585	205	72,5	73,5	408	63	1005	834	599	396
XL	890	600	-	600	230	72,5	74,0	408	63	1014	861	624	403