

SURLY grappler purple dust benny - FRAME SPEC

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| Frame Construction | 100% Surly Chromoly Steel frame, Natch tubing, double-butted main triangle, TIG welded, E.D. coated |
| Fork Construction | 100% Surly Chromoly Steel fork, Natch tubing, double-butted tapered fork blades, TIG welded, E.D. coated |
| Rear Dropout Configuration | Horizontal slotted with optional vertical dropout |
| Rear Hub Spacing | "Gnot-Boost" 145mm; 12 x 142mm or 12 x 148mm (Surly axle included); 10 x 135mm with Surly 10/12 Adapter Washers (not included) |
| Front Hub Spacing | 15 x 110mm (Surly axle included) |
| Rear Brake | Disc - 51mm I.S. (203mm max rotor) |
| Front Brake | Disc - 51mm I.S. (203mm max rotor) |
| Headtube | Ø34mm |
| Steerer Tube | Ø28.6mm |
| Crown Race | Ø30mm (1-1/8") |
| Stock Headset Upper (S.H.I.S) | EC34 or ZS34 |
| Stock Headset Lower (S.H.I.S) | EC34 |
| Seat Collar | 33.1mm |
| Seatpost | Ø30.9mm |
| Front Derailleur (Clamp) | High direct mount top-pull (Ø34.9mm) 26mm offset adapter (not included) for 142 or 135mm rear hub spacing 29mm offset adapter (not included) for 148mm rear hub spacing |

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| Max Chainring (CL) [3] | 1x (mtn): 36T 2x (mtn): 36/26T 1x (Boost): 38T 2x (Boost): 39/32T |
| Bottom Bracket | 73mm BSA, threaded |
| Tire Clearance Frame [1]/[2] | 27.5 x 3" (27.5 x 2.8" with fender) 29 x 2.1-2.5" with or without fender (2.1" clearance with wheel all the way forward; 2.5" clearance with wheel all the way back in dropout) |
| Tire Clearance Fork [1] | 27.5 x 2.8" (27.5 x 2.6" with fender) 29 x 2.2" (29 x 2.0" with fender) |
| Rigid Fork Spec | 420 x 50mm |
| Design Suspension Fork Length [4] | N/A |
| Max Suspension Fork Length [4] | 420mm |
| Bottle Mounts Frame | 3-pack mounts on upper and lower downtube; seat tube bottle mounts on frame sizes S-XL |
| Bottle Mounts Fork | 3-pack mounts on each fork blade |
| Rack Mounts Frame | Yes (upper and lower threaded) |
| Rack Mounts Fork | Yes (upper and mid-blade threaded) |
| Fender Mounts Frame | Yes |
| Fender Mounts Fork | Yes |
| Other Features | Internal dropper post routing |

[1] Different tire and rim combinations will result in different clearances.
[2] Depending on drivetrain configuration, tire clearance may be limited by the chain and not the frame.
[3] Listed chainring clearance is worst case scenario. Clearances vary widely depending on components and configurations.