

| Frame | Notes | Ali Price | AliExpress | Amazon |
|---|--|-------------------|--|---|
| THERE IS NONE YOU ROOK | | | | |
| | | | | |
| Motion | | | | |
| GT2 6mm wide Belt 3 meters | 2 Runs just over a meter each | \$5.99 | https://www.aliexpress.com/item/902692789.html?spm=a2g0o.productlist.0.0.15cb638cW9yGY&algo_pvid=e9f6181e-d34a-4a32-b57e-123b7981357a&algo_exp_id=e9f6181e-d34a-4a32-b57e-123b7981357a | |
| 2 X 20T Pulley bearings total | 5mm bore, for 6mm belt | \$4.99 \$11.34 | https://www.aliexpress.com/item/32995102911.html?spm=a2g0o.detail.0.0.36347ae2aaALzT&gsp-id=pcDetailBottomMoreThisSeller&scm=1007.13339.291025.0&scm_id=1007.13339.291025.0 https://www.aliexpress.com/item/33001186278.html?spm=a2g0o.order_list.0.0.21ef1802U5wnH | |
| | N/A | | https://www.aliexpress.com/item/1005001843434877.html?spm=a2g0o.cart.0.0.7be7481cQ5uQIC4mp | https://www.amazon.ca/gp/product/B09VC1RWVJ/ref=ppx_yo_dt_b_asin?pf_rd_p=8081051681&pf_rd_s=product-page&pf_rd_t=1&pf_rd_c=13189631-2020-36347ae2aaALzT&pf_rd_i=B09VC1RWVJ |
| | N/A | | https://www.aliexpress.com/item/1005001843434877.html?spm=a2g0o.cart.0.0.7be7481cQ5uQIC4mp | |
| 5 X Nema17 42mm Any you prefer | | \$54.41 | | https://www.amazon.ca/gp/product/B081Q51G8L/ref=ppx_yo_dt_b_asin?pf_rd_p=8081051681&pf_rd_s=product-page&pf_rd_t=1&pf_rd_c=13189631-2020-36347ae2aaALzT&pf_rd_i=B081Q51G8L |
| 8 X 8mm Linear Rod 250mm length | | \$38.32 | https://www.aliexpress.com/item/4000272809625.html?spm=a2g0o.cart.0.0.370238daBRRigb&mp=1 | |
| 10 X LM8UU Bearing | | \$4.61 | https://www.aliexpress.com/item/4000909626059.html?spm=a2g0o.productlist.0.0.4e8352fb2Jkwdz&algo_pvid=46b10193-c3db-43b0-bcc7-92fab4526725&algo_exp_id=46b10193-c3db-43b0-bcc7-92fab4526725 | |
| 2 X 200mm Lead Screw 2mm Pitch 8mm Lead | | \$7.62 | https://www.aliexpress.com/item/32507277503.html?spm=a2g0o.productlist.0.0.66b07b0fmrONQc&algo_pvid=d7bc83c5-fe47-40a4-b174-13c5b9fd415b&algo_exp_id=d7bc83c5-fe47-40a4-b174-13c5b9fd415b | |
| 4 X 32 x 22 Rubber Feet | | \$9.00 | | |
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| Hardware | | | | |
| M3 Assortment | 10mm, 12mm,16mm, 20mm, 30mm | | | |
| M2 x 10mm for z limit switch (2 pcs) | | | | |
| 8 X M5 40mm for XY Carriage idlers (long) | | | | |
| 6 X M5 x 30mm for front idler (Short) | | | | |
| | N/A | | | |
| 14 X M5 Washers | | | | |
| Extruder | | | | |
| BMG Extruder Bowden | | \$13.00 | https://www.aliexpress.com/item/1005003423850142.html?spm=a2g0o.productlist.0.0.1a831b3cKcGy1sA&algo_pvid=c4cde852-60f9-4736-8cb4-5c7fc3dc8e47&aem_p4p_de | |
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| BED | | | | |
| 150mm x 150mm x 3mm, 12v Heated Bed | | \$9.43 | https://www.aliexpress.us/item/2251832248316953.html?spm=a2g0o.productlist.0.0.a72d423977hMVf&algo_pvid=bd28beb29-b586-407a-b700-01e8e0936d23&algo_exp_id=bd28beb29-b586-407a-b700-01e8e0936d23 | |
| Bet Leveling Screws, springs, thumbwheels | | \$3.70 | https://www.aliexpress.us/item/2251832709404329.html?spm=a2g0o.detail.1000014.3.7e7a1e35dGzbT&gsp-id=pcDetailBottomMoreOtherSeller&scm=1007.40050.221175.0&scm_id=1007.40050.221175.0 | |
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| Electronics | | | | |
| 24v | | | | |
| 24 Volt 6 Amp Power Supply AC Adapter | | \$25.99 | | |
| CR-10 Style Hotend 24v (Cheapest, but lower quality. I have had good luck with these though, I usually buy from amazon) | | \$8.61 | https://www.aliexpress.com/item/32025732347.html?spm=a2g0o.cart.0.0.192238daLzuFTA&mp=1 | |
| 120mm 24v fan for layer cooling (Cheaper on Amazon) | | \$18.00 | https://www.aliexpress.com/item/33021068426.html?spm=a2g0o.order_list.0.0.64f31802Vn9NPc | |
| 3010 24v ball bearing fan for hotend (I recommend Gdstime) | | \$11 | https://www.aliexpress.com/item/1005003087542512.html?spm=a2g0o.productlist.0.0.56ad593dfSqpQ2&algo_pvid=b2f2e782-b88c-41cc-a0bf-8611fe04cc14&aem_p4p_de | |
| Meanwell 24v 15a 350w | upgrade if wanting heated bed | \$40.00 | | https://www.amazon.com/LRS-350-24-Switching-Supply-350-4W-115V/ac/dp/B075N8Z884 |
| 150mm 24v Silicone heater | | \$14.71 | | https://www.amazon.com/Acogedor-Silicone-Flexible-Adhesive-Thermistor/dp/B075N8Z884 |
| | | | | |
| Not voltage Dependent | | | | |
| 100 Brass Heated M3x5x4 | | \$8.00 | https://www.aliexpress.com/item/4000232858343.html?spm=a2g0o.order_list.0.0.2ba81802mxqNN | |
| MKS Robin E3 v1.1 OR BTT SKR Mini E3 v3 (More Expensive) or SKR Pico Any mainboard should work, the Rook does use sensorless homing | | \$32.00 | https://www.aliexpress.com/item/1005002618890320.html?spm=a2g0o.cart.0.0.447138daPao61s&mp=1 | |
| Endstop Omron (Any edstop with a similar style will work, only used for Z) | | \$4.00 | https://m.aliexpress.us/item/3256804489070551.html?spm=a2g0o.order_detail.0.0.267ff19c9P2Ac&gatewayAdapt=glb2usa&randl_shipsto=US | |
| Recommended, heats up really fast, easy to mount and good quality | can get 12v or 24v | | https://www.aliexpress.com/item/1005004704341801.html?spm=a2g0o.order_list.0.0.67681802yxlymx | |
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| 12v | | | | |
| Power Supply 12v, 10a | | \$21 | | https://www.amazon.com/ALITOVE-100-240V-Converter-Transformer-5-5G |
| stranded silicone wire for heated bed, stranded 20awg | | | | |
| V6 Hotend, all metal, 12v, bowden | | \$7.75 | https://www.aliexpress.us/item/3256803000529672.html?spm=a2g0o.productlist.0.0.f6422dc2rhR5fn&algo_pvid=c7e3437f-45cb-4370-9ee1-68913ab8e3a2&algo_exp_id=c7e3437f-45cb-4370-9ee1-68913ab8e3a2 | |
| 2x 7530 12v blower fans | | \$10 | https://www.aliexpress.com/item/2251801505487752.html?spm=a2g0o.productlist.0.0.5d5079d4Y7KQLD&algo_pvid=286822fe-d247-471a-a58c-9c6f7fd1e438&algo_exp_id=286822fe-d247-471a-a58c-9c6f7fd1e438 | |
| 4010 Fan, 12v | | \$4 | https://www.aliexpress.us/item/3256804671765912.html?spm=a2g0o.detail.0.0.373a233a1tw8P1&gsp-id=pcDetailBottomMoreThisSeller&scm=1007.13339.291025.0&scm_id=1007.13339.291025.0 | |
| ptfe tube, 4mm OD, 2mm ID, 1m long | | \$3 | https://www.aliexpress.us/item/3256801260455800.html?spm=a2g0o.productlist.0.0.2026ae5dazG7&algo_pvid=0639a7fe-f6ca-44de-a5b5-7c456010bd0d&algo_exp_id=0639a7fe-f6ca-44de-a5b5-7c456010bd0d | |
| Motor Wires, 50cm, xh2.54 | | \$5 | https://www.aliexpress.us/item/2251832624960694.html?spm=a2g0o.productlist.0.0.6b5217adtaty76&algo_pvid=4613d991-0865-4c0b-acc9-c85067e5f788&algo_exp_id=4613d991-0865-4c0b-acc9-c85067e5f788 | |
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| 12v 17a 200w Meanwell (\$36) | smallest for heated bed might be too small | | | https://www.amazon.com/MEAN-WELL-LRS-150-12-Single-Switchable/dp/B075N8Z884 |
| 12v 12.5a 150w Meanwell (\$25) | | | | https://www.amazon.com/MEAN-WELL-LRS-150-12-Single-Switchable/dp/B075N8Z884 |
| Tiny M 6mm bed with mains heater (\$63) | don't have mounting yet | | https://www.aliexpress.us/item/3256802660304098.html?gatewayAdapt=glb2usa4itemAdapt&randl_shipsto=US | |
| Solid State Relay | Go quality | | | |
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| TOTAL USD | | \$257.15 | *doesn't include 24v | |