

Frame	Notes	Ali Price	AliExpress	Amazon
THERE IS NONE YOU ROOK				
<b>Motion</b>				
GT2 6mm wide Belt 3 meters	2 Runs just over a meter each	\$5.99	<a href="https://www.aliexpress.com/item/902692789.html?spm=a2g0o.productlist.0.0.15cb638cW9yGY&amp;algo_pvid=e9f6181e-d34a-4a32-b57e-123b7981357a&amp;algo_exp_id=e9f6181e-d34a-4a32-b57e-123b7981357a">https://www.aliexpress.com/item/902692789.html?spm=a2g0o.productlist.0.0.15cb638cW9yGY&amp;algo_pvid=e9f6181e-d34a-4a32-b57e-123b7981357a&amp;algo_exp_id=e9f6181e-d34a-4a32-b57e-123b7981357a</a>	
2 X 20T Pulley bearings total	5mm bore, for 6mm belt	\$4.99 \$11.34	<a href="https://www.aliexpress.com/item/32995102911.html?spm=a2g0o.detail.0.0.36347ae2aaALzT&amp;gpc-id=pcDetailBottomMoreThisSeller&amp;scm=1007.13339.291025.0&amp;scm_id=1007.13339.291025.0">https://www.aliexpress.com/item/32995102911.html?spm=a2g0o.detail.0.0.36347ae2aaALzT&amp;gpc-id=pcDetailBottomMoreThisSeller&amp;scm=1007.13339.291025.0&amp;scm_id=1007.13339.291025.0</a>	
	N/A		<a href="https://www.aliexpress.com/item/33001186278.html?spm=a2g0o.order_list.0.0.21ef1802U5wnH">https://www.aliexpress.com/item/33001186278.html?spm=a2g0o.order_list.0.0.21ef1802U5wnH</a>	
	N/A		<a href="https://www.aliexpress.com/item/1005001843434877.html?spm=a2g0o.cart.0.0.7be7384cQ5u0_IC4mp">https://www.aliexpress.com/item/1005001843434877.html?spm=a2g0o.cart.0.0.7be7384cQ5u0_IC4mp</a>	<a href="https://www.amazon.ca/gp/product/B09VC1RVN1?ref=ppx_yo_dtl_b_asin&amp;pf_rd_p=1005001843434877&amp;pf_rd_r=1005001843434877">https://www.amazon.ca/gp/product/B09VC1RVN1?ref=ppx_yo_dtl_b_asin&amp;pf_rd_p=1005001843434877&amp;pf_rd_r=1005001843434877</a>
	N/A		<a href="https://www.aliexpress.com/item/1005001844244822.html?spm=a2g0o.cart.0.0.7ad723d2ttttbA&amp;mp=1">https://www.aliexpress.com/item/1005001844244822.html?spm=a2g0o.cart.0.0.7ad723d2ttttbA&amp;mp=1</a>	
5 X Nema17 42mm Any you prefer		\$54.41		<a href="https://www.amazon.ca/gp/product/B08151G8L/ref=ppx_yo_dtl_b_asin">https://www.amazon.ca/gp/product/B08151G8L/ref=ppx_yo_dtl_b_asin</a>
8 X 8mm Linear Rod 250mm length		\$38.32	<a href="https://www.aliexpress.com/item/4000272809625.html?spm=a2g0o.cart.0.0.370238daBRRqb&amp;mp=1">https://www.aliexpress.com/item/4000272809625.html?spm=a2g0o.cart.0.0.370238daBRRqb&amp;mp=1</a>	
10 X LM8UU Bearing		\$4.61	<a href="https://www.aliexpress.com/item/4000909626059.html?spm=a2g0o.productlist.0.0.4e8352fb2Jkwdz&amp;algo_pvid=b28eb29-b586-407a-b700-01e8e0936d23&amp;algo_exp_id=b28eb29-b586-407a-b700-01e8e0936d23">https://www.aliexpress.com/item/4000909626059.html?spm=a2g0o.productlist.0.0.4e8352fb2Jkwdz&amp;algo_pvid=b28eb29-b586-407a-b700-01e8e0936d23&amp;algo_exp_id=b28eb29-b586-407a-b700-01e8e0936d23</a>	
2 X 200mm Lead Screw 2mm Pitch 8mm Lead		\$7.62	<a href="https://www.aliexpress.com/item/32507277503.html?spm=a2g0o.productlist.0.0.66b07b0fmrQNOq&amp;algo_pvid=d7bc83c5-fe47-40a4-b174-13c5b9fd415b&amp;algo_exp_id=d7bc83c5-fe47-40a4-b174-13c5b9fd415b">https://www.aliexpress.com/item/32507277503.html?spm=a2g0o.productlist.0.0.66b07b0fmrQNOq&amp;algo_pvid=d7bc83c5-fe47-40a4-b174-13c5b9fd415b&amp;algo_exp_id=d7bc83c5-fe47-40a4-b174-13c5b9fd415b</a>	
4 X 32 x 22 Rubber Feet		\$9.00		
5mm to 8mm shaft coupler	Could be 3d printed	\$4.29	<a href="https://www.aliexpress.us/item/2251832689038470.html?spm=a2g0o.productlist.0.0.38bc3505wRrfs&amp;algo_pvid=957fb0c1-19bb-4523-aeb5-4b045283f5d6&amp;algo_exp_id=957fb0c1-19bb-4523-aeb5-4b045283f5d6">https://www.aliexpress.us/item/2251832689038470.html?spm=a2g0o.productlist.0.0.38bc3505wRrfs&amp;algo_pvid=957fb0c1-19bb-4523-aeb5-4b045283f5d6&amp;algo_exp_id=957fb0c1-19bb-4523-aeb5-4b045283f5d6</a>	
<b>Hardware</b>				
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				
<b>Extruder</b>				
BMG Extruder Bowden		\$13.00	<a href="https://www.aliexpress.com/item/1005003423850142.html?spm=a2g0o.productlist.0.0.1a831b3cckGy1sA&amp;algo_pvid=c4cde852-60f9-4736-8cb4-5c7fc3dc8e47&amp;aem_p4p_de">https://www.aliexpress.com/item/1005003423850142.html?spm=a2g0o.productlist.0.0.1a831b3cckGy1sA&amp;algo_pvid=c4cde852-60f9-4736-8cb4-5c7fc3dc8e47&amp;aem_p4p_de</a>	
<b>BED</b>				
150mm x 150mm x 3mm, 12v Heated Bed		\$9.43	<a href="https://www.aliexpress.us/item/225183248316953.html?spm=a2g0o.productlist.0.0.a72dd2397HmVf&amp;algo_pvid=b28eb29-b586-407a-b700-01e8e0936d23&amp;algo_exp_id=b28eb29-b586-407a-b700-01e8e0936d23">https://www.aliexpress.us/item/225183248316953.html?spm=a2g0o.productlist.0.0.a72dd2397HmVf&amp;algo_pvid=b28eb29-b586-407a-b700-01e8e0936d23&amp;algo_exp_id=b28eb29-b586-407a-b700-01e8e0936d23</a>	
Bet Leveling Screws, springs, thumbwheels		\$3.70	<a href="https://www.aliexpress.us/item/2251832709404329.html?spm=a2g0o.detail.1000014.3.7e7a1e35dGzbT&amp;gpc-id=pcDetailBottomMoreOtherSeller&amp;scm=1007.40050.281175.0&amp;scm_id=1007.40050.281175.0">https://www.aliexpress.us/item/2251832709404329.html?spm=a2g0o.detail.1000014.3.7e7a1e35dGzbT&amp;gpc-id=pcDetailBottomMoreOtherSeller&amp;scm=1007.40050.281175.0&amp;scm_id=1007.40050.281175.0</a>	
<b>Electronics</b>				
<b>24v</b>				
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	<a href="https://www.aliexpress.com/item/32925732347.html?spm=a2g0o.cart.0.0.192238daLzuFTA&amp;mp=1">https://www.aliexpress.com/item/32925732347.html?spm=a2g0o.cart.0.0.192238daLzuFTA&amp;mp=1</a>	
120mm 24v fan for layer cooling (Cheaper on Amazon )		\$18.00	<a href="https://www.aliexpress.com/item/33021068426.html?spm=a2g0o.order_list.0.0.64f31802VN9NPc">https://www.aliexpress.com/item/33021068426.html?spm=a2g0o.order_list.0.0.64f31802VN9NPc</a>	
3010 24v ball bearing fan for hotend ( I recommend GDeltaTime )		\$11	<a href="https://www.aliexpress.com/item/1005003087542512.html?spm=a2g0o.productlist.0.0.56ad593deSqog2&amp;algo_pvid=b27f2e782-b88c-41cc-a0bf-8611fe04cc14&amp;aem_p4p_de">https://www.aliexpress.com/item/1005003087542512.html?spm=a2g0o.productlist.0.0.56ad593deSqog2&amp;algo_pvid=b27f2e782-b88c-41cc-a0bf-8611fe04cc14&amp;aem_p4p_de</a>	
Meanwell 24v 15a 350w	upgrade if wanting heated bed	\$40.00		<a href="https://www.amazon.com/LRS-350-24-Switching-Supply-350-4W-115V/ac/dp/B08151G8L">https://www.amazon.com/LRS-350-24-Switching-Supply-350-4W-115V/ac/dp/B08151G8L</a>
150mm 24v Silicone heater		\$14.71		<a href="https://www.amazon.com/Acogedor-Silicone-Flexible-Adhesive-Thermistor/dp/B08151G8L">https://www.amazon.com/Acogedor-Silicone-Flexible-Adhesive-Thermistor/dp/B08151G8L</a>
<b>Not voltage Dependent</b>				
100 Brass Heated M3x5x4		\$8.00	<a href="https://www.aliexpress.com/item/4000232858343.html?spm=a2g0o.order_list.0.0.2ba81802mrxoNN">https://www.aliexpress.com/item/4000232858343.html?spm=a2g0o.order_list.0.0.2ba81802mrxoNN</a>	
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	<a href="https://www.aliexpress.com/item/1005002618890320.html?spm=a2g0o.cart.0.0.447138daPao61s&amp;mp=1">https://www.aliexpress.com/item/1005002618890320.html?spm=a2g0o.cart.0.0.447138daPao61s&amp;mp=1</a>	
Endstop Omron ( Any edstop with a similar style will work, only used for Z )		\$4.00	<a href="https://m.aliexpress.us/item/3256804489070551.html?spm=a2g0o.order_detail.0.0.267ff19c9P2Ac&amp;gatewayAdapt=glo2usa&amp;randl_shipito=US">https://m.aliexpress.us/item/3256804489070551.html?spm=a2g0o.order_detail.0.0.267ff19c9P2Ac&amp;gatewayAdapt=glo2usa&amp;randl_shipito=US</a>	
Recommended, heats up really fast, easy to mount and good quality	can get 12v or 24v		<a href="https://www.aliexpress.com/item/1005004704341801.html?spm=a2g0o.order_list.0.0.67681802yxlymx">https://www.aliexpress.com/item/1005004704341801.html?spm=a2g0o.order_list.0.0.67681802yxlymx</a>	
<b>12v</b>				
Power Supply 12v, 10a		\$21		<a href="https://www.amazon.com/ALITOVE-100-240V-Converter-Transformer-5-5K/dp/B08151G8L">https://www.amazon.com/ALITOVE-100-240V-Converter-Transformer-5-5K/dp/B08151G8L</a>
stranded silicone wire for heated bed, stranded 20awg				
V6 Hotend, all metal, 12v, bowden		\$7.75	<a href="https://www.aliexpress.us/item/3256803000529672.html?spm=a2g0o.productlist.0.0.f6422dc2rhR5fn&amp;algo_pvid=c7e3437f-45cb-4370-9ee1-68913ab8e3a2&amp;algo_exp_id=c7e3437f-45cb-4370-9ee1-68913ab8e3a2">https://www.aliexpress.us/item/3256803000529672.html?spm=a2g0o.productlist.0.0.f6422dc2rhR5fn&amp;algo_pvid=c7e3437f-45cb-4370-9ee1-68913ab8e3a2&amp;algo_exp_id=c7e3437f-45cb-4370-9ee1-68913ab8e3a2</a>	
2x 7530 12v blower fans		\$10	<a href="https://www.aliexpress.us/item/2251801505487752.html?spm=a2g0o.productlist.0.0.5e5079d4Y7KQLD&amp;algo_pvid=286822fe-d247-471a-a58c-9c6f7fd1e438&amp;algo_exp_id=286822fe-d247-471a-a58c-9c6f7fd1e438">https://www.aliexpress.us/item/2251801505487752.html?spm=a2g0o.productlist.0.0.5e5079d4Y7KQLD&amp;algo_pvid=286822fe-d247-471a-a58c-9c6f7fd1e438&amp;algo_exp_id=286822fe-d247-471a-a58c-9c6f7fd1e438</a>	
4010 Fan, 12v		\$4	<a href="https://www.aliexpress.us/item/3256804671765912.html?spm=a2g0o.detail.0.0.373a233a1tw8P1&amp;gpc-id=pcDetailBottomMoreThisSeller&amp;scm=1007.13339.291025.0&amp;scm_id=1007.13339.291025.0">https://www.aliexpress.us/item/3256804671765912.html?spm=a2g0o.detail.0.0.373a233a1tw8P1&amp;gpc-id=pcDetailBottomMoreThisSeller&amp;scm=1007.13339.291025.0&amp;scm_id=1007.13339.291025.0</a>	
ptfe tube, 4mm OD, 2mm ID, 1m long		\$3	<a href="https://www.aliexpress.us/item/3256801260455800.html?spm=a2g0o.productlist.0.0.2026ae5dazGy7&amp;algo_pvid=0639a7fe-f6ca-44de-a5b5-7c456010bd0d&amp;algo_exp_id=0639a7fe-f6ca-44de-a5b5-7c456010bd0d">https://www.aliexpress.us/item/3256801260455800.html?spm=a2g0o.productlist.0.0.2026ae5dazGy7&amp;algo_pvid=0639a7fe-f6ca-44de-a5b5-7c456010bd0d&amp;algo_exp_id=0639a7fe-f6ca-44de-a5b5-7c456010bd0d</a>	
Motor Wires, 50cm, xh2.54		\$5	<a href="https://www.aliexpress.us/item/2251832624960694.html?spm=a2g0o.productlist.0.0.6b5217adtaty76&amp;algo_pvid=4613d991-0865-4c0b-acc9-c85067e5f788&amp;algo_exp_id=4613d991-0865-4c0b-acc9-c85067e5f788">https://www.aliexpress.us/item/2251832624960694.html?spm=a2g0o.productlist.0.0.6b5217adtaty76&amp;algo_pvid=4613d991-0865-4c0b-acc9-c85067e5f788&amp;algo_exp_id=4613d991-0865-4c0b-acc9-c85067e5f788</a>	
12v 17a 200w Meanwell (\$36)	smallest for heated bed might be too small			<a href="https://www.amazon.com/MEAN-WELL-LRS-150-12-Single-Switchable/dp/B08151G8L">https://www.amazon.com/MEAN-WELL-LRS-150-12-Single-Switchable/dp/B08151G8L</a>
12v 12.5a 150w Meanwell (\$25)				<a href="https://www.amazon.com/MEAN-WELL-LRS-150-12-Single-Switchable/dp/B08151G8L">https://www.amazon.com/MEAN-WELL-LRS-150-12-Single-Switchable/dp/B08151G8L</a>
Tiny M 6mm bed with mains heater (\$63)	don't have mounting yet		<a href="https://www.aliexpress.us/item/3256802660304098.html?gatewayAdapt=glo2usa4itemAdapt&amp;randl_shipito=US">https://www.aliexpress.us/item/3256802660304098.html?gatewayAdapt=glo2usa4itemAdapt&amp;randl_shipito=US</a>	
Solid State Relay	Go quality			
<b>TOTAL USD</b>		<b>\$261.44</b>	*doesn't include 24v	