

VALKYRIE V2 - HW BOM

Part Type	Description	Cut length	Quantity Required	Pack Order Qty	Pack Price \$USD	*Cost Price \$USD	Order Link
Bearings	05x16x5 Bearing 625ZZ		30	3	\$ 6	\$ 18	625ZZ - 10PCS
Bearings	08x16x5 Bearing 688ZZ		2	1	\$ 5	\$ 5	688ZZ - 10PCS
Bearings	16x400 DBX Draw Slides		2	1	\$ 18	\$ 18	C: Buffer 16in - 40cm
Bearings	04.5mm Bearing Ball		1	1	\$ 4	\$ 4	OD: 4.5mm G100 - N: 10PCS
Bearings	06x17x6 Bearing F606ZZ		24	2	\$ 5	\$ 11	F606ZZ - 10PCS
Bearings	M4x10mm Ball Bearing tapped		3	1	\$ 6	\$ 6	M4x10 Ball Bearing - 20PCS
Bearings	MGN 12H 350 Linear Rail		3	3	\$ 40	\$ 119	C: L350 - MGN12H - PL None
Bearings	MGN 12H 400 Linear Rail		2	2	\$ 36	\$ 72	C: L400 - MGN12H - PL Light
Bearings	MGN 9H 400 Linear Rail		1	1	\$ 34	\$ 34	C: L400 - MGN9H - PL Medium
Collar	05x10 D5 Shaft Collar DIN 705		1	1	\$ 4	\$ 4	ID: 5x10x6xM3
Electrical	Buildplate Heater Pad 300x300 750w		1	1	\$ 78	\$ 78	300x300 750W - 120V/220V - NO GLUE!
Electrical	DHT 22 temp/humid sensor		1	1	\$ 4	\$ 4	C: 1PC DHT22 AM2302
Electrical	ESP32 + Expansion Board		1	1	\$ 7	\$ 7	ESP32 + Expansion Board Combo
Electrical	Fan - CPAP Blower Robo		1	1	\$ 10	\$ 10	FAN STYTJ02YM
Electrical	GX20 flange mount & Plug 10pin		1	1	\$ 3	\$ 3	Color: 10Pin
Electrical	GX20 flange mount & Plug 6pin		1	1	\$ 2	\$ 2	Color: 6Pin
Electrical	Heater - Cartridge Heater 24v 70W		1	1	\$ 2	\$ 2	C: 1PC 24V 70W
Electrical	Heater - PTC 24V 300W dbx		1	1	\$ 15	\$ 15	Color: 24V 300W
Electrical	Load Cell 5kg		1	1	\$ 4	\$ 4	Adafruit Industries LLC 4541
Electrical	Load cell amplifier		1	1	\$ 12	\$ 12	SparkFun Electronics 13879
Electrical	Nema 17 40mm Z motor		3	1	\$ 25	\$ 25	C: 17HS16 2004S1
Electrical	Nema 17 48 S55 AB motor		2	2	\$ 14	\$ 28	C: 17HS19-2504S
Electrical	Temp Sensor PT 1000		1	1	\$ 12	\$ 12	HT PT1000 Thermistor
GT	GT1.5 Timing Belt AB EPDM 9mm		5	1	\$ 26	\$ 26	W: 9mm-EPDM L: 5M
GT	GT1.5 Timing Pulley 26T 11mm		2	2	\$ 2	\$ 4	BD: 5mm-Pulley BW: 10mm T: 26T
GT	GT2 Pulley 20T 11mm		6	1	\$ 12	\$ 12	BD: 5mm BW: 10mm N: 10PCS
GT	GT2 Gearset 20T(5mm)-80T(5mm) - W: 6mm - 200		3	3	\$ 16	\$ 48	BD: 20T(5mm)-80T(5mm) - W: 6mm-200
GT	GT2 Timing Belt Z EPDM 9mm		4	1	\$ 25	\$ 25	W: red 9mm-EPDM L: 5M
Magnet	Magnet 06x05 SamCo HT		4	1	\$ 9	\$ 9	Color: 6x5mm (10Pcs)
Magnet	Magnet 20mm 10kg		6	1	\$ 9	\$ 9	Color: 6PCS S: A20
Magnet	Magnet Keeper 20x3		6		\$ -	\$ -	
Melt zone	Extruder - BIQU H2 V2X		1	1	\$ 40	\$ 40	BTT H2 V2X Extruder
Melt zone	Fan - CPAP Tube 125C+		1	1	\$ 35	\$ 35	PFA HT CPAP TUBE
Nut	M3 Hammer Nut		96	1	\$ 5	\$ 5	S: M3 - Color: 100PCS
Nut	M3 Nut DIN 934		41	2	\$ 1	\$ 2	S: 25pcs M3
Nut	M3 Nut Locknut DIN 985		11	2	\$ 1	\$ 2	S: 10pcs M3
Nut	M4 Nut DIN 934		8	1	\$ 1	\$ 1	S: 25pcs M4
Nut	M4 Nut Locknut		17	2	\$ 1	\$ 2	S: 10pcs M4
Nut	M5 Hammer Nut		185	2	\$ 5	\$ 10	S: M5 - Color: 100PCS
Nut	M5 Nut DIN 934		27	2	\$ 1	\$ 2	S: 25pcs M5
Nut	M5 Nut Locknut		13	2	\$ 1	\$ 2	S: 10pcs M5
Plastic	Window 300x300x3mm - Polycarbonate Sheet	286	2	1	\$ 18	\$ 18	S: 300x300x3mm2
Plate	Buildplate 350x350x8 cast 5083	350	1	1	\$ 70	\$ 70	Source locally or ask MELLOW
Plumbing	04mm ID Barb 1/4"		3	3	\$ 2	\$ 7	S: 4mm Barb - TS: 1/4"
Plumbing	06mm ID Barb 1/4"		3	3	\$ 2	\$ 7	S: 6mm Barb - TS: 1/4"
Plumbing	Extruder radiator 30x30x9.5		1	1	\$ 14	\$ 14	C: 30x30
Plumbing	LC - Fan - 120mm		1	1	\$ 5	\$ 5	P16 RGB Silent Fan 120mm
Plumbing	LC - Flowmeter		1	1	\$ 35	\$ 35	Flow Liquid Monitoring LSJ-ZNBJ
Plumbing	LC - Pump		1	1	\$ 40	\$ 40	C: 65mm-Black
Plumbing	LC - Radiator 240mm		1	1	\$ 30	\$ 30	AS120-T 120mm radiator 22mm
Plumbing	LC - Tubing 4x6 mm IDxOD 5M		3	1	\$ 5	\$ 5	C: 4x6mm - L: 5M
Plumbing	LC - Tubing 6x8mm IDxOD 5M		2	1	\$ 5	\$ 5	C: 6x8mm - L: 3M
Plumbing	M5-6 OD Elbow Fitting		2	2	\$ 3	\$ 7	C: WX-KPC4-M5
Profile	15x15x1 Aluminum Tube L: 230mm	230	4	2	\$ 4	\$ 8	L: 500mm - S: 15x15x1mm
Profile	2020 Joining Plate 90 Deg		2	1	\$ 9	\$ 9	Color: 2020 (4pcs)
Profile	2028 L-Bracket		34	4	\$ 5	\$ 22	Color: 10PCS 2028 Silver
Profile	20x20x1 Aluminum Tube L: 410mm	410	1	1	\$ 4	\$ 4	L: 500mm - S: 20x20x1mm
Profile 2020	X Profile Top Rear	420	1	1	\$ 12	\$ 12	Color: L 420mm - 2020
Profile 2020	Z Center Rear	368	1	1	\$ 11	\$ 11	Color: L 368mm - 2020
Profile 2020	Z Center Rear Top	172	1	1	\$ 9	\$ 9	Color: L 172mm - 2020
Profile 2040	X Length Profile	420	4	4	\$ 15	\$ 60	Color: L 420mm - 2040
Profile 2040	Y Length Profile	480	4	4	\$ 16	\$ 64	Color: L 480mm - 2040
Profile 2040	Z Height Profile	750	4	4	\$ 40	\$ 160	Color: L 750mm - 2040
Screw	M3x03 Set Screw DIN 913		7	1	\$ 2	\$ 2	S: 50pcs M3 - L: 3mm
Screw	M3x08 BH ISO 7380		18	1	\$ 2	\$ 2	S: 25pcs M3 - L: 8mm
Screw	M3x08 FH DIN 7991		16	1	\$ 1	\$ 1	S: 25pcs M3 - L: 8mm
Screw	M3x08 SH DIN 912 ISO 4762		112	3	\$ 2	\$ 6	S: 10pcs M3 - L: 8mm
Screw	M3x10 SH DIN 912 ISO 4762		45	5	\$ 2	\$ 10	S: 10pcs M3 - L: 10mm
Screw	M3x12 SH DIN 912 ISO 4762		12	1	\$ 2	\$ 2	S: 10pcs M3 - L: 12mm
Screw	M3x20 SH Din 912		7	1	\$ 2	\$ 2	S: 10pcs M3 - L: 20mm
Screw	M4x14 SH DIN 912 ISO 4762		3	1	\$ 1	\$ 1	S: 10pcs M3 - L: 14mm
Screw	M4x16 D5 Shoulder Screw		6		\$ 1	\$ -	S: D5-M4 L: 16
Screw	M4x20 FH DIN 7991		4	1	\$ 2	\$ 2	S: 10pcs M4 - L: 20mm
Screw	M4x25 FH DIN 7991		3	1	\$ 2	\$ 2	S: 10pcs M4 - L: 25mm
Screw	M4x35 HEX ISO 4017 DIN 933		2	1	\$ 3	\$ 3	S: 10PCS M4 - L: 35mm
Screw	M4x50 FH DIN 7991		4	1	\$ 3	\$ 3	S: 10pcs M4 - L: 50mm
Screw	M4x55 D5 Shoulder Screw		4	1	\$ 5	\$ 5	S: 5PCS 5-M4 - L: 55mm
Screw	M5x10 BH ISO 7380	155	16	\$ 2	\$ 32	\$ 32	S: 10pcs M5 - L: 10mm
Screw	M5x16 BH ISO 7380		3	1	\$ 2	\$ 2	S: 10pcs M5 - L: 16mm
Screw	M5x20 BH ISO 7380		4	1	\$ 2	\$ 2	S: 10pcs M5 - L: 20mm
Screw	M5x20 HEX ISO 4017 DIN 933		3	1	\$ 3	\$ 3	S: 10Pcs M5 - L: 20mm
Screw	M5x30 BH ISO 7380		4	1	\$ 2	\$ 2	S: 10pcs M5 - L: 30mm
Screw	M5x30 HEX ISO 4017 DIN 933		2	1	\$ 3	\$ 3	S: 10Pcs M5 - L: 30mm
Screw	M5x40 HEX ISO 4017 DIN 933		44	5	\$ 3	\$ 17	S: 10Pcs M5 - L: 40mm
Screw	M5x55 HEX ISO 4017 DIN 933		16	2	\$ 4	\$ 7	S: 10Pcs M5 - L: 55mm
Screw	M6x10 BH ISO 7380		6	1	\$ 2	\$ 2	S: 10pcs M6 - L: 10mm
Shaft	03x25 Bearing shaft		1	1	\$ 2	\$ 2	D: 10PCS M3 - L: 25mm
Shaft	05x40 Bearing Shaft		4	1	\$ 11	\$ 11	S: 5x40 - 20PCS
Shaft	05x50 Bearing Shaft		6	1	\$ 12	\$ 12	S: 5x50 - 20PCS
Shaft	06x25 Bearing Shaft		4	1	\$ 7	\$ 7	6x25 - 20PCS
Shaft	06x40 Bearing Shaft		8	1	\$ 9	\$ 9	6x40 - 20PCS
Shaft	08x400 Stainless Steel Rod - Door Link		1	1	\$ 6	\$ 6	L: 400 D: 8mm
Shim	M5x08x1 Precision Shim		30	1	\$ 3	\$ 3	M5x8x1mm - 50PCS
Shim	M6x12x1 Precision Shim		36	1	\$ 3	\$ 3	ID: M6x12x50PCS OD: 1mm
Shim	M8x14x1 Precision Shim		2	1	\$ 4	\$ 4	ID: M8x14x50PCS OD: 1mm
Spring	07x10 Spring 0.4 WD		2	1	\$ 3	\$ 3	L: 10mm(10pcs) - WD: 0.4 - OD: 7mm
Washer	M3 Washer DIN 125		82	2	\$ 1	\$ 2	ID: M3 50pcs
Washer	M4 Washer DIN 125		17	1	\$ 2	\$ 2	ID: M4 50pcs
Washer	M5 Washer DIN 125		168	4	\$ 2	\$ 7	ID: M5 50pcs
Price exl Taxes						\$ 1,509	*shipping cost may vary