

	Screws and nuts:			
	diameter , length	quantity	Description	Link
	M4x10mm	20		
	M3x8mm	50		
	M3x14mm	30		
	M3 nut	10		
	M3x25mm	10		
	M2x10mm	10		
	M3x16mm	10		
	M3x6mm	10		
	M3x12mm	30		
	M3x35mm	10		
	M4x16mm	30		
	M4x14mm	10		
	M4x50mm	10		
	Gearboxes:			
Name in building instructions	Type	quantity	Description	Link
Gearbox 20:1	Nema 17 20:1 EG precision planetary	2		
Gearbox 10:1	Nema 17 10:1 EG precision planetary	1		
	Motors:			
Name in building instructions	Type	quantity	Description	Link
Stepper 1	Nema 17 16Ncm,42x42x20mm	1		
Stepper 2	Nema 17 45Ncm,42x42x40mm	3		
Stepper 3	Nema 17 65Ncm,42x42x60mm	2		
	Belts:			
Name in building instructions	Type	quantity	Description	Link
Joint 1 belt	HTD3 396	1	6 mm width	
Joint 3 belt	HTD3 342	1	6 mm width	
Joint 4 belt	HTD3 201	1	6 mm width	
Joint 5 belt	HTD3 246	1	6 mm width	
	Pulleys:			
Name in building instructions	Type	quantity	Description	Link
J4 pulley, J5 pulley	HTD3M 12 tooth 5mm bore 10mm width	2		
J1 pulley	HTD3M 15 tooth 5mm bore 10mm width	1		
	Mechanical stuff:			
Name in building instructions	Type	quantity	Description	Link
Shaft coupler	Shaft coupler	3	8 mm hole shaft, M4 screw holes	
	Bearings:			
Name in building instructions	Type	quantity	Description	Link
Bearing 1	AXK3552	1	35X52X4	
Bearing 2	NSK HR32906J	5	Joint 5, 4 and 3	
Bearing 3	NSK HR32907J	4	Joint 1 and 2	
Tension bearing	Ball bearing 3x8x4	20	Used for belt tension	
Tension bearing	Ball bearing 3x10x4	20	Used for belt tension	
	Electronics:			
Name in building instructions	Type	quantity	Description	Link
	PAROL control board	1	source-robotics.com	Link
	On/Off button	1	12mm 3-6V	Link
	Noctua NF-A4x20 5V 40mm	1		
	Power connector - male + female	1	GX16 2PIN	
	Gripper connector (electric)	1	M8 sensor Female 4 pin	Link
	Power supply	1	Any 24V 5A supply	
	Limit switches	3	Type ZW12-3	
	Inductive sensor 1	1	4mm NPN NO	Link
	Inductive sensor 2	1	GX-F8A	Link
	Inductive sensor 3	1	M5, NPN NO	Link
	Estop	1	19mm	
	Pneumatic connector - robot	4	4 mm type PM	
	Pneumatic Gripper	1	MHZ2-16D	
	Pneumatic gripper connector	2	PC4 - M5	
	Pneumatic tube	5 meters	1 meter, 4x2.5mm	
	xt30 connector female	1	used to deliver power to PAROL6 PCB	
	Stlink	1	Used to program PAROL6 control board	
	USB B cable	1	Comms to the PC	
	5/2 solenoid air valve	1		
	Consumables			
Name in building instructions	Type	quantity	Description	Link