This file contains all the parts you need to build PAROL6 robot!

Most items have links where you can buy the item, and some of them are affiliate links.

Items like screws, belts and bearings can be bought locally or from many other vendors.

	Screws and nuts:			
	diameter , length	quantity	Description	Link
	M4x10mm	20	DIN 912 / ISO 4762 (hexagon socket head cap)	
	M3x8mm	10	2 mm head height	
	M3x8mm	50		
		-	DIN 912 / ISO 4762 (hexagon socket head cap)	
	M3x14mm	30	DIN 912 / ISO 4762 (hexagon socket head cap)	
	M3 nut	10	DIN 912 / ISO 4762 (hexagon socket head cap)	
	M3x25mm	10	DIN 912 / ISO 4762 (hexagon socket head cap)	
	M2x10mm	10	DIN 912 / ISO 4762 (hexagon socket head cap)	
	M3x16mm	10	DIN 912 / ISO 4762 (hexagon socket head cap)	
	M3x6mm	10	Pan head phillips	
	M3x12mm	30	DIN 912 / ISO 4762 (hexagon socket head cap)	
	M3x35mm	10	DIN 912 / ISO 4762 (hexagon socket head cap)	
	M4x16mm	30	DIN 912 / ISO 4762 (hexagon socket head cap)	
	M4x14mm	10	DIN 912 / ISO 4762 (hexagon socket head cap)	
	M4x50mm	10	DIN 912 / ISO 4762 (hexagon socket head cap)	
	M3x15mm	2	Tapered screw head	
	Gearboxes:	_	Taperod octon mode	
No. of the Hall of the Asset of			Description of the second of t	11.1
Name in building instructions	Туре	quantity	•	Link
For cheaper gearbox options you can use MG series		ut are cheaper.	<u>Link</u>	Aliexpress Link
Gearbox 20:1	Nema 17 20:1 EG precision planetary	2	<u>Link</u>	Aliexpress Link
Gearbox 10:1	Nema 17 10:1 EG precision planetary	1	Link	Aliexpress Link
	Motors:			
Name in building instructions	Туре	quantity	Description	Link
		quantity 1		
Stepper 1	Nema 17 16Ncm,42x42x20mm	l .	Link	Aliexpress Link
Stepper 2	Nema 17 45Ncm,42x42x40mm	3	<u>Link</u>	Aliexpress Link
Stepper 3	Nema 17 65Ncm,42x42x60mm	2	<u>Link</u>	Aliexpress Link
	Belts:			
Name in building instructions	Туре	quantity	Description	Link
Joint 1 belt	HTD3 396	1	6 mm width	Link
	•	1		
Joint 3 belt	HTD3 342	<u> </u>	6 mm width	Link
Joint 4 belt	HTD3 201	1	6 mm width	<u>Link</u>
Joint 5 belt	HTD3 246	1	6 mm width	<u>Link</u>
	Pulleys:			
Name in building instructions	Туре	quantity	Description	Link
J4 pulley, J5 pulley	HTD3M 12 tooth 5mm bore 10mm width	2		Link
04 paney, 00 paney				
Id acciliant				
J1 pulley	HTD3M 15 tooth 5mm bore 10mm width	1		<u>Link</u>
J1 pulley	HTD3M 15 tooth 5mm bore 10mm width Mechanical stuff:	1		
J1 pulley Name in building instructions		quantity	Description	Link
	Mechanical stuff:		Description 8 mm hole shaft, M4 screw holes	
Name in building instructions	Mechanical stuff: Type Shaft coupler	quantity		Link
Name in building instructions Shaft coupler	Mechanical stuff: Type Shaft coupler Bearings:	quantity 3	8 mm hole shaft, M4 screw holes	Link
Name in building instructions Shaft coupler Name in building instructions	Mechanical stuff: Type Shaft coupler Bearings: Type	quantity 3 quantity	8 mm hole shaft, M4 screw holes Description	Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552	quantity 3 quantity 1	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate	Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J	quantity 3 quantity 1 5	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3	Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J	quantity 3 quantity 1 5	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J	quantity 3 quantity 1 5 4 20	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension	Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J	quantity 3 quantity 1 5	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2	Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4	quantity 3 quantity 1 5 4 20	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics:	quantity 3 quantity 1 5 4 20 20	8 mm hole shaft, M4 screw holes Description 35x52x4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x844 Ball bearing 3x10x4 Electronics: Type	quantity 3 quantity 1 5 4 20 20 quantity	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board	quantity 3 quantity 1 5 4 20 20 quantity	8 mm hole shaft, M4 screw holes Description 35x52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description source-robotics.com	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160	quantity 3 quantity 1 5 4 20 20 quantity 1 6	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Privers from the links are tested. Use any other at own risk: Link1	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC\$160 Thermal paste	quantity 3 quantity 1 5 4 20 20 quantity 1 6 2	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers!	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160	quantity 3 quantity 1 5 4 20 20 quantity 1 6	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Privers from the links are tested. Use any other at own risk: Link1	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC\$160 Thermal paste	quantity 3 quantity 1 5 4 20 20 quantity 1 6 2	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers!	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button	quantity 3 quantity 1 5 4 20 20 quantity 1 6 2	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXX3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2. Omm 200mm 4PIN Noctua NF-A4x20 5V 40mm	quantity 3 quantity 1 5 4 20 20 quantity 1 6 2 1	8 mm hole shaft, M4 screw holes Description 35x52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female	quantity 3 quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Privers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8v4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connector (electric)	quantity 3 quantity 1 5 4 20 20 quantity 1 1 6 2 1 1 1 1	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connector (electric) Power supply	quantity 3 quantity 1 5 4 20 20 quantity 1 1 6 2 1 1 1 1 1	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V.5A supply	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connector (electric) Power supply Limit switches	quantity 3 quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 3	8 mm hole shaft, M4 screw holes Description 35x52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V 5A supply Type ZW12-3	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connector (electric) Power supply	quantity 3 quantity 1 5 4 20 20 quantity 1 1 6 2 1 1 1 1 1	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V.5A supply	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connector (electric) Power supply Limit switches	quantity 3 quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 3	8 mm hole shaft, M4 screw holes Description 35x52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V 5A supply Type ZW12-3	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-44x20 5V 40mm Power connector - male + female Gripper connector (electric) Power supply Limit switches Inductive sensor 1 Inductive sensor 2	quantity 3 quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 1 3 1	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V 5A supply Type ZW12-3 4mm NPN NO GX-F8A	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-Ax20 5V 40mm Power connector - male + female Gripper connector (electric) Power supply Limit switches Inductive sensor 1 Inductive sensor 2 Inductive sensor 2	quantity 3 quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V 5A supply Type 2W12-3 4mm NPN NO GX-F8A M5, NPN NO	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connector (electric) Power supply Limit switches Inductive sensor 1 Inductive sensor 2 Inductive sensor 3 Estop	quantity 3 quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 mm hole shaft, M4 screw holes Description 35x52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V 54 supply Type ZW12-3 4mm NPN NO GX-F8A M5, NPN NO Any NC estop	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connector (electric) Power supply Limit switches Inductive sensor 1 Inductive sensor 2 Inductive sensor 3 Estop Cable gland for estop	quantity 3 quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 mm hole shaft, M4 screw holes Description 35x52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V 5A supply Type ZW12-3 4mm NPN NO GX-F8A M5, NPN NO Any NC estop PG7 type	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connector (electric) Power supply Limit switches Inductive sensor 1 Inductive sensor 2 Inductive sensor 3 Estop Cable gland for estop M3 brass insert	quantity 3 quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V 5A supply Type ZW12-3 4mm NPN NO GX-F8A M5, NPN NO Any NC estop PG7 type M3, 6mm lenght	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connector (electric) Power supply Limit switches Inductive sensor 1 Inductive sensor 2 Inductive sensor 3 Estop Cable gland for estop	quantity 3 quantity 1 5 4 20 20 quantity 1 1 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V 5A supply Type ZW12-3 4mm NPN NO GX-F8A M5, NPN NO Any NC estop PG7 type M3, 6mm lenght 4 mm type PM	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connector (electric) Power supply Limit switches Inductive sensor 1 Inductive sensor 2 Inductive sensor 3 Estop Cable gland for estop M3 brass insert	quantity 3 quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V 5A supply Type ZW12-3 4mm NPN NO GX-F8A M5, NPN NO Any NC estop PG7 type M3, 6mm lenght	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connector (electric) Power supply Limit switches Inductive sensor 1 Inductive sensor 3 Estop Cable gland for estop M3 brass insert Pneumatic connector - robot Pneumatic Gripper	quantity 3 quantity 1 5 4 20 20 quantity 1 1 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V 5A supply Type ZW12-3 4mm NPN NO GX-F8A M5, NPN NO Any NC estop PG7 type M3, 6mm lenght 4 mm type PM	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXX3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connector (electric) Power supply Limit switches Inductive sensor 1 Inductive sensor 2 Inductive sensor 3 Estop Cable gland for estop M3 brass insert Pneumatic cripper Pneumatic Gripper Pneumatic Gripper Pneumatic Gripper Pneumatic Gripper Pneumatic Gripper Pneumatic gripper connector	quantity 3 quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 mm hole shaft, M4 screw holes Description 35x52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V 5A supply Type ZW12-3 4mm NPN NO GX-F8A M5, NPN NO Any NC estop PG7 type M3, 6mm lenght 4 mm type PM MHZZ-16D PC4 - M5	Link Link Link Link Link Link Link Link
Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connector (electric) Power supply Limit switches Inductive sensor 1 Inductive sensor 2 Inductive sensor 3 Estop Cable gland for estop M3 brass insert Pneumatic Gripper	quantity 3 quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 mm hole shaft, M4 screw holes Description 36X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V 5A supply Type ZW12-3 4mm NPN NO GX-F8A M5, NPN NO Any NC estop PG7 type M3, 6mm lenght 4 mm type PM MHZ2-16D PC4 - M5 1 meter, 4x2.5mm	Link Link Link Link Link Link Link Link
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Name in building instructions Shaft coupler Name in building instructions Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Mechanical stuff: Type Shaft coupler Bearings: Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x844 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connector (electric) Power supply Limit switches Inductive sensor 1 Inductive sensor 2 Inductive sensor 3 Estop M3 brass insert Pneumatic Gripper Pneumatic uble xt30 connector female	quantity 3 quantity 1 5 4 20 20 20 quantity 1 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 mm hole shaft, M4 screw holes Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V 5A supply Type ZW12-3 4mm NPN NO GX-F8A M5, NPN NO Any NC estop PG7 type M3, 6mm lenght 4 mm type PM MHZZ-16D PC4 - M5 1 meter, 4x2.5mm used to deliver power to PAROL6 PCB	Link Link Link Link Link Link Link Link
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