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:				
			Description	Limb	Alfanastina linka
	diameter , length M4x10mm	quantity 20	DIN 912 / ISO 4762 (hexagon socket head cap)	Link	Alternative links
	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)		
		10			
	M4x50mm	2	DIN 912 / ISO 4762 (hexagon socket head cap)		
	M3x15mm	2	Tapered screw head		
	Gearboxes:				Alternative (Note these gearboxes have bigger
	L	l		l	backslash and in turn your robot will be less precise if
Name in building instructions	Туре	quantity	Description	Link	you use them)
Gearbox 20:1	Nema 17 20:1 EG precision planetary	2	Link	Link	Link
Gearbox 10:1	Nema 17 10:1 EG precision planetary	1	Link	<u>Link</u>	<u>Link</u>
	Motors:				
Name in building instructions	Туре	quantity	Description	Link	
Stepper 1	Nema 17 16Ncm,42x42x20mm	1	Link	Link	
Stepper 2	Nema 17 45Ncm,42x42x40mm	3	Link	Link	
Stepper 3	Nema 17 45Ncm,42x42x460mm	2	Link	Link	
	Belts:	-			
Name in building instructions		quantity	Description	Link	
Name in building instructions	Type	quantity	Description	Link	
Joint 1 belt	HTD3 396	l:	6 mm width	Link	
Joint 3 belt	HTD3 342	1	6 mm width	Link	
Joint 4 belt	HTD3 201	1	6 mm width	Link	
Joint 5 belt	HTD3 246	1	6 mm width	Link	
	Pulleys:				
Name in building instructions	Туре	quantity	Description	Link	
J4 pulley, J5 pulley	HTD3M 12 tooth 5mm bore 10mm width	2		Link	
J1 pulley	HTD3M 15 tooth 5mm bore 10mm width	1		Link	
	Mechanical stuff:				
Name in building instructions	Туре	quantity	Description	Link	
Name in building instructions		quantity 3	8 mm hole shaft, M4 screw holes		
Shaft coupler	Shaft coupler	3	6 mm note shart, w4 screw notes	Link	
	Bearings:				
Name in building instructions	Туре	quantity	Description	Link	
Bearing 1	Type AXK3552	1	35X52X4, needs to have top and bottom plate	<u>Link</u>	
Bearing 1 Bearing 2	Type AXK3552 NSK HR32906J	5	35X52X4, needs to have top and bottom plate Joint 5, 4 and 3	Link Link	
Bearing 1	Type AXK3552	1 5 4	35X52X4, needs to have top and bottom plate	<u>Link</u>	
Bearing 1 Bearing 2	Type AXK3552 NSK HR32906J	1 5 4 20	35X52X4, needs to have top and bottom plate Joint 5, 4 and 3	Link Link	
Bearing 1 Bearing 2 Bearing 3	Type AXK3552 NSK HR32906J NSK HR32907J	1 5 4	35X52X4, needs to have top and bottom plate Joint 5, 4 and 3 Joint 1 and 2	Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing	Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4	1 5 4 20	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	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics:	1 5 4 20 20	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	
Bearing 1 Bearing 2 Bearing 3 Tension bearing	Type AXK3552 AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x0x4 Electronics: Type	1 5 4 20	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	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board	1 5 4 20 20 quantity 1	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-robolics.com	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AKK3552 AKK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160	1 5 4 20 20 20 quantity 1 6	35X52X4, needs to have top and bottom plate Joint 1, 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	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 AXK3552 AXK3652 AXK HR32906J AXK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste	1 5 4 20 20 20 quantity 1 6 2	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	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 AXK3552 AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button	1 5 4 20 20 20 quantity 1 6 2 1 1	35X52X4, needs to have top and bottom plate Joint 1, 4 and 3 Joint 2 and 2 Used for belt tension Used for belt tension Description Source-robolics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers1 12mm 3-6V	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AKK3552 AKK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2/mm 200mm 4PIN	1 5 4 20 20 quantity 1 6 6 2 1 1 1	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	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 AXK3552 AXK HR32906J AXK 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	1 5 4 20 20 20 quantity 1 6 2 2 1 1 1 1	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	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AKK3552 AKK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2/mm 200mm 4PIN	1 5 4 20 20 quantity 1 6 6 2 1 1 1	35X52X4, needs to have top and bottom plate Joint 1, 4 and 3 Joint 2 and 2 Used for belt tension Used for belt tension Description Source-robolics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers1 12mm 3-6V	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 AXK3552 AXK HR32906J AXK 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	1 5 4 20 20 20 quantity 1 6 2 2 1 1 1 1	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	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 AXK3552 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 Notus NF-A4x20 5v 40mm Power connector - male + female	1 5 4 20 20 20 quantity 1 6 2 1 1 1 1 1	35X52X4, needs to have top and bottom plate Joint 1, 4 and 3 Joint 2, 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	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AKK3552 AKK3552 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)	1 5 5 4 20 20 20 quantity 1 6 2 1 1 1 1 1 1 1 1 1	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-robolics.com Drivers from the links are tested. Use any other at own risk: Link1 Needd 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	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 AXK3552 AXK3652 AXK HR32906J 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 - male + female Gripper connector (electric) Power supply	1 5 4 20 20 20 4 1 1 1 1 1 1 1 1 1 1	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 drivers1 12mm 3-6V For power button GX16 ZPIN M8 sensor Female 4 pin Any 24V 5A supply	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 NSK HR3290RJ NSK HR3290RJ 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 SV 40mm Power connector - male + female Gripper connector (electric) Power supply Limit switches	1 5 4 4 20 20 20 quantity 1 6 6 2 2 1 1 1 1 1 1 1 1 1 3 3	35X52X4, needs to have top and bottom plate Joint 1, 4 and 3 Joint 2, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robolics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers1 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V 5A supply Type ZW12-3 4mm NPN NO	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 AXK3552 AXK3652 AXK HR32906J 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 1	1 5 4 20 20 20 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3SX52X4, 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 drivers1 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	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 AXK3552 AXK3552 AXK3652 AXK HR3290RJ 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 2 Inductive sensor 3	1 5 4 4 20 20 20 quantity 1 6 6 2 2 1 1 1 1 1 1 3 3 1 1 1 1 1 1 1 1 1 1	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 drivers1 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	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AKK3552 AKK3552 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 - male + female Gripper connector (electric) Power supply Limit switches Inductive sensor 1 Inductive sensor 2 Inductive sensor 3 Estop	1 5 5 4 4 20 20 20 quantity 1 6 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	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-robolics.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-FBA M5, NPN NO Any NC estop	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type	1 5 4 20 20 20 quantity 1 6 6 2 1 1 1 1 1 3 3 1 1 1 1 1 1 1 1 1 1 1 1	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 drivers1 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	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type	1 5 5 4 4 20 20 20 quantity 1 6 6 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	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	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AKK3552 AKK3552 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 Ma) brass insert Pneumatic connector - robot	1 5 5 4 4 20 20 20 quantity 1 6 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 4 4 4	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 Used for belt tension Description Source-robolics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers1 12mm 3-6V For power button GX16 2PIN M8 sensor Female 4 pin Any 24V 5A supply Type ZW12-3 4mm NPN NO GX-FBA M5, NPN NO Any NC estop PG7 type M3, 6mm lenght 4 mm type PM	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type	1 5 5 4 20 20 20 4 20 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 4 4 1 1 1 1 5 5 5 5	3SX52X4, 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 drivers1 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 mt type PM MHZ2-16D	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type	1 5 5 4 4 20 20 20	35X52X4, needs to have top and bottom plate Joint 1, 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 MHIZ2-18D PC4 - M5	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AKK3552 AKK3552 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 May brass insert Pneumatic connector - robot Pneumatic Gripper connector Pneumatic Gripper connector Pneumatic Gripper connector Pneumatic Gripper connector	1 5 5 4 20 20 20 4 20 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 4 4 1 1 1 1 5 5 5 5	35X52X4, needs to have top and bottom plate Joint 1, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Used for belt tension Description Source-robolics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers1 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 M13, 6mm lenght 4 mm type PM MHZ2-16D PC4 - M5 1 meter, 4x2.5mm	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type	1	3SX52X4, 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 drivers1 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 Any NC estop PG7 type M3, 6mm lenght 4mt 22-16D PC4 - M5 I meter, 4x2.5mm used to deliver power to PAROL6 PCB	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AKK3552 AKK3552 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 May brass insert Pneumatic connector - robot Pneumatic Gripper connector Pneumatic Gripper connector Pneumatic Gripper connector Pneumatic Gripper connector	1 5 5 4 4 20 20 20 quantity 1 6 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	35X52X4, needs to have top and bottom plate Joint 1, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Used for belt tension Description Source-robolics.com Drivers from the links are tested. Use any other at own risk: Link1 Needed only if your control board has no drivers1 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 M13, 6mm lenght 4 mm type PM MHZ2-16D PC4 - M5 1 meter, 4x2.5mm	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type	1	3SX52X4, 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 drivers1 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 Any NC estop PG7 type M3, 6mm lenght 4mt 22-16D PC4 - M5 I meter, 4x2.5mm used to deliver power to PAROL6 PCB	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type	1 5 5 4 4 20 20 20 quantity 1 6 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	35X52X4, needs to have top and bottom plate Joint 1, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robolics.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 MH22-16D PC4 - M5 1 meter, 4x2.5mm used to deliver power to PAROL6 PCB Use linkl Pin order needs to be: SWCLK,SWDIO,GND,3V3,5V Comms to the PC	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type	1 5 4 4 20 20 20 20 20 20 20 20 20 20 20 20 20	35X52X4, needs to have top and bottom plate Joint 1, 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 CX16 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 used to deliver power to PAROL6 PCB Use link! Pin order needs to be: SWCLK,SWDIO,GND,3V3,5V	Link Link Link Link Link Link Link Link	
Bearing 2 Bearing 3 Tension bearing Tension bearing Name in building instructions	Type	1 5 4 4 20 20 20 20 20 20 20 20 20 20 20 20 20	35X52X4, needs to have top and bottom plate Joint 1, 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 CX16 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 used to deliver power to PAROL6 PCB Use link! Pin order needs to be: SWCLK,SWDIO,GND,3V3,5V Comms to the PC 4mm tube connectors, 5/2, 24V	Link Link Link Link Link Link Link Link	
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AKK3552 AKK3552 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 2 Inductive sensor 1 Inductive sensor 2 Estop Cable gland for estop Ma) brass insert Pneumatic connector - robot Pneumatic Gripper Pneumatic Speer onnector	1 5 5 4 4 20 20 20 quantity 1 6 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	35X52X4, needs to have top and bottom plate Joint 1, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robolics.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 MH22-16D PC4 - M5 1 meter, 4x2.5mm used to deliver power to PAROL6 PCB Use linkl Pin order needs to be: SWCLK,SWDIO,GND,3V3,5V Comms to the PC	Link Link Link Link Link Link Link Link	
Bearing 2 Bearing 3 Tension bearing Tension bearing Name in building instructions	Type	1 5 5 4 20 20 20 20 20 20 20 20 20 20 20 20 20	35X52X4, needs to have top and bottom plate Joint 1, 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 CX16 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 used to deliver power to PAROL6 PCB Use link! Pin order needs to be: SWCLK,SWDIO,GND,3V3,5V Comms to the PC 4mm tube connectors, 5/2, 24V	Link Link Link Link Link Link Link Link	
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