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		2 mm head height	
	M3x8mm		DIN 912 / ISO 4762 (hexagon socket head cap)	
	M3x14mm		DIN 912 / ISO 4762 (hexagon socket head cap)	
	M3 nut		DIN 912 / ISO 4762 (hexagon socket head cap)	
	M3x25mm		DIN 912 / ISO 4762 (hexagon socket head cap)	
	M2x10mm		DIN 912 / ISO 4762 (hexagon socket head cap)	
	M3x16mm		DIN 912 / ISO 4762 (hexagon socket head cap)	
	M3x6mm		Pan head phillips	
	M3x12mm		DIN 912 / ISO 4762 (hexagon socket head cap)	
	M3x35mm		DIN 912 / ISO 4762 (hexagon socket head cap)	
	M4x16mm		DIN 912 / ISO 4762 (hexagon socket head cap)	
	M4x14mm		DIN 912 / ISO 4762 (hexagon socket head cap)	
	M4x50mm		DIN 912 / ISO 4762 (hexagon socket head cap)	
	M3x15mm	2	Tapered screw head	
	Gearboxes:			
Name in building instructions	Туре	quantity	Description	Link
Gearbox 20:1	Nema 17 20:1 EG precision planetary	2	<u>Link</u>	<u>Link</u>
Gearbox 10:1	Nema 17 10:1 EG precision planetary		Link	Link
	Motors:			
Name in building instructions	Туре	quantity	Description	Link
	Nema 17 16Ncm,42x42x20mm		Link	Link
	Nema 17 45Ncm,42x42x20mm		Link	Link
Stepper 3	Nema 17 45Ncm,42x42x40mm		Link	Link
		2	<u>CHIK</u>	<u>CHIK</u>
	Belts:		Description	Date
	Type	quantity	Description	Link
	HTD3 396		6 mm width	
Joint 3 belt	HTD3 342		6 mm width	<u>Link</u>
Joint 4 belt	HTD3 201		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
J1 pulley	HTD3M 15 tooth 5mm bore 10mm width	1		<u>Link</u>
	Mechanical stuff:			
Name in building instructions	Туре	quantity	Description	Link
Shaft coupler	Shaft coupler		8 mm hole shaft, M4 screw holes	Link
	Bearings:	-		
Name in building instructions	Tyne	quantity	Description	l ink
	Type AYK3552	quantity	Description 35Y52Y4, peeds to have top and bottom plate	Link
Bearing 1	AXK3552	1	35X52X4, needs to have top and bottom plate	<u>Link</u>
Bearing 1 Bearing 2	AXK3552 NSK HR32906J	1 5	35X52X4, needs to have top and bottom plate Joint 5, 4 and 3	<u>Link</u> <u>Link</u>
Bearing 1 Bearing 2 Bearing 3	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	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	AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8v4 Ball bearing 3x10x4	1 5 4 20	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 Tension bearing	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 Tension bearing	AXK3652 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type	1 1 5 4 20 20 quantity	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	AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics:	1 1 5 4 20 20 quantity	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
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	AXK3652 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type	1 1 5 4 20 20 quantity	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
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board	1 1 5 4 20 20 quantity	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 Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other	Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	AXK3552 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 5, 4 and 3 Joint 1 and 2 Used for belt tension Used for belt tension Description Source-robotics.com Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy your control board.	Link Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	AXK3562 AXK36562 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste	1 1 5 4 4 20 20 20 20 4 4 5 5 6 6 2 2 6 6 6 7 5 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	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 Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy your control board 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	AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button	quantity 1 6 2 1 6 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 Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy your control board! Needed only if your control board has no drivers! 12mm 3-6V	Link Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing Name in building instructions	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	1 1 5 4 4 20 20 20 20 4 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 Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy your control board 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 Name in building instructions	AXK3562 AXK3652 NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2 Dmm 200mm 4PIN Noctua NF-A4x20 5V 40mm	1 1 5 4 20 20 20 4 1 6 2 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 Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy your control board! 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 Name in building instructions	AXK3562 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 1 6 2 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 Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy 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 Name in building instructions	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)	1 1 5 4 20 20 20 20 4 1 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 Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy your control board! 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 Name in building instructions	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	1 1 5 4 4 20 20 20 20 4 1 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-robotics.com Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy your control board has no drivers! YEMP SOURCE	Link Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing Name in building instructions	AXK3562 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 (electric) Power supply Limit switches	quantity 1 6 2 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 Used for belt tension Description Source-robotics.com Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy your control board! 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
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Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing Name in building instructions	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 1	1 1 5 4 4 20 20 20 20 20 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 Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy your control board! Needed only if your control board has no drivers! 12mm 3-6V For power button GX.16 2PIN M8 sensor Female 4 pin Any 24V 5A supply Type ZW12-3 Humn NPN NO GX-F8A	Link Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing Name in building instructions	AXK3562 AXK3562 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	quantity quantity 1 6 2 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 Used for belt tension Description Source-robotics.com Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy your control board! Needed only if your control board has no drivers! 12mm 3-6V For power button GX16 2PIN MS sensor Female 4 pin Any 24V 5A supply Type ZW12-3 4mm NPN NO GX-F8A MS, NPN NO	Link Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing Name in building instructions	AXK3562 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	quantity quantity 1 6 2 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 Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy 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
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing Name in building instructions	AXK3552 AXK HR32905J 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	1 1 5 4 4 20 20 20 20 20 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 Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy your control board! 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 Amm 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 Name in building instructions	AXK3562 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	1 1 5 4 4 20 20 20 20 20 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 Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy 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
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing Name in building instructions	AXK3552 AXK HR32905J 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 quantity 1 6 22 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 Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy your control board! 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 Amm 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 Name in building instructions	AXK3562 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 - maile + 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 connector - robot	quantity quantity 1 6 2 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 Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy 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 Name in building instructions	AXK3522 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 3 Estop Cable gland for estop M3 brass insert Pneumatic Gripper Pneumatic Gripper Pneumatic Gripper Pneumatic Gripper	quantity quantity 1 6 22 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 Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy 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 PG7 type M3, 6mm lenght 4 mm type PM MHZ2-16D	Link Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing Name in building instructions	AXK3562 AXK3562 AXK36562 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 connect or (electric) Power supply Limit switches Inductive sensor 1 Inductive sensor 2 Inductive sensor 3 Estop Cable gland for estop M3 brass insert Pneumatic Gripper connector	quantity quantity 1 6 22 1 1 1 1 1 1 1 1 1 1 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 Description Source-robotics.com Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy your control board Needed only if your control board Ne	Link Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing Name in building instructions	AXK3562 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 - maie + female Gripper connector (electric) Power supply Limit switches Inductive sensor 1 Inductive sensor 2 Inductive sensor 2 Inductive sensor 3 Estop Cable gland for estop M3 Drass insert Pneumatic Gripper Pneumatic Gripper Pneumatic Gripper Pneumatic Gripper connector	quantity quantity 1 6 2 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 Used for belt tension Description Source-robotics.com Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy 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	Link Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing Name in building instructions	AXK3562 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 3 Estop Cable gland for estop M3 brass insert Pneumatic Gripper Pneumatic Gripper Pneumatic Gripper connector Pneumatic tube xt30 connector female	quantity quantity 1 6 2 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 Used for belt tension Description Source-robotics.com Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy 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 PG7 type M3, 6mm lenght 4 mm type PM MHZ2-16D PC4- M5	Link Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing Name in building instructions	AXK3562 AXK3562 AXK3652 AXK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Effectronics: Type PAROL control board TMC5160 Thermal paste On/Off button JST PH 2.Dmm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connect or (electric) Power supply Limit switches Inductive sensor 1 Inductive sensor 1 Inductive sensor 2 Inductive sensor 3 Estop Cable gland for estop M3 brass insert Pneumatic connector - robot Pneumatic Gripper Pneumatic gripper connector Pneumatic gripper Pneumatic gripper connector Pneumatic under sensor Stifick Stifick	quantity quantity 1 6 2 1 1 1 1 1 1 1 1 1 1 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-robotics.com Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy 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 fype M3, 6mm lenght 4 mm type PM MH22-16D PC4 - M5 I meter, 4x2.5mm used to deliver power to PAROL6 PCB Use link! Pin order needs to be: SWCLK,SWDIO,GN	Link Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing Name in building instructions	AXK3562 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 1 Inductive sensor 2 Inductive sensor 3 Estop Cable gland for estop M3 brass insert Pneumatic Gripper Pneumatic Gripper connector Pneumatic Gripper connector Pneumatic University Stink V330 connector female Stlink USB B abble	quantity quantity 1 6 2 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 Used for belt tension Description Source-robotics.com Needed only if your control board has no drivers! YOU NEED EXACTLY THESE DRIVERS! Any other will destroy 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 used to deliver power to PAROL6 PCB Use link! Pin order needs to be: SWCLK,SWDIO,GN Comms to the PC	Link Link Link Link Link Link Link Link
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