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)	
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	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	1	<u>Link</u>	<u>Link</u>
	Motors:			
Name in building instructions	Туре	quantity	Description	Link
Stepper 1	Nema 17 16Ncm,42x42x20mm	1	Link	Link
	Nema 17 45Ncm,42x42x40mm	3	Link	Link
Stepper 2	Nema 17 45Ncm,42x42x40mm Nema 17 65Ncm,42x42x60mm	2	Link	Link
Stepper 3		2	LINK	LINK
	Belts:			
Name in building instructions	Туре	quantity	Description	Link
Joint 1 belt	HTD3 396	1	6 mm width	
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	2 con paon	Link
		1		<del>1</del>
J1 pulley	HTD3M 15 tooth 5mm bore 10mm width	1		Link
	Mechanical stuff:			
Name in building instructions	Туре	quantity	Description	Link
Shaft coupler	Shaft coupler	3	8 mm hole shaft, M4 screw holes	Link
	Pagringo			
	Bearings:			
Name in building instructions	Type	quantity	Description	Link
Name in building instructions Bearing 1		quantity 1	Description 35X52X4, needs to have top and bottom plate	Link Link
Bearing 1	Type AXK3552	1	35X52X4, needs to have top and bottom plate	Link
Bearing 1 Bearing 2	<b>Type</b> AXK3552 NSK HR32906J	1 5	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	Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4	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 Tension bearing	Type 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 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 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 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board	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 Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type	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 Description	Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board	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 Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type  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!	Link Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type  AXX3552  NSK HR32906J  NSK HR32907J  Ball bearing 3x8x4  Ball bearing 3x10x4  Electronics:  Type  PAROL control board  TMC5160  On/Off button	1 5 4 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! 12mm 3-6V	Link 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  TMC5160  On/Off button  JST PH 2_0mm 200mm 4PIN  Noctua NF-A4x20 5V 40mm	1 5 4 20 20 quantity 1 6 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! 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 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female	1 5 4 20 20 quantity 1 6 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! 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  AXK3552  NSK HR32906J  NSK HR32907J  Ball bearing 3x8x4  Ball bearing 3x10x4  Electronics:  Type  PAROL control board  TMC5180  On/Off button  JST PH 2.0mm 200mm 4PIN  Noctua NF-A4x20 5V 40mm  Power connector - male + female  Gripper connector (electric)	1 5 4 4 20 20 20 quantity 1 6 6 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! 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  AXX3552  NSK HR32906J  NSK HR32907J  Ball bearing 3x8x4  Ball bearing 3x10x4  Electronics:  Type  PAROL control board  TMC5160  On/Off button  JST PH 2.0mm 200mm 4PIN  Noctua NF-A4x20 5V 40mm  Power connector - male + female  Gripper connector (electric)  Power supply	1 5 4 4 20 20 20 quantity 1 1 6 6 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 Used for belt tension  Description source-robotics.com 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
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 TMC5160 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	1 5 4 20 20 20 quantity 1 6 6 1 1 1 1 1 1 3	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! 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
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 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	1 5 4 20 20 20 quantity 1 6 1 1 1 1 1 1 1 3 3 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! 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 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 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	1 5 4 4 20 20 20 quantity 1 6 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! 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 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 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	1 5 4 20 20 20 quantity 1 6 1 1 1 1 1 1 1 3 3 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! 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 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 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	1 5 4 4 20 20 20 quantity 1 6 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! 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 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 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	1 5 4 4 20 20 20 quantity 1 6 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 Used for belt tension  Description Source-robotics.com 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
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 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 Pneumatic connector - robot	1 5 4 4 20 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  Description Source-robotics.com 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 4 mm type PM	Link Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 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 Pneumatic Connector - robot Pneumatic Gripper	1 5 4 4 20 20 20 quantity 1 6 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! 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 4 mm type PM MHZ2-16D	Link 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 TMC5160 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 Pneumatic Gripper Pneumatic Gripper Pneumatic Gripper Pneumatic Gripper Pneumatic Gripper	1 5 5 4 4 20 20 20 quantity 1 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! 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 4 mt type PM MHZZ-16D PC4 - M5	Link 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  TMC5160  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 3  Estop  Pneumatic connector - robot  Pneumatic Gripper  Pneumatic gripper  Pneumatic gripper  Pneumatic gripper  Pneumatic gripper  Pneumatic tube	1 5 5 4 4 20 20 20 <b>quantity</b> 1 1 6 6 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 bett tension Used for bett tension  Description Source-robotics.com 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 4mm NFN NO GX-F8A M5, NPN NO Any NC estop 4mm 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 AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 On/Off button JST PH 2 Omm 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 Pneumatic Gripper Pneumatic Gripper Pneumatic Gripper Pneumatic Gripper Pneumatic Ube xt30 connector female	1 5 4 4 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! 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 4 mm type PM MHZ2-16D 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 AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 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 Inductive sensor 3 Estop Pneumatic connector - robot Pneumatic Gripper Pneumatic gripper connector Pneumatic ube X130 connector female Stiink	1 5 4 4 20 20 20 quantity 1 6 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! 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 4 mm type PM MHZ2-16D PC4 - M5 1 meter, 4x2.5mm used to deliver power to PAROL6 PCB Used to program PAROL6 control board	Link Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 On/Off button JST PH 2 Omm 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 Pneumatic Gripper Pneumatic Gripper Pneumatic Gripper Pneumatic Gripper Pneumatic Ube xt30 connector female	1 5 4 4 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! 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 4 mm type PM MHZ2-16D 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 AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 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 Inductive sensor 3 Estop Pneumatic connector - robot Pneumatic Gripper Pneumatic gripper connector Pneumatic ube X130 connector female Stiink	1 5 4 4 20 20 20 quantity 1 6 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! 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 4 mm type PM MHZ2-16D PC4 - M5 1 meter, 4x2.5mm used to deliver power to PAROL6 PCB Used to program PAROL6 control board	Link Link Link Link Link Link Link Link