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	
		2	Tapered Screw Head	
No. of the W.P. of the Association	Gearboxes:		B	11.1
Name in building instructions	Туре	quantity	Description	Link
Gearbox 20:1	Nema 17 20:1 EG precision planetary	2	Link	Link
Gearbox 10:1	Nema 17 10:1 EG precision planetary	1	<u>Link</u>	Link
	Motors:			
Name in building instructions	Туре	quantity	Description	Link
Stepper 1	Nema 17 16Ncm,42x42x20mm	1	<u>Link</u>	<u>Link</u>
Stepper 2	Nema 17 45Ncm,42x42x40mm	3	<u>Link</u>	<u>Link</u>
Stepper 3	Nema 17 65Ncm,42x42x60mm	2	<u>Link</u>	<u>Link</u>
	Belts:			
Name in building instructions	Туре	quantity	Description	Link
Joint 1 belt	HTD3 396	1	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
boilt o beit	Pulleys:		O THIN WIGHT	LIIIK
Name in building instructions	Type	quantity	Description	Link
	HTD3M 12 tooth 5mm bore 10mm width	2	Description	
J4 pulley, J5 pulley		1		<u>Link</u>
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
		_	O THIT HOLE SHALL, INF SCIEW HOLES	Ellis
	Bearings:		o minimote shart, in a sorew notes	
Name in building instructions	Bearings: Type	quantity	Description	Link
Name in building instructions Bearing 1				
	Туре	quantity	Description	Link
Bearing 1	Type AXK3552	quantity	Description 35X52X4, needs to have top and bottom plate	Link Link
Bearing 1 Bearing 2	<b>Type</b> AXK3552 NSK HR32906J	quantity 1	Description 35X52X4, needs to have top and bottom plate Joint 5, 4 and 3	Link Link Link
Bearing 1 Bearing 2 Bearing 3	<b>Type</b> AXK3552 NSK HR32906J NSK HR32907J	quantity 1 5 4	Description 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 AXX3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4	quantity 1 5 4 20	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
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8x4 Ball bearing 3x10x4 Electronics:	quantity 1 5 4 20 20	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
Bearing 1 Bearing 2 Bearing 3 Tension bearing	Type  AXK3552  NSK HR32906J  NSK HR32907J  Ball bearing 3x8x4  Ball bearing 3x10x4  Electronics:  Type	quantity 1 5 4 20	Description 35X5ZX4, 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
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	quantity 1 5 4 20 20 quantity 1	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
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	quantity 1 5 4 20 20 quantity 1 6	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	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 TMCS160 Thermal paste	quantity 1 5 4 20 20 quantity 1	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
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 Thermal paste On/Off button	quantity 1 5 4 20 20 quantity 1 6 2 1	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
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 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN	quantity 1 5 4 20 20 quantity 1 6	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
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 Thermal paste On/Off button JST PH 2. Omm 200mm 4PIN Noctua NF-A4x20 5V 40mm	quantity 1 5 4 20 20 quantity 1 6 2 1 1 1	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
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type  ARK3552  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 5 4 20 20 quantity 1 6 2 1	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
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 Thermal paste On/Off button JST PH 2.0mm 200mm 4PIN Noctua NF-A4x20 5V 40mm Power connector - male + female Gripper connector (electric)	quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1	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
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  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 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1	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
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  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 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 3	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 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
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  Thermal paste  On/Off button  JST PH 2 Jomm 200mm 4PIN  Noctua NF-A4x20 5V 40mm  Power connector - male + female  Gripper connector (electric)  Power supply  Limit switches  Inductive sensor 1	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	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	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  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 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	Description  35X52X4, needs to have top and bottom plate Joint 5, 4 and 3  Joint 5, 4 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
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  Thermal paste  On/Off button  JST PH 2 Jomm 200mm 4PIN  Noctua NF-A4x20 5V 40mm  Power connector - male + female  Gripper connector (electric)  Power supply  Limit switches  Inductive sensor 1	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	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	Link Link Link Link Link Link Link Link
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type NRK 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	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	Description  35X52X4, needs to have top and bottom plate Joint 5, 4 and 3  Joint 5, 4 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
Bearing 1 Bearing 2 Bearing 3 Tension bearing Tension bearing	Type AXK3552 NSK HR32906J NSK HR32907J Ball bearing 3x8v4 Ball bearing 3x10x4 Electronics: Type PAROL control board TMC5160 Thermal paste On/Off button Jordan Jana Standard TMC5160 Thermal paste On/Off button Jordan Jana S	quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 1 1 1 1	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	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  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 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Description  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	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 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 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	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
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  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 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	Description  35X52X4, needs to have top and bottom plate Joint 5, 4 and 3  Joint 5, 4 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  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  AXX3552  NSK HR32906J  NSK HR32907J  Ball bearing 3x8x4  Ball bearing 3x10x4  Electronics:  Type  PAROL control board  TMC5180  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 Cgripper	quantity 1 5 4 20 20 quantity 1 6 6 2 1 1 1 1 1 1 1 1 1 1 4 4	Description  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  4mm type PM  MHZ2-16D	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  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 connector - robot  Pneumatic Gripper  Pneumatic Gripper  Pneumatic gripper connector	quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 1 4 4 1 2 2	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  MHZ2-16D  PC4 - M5	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 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 connector Pneumatic Gripper	quantity 1 5 4 20 20 quantity 1 6 6 2 1 1 1 1 1 1 1 1 1 4 4 4	Description  35X52X4, needs to have top and bottom plate Joint 5, 4 and 3  Joint 4 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: Linkt  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
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  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  Pneumatic Gripper  Pneumatic Gripper  Pneumatic gripper connector  Pneumatic gripper connector  Pneumatic gripper connector  Pneumatic tube  xt30 connector female	quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 1 4 4 1 2 2	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  MH-Z2-16D 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 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 connector - robot Pneumatic Gripper Pneumatic Gripper Pneumatic gripper connector Pneumatic gripper connector Pneumatic ube xt30 connector female Stlink	quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 1 1 2 5 meters 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Description  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  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 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 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 connector - robot Pneumatic Gripper Pneumatic gripper connector Pneumatic gripper preunetor Pneumatic gripper connector Pneumatic stube xt30 connector female Stlink USB B cable	quantity 1 5 4 20 20 quantity 1 6 2 1 1 1 1 1 1 1 4 4 4 1 2 5 meters 1 1 1 1 1 1	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 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 used to deliver power to PAROL6 PCB Use link! Pin order needs to be: SWCLK,SWDIO,GND,3V3,5V Comms to the PC	Link Link Link Link Link Link Link Link
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