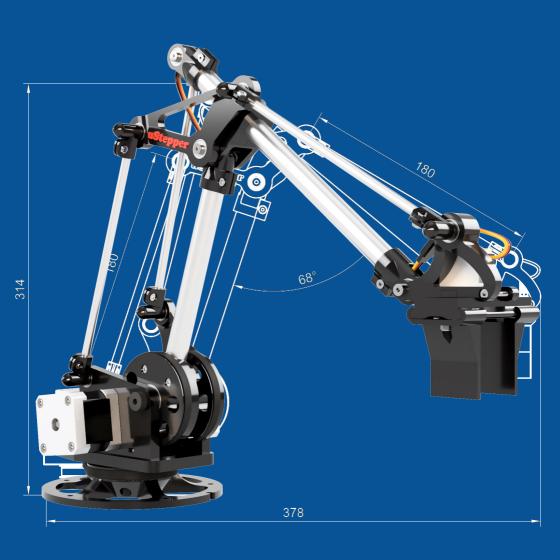
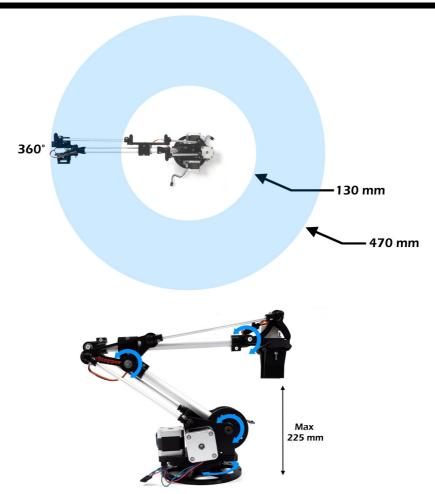
uStepper Robot Arm 4.0

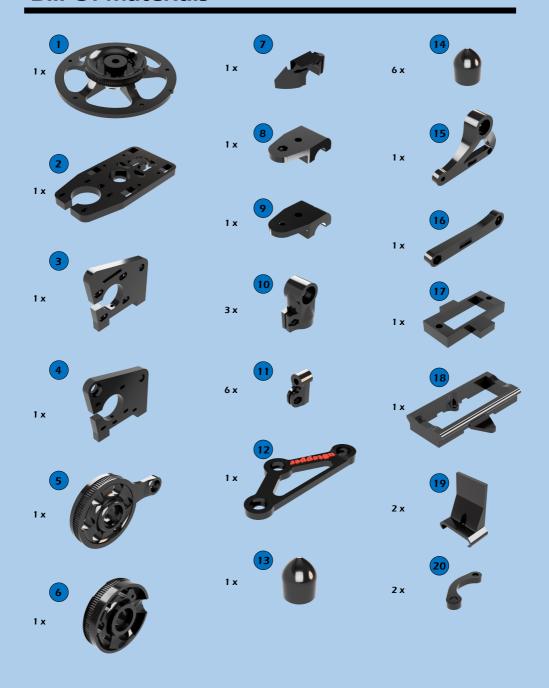


Specifications



Weight (including stepper motors)	1460 g
Material	PLA plastic and Aluminum (tubes)
No. of axes	3
Maximum lift (close to base / furthest from base)	700 g / 350 g
Gear ratios (all axes)	5.1:1
Stepper motor torque	0.42 Nm
Mini servo torque	0.25 Nm @ 5 V

Bill Of Materials



Bill Of Materials





1 x shoulder bolt 7379-8-M6-20



5 x 608ZZ Bearing



12 x 624ZZ Bearing



1 x 51105 Bearing



1 x F8-16M Bearing



3 x GT2 20T motor gear



3 x Belt GT2 228



1 x Tube 15 mm x 225 mm



1 x Tube 15 mm x 155 mm



2 x Tube 6 mm x 170 mm 1 x Tube 6 mm x 180 mm



26 x M3 x 10 mm



7 x M3 x 20 mm



3 x M3 x 25 mm



5 x M4 x 20 mm



3 x M4 x 35 mm



7 x M3 nut



16 x M3 SL nut



8 x M4 SL nut



2 x M6 SL nut



5 x M4 washer



1 x M6 washer



1 x M8 washer

Bill Of Materials



1 x HK15148B Digital MG Servo

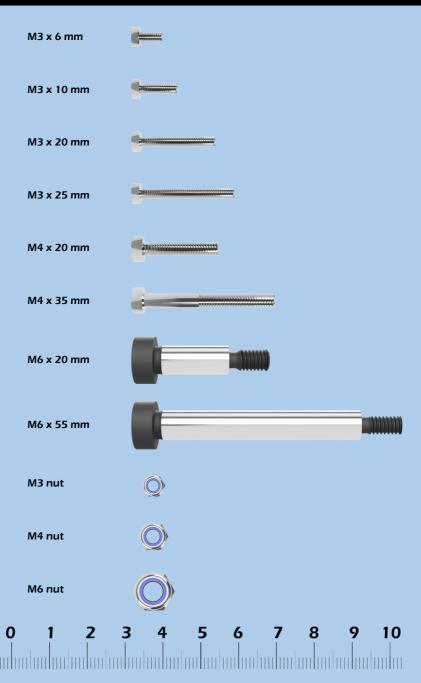


1 x 60 cm Servo Cable

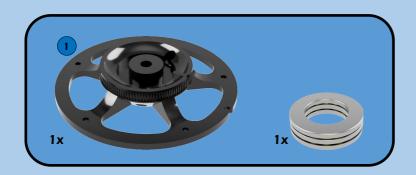


1 x 25T x 20 mm Servo Horn Set

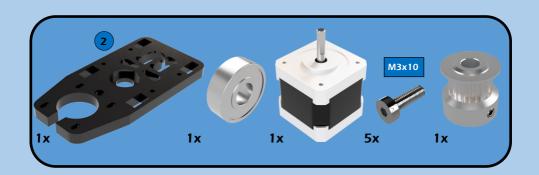
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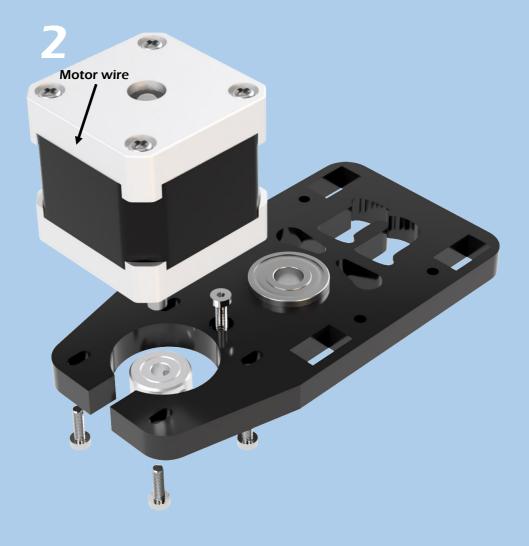


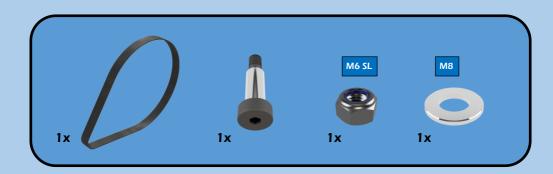
Robot Arm Assembly

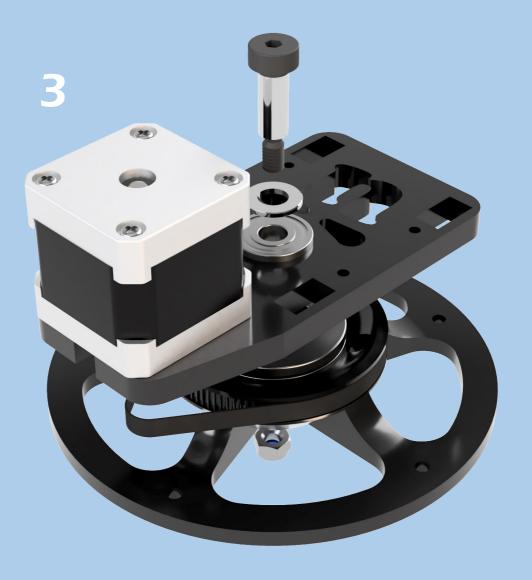


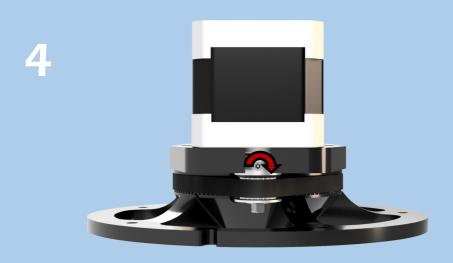


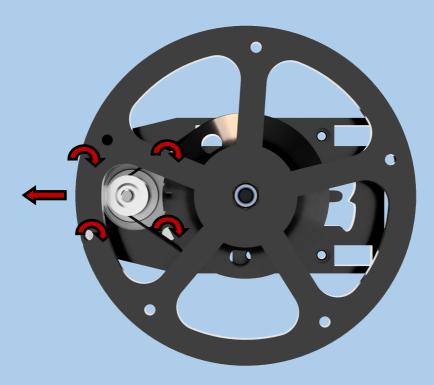




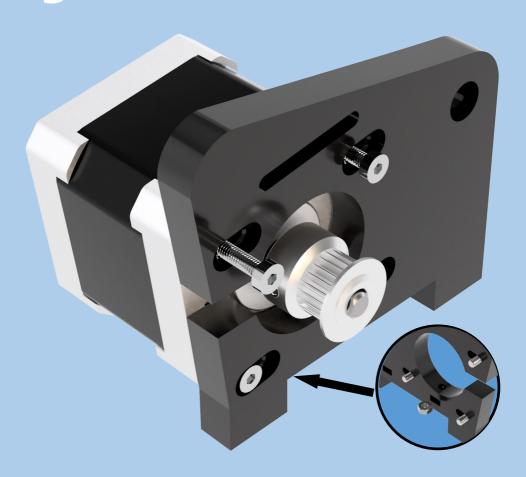






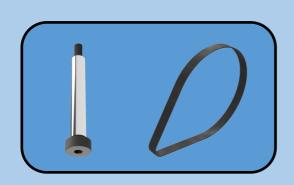


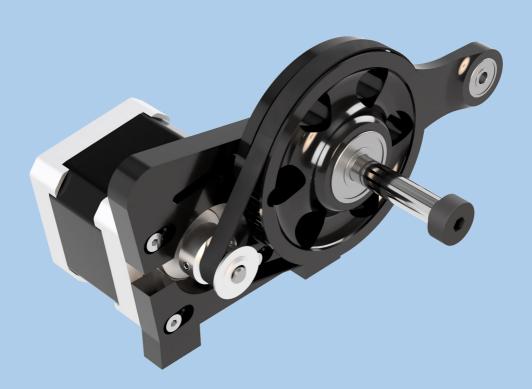


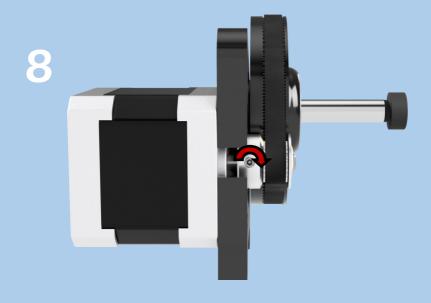




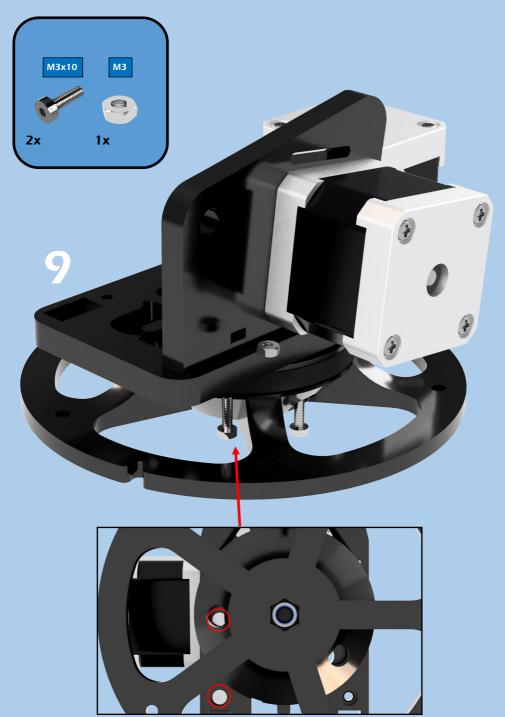




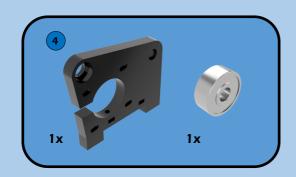








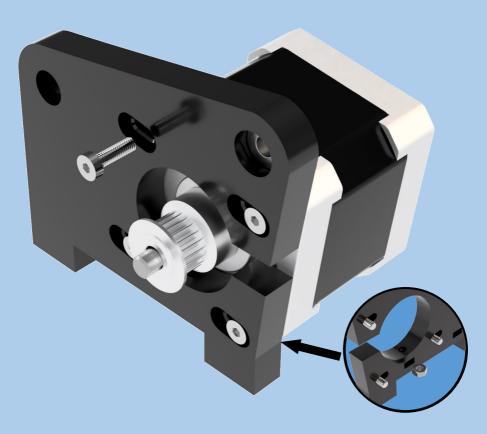
Bottom View

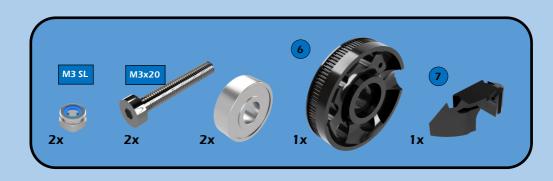




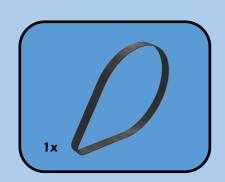




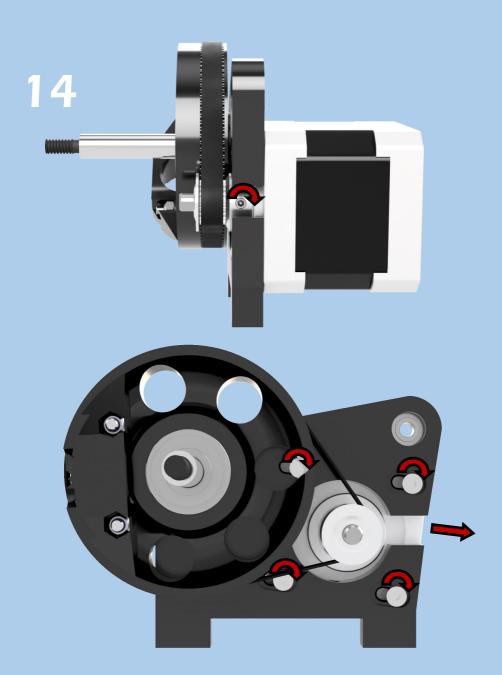


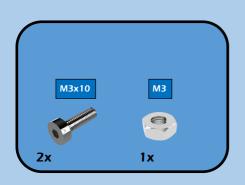






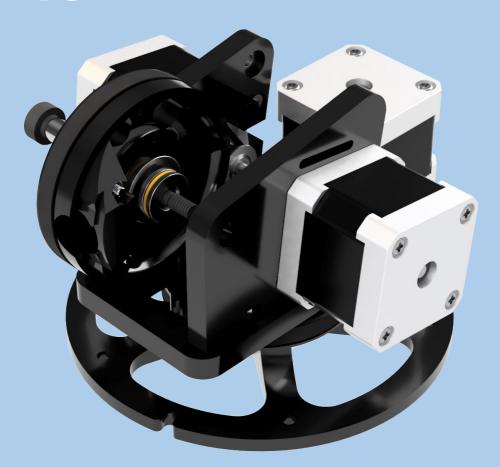


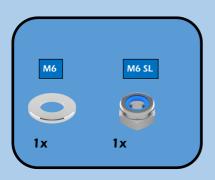










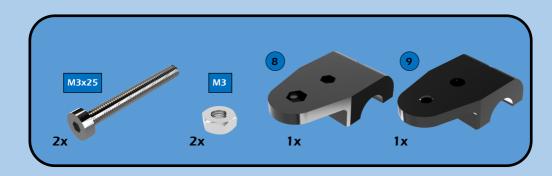




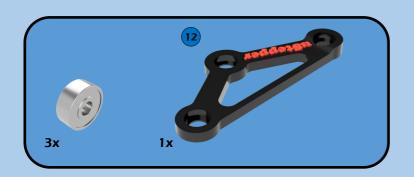




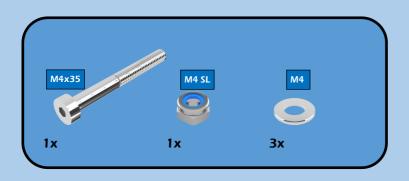




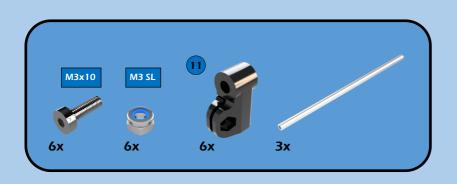


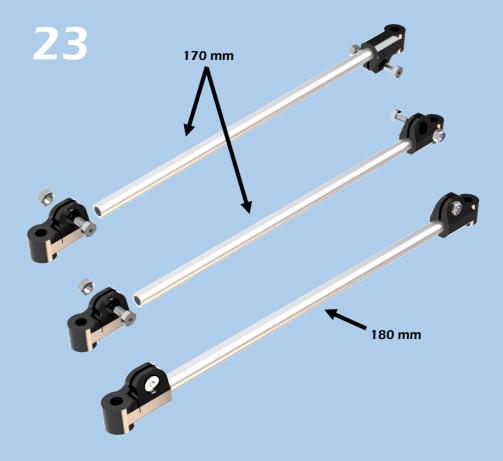




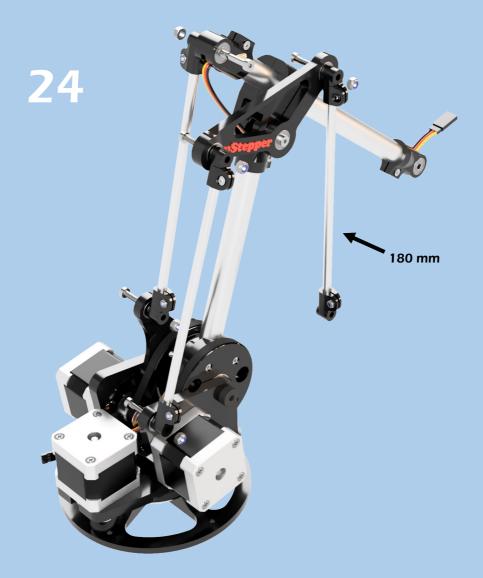






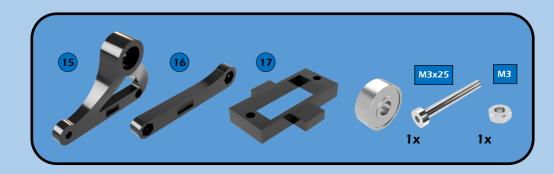


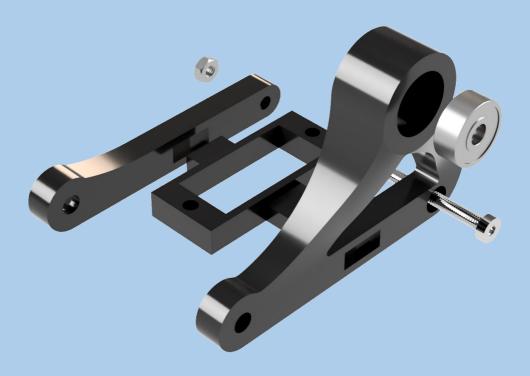




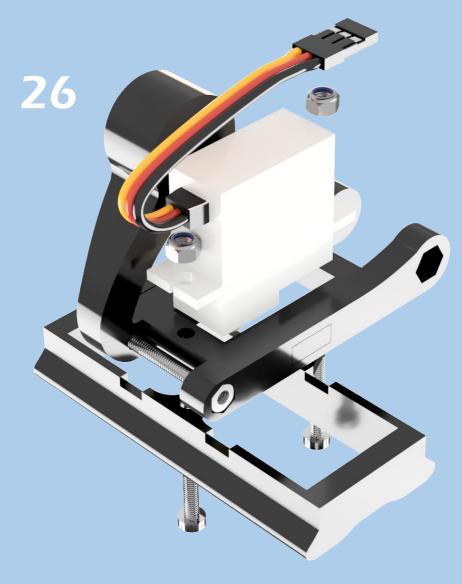


Robot Arm Gripper Assembly

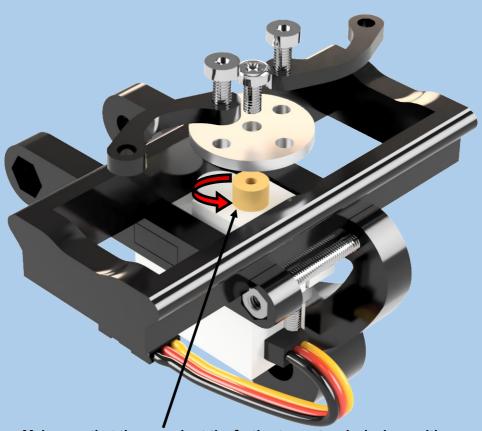






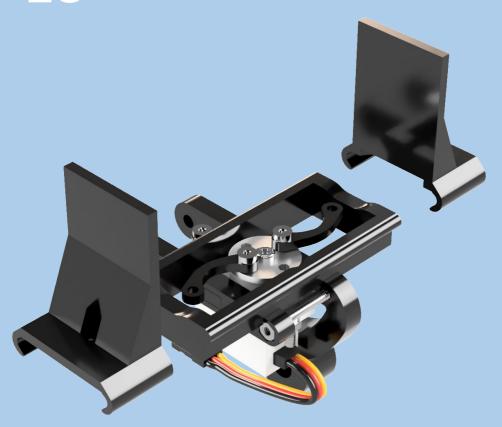


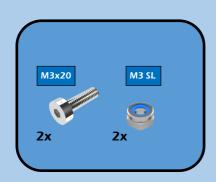


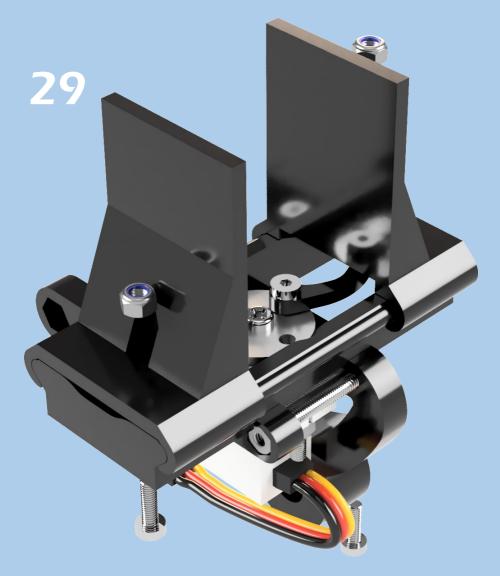


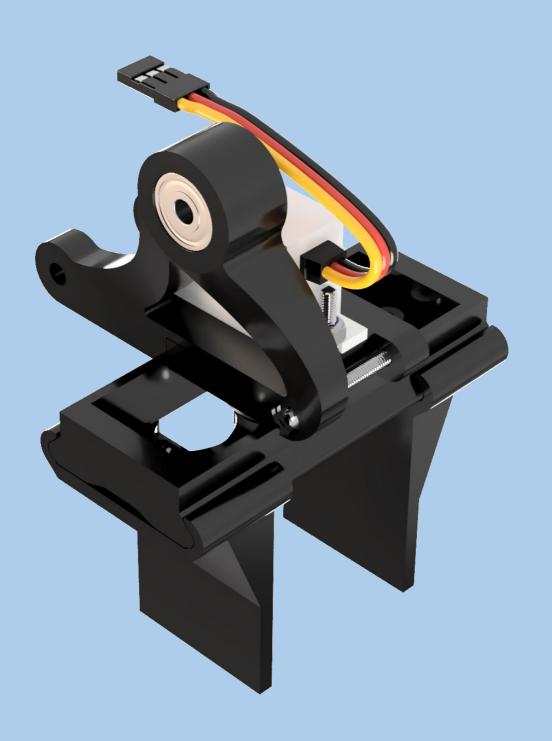
Make sure that the servo is at the furthest counter clockwise position





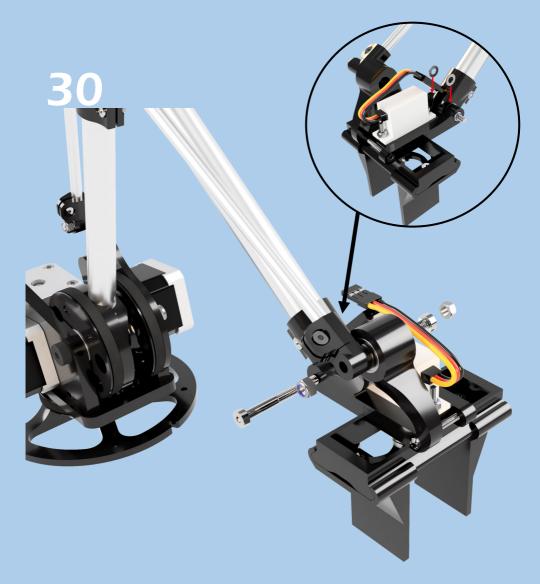


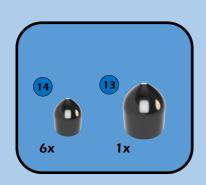




Robot Arm Gripper Mounting











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- 1.2 uStepper ApS and/or ON Development IVS (or any individuals affiliated with either of the two companies) can not be held responsible for any damage inflicted upon assembly of the uStepper Robot Arm. This includes damage to 3D printed parts, which must be considered to be of prototyping quality compared to injection moulded parts. Care must be taken while assembling 3D printed parts, and use of excessive force may lead to damage of the parts.
- 1.3 By using the uStepper products (including, but not limited to, hardware and software) you acknowledge that uStepper ApS and/or ON Development IVS (or any individuals affiliated with either of the two companies) can not be held responsible for any personal injuries and/or damage to any 3rd party hardware that may occur when using the uStepper products.
- 1.4 To the extent permitted by law, uStepper ApS and/or ON Development IVS will not be liable for any indirect or consequential loss or damage, of any kind, (including without limitation loss of business, opportunity, data, profits) arising out of or in connection with the use of any products (including, but not limited to, hardware and software), developed, produced or sold by uStepper ApS and/or ON Development IVS (or any individuals affiliated with either of the two companies).
- 1.5 Nothing in these Terms and Conditions shall be construed so as to hold uStepper ApS and/or ON Development IVS liable for death or personal injury as a result of the negligence of uStepper ApS and/or ON Development IVS or that of its employees or agents.

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3 Severance

If any of these Terms and Conditions should be determined to be invalid, illegal or unenforceable for any reason by any court of competent jurisdiction then such Term or Condition shall be severed and the remaining Terms and Conditions shall survive and remain in full force and effect and continue to be binding and enforceable.

