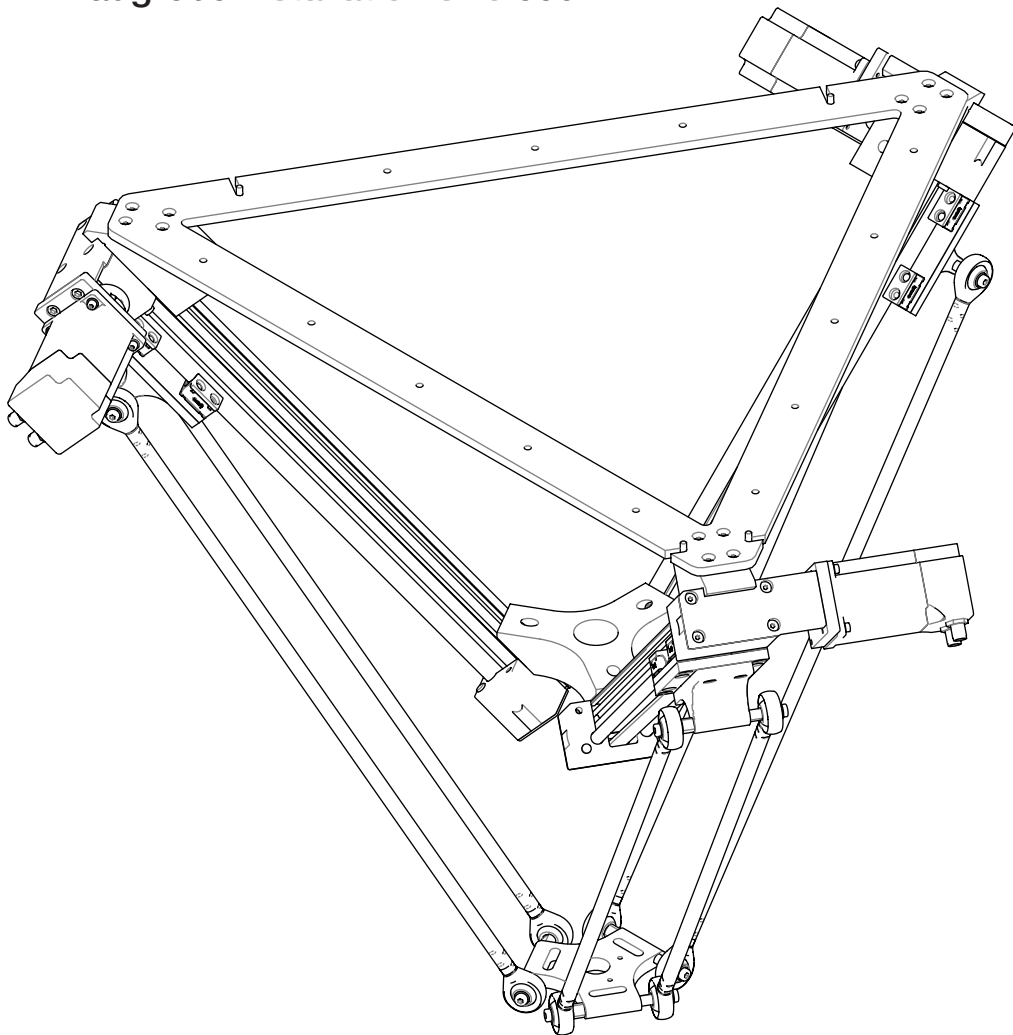


Technische Dokumentation Technical documentation
drylin®

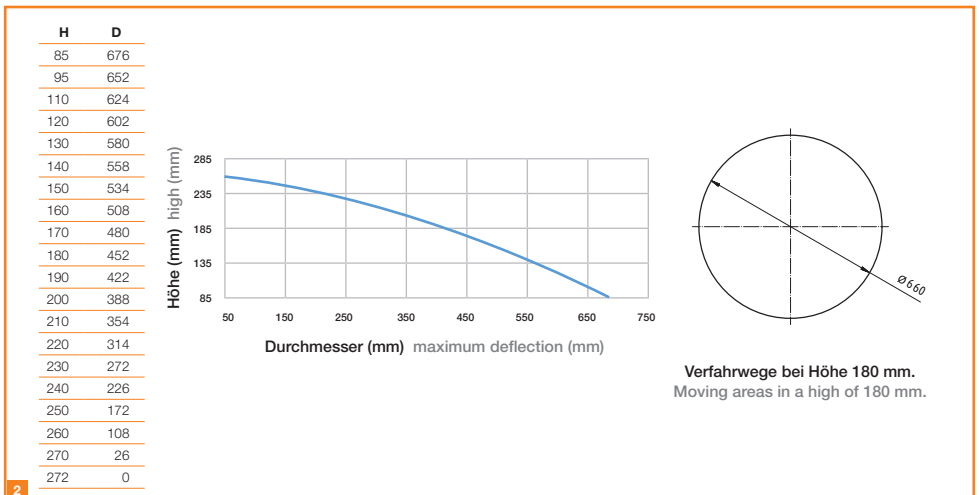
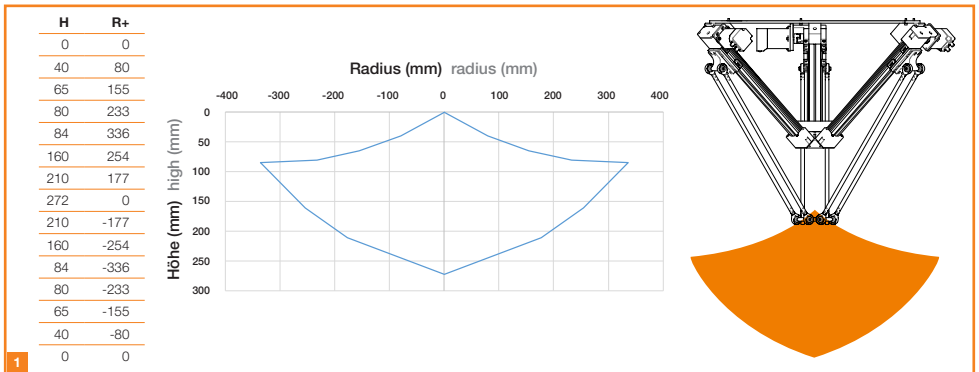
DELTA ROBOT

Baugröße installation size 660



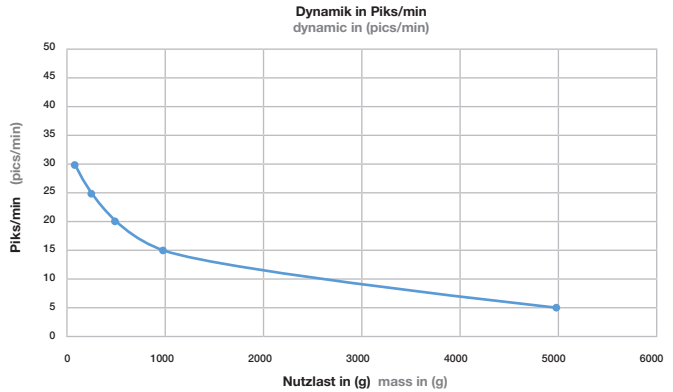
Technische Daten technical datas

Positioniergenauigkeit accuracy	+/- 0,5	[mm]
Arbeitsraumdurchmesser bei 180 [mm] working space diameter at 180 [mm]	660	[mm]
Max. Nutzlast max. payload	5	[kg]
Max. Prozesskraft bei Radius 0 [mm] max. process force 0 [mm]	100	[N]
Dynamik mit dynamics with 500 [g]	min. 30	Picks/min
Eigengewicht mass	16	[kg]
Max. Bahngeschwindigkeit max. track speed	0,7	[m/s]
Max. Beschleunigung max. acceleration	2	[m/s ²]
Schrittmotor NEMA23 XL Stepper motor Nema 23 XL with	24/48 4,2	[V] [A]



minimale Dynamik
minimum dynamics

Nutzlast in (g) mass in (g)	Dynamik in Piks/min dynamic in (pics/min)
100	30
250	25
500	20
1000	15
5000	5

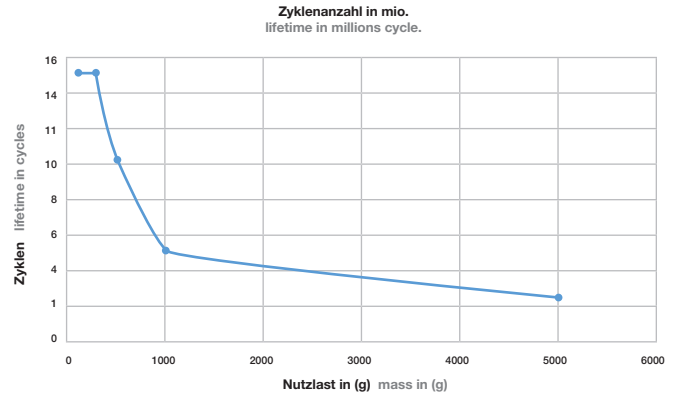


Höchste Pickraten können bei Verwendung von Master Steuerungen mit Bahnplanung erreicht werden. (Z.B. Sinus Beschleunigungsrampen und optimierte Motorregelparameter) Grafik gilt für Lastmotorspannung von 48 [V] und stabilen, schwingungssteifen Profil. You can get the highest (pics/min) by using a master controller with path planing function. (For example, Sinus acceleration ramp and optimized motor control parameters) Graphic as shown apply to a load motor voltage of 48 [V], to a stable and vibration-free frame.

3

minimale Lebensdauer

Nutzlast in (g) mass in (g)	Zyklusanzahl in mio. lifetime in millions cycle.
100	15
250	15
500	10
1000	5
5000	2,5

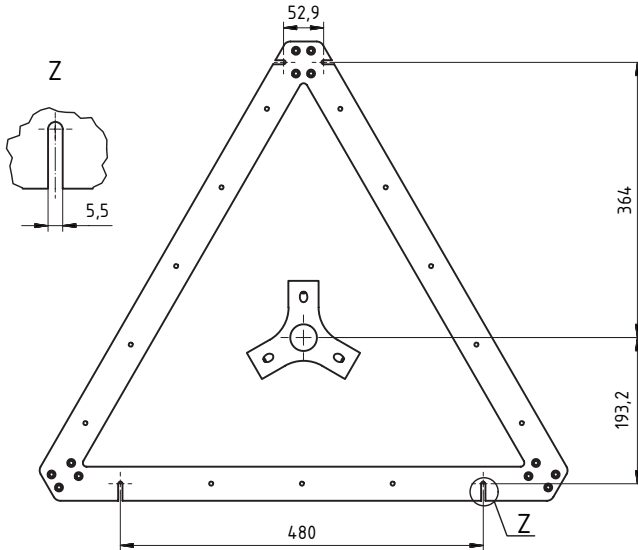


4

Anschlussmaße connecting dimensions

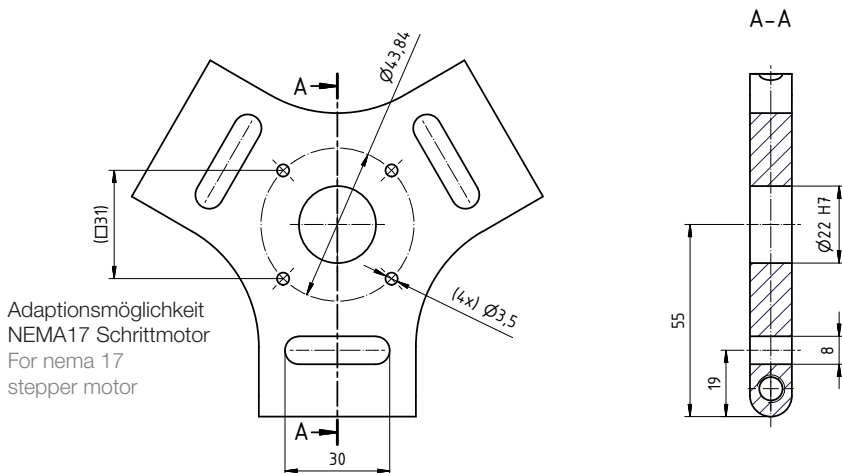
Artikelnummer ETY-DR-0023
article number

Beschreibung Aufnahmestern mit Anschlussmaßen
description flange panel



Artikelnummer ETY-DR-0022
article number

Beschreibung Aufnahmestern mit Anschlussbohrungen für Zubehör
description flange star with drillings for other equipment



Zubehör accessories

Artikelnummer D1
article number

Beschreibung Dryve Steuerung D1, Motorsteuerung, Keine Softwareinstallation oder App nötig, für PC, Tablet oder Smartphone, Schritt-(ST), DC und EC Motoren mit bis zu 21A Spitzenströmen und 48 V DC, Digitale Ein-Ausgänge, Analoge Eingänge, CANopen, Modbus TCP zum Anschluss an Mastersteuerungen wie z.B. Siemens oder Beckhoff

Dryve motor controller D1, a motor controller for multi-fold automation tasks without programming by simple parameterization for single axes, linear, flat and room linear robots and Delta robots no software installation or app needed, use by PC, tablet or smart phone Stepper (ST), DC and EC motors with up to 21A peak currents and 48 V DC, digital inputs/outputs, analogue inputs, CANopen, Modbus TCP for connection to master control systems such as Siemens or Beckhoff



Artikelnummer IK-0001-BG-3, IK-0001-BG-5, IK-0001-BG-10
article number

Beschreibung Initiator kit, 24V, 0630/1040 NC/Öffner, inkl. Leitung in 3, 5 oder 10 m.
initiator kit, 24V, 0630/1040 normally closed, with cable in 3, 5 or 10 meter



Artikelnummer AK-DR-0002
article number

Beschreibung Kalibrierdorn für einfache Positionierung
Calibrating pin for easy positioning



Artikelnummer ETY-DR-0017
article number

Beschreibung Kabelclip für sichere Führung
Cable clip for guidance

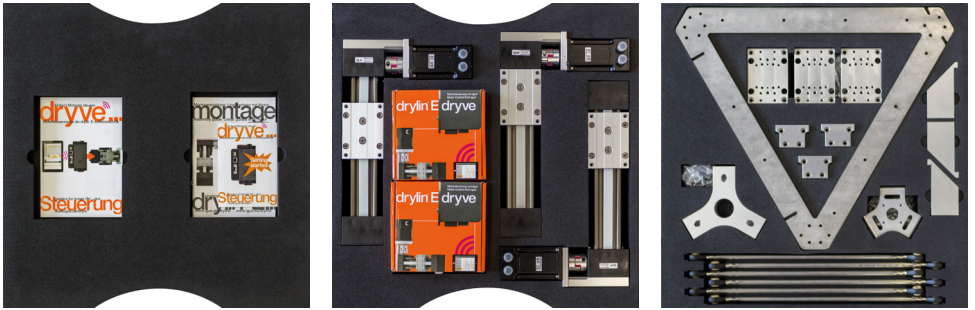


Artikelnummer article number	MOT-ST-42-L-C-A
Beschreibung description	Zur Anbindung an Aufnahmestern für zusätzliche Drehbewegung Spindelmotor NEMA17, Mo=0.5, Datenblatt unter Spindelschrittmotoren: https://www.igus.de/info/drive-technology-drylin-e-faq-data-sheets For flange star if turning movement needed steppermotor NEMA17, Mo=0.5, spindle motor/wires/encoder more information for spindle motors: https://www.igus.eu/info/drive-technology-drylin-e-faq-data-sheets

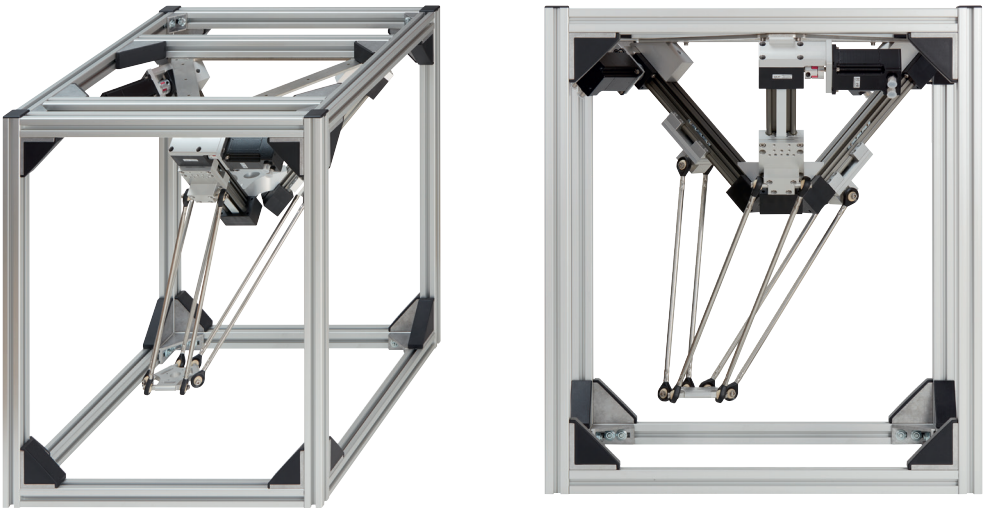
Leitungen cables

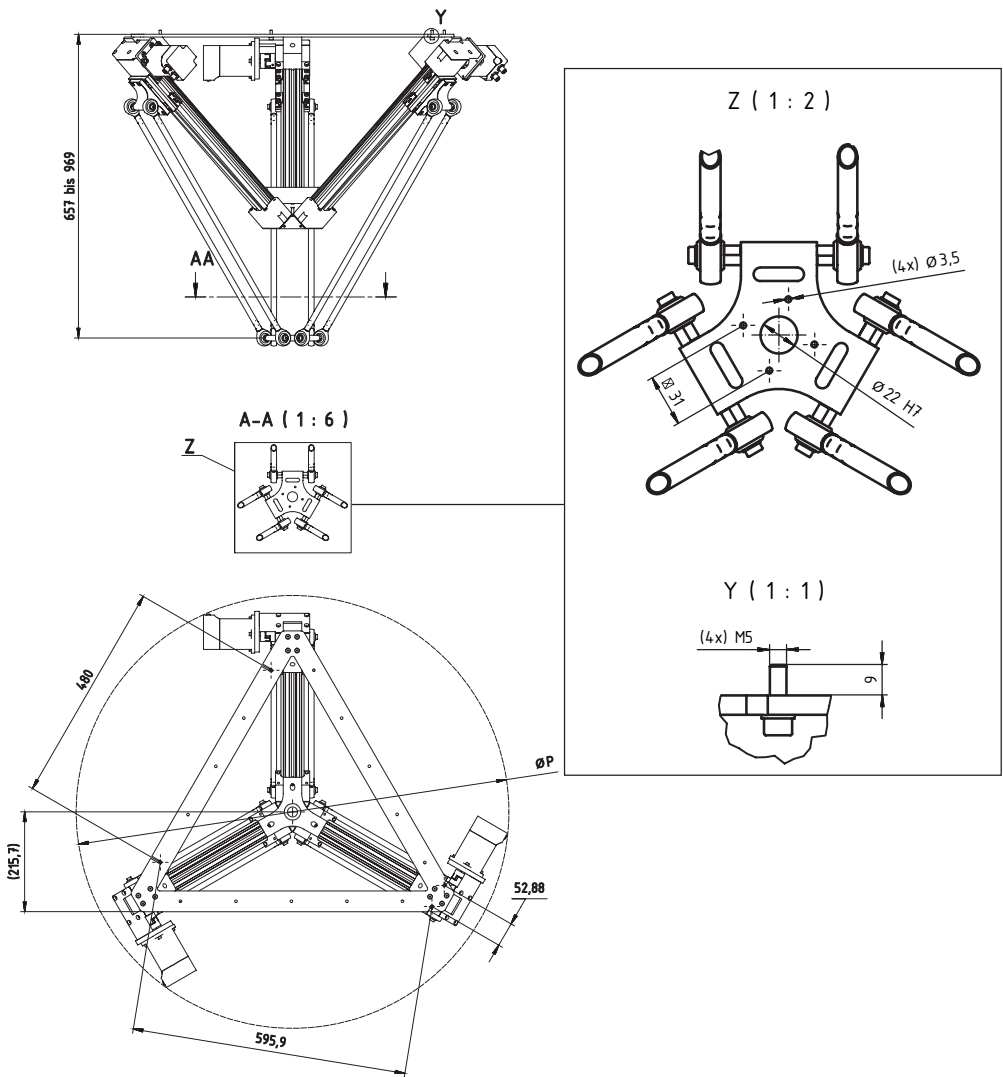
Artikelnummer article number	DLE904121451-3 (MAT9043737) DLE904121451-5 (MAT9043738) DLE904121451-10 (MAT9043740)
Beschreibung description	Motorleitungen in 3, 5 und 10 m. motor cable in 3, 5 or 10 meter
Artikelnummer article number	DLE904121455-3 (MAT90432594-3) DLE904121455-5 (MAT90432594-5) DLE904121455-10 (MAT90432594-10)
Beschreibung description	Encoderleitung für NEMA23 in 3, 5 or 10 m encoder cable in 3, 5 or 10 meter

Bausatz im Schaum
Assembly kit

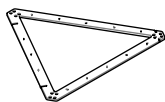


Montiert im Transportgestell
Assembled Delta, in transport rack





Artikelnummer Article number	Bausatz Assembly kit	Montiert Assembled	Steuerungen Controller	Motoren Motors	P = Platzbedarf Space requirement
DLE-DR-0050	●			●	937
DLE-DR-0051		●		●	937
DLE-DR-0052	●		●	●	937
DLE-DR-0053		●	●	●	937
DLE-DR-0054	●				873
DLE-DR-0055		●			873



ETY-DR-0023

1x



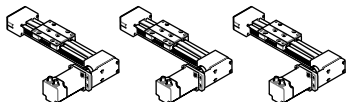
ETY-DR-0011

1x



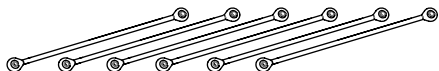
ETY-DR-0022

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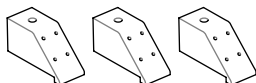
DLE-DR ZLW-0004

3x



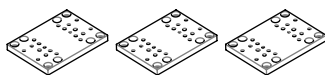
KDGM-DR-12-A-ER-J-600

6x



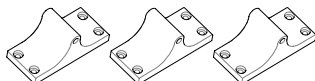
ETY-DR-0013

3x



ZWY-104001

3x



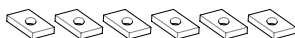
ETY-DR-0021

3x



ETY-DR-0020

12x



NOR-20602

20/12-M5

6x



NOR-11030

6x12x1

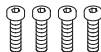
12x



NOR-11013

M5, A2

4x



NOR-10513

M5X16

4x



NOR-10514

M5x20

3x



NOR-10610

M5x12

3x



NOR-10628

M6x12

12x



NOR-10629

M6x20

12x



NOR-10737

M5x14-A2

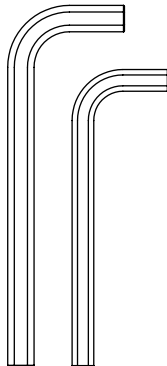
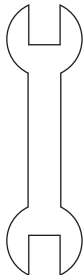
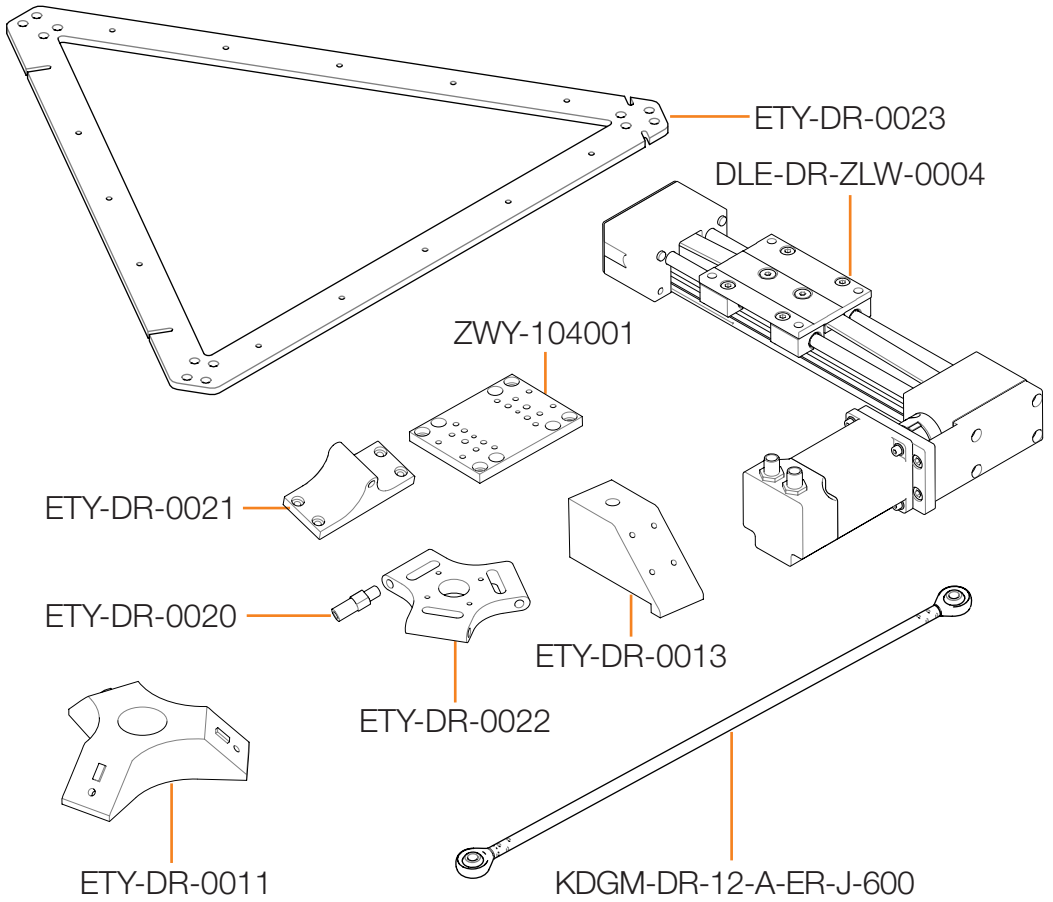
12x



NOR-10609

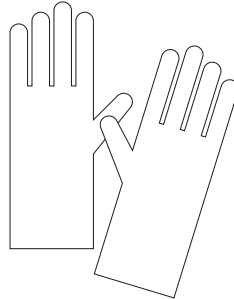
M5x14

12x



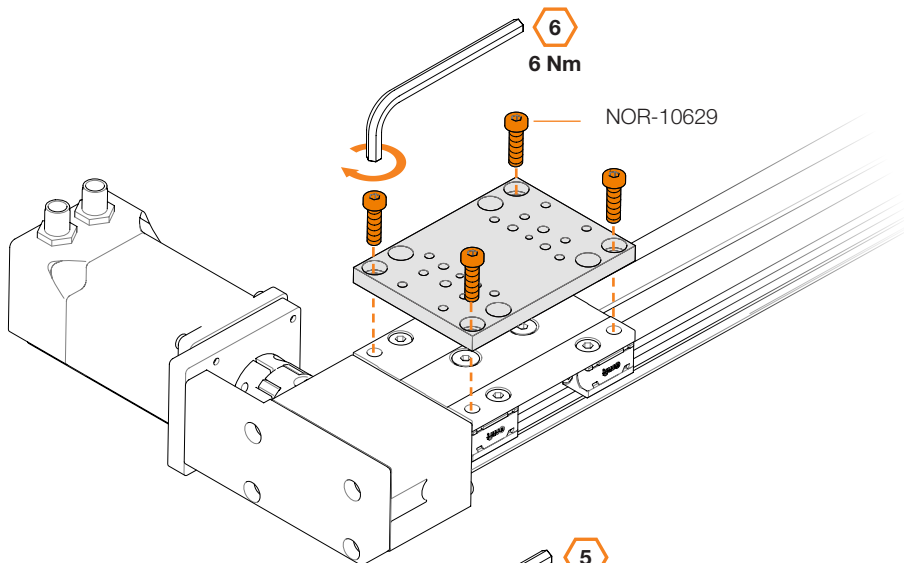
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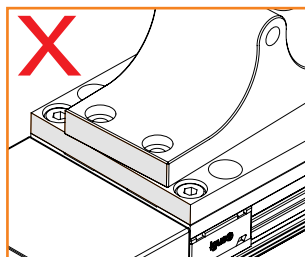
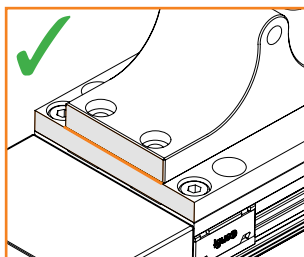
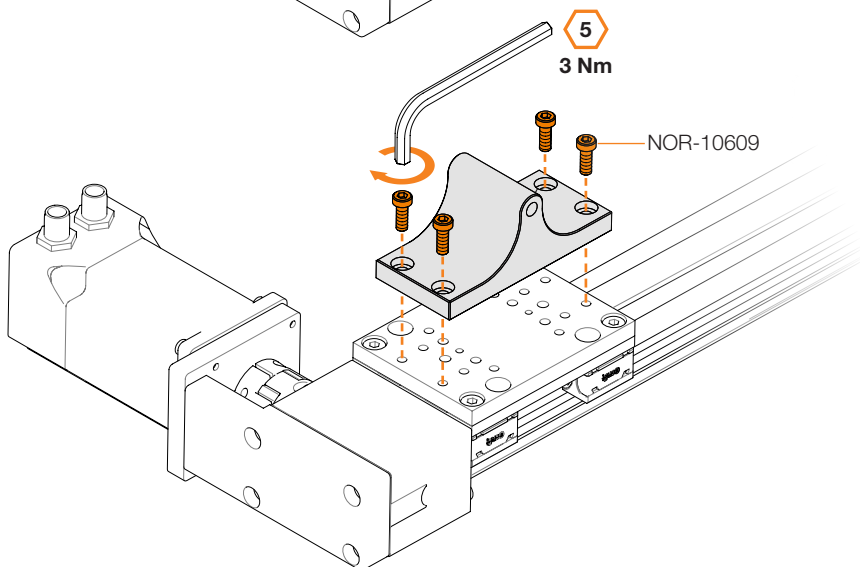
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3x



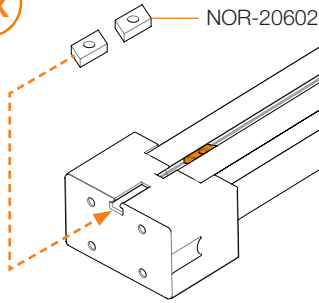
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3x



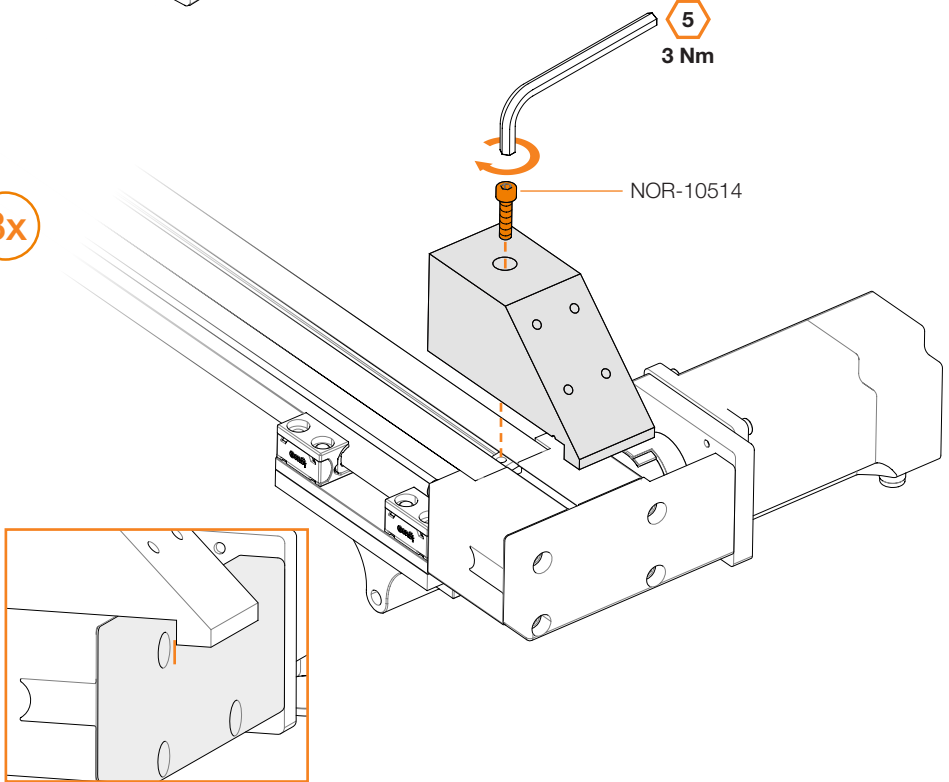
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3x

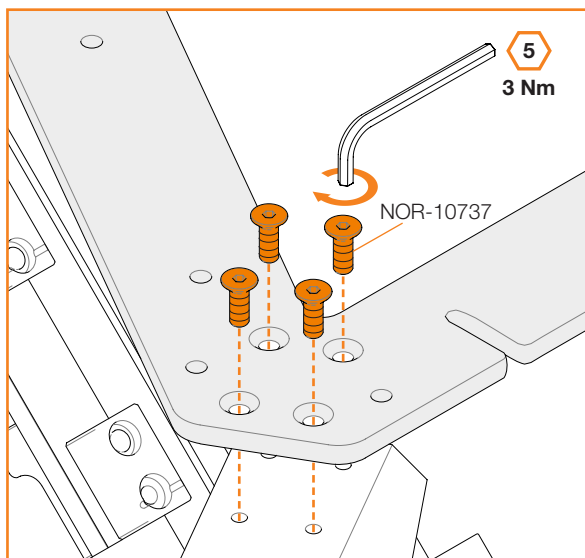
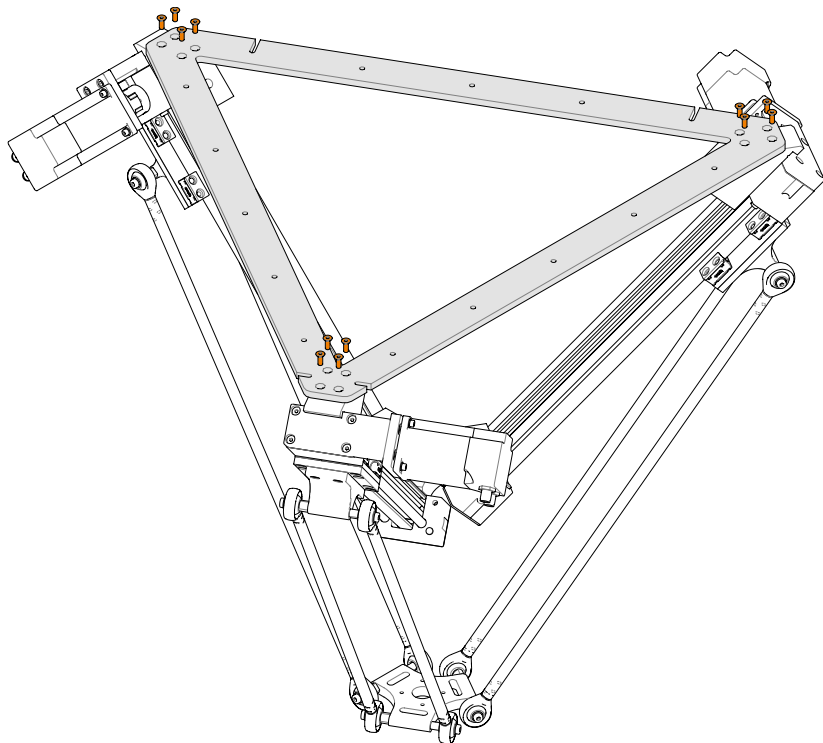


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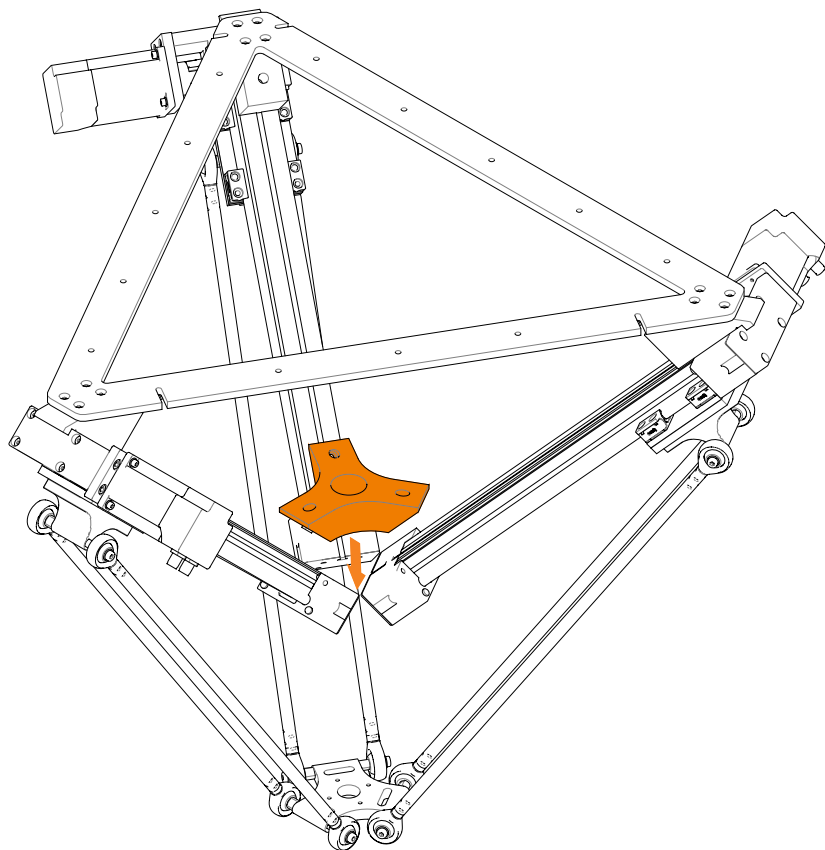
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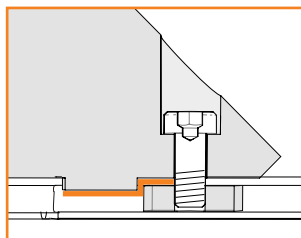
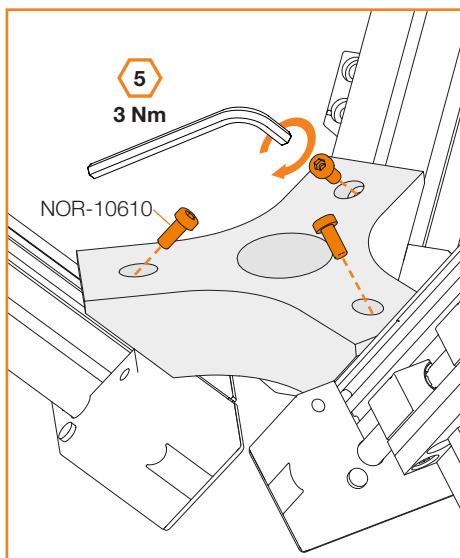
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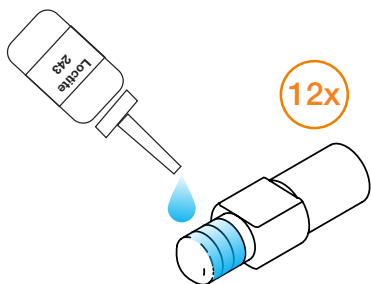
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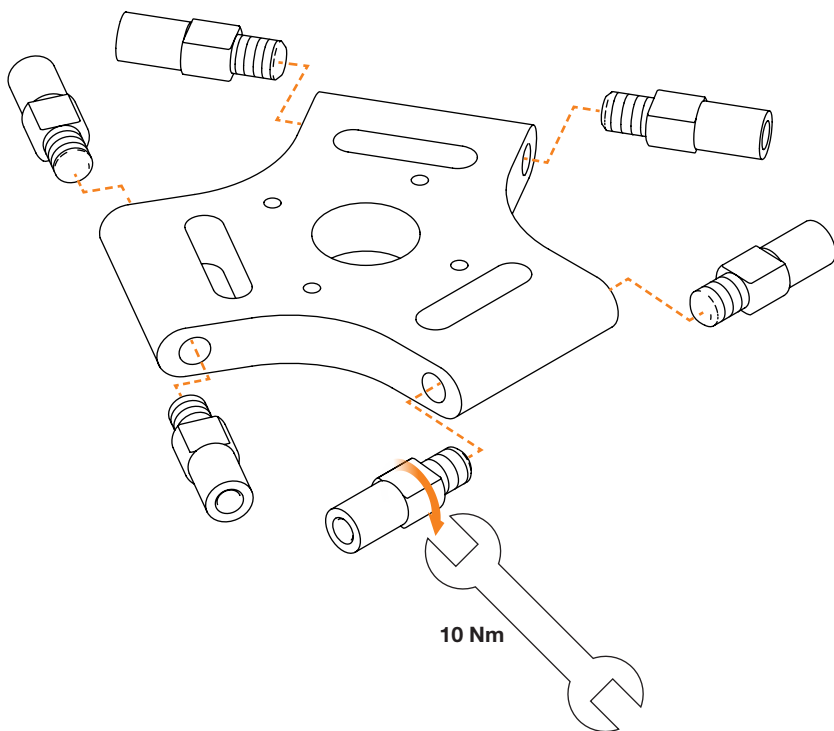
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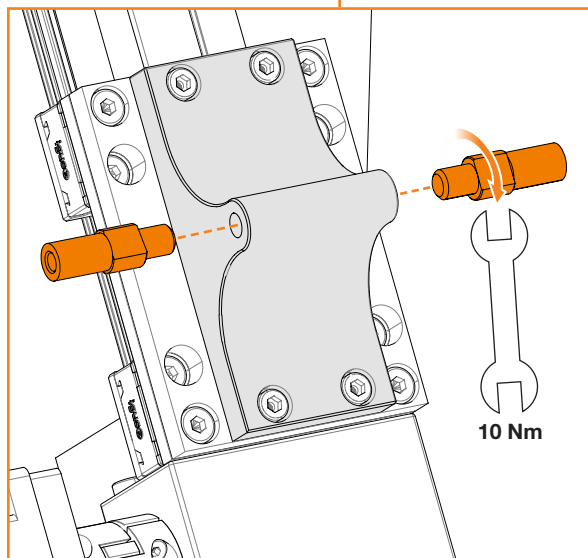
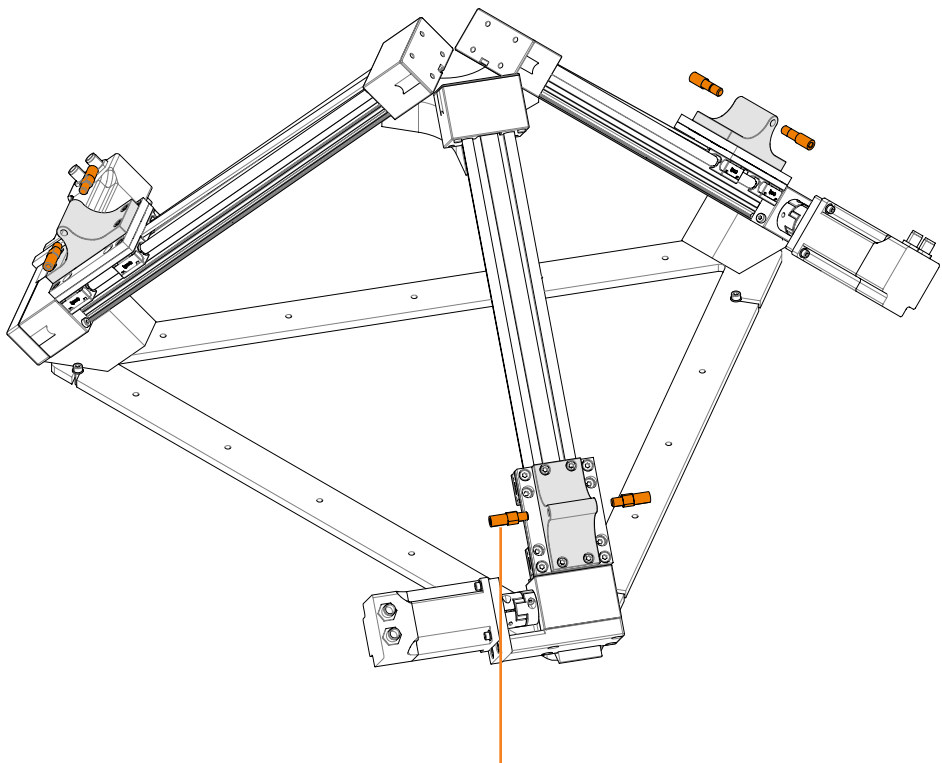
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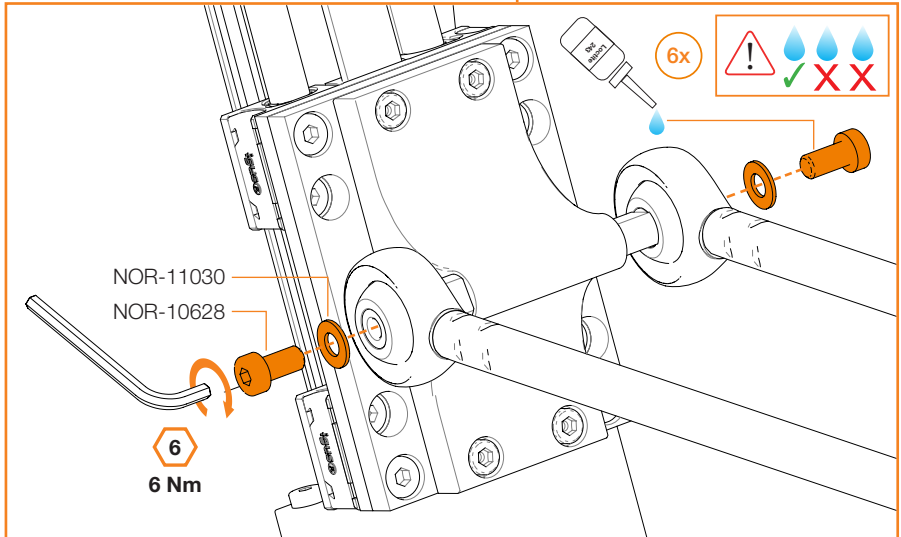
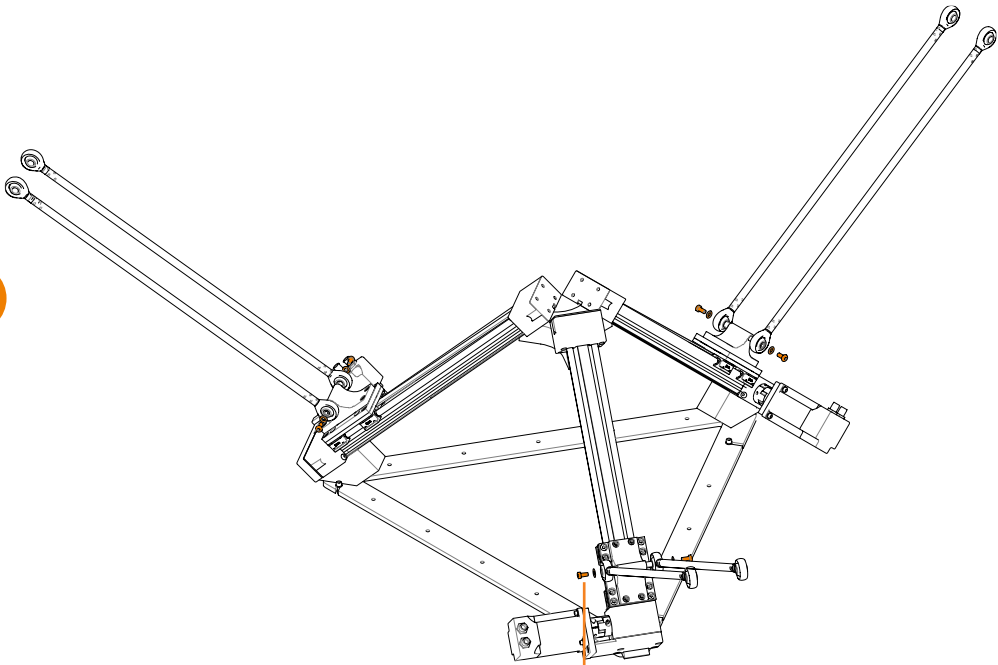
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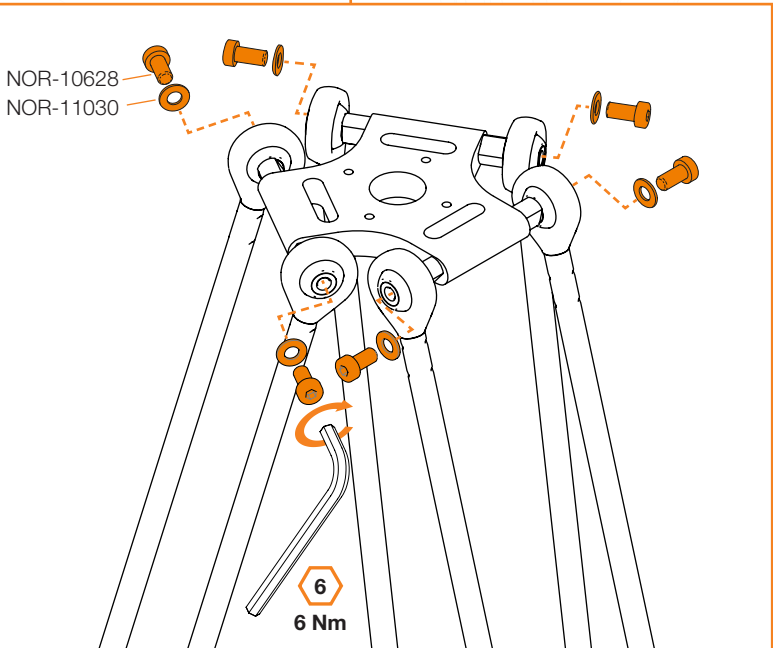
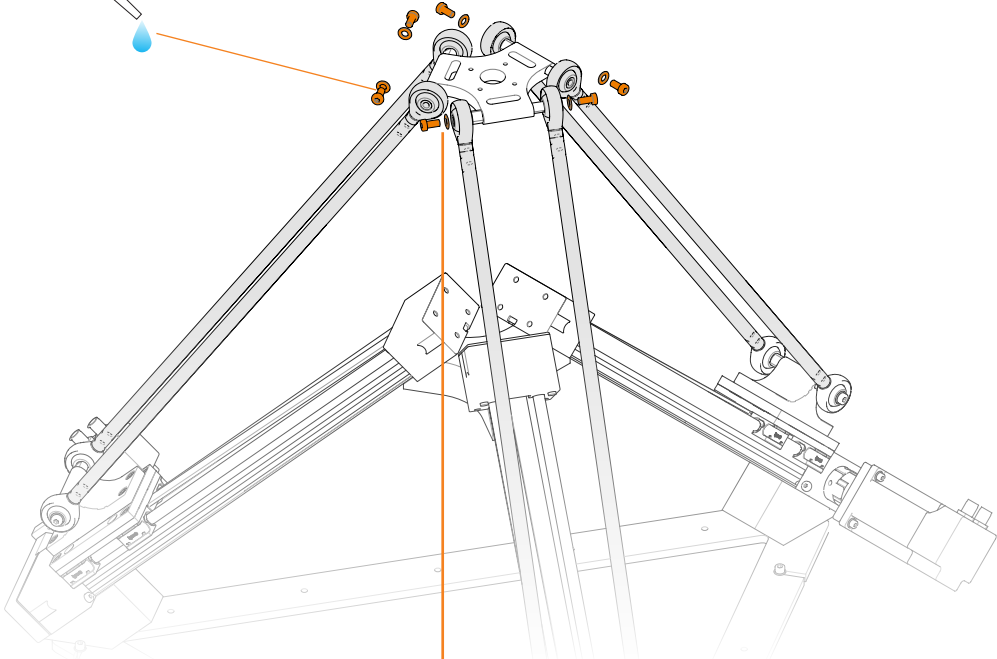
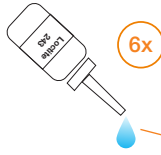
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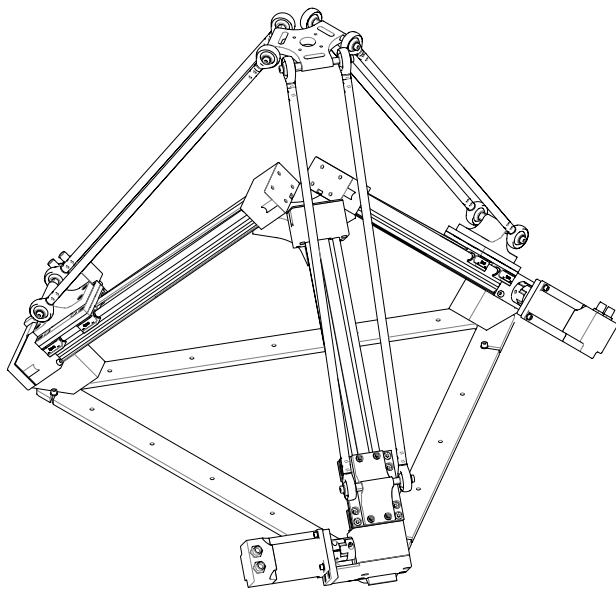


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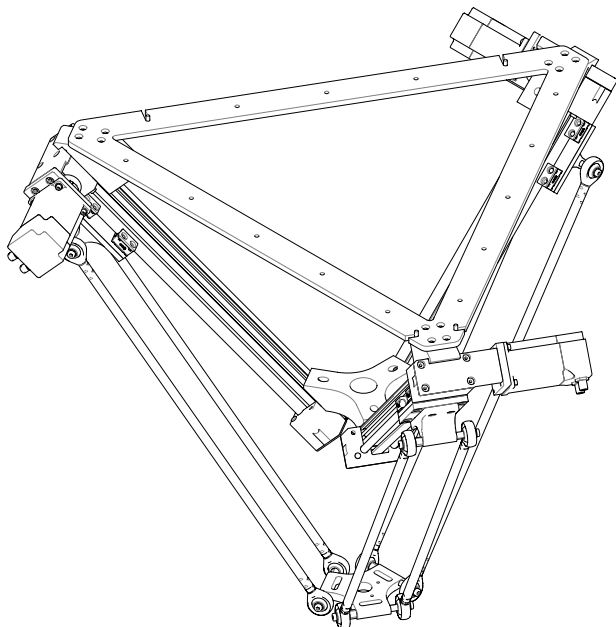


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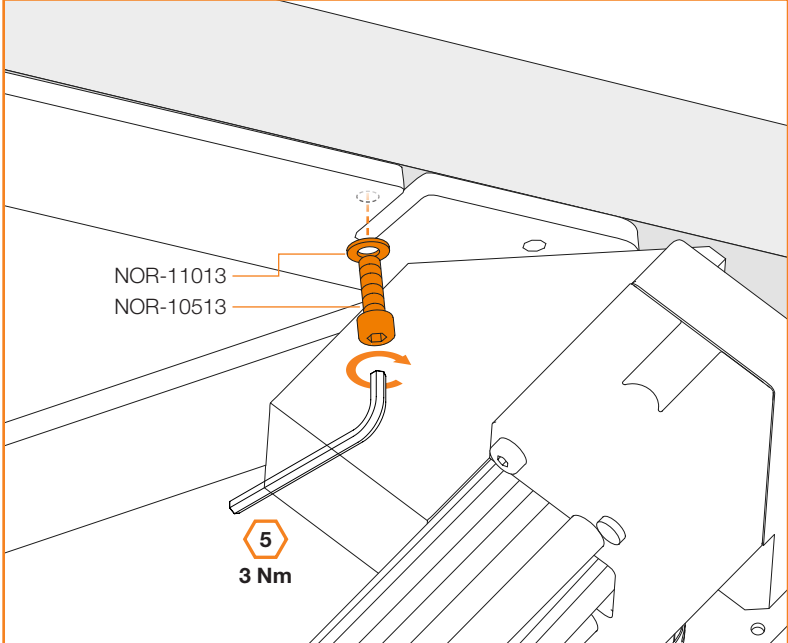
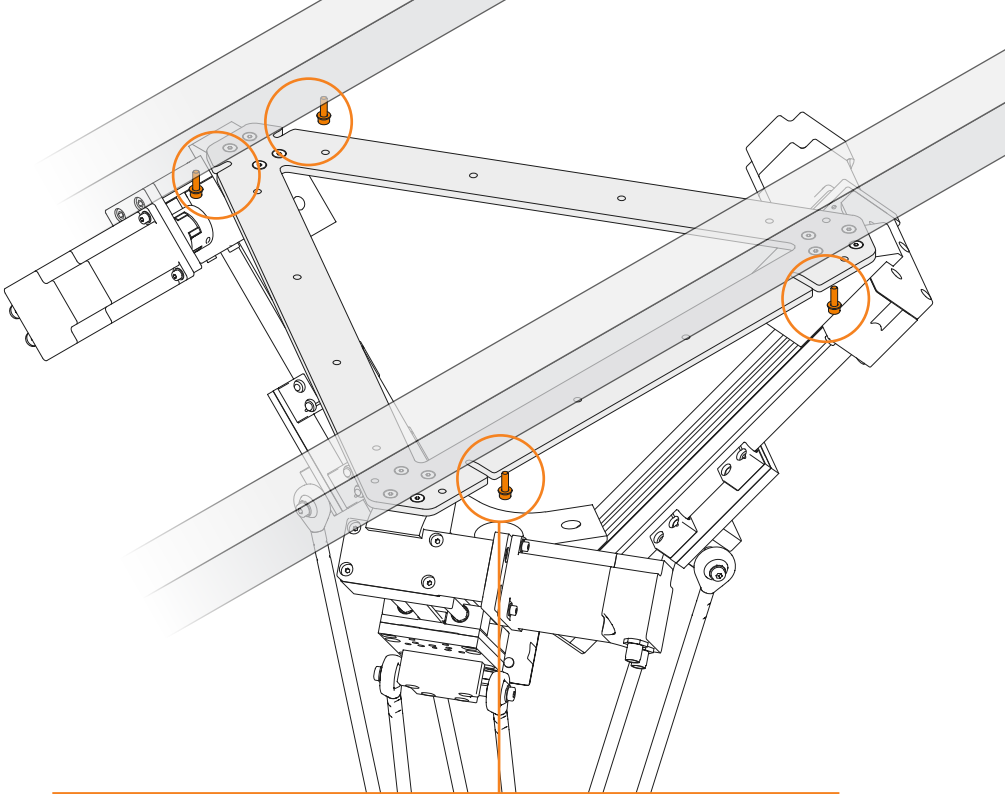




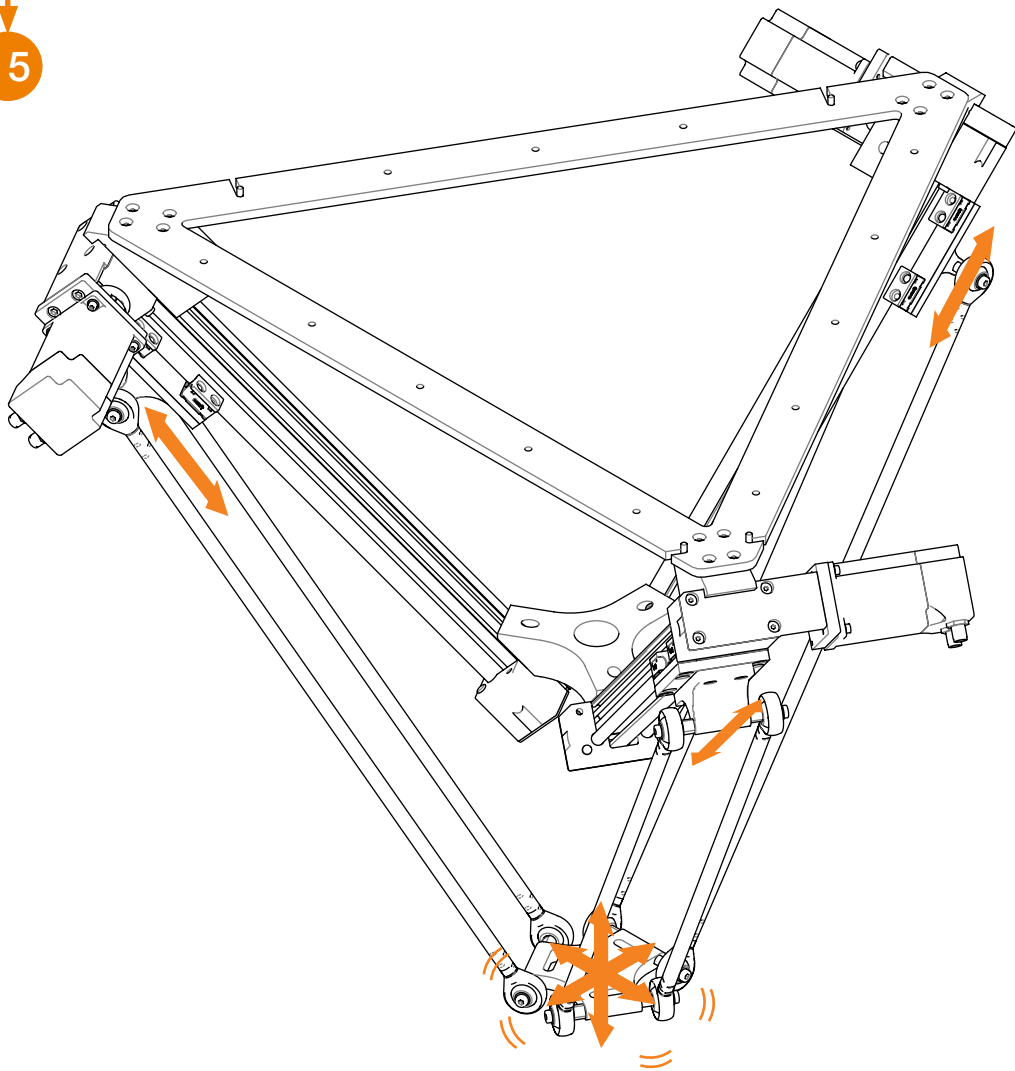
180°



14



15



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