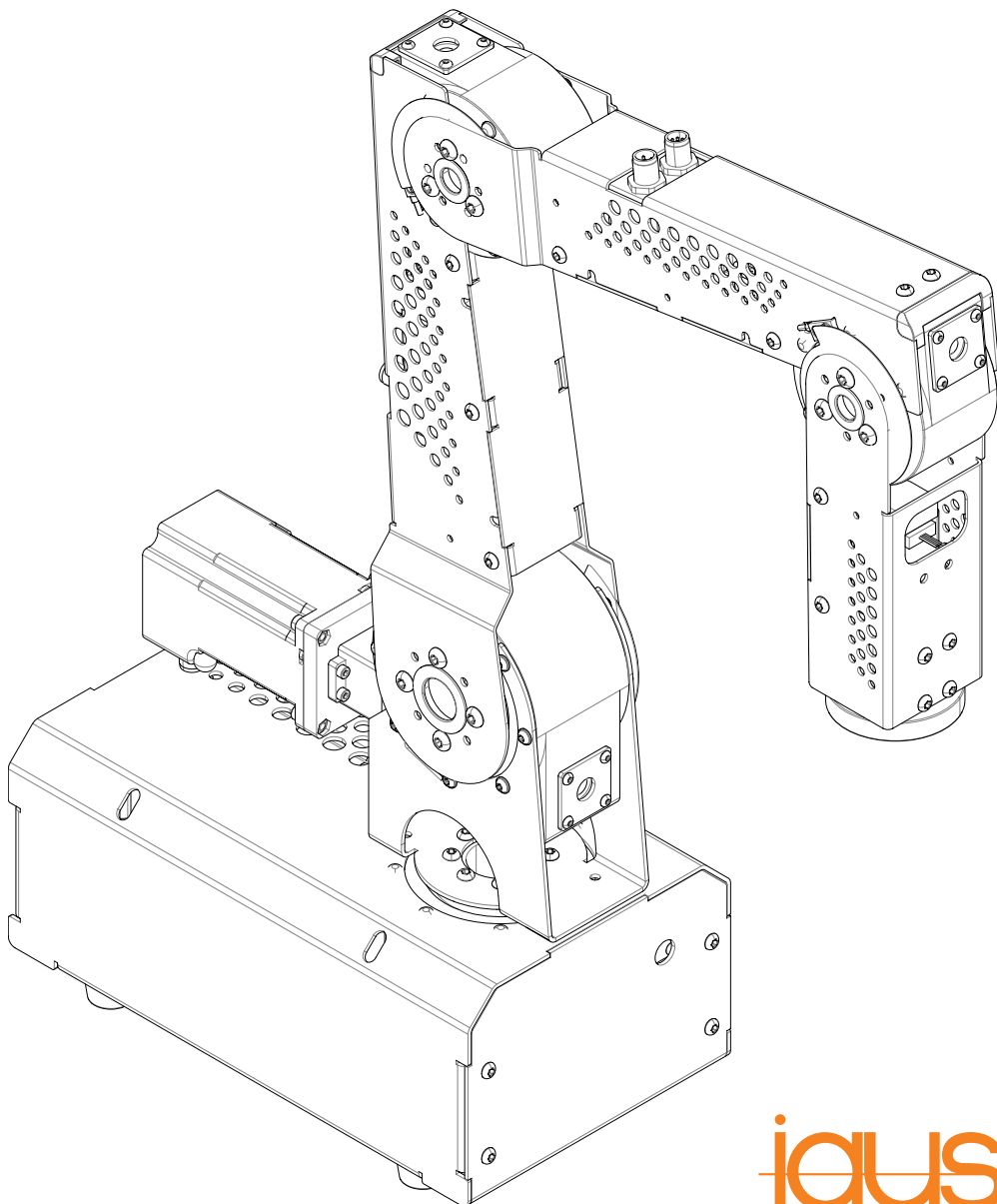


Technische Dokumentation Technical documentation
roboLink®

DC VERSION



Technische Daten technical datas

Positioniergenauigkeit accuracy	+/- 1	[mm]
Reichweite reach 5 DOF 4 DOF	680 510	[mm]
Max. Nutzlast max. payload 5 DOF 4 DOF	0,5 1	[kg]
Nennreichweite nominal working range	350	[mm]
Dynamik mit dynamics with 500 [g]	min. 7	Picks/min*
Eigengewicht mass 5 DOF 4 DOF	12 11	[kg]
Mit und ohne integrierte Steuerung With and without integrated control**		
Schrittmotor NEMA23 XL Stepper motor Nema 23 XL with	max. 24/48 [V] max. 4,2 [A]	[V] [A]



Mehr Informationen auch zu anderen Steuerungen unter:

<https://www.igus.de/info/roboLink-guenstige-roboterarme-kaufen>

More information:

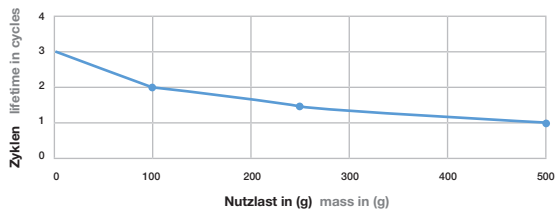
<https://www.igus.eu/info/robotics-robolink-dci>

minimale Lebensdauer

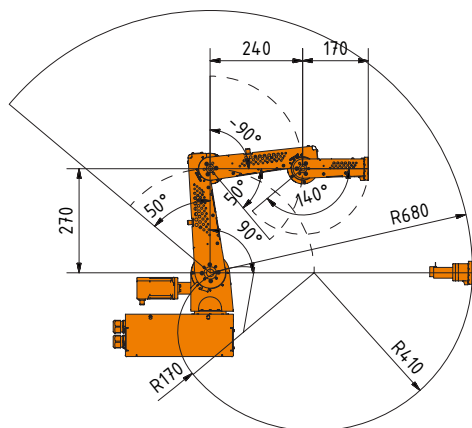
Nutzlast in (g) mass in (g)	Zyklusanzahl in mio. lifetime in millions cycle.
0	3
100	2
250	1,5
500	1

Getestete Lebensdauer mit definierten Pick
unter Laborbedingungen im Nennarbeitsbereich.
Tested lifetime for the defined pic within the
nominal working range

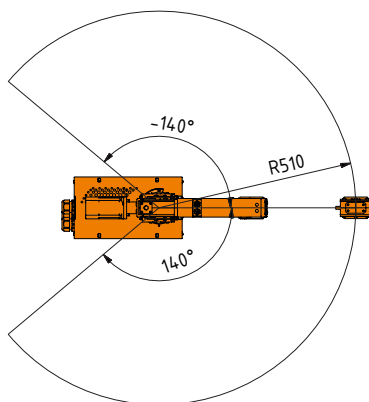
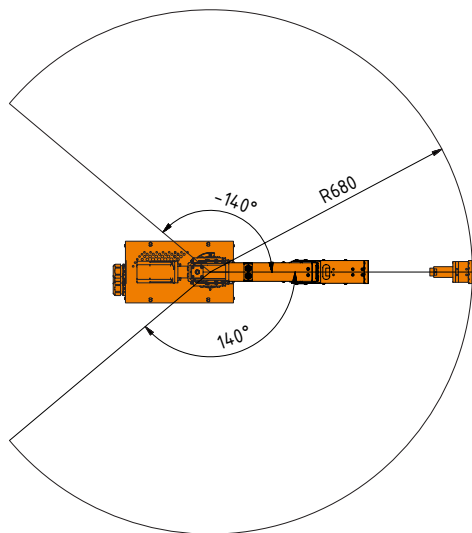
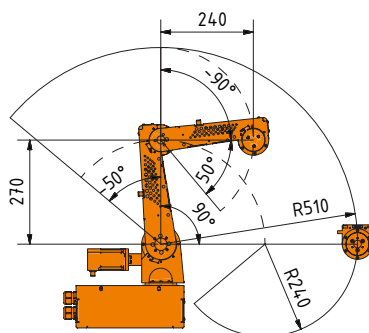
Zyklusanzahl in mio.
lifetime in millions cycle.



5 DOF

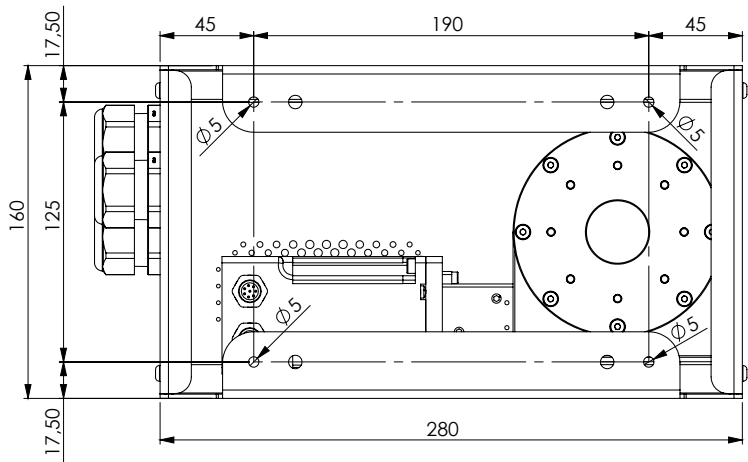


4 DOF

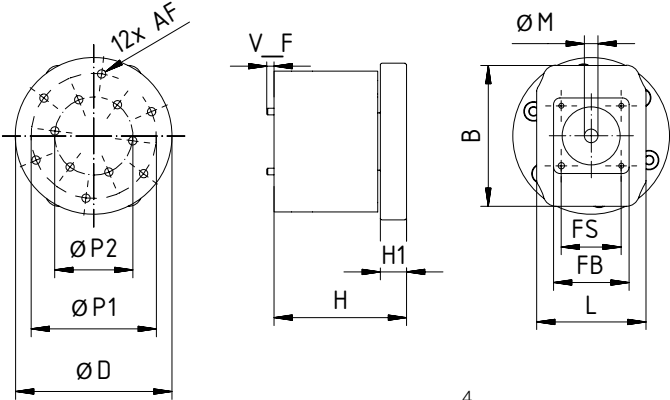


Anschlussmaße connecting dimensions

Artikelnummer article number	RL-DC-XXX
Beschreibung description	Roboter Bodengehäuse robot ground case



5 DOF Version



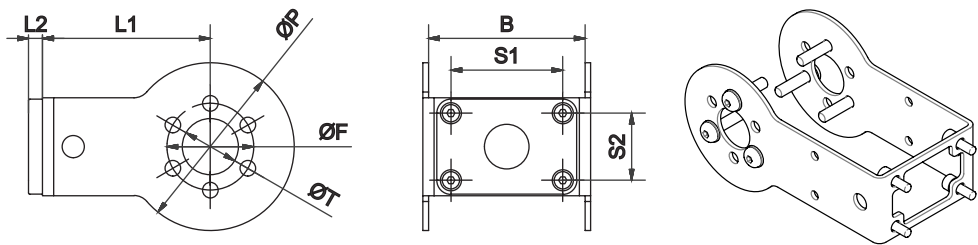
4

Abmessung in [mm] Dimension in [mm]

Art.-Nr.	ØD	ØP1	ØP2	AF	V_F	H	ØM	FS	FB	L	B	H1
RL-S-17-N11-00-28-020K0	60	48	30	M4 x 8	M2,5 x 2,75	50,75	5	23	29	42	54	10

Zubehör accessories

Greifadapter Gripping adapter 4 DOF Version



Abmessung in [mm] Dimension in [mm]

Art.-Nr.	L1	L2	S1	S2	B	ØP	ØF	ØT
RL-DC-20-GRI-90-01-NA*	90	5	40	24	56	60	31	20

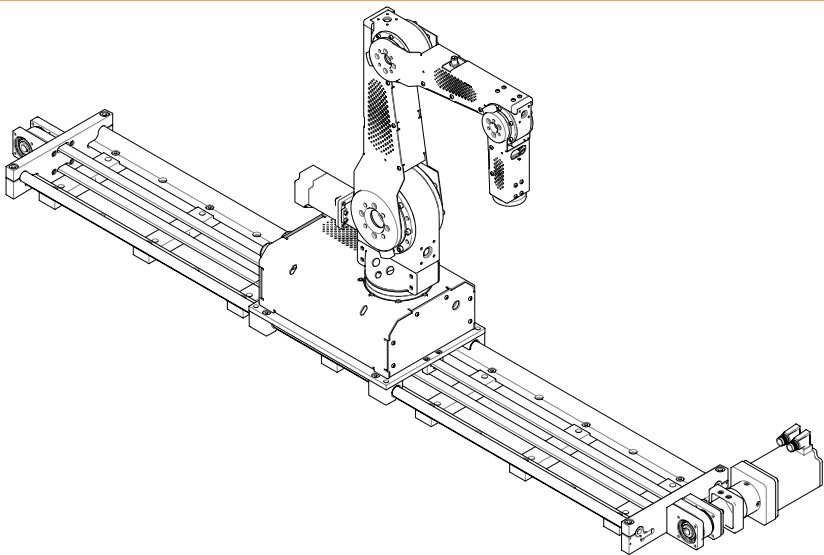
*Anschlusselement für 4 DOF robolink

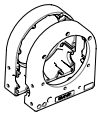
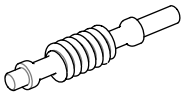
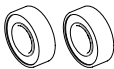
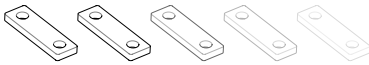
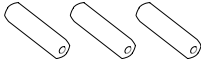
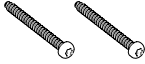
Linearachse für Roboter Linear system for robot

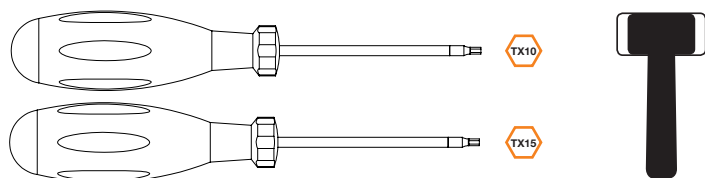
Artikelnummer ZLW-S-4811999-180511
article number

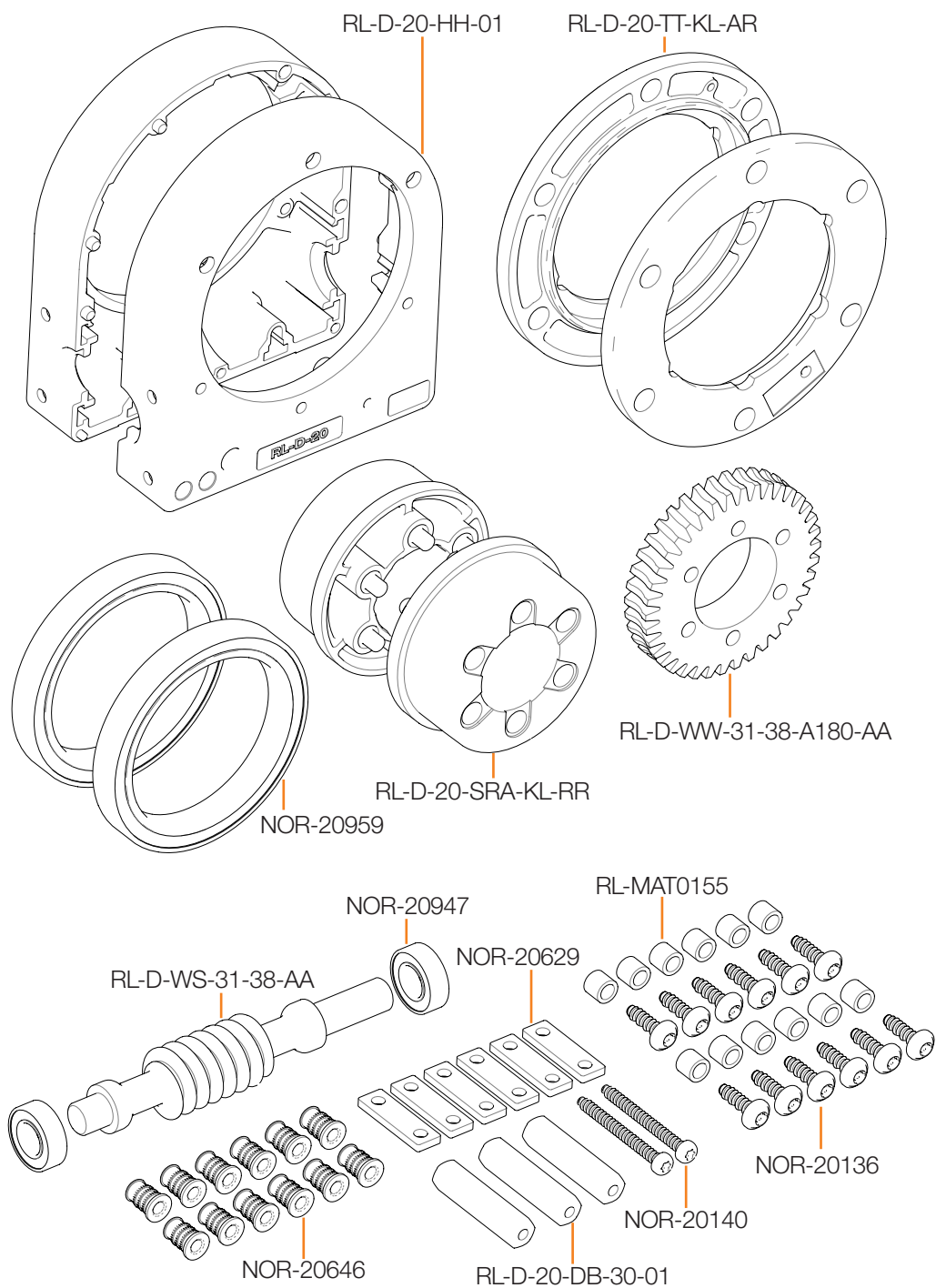
Beschreibung Linearachse zur Positionierung der Roboterkinematik, basierend auf ZLW-20200, Zahnriemenachse mit Motor und Getriebe, NEMA 34 mit Encoder.
description Hublänge bis zu 5.500 [mm]

Linear system for robot positioning, based on ZLW-20200 , Tooth-belt axis with gear and NEMA 34 stepper motor, stroke up to 5.500 [mm]

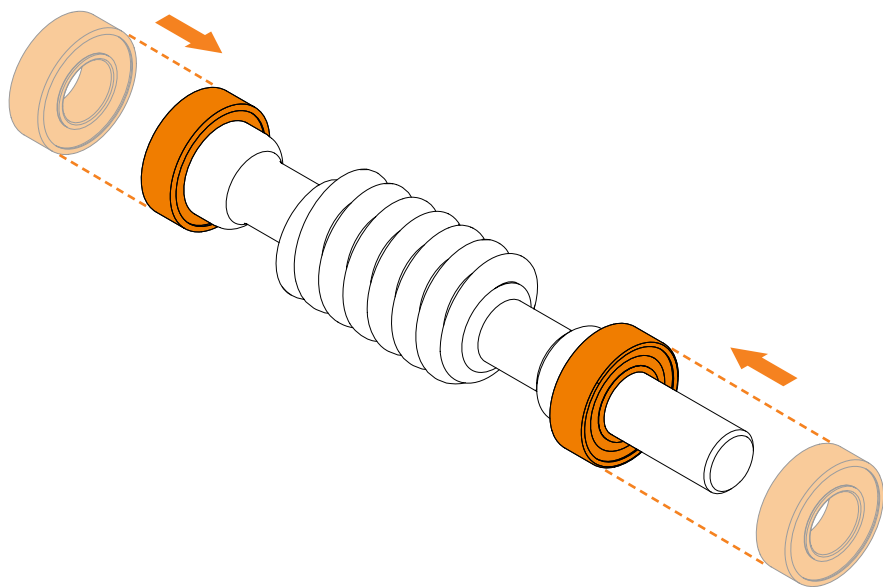


	RL-D-20-HH-01	2x
	RL-D-20-TT-KL-AR	1x
	NOR-20959	2x
	RL-D-20-SRA-KL-RR	2x
	RL-D-WW-31-38-A180-AA	1x
	RL-D-WS-31-38-AA	1x
	NOR-20947	2x
	NOR-20629	6x
	RL-D-20-DB-30-01	3x
	NOR-20140	2x
	RL-MAT0155	12x
	NOR-20136	12x
	NOR-20646	12x

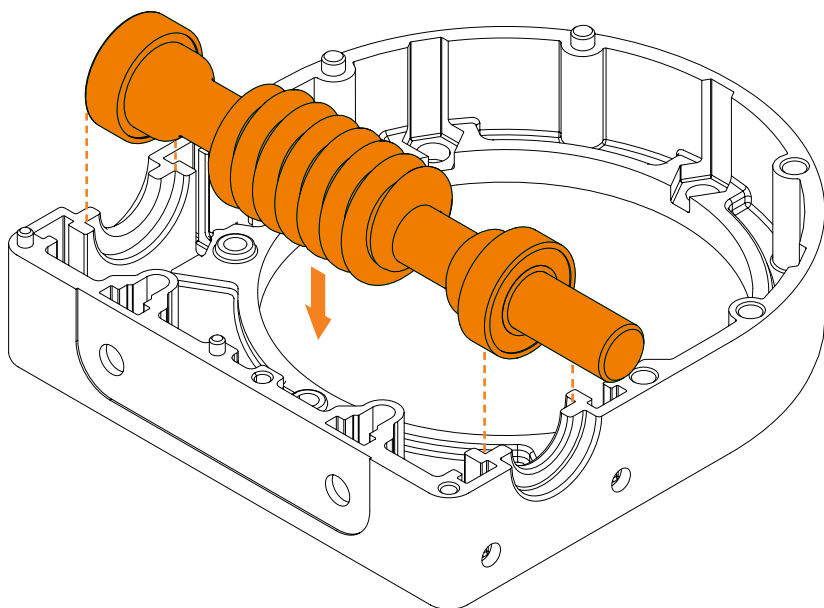




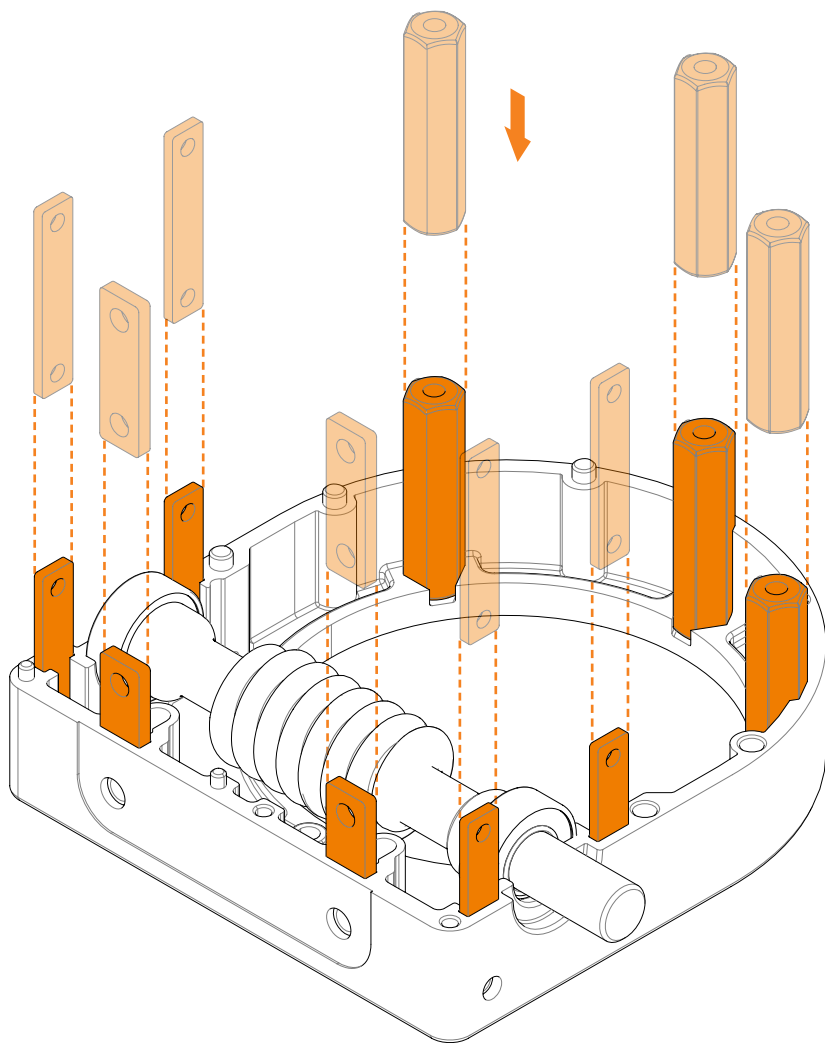
1



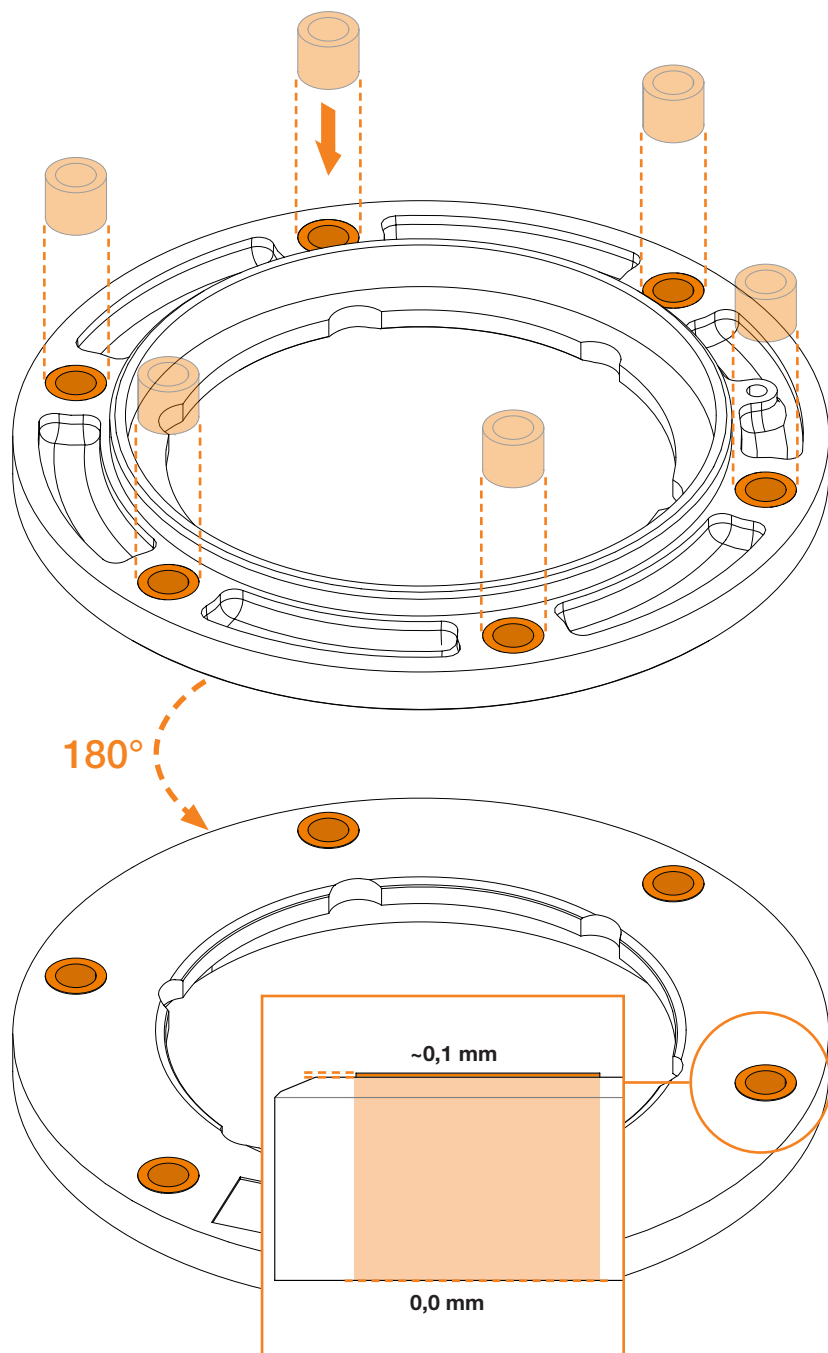
2



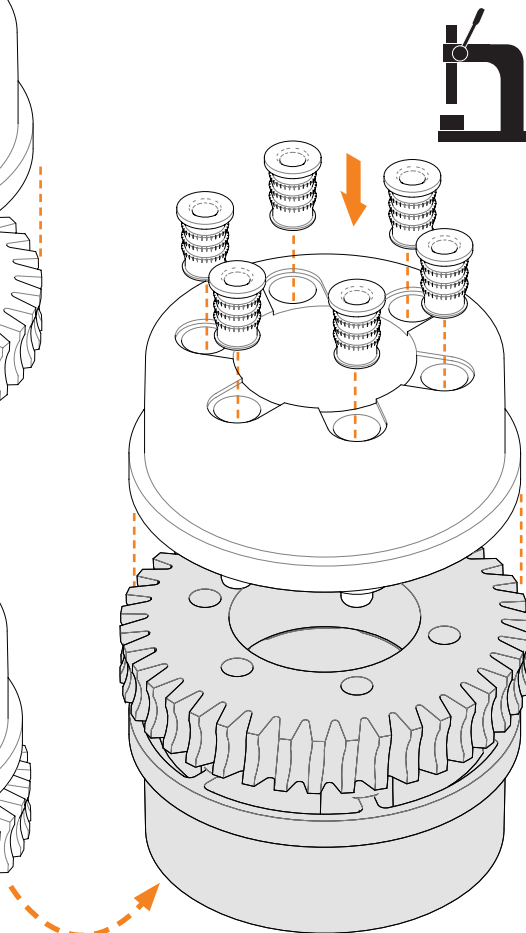
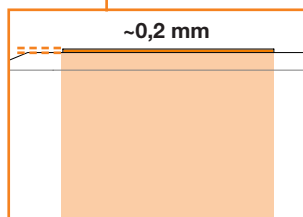
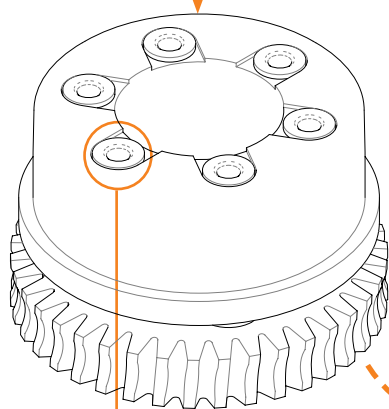
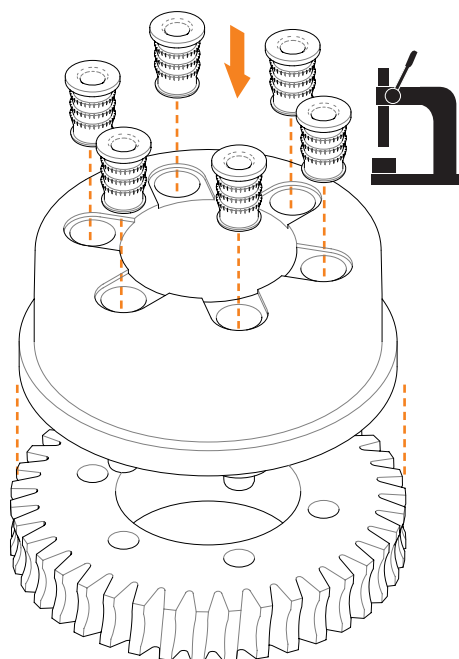
3



4



5

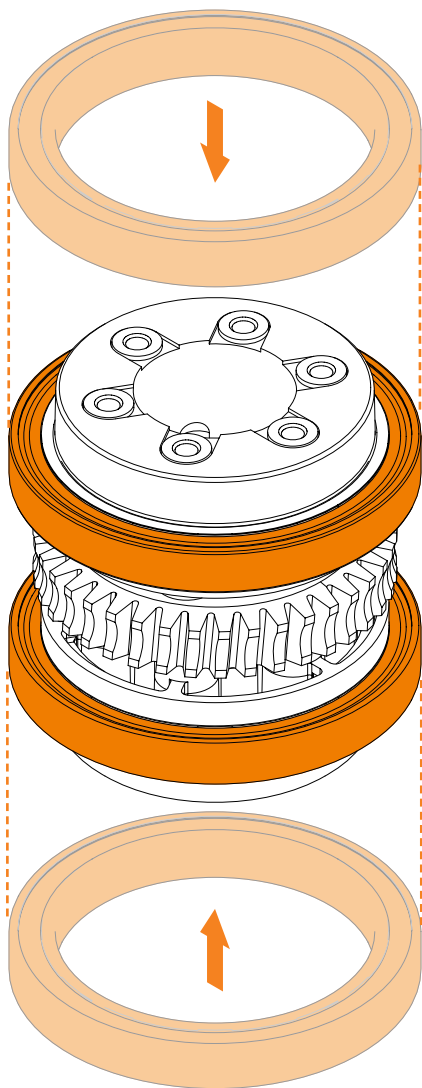


180°

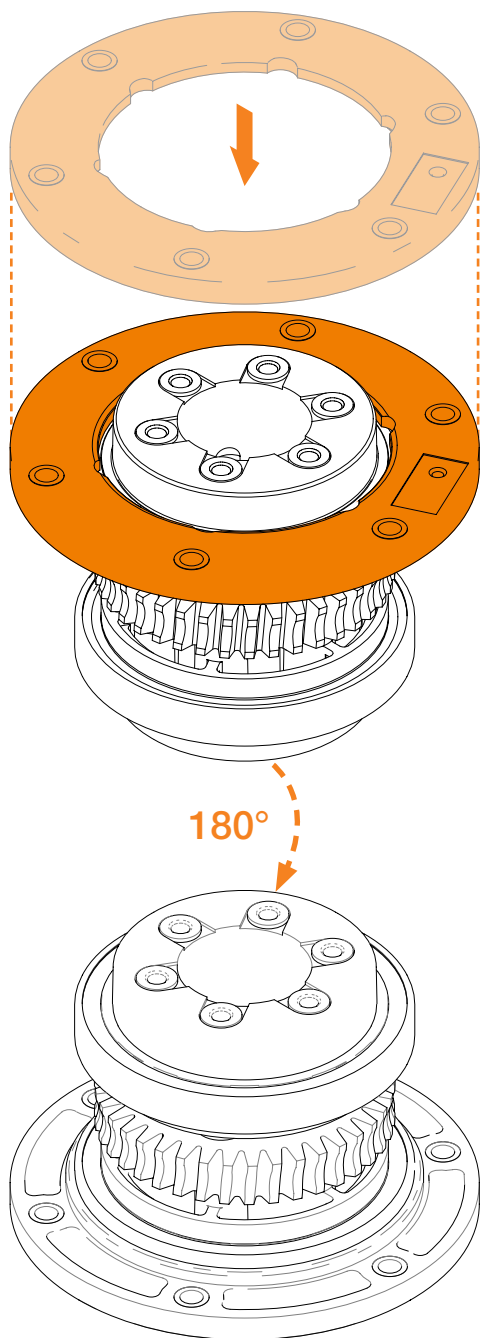


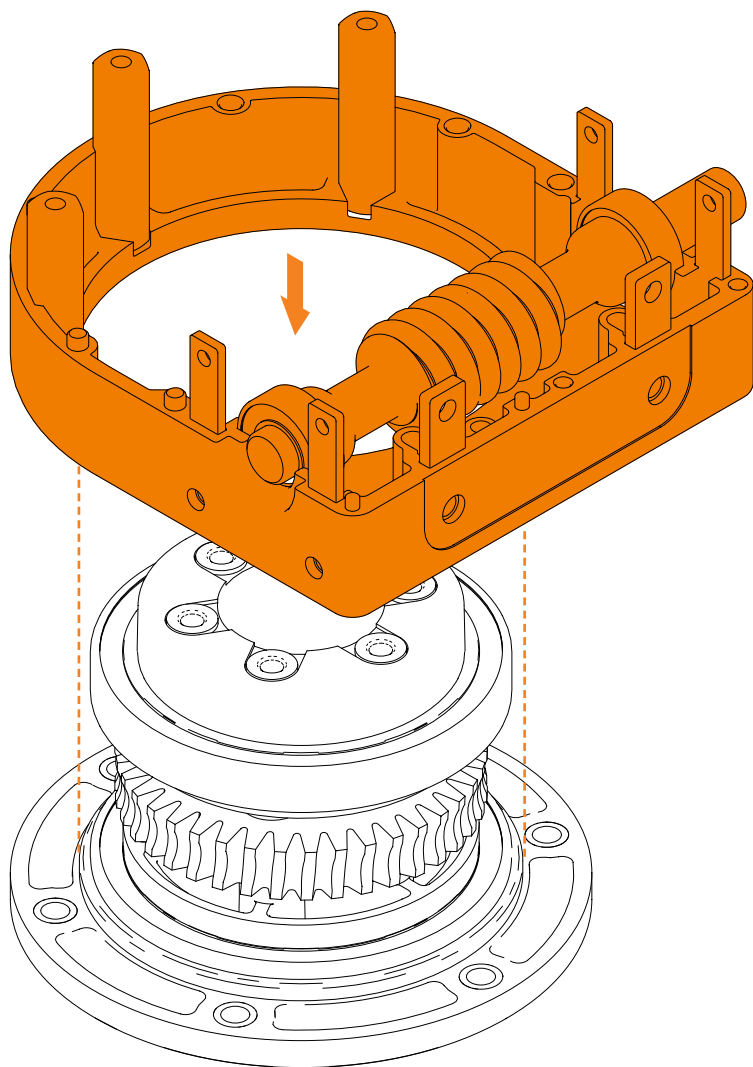
Einpresshilfe nutzen
Use press-in aid

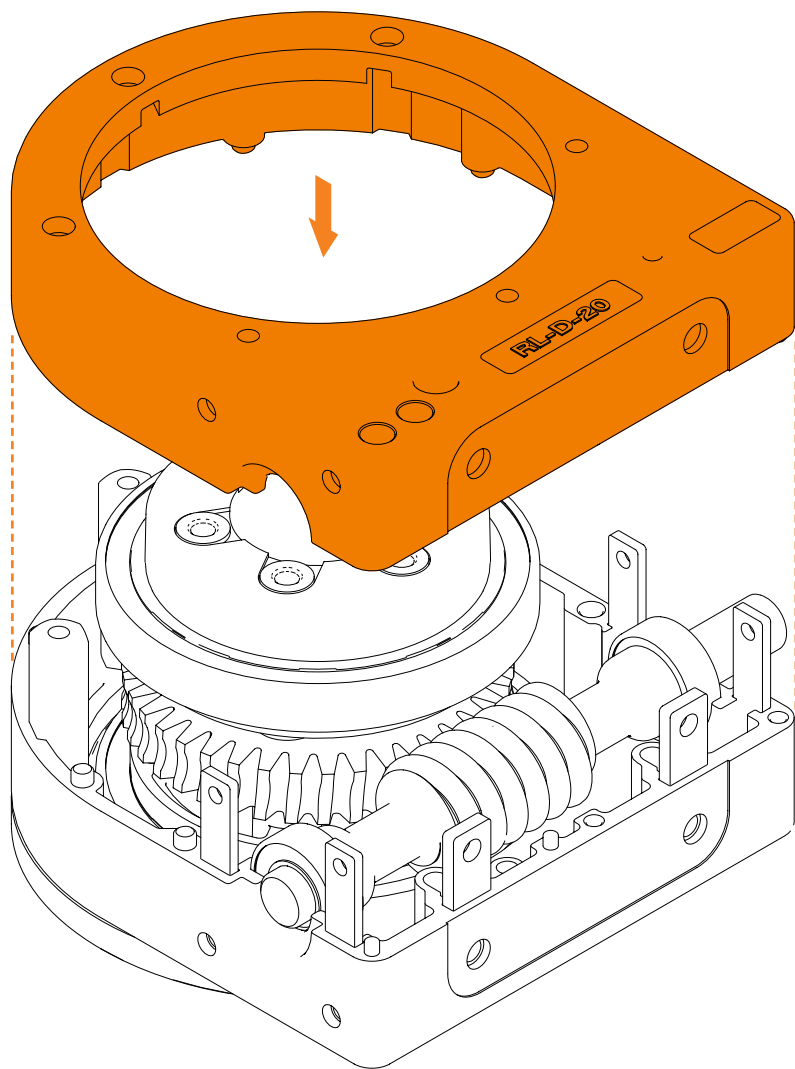
6

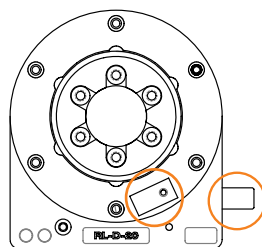


7

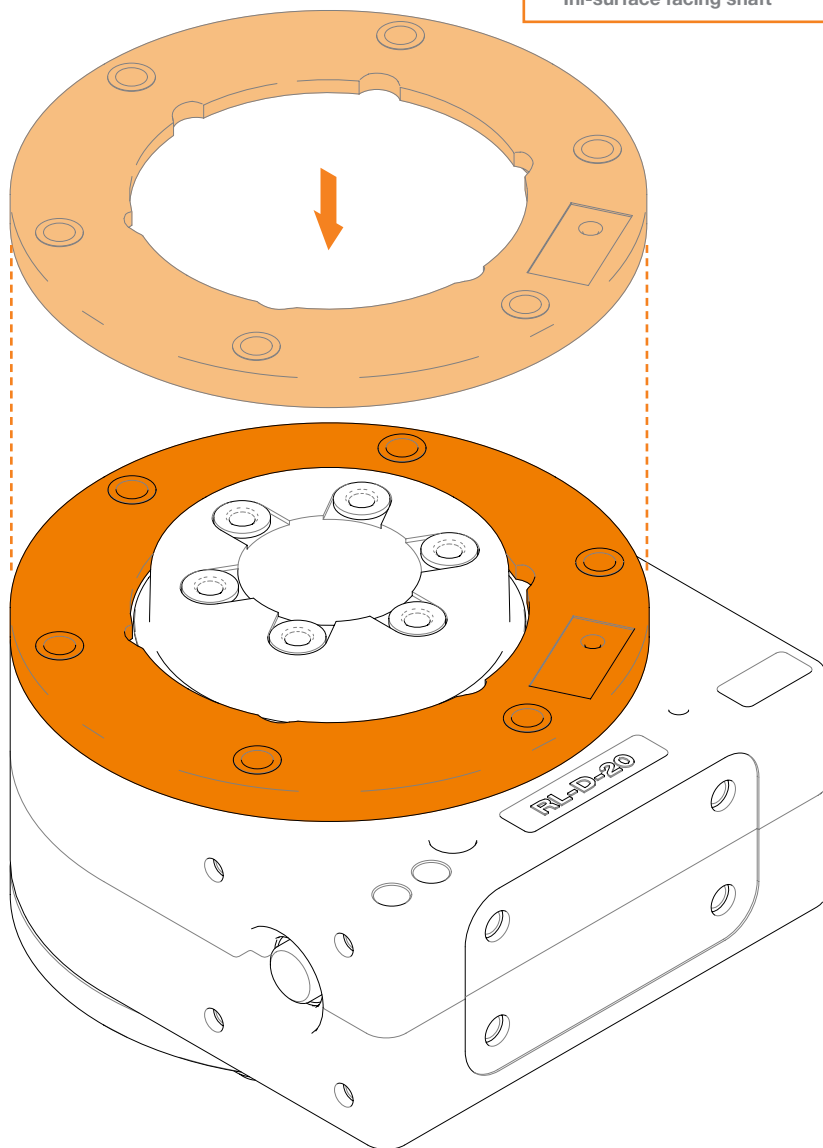




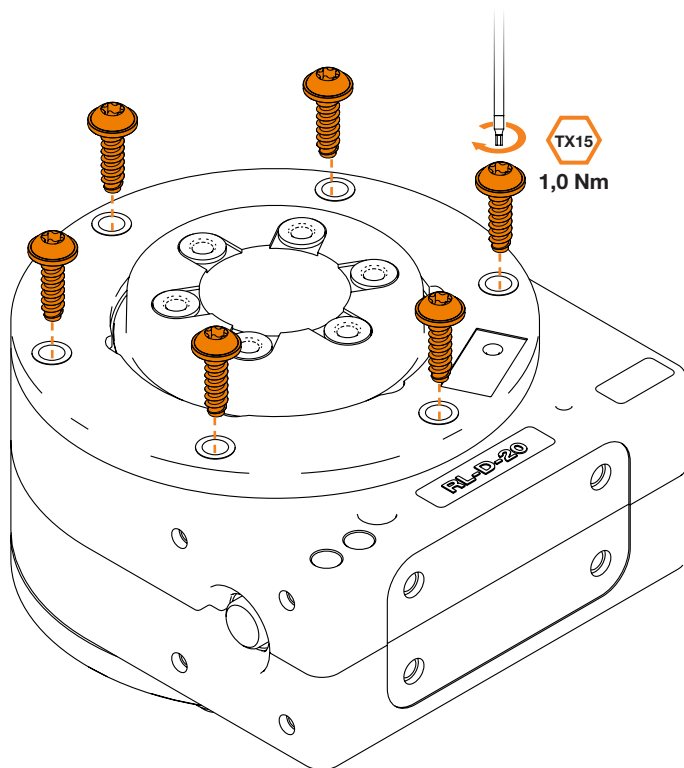




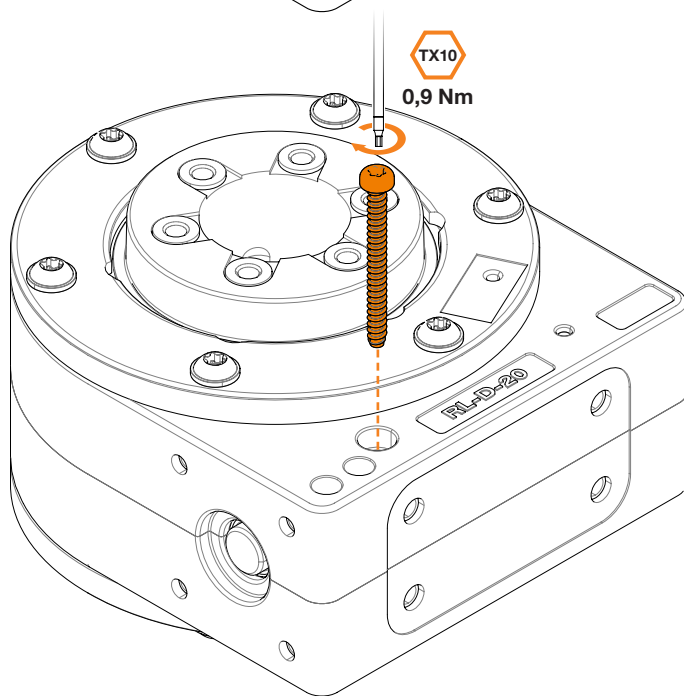
Ini-Fläche in Richtung Welle
Ini-surface facing shaft



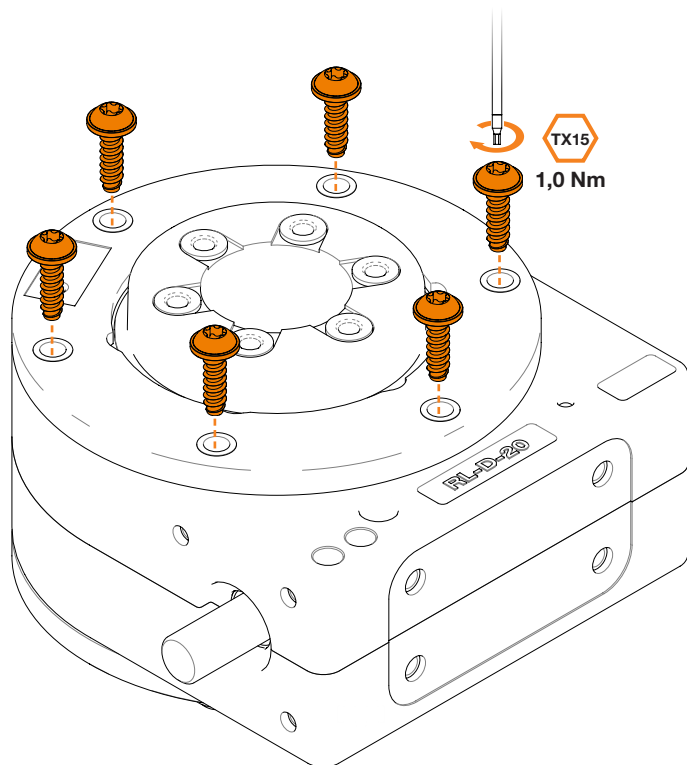
11



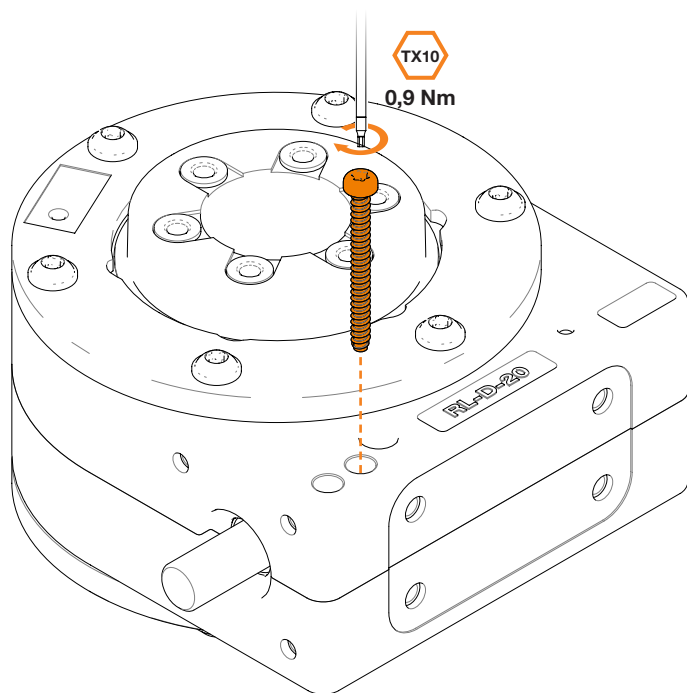
12



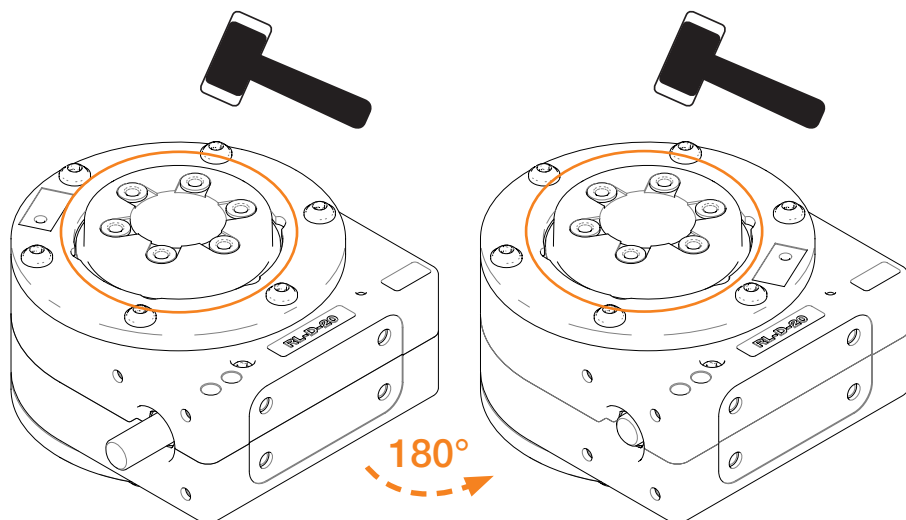
13



14

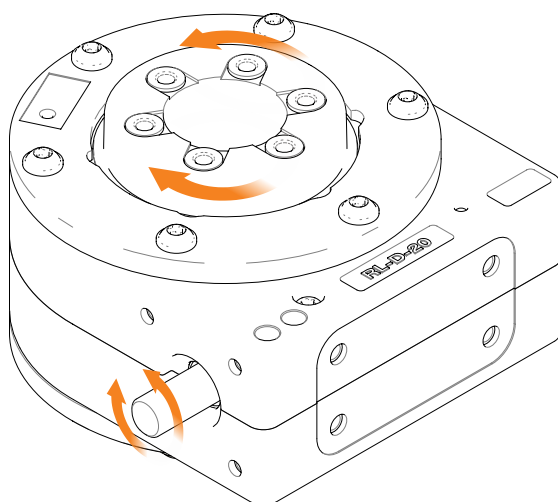


15



16

control





igus® GmbH
Spicher Str. 1a
51147 Köln Cologne
Tel. +49 2203 9649-145
Fax +49 2203 9649-334
info@igus.de
www.igus.de
www.igus.eu

© igus® GmbH

Herausgeber ist die igus® GmbH, Deutschland
Published by igus® GmbH, Germany
MAT0074624.25 Stand Issue 08/2019
Technische Änderungen vorbehalten
Subject to technical alterations