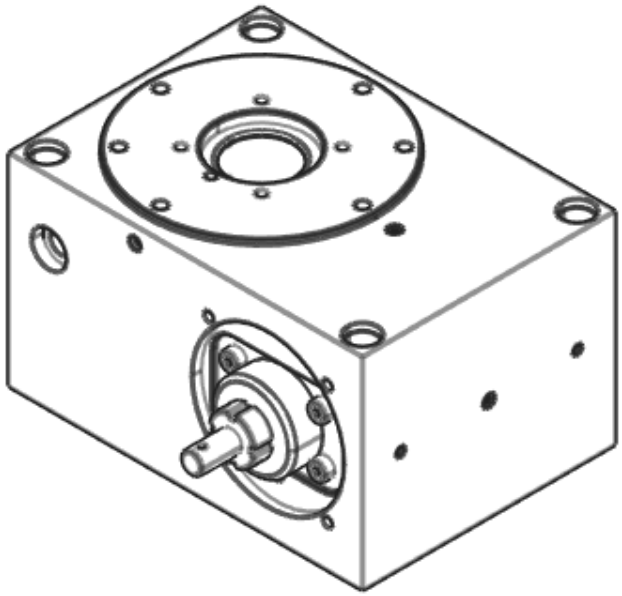
Parts lists and drawings



Manual rotary adjusters
DT 100/140

Version 01

IEF WERNER

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1 About this document

The parts lists and drawings in this document are a general representation. Specific parts (engine, gear unit, ...) are order-dependent and may vary.

Only order spare parts using the specific spare parts list supplied with the product.

1.1 Customer service department

In case of questions or problems, please contact our customer service:

IEF-Werner GmbH

Wendelhofstr. 6, 78120 Furtwangen, Germany

Telephone: +49 7723 / 925 - 222**,** E-mail: service@ief-werner.de

1.2 Change history

Version	Date	Changes
01	January, 2025	First edition

1.3 Other applicable documents

Important documents can be downloaded from our homepage: http://www.ief.de/dt-100140.

The documentation for this product includes:

- the instructions (see homepage).
- the declaration of incorporation / UKCA Declaration of Incorporation (see homepage)
- the specific spare and wear parts list enclosed with the product.
- the models, parts lists and drawings (see homepage).
- the documentation of the installed supplier components.

2 Parts lists

The parts lists and drawings in this document are a general representation. Specific parts (engine, gear unit, ...) are order-dependent and may vary.

Only order spare parts using the specific spare parts list supplied with the product.

2.1 Rotary table (part no. 1124828)

Pos.	Part no.	Designation 1	Designation 2	Quant-ity	Unit	Spare part / wear part
10	1124832	Housing	Type: DT 100/140	1	Pcs	
20	1124902	Worm gearing, cpl.	Type: DT 100/140	1	Pcs	
40	1124834	Rotary plate	Type: DT 100/140	1	Pcs	
50	1121118	Threaded ring, special, M30x1.5	Type: DT 100/140 H	1	Pcs	
60	1121119	Bearing tensioner	Type: DT 100/140 H	1	Pcs	
70	1124833	Bearing support Floating bearing	Type: DT 100/140	1	Pcs	
90	1124837	Clamping ring	Type: DT 100/140	1	Pcs	
100	1121112	Angular ball bearing	Type: 7006-B-2RS-TVP-UL	2	Pcs	Wear part
110	1124783	Deep groove ball bearing – 70 mm x 90 mm x 10 mm	Type: DIN 625-61814-2RSR-Y	1	Pcs	Spare part
120	1008976	Angular contact thrust ball bearing – 10 mm x 32 mm x 20 mm	Type: ZKLFA 1050 2RS	1	Pcs	Wear part
130	626900	Deep groove ball bearing – 12 mm x 28 mm x 8 mm	Type: DIN 625-6001-2RS	1	Pcs	Wear part
140	731905	Slotted nut	Type: ZM10	1	Pcs	Spare part
150	725868	Blind plug	Type: B-1/8	2	Pcs	
170	1434141	Funnel grease nipple with slot without collar	Type: DV1-M6x1.0 – bright zinc-plated steel, form A	2	Pcs	
180	1081704	Cover for cheese head screw with hexagon socket	Type: GPN 340 SW 3 – Ø 12 / Ø 3.3 – black	4	Pcs	
200	1119892	Grub screw, hex socket and flat point	Type: DIN 913 / ISO 4026 – M5 x 0.5 x 5 – A2-21H	2	Pcs	
210	1043539	Cheese head screw	Type: DIN 912 / ISO 4762 – M4 x 14 – A2-50	8	Pcs	
220	626209	Cheese head screw	Type: DIN 912 / ISO 4762 – M3 x 10 – 8.8 galv.	6	Pcs	
230	626483	Cheese head screw	Type: DIN 912 / ISO 4762 – M4 x 10 – 8.8 galv.	6	Pcs	

Pos.	Part no.	Designation 1	Designation 2	Quant-ity	Unit	Spare part / wear part
240	626933	Grub screw, hex socket and flat point	Type: DIN 913 / ISO 4026 – M5 x 10 – A2-21H	2	Pcs	

2.2 Clamping (part no. 1122694)

Pos.	Part no.	Designation 1	Designation 2	Quant-ity	Unit	Spare part / wear part
10	1123147	Clamping sleeve	Type: DT 100/140 H	1	Pcs	Spare part
20	1123146	Clamping block	Type: DT 100/140 H	1	Pcs	Spare part
30	1009544	Clamping lever, disengage-able M5x20	with NIROSTA insert Type: dL 120	1	Pcs	
40	1442053	Blind plug	Type: DT 100/140/160/200	1	Pcs	
50	1030706	Oval-head screw	Type: ISO 7380 – M5 x 20 – A2-50	1	Pcs	

2.3 Handwheel (part no. 1122695)

Pos.	Part no.	Designation 1	Designation 2	Quant-ity	Unit	Spare part / wear part
10	1121270	Torque support	Type: DT 100/140 H	1	Pcs	
20	1121274	Feed wheel with scaling at-tachment	Type: GN 736.1-62-Z10-D	1	Pcs	
30	1121348	Reducing sleeve	d=8.00mm D=10.00mm L=15.0mm Type: d=8.00 D=10.00 L=15.0	1	Pcs	
40	58043	Cheese head screw	Type: DIN 7984 – M5 x 20 – A2-50	1	Pcs	Wear part

2.4 Handwheel with digital display (part no. 1122696)

Pos.	Part no.	Designation 1	Designation 2	Quant-ity	Unit	Spare part / wear part
10	1121270	Torque support	Type: DT 100/140 H	1	Pcs	
20	1121274	Feed wheel with scaling at-tachment	Type: GN 736.1-62-Z10-D	1	Pcs	
30	1121362	Adapter tube d8	Type: DT 100/140 H	1	Pcs	
40	626467	Dowel pin	Type: DIN 1481 / ISO 8752 - 3 x 14 - St	1	Pcs	
60	58043	Cheese head screw	Type: DIN 7984 – M5 x 20 – A2-50	1	Pcs	

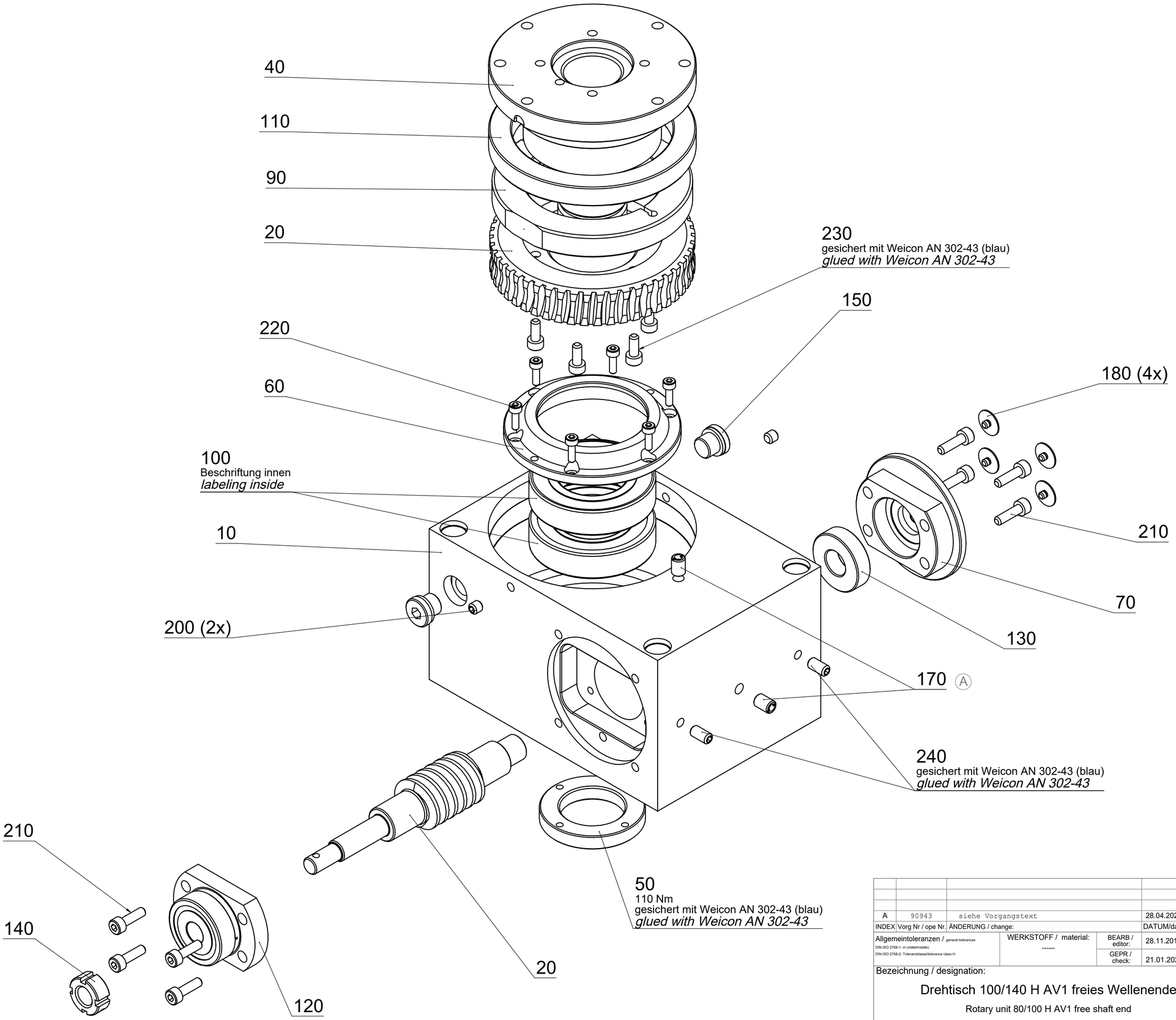
3 Drawings

The parts lists and drawings in this document are a general representation. Specific parts (engine, gear unit, ...) are order-dependent and may vary.

Only order spare parts using the specific spare parts list supplied with the product.

See also

- Rotary unit (Part no. 1124828) [▸ 8]
- Adjuster / Clamping (Part no. 1122694) [▸ 10]
- Handwheel (Part no. 1122695) [▸ 11]
- Handwheel for position indicator (Part no. 1122696) [▸ 12]



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A	90943	siehe Vorgangstext	28.04.2021	AlexandraK
INDEX	Vorg Nr / ope Nr.	ÄNDERUNG / change:	DATUM/date	NAME

Allgemeintoleranzen / general tolerances DIN ISO 2768-1: m (mittel/middle) DIN ISO 2768-2: Toleranzklasse/tolerance class H	WERKSTOFF / material: ------	BEARB / editor:	28.11.2013	Fritzsche
		GEPR / check:	21.01.2025	Iljazovic

Bezeichnung / designation:

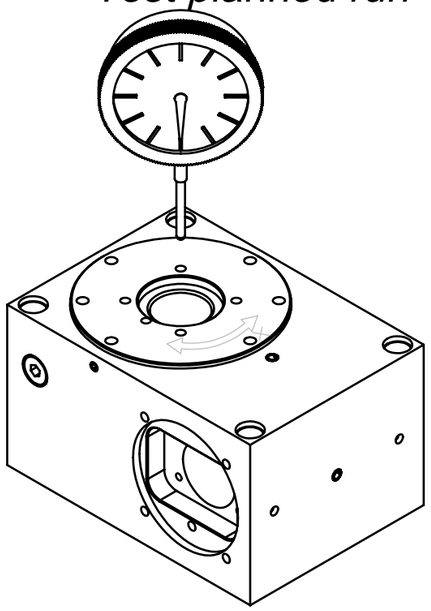
Drehtisch 100/140 H AV1 freies Wellenende

Rotary unit 80/100 H AV1 free shaft end

Bezeichnung 2: Typ: DT 100/140

ARTIKEL-NR / Item-No:	INDEX	FORMAT
1124828	A	2
MAßSTAB / scale: 1:1		BLATT / sheet 1 / 2
Ursprung:		

Prüfung Planlauf
Test planned run



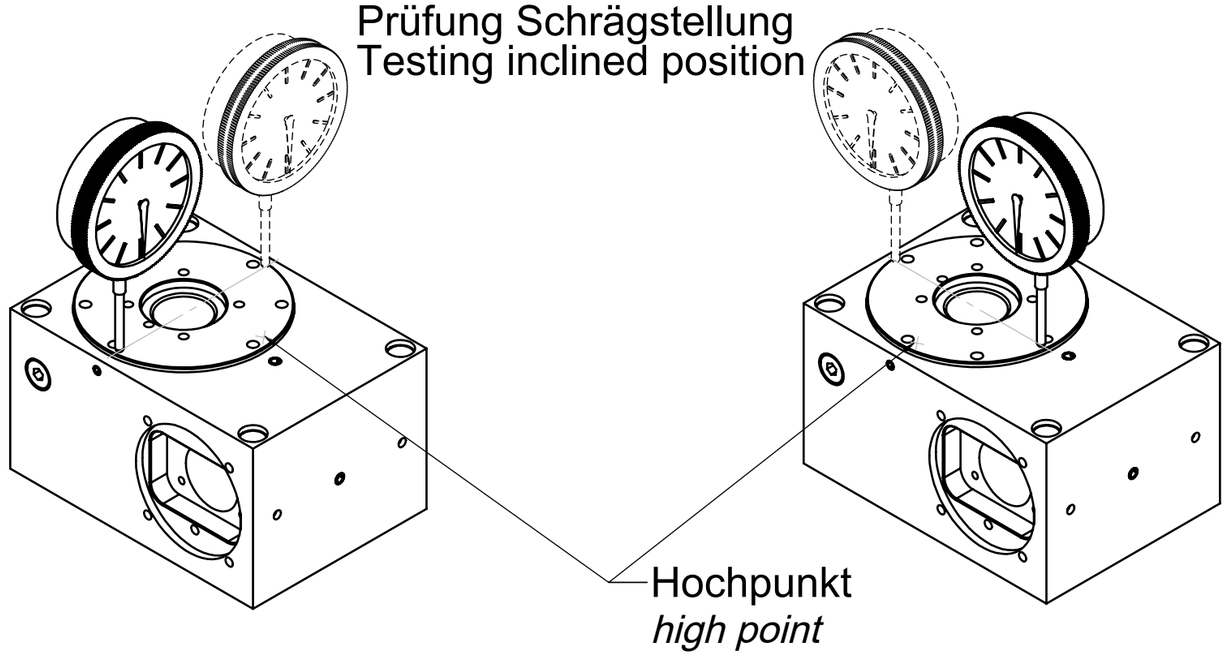
Drehteller drehen und den Planlauf am Durchmesser ca. 87 ermitteln
höchster Punkt markieren

Zulässiger Planschlag 0,02 mm

T*urn the turntable and determine the axial run-out at diameter approx. 87*
Mark the highest point

Permissible axial run-out 0.02 mm

Prüfung Schrägstellung
Testing inclined position



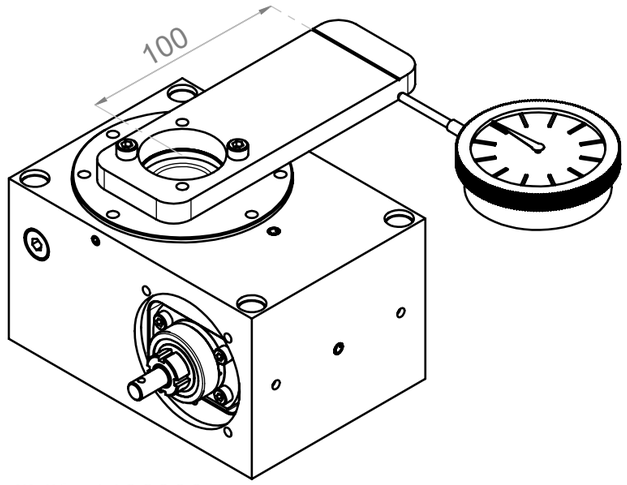
Schrägstellung durch horizontale Verschiebung Drehtisch oder Messuhr ermitteln.
Dabei befindet sich der Hochpunkt des Schlages gegenüber der Messlinie
Differenz aus beiden Messungen quadratisch addieren.

Zulässige Schrägstellung 0,04 mm

Determine the inclined position by moving the turntable or dial gauge horizontally.
The high point of the impact is opposite the measuring line
Square the difference between the two measurements.

Permissible inclination 0.04 mm

Prüfung Spiel der Schneckenverzahnung
Backlash in the worm gearing



Spiel in der Schneckenverzahnung mit Einstellhilfe 1132330
auf max. 0,1 mm Ausschlag bei R=100 mm einstellen
Backlash in the worm gearing with adjustment aid 1132330
set to max. 0.1 mm deflection at R=100 mm

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A	90943	siehe Vorgangstext		28.04.2021	AlexandraK
INDEX	Vorg Nr / ope Nr.	ÄNDERUNG / change:		DATUM/date	NAME
Allgemeintoleranzen / general tolerances DIN ISO 2768-1: m (mittel/middle) DIN ISO 2768-2: Toleranzklasse/tolerance class H		WERKSTOFF / material: ------	BEARB / editor:	28.11.2013	Fritzsche
			GEPR / check:	21.01.2025	Iljazovic

IFM WERNER

Bezeichnung / designation:

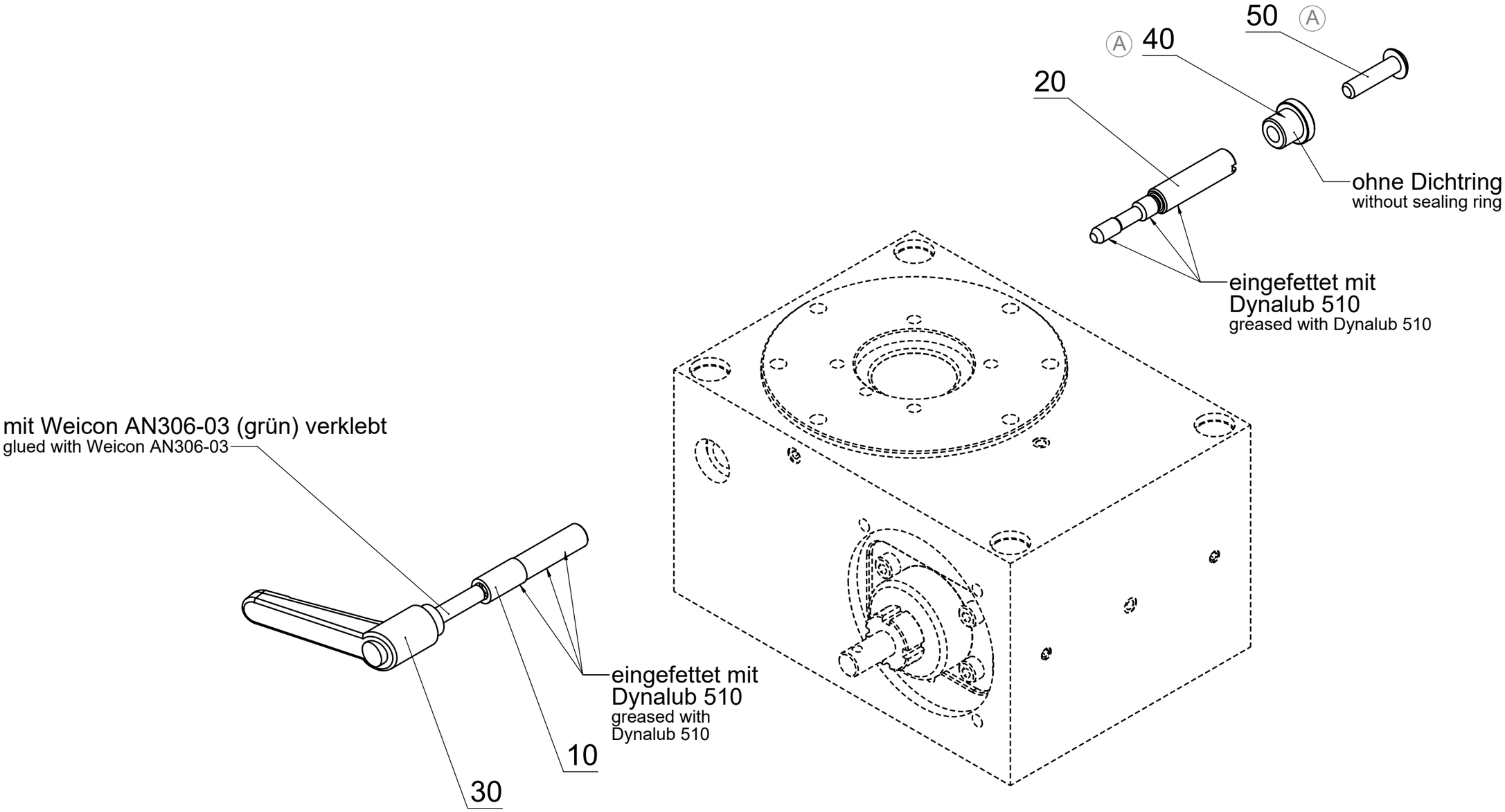
Drehtisch 100/140 H AV1 freies Wellenende

Rotary unit 80/100 H AV1 free shaft end
Prüfung Spiel der Schneckenverzahnung, Planlauf und Schrägstellung

Bezeichnung 2: Typ: DT 100/140

ARTIKEL-NR / Item-No:	INDEX	FORMAT
1124828	A	2
MAßSTAB / scale: 1:1		BLATT / sheet 2 / 2

Ursprung / origin:



A	92025	siehe Vorgangstext		12.01.2022	Fritzsche
INDEX	Vorg Nr / ope Nr.	ÄNDERUNG / change:		DATUM/date	NAME
Allgemeintoleranzen / general tolerances DIN ISO 2768-1: m (mittel/middle) DIN ISO 2768-2: Toleranzklasse/tolerance class H		WERKSTOFF / material: -	BEARB / editor:	30.08.2013	Fritzsche
			GEPR / check:	22.01.2025	Iljazovic

Bezeichnung / designation:

Feststellung kpl.

fastening cpl.

ARTIKEL-NR / Item-No:	INDEX	FORMAT
1122694	A	3

MAßSTAB / scale:	BLATT / sheet
1:1	1 / 1

Bezeichnung 2: Typ: DT 100/140 H

Ursprung:

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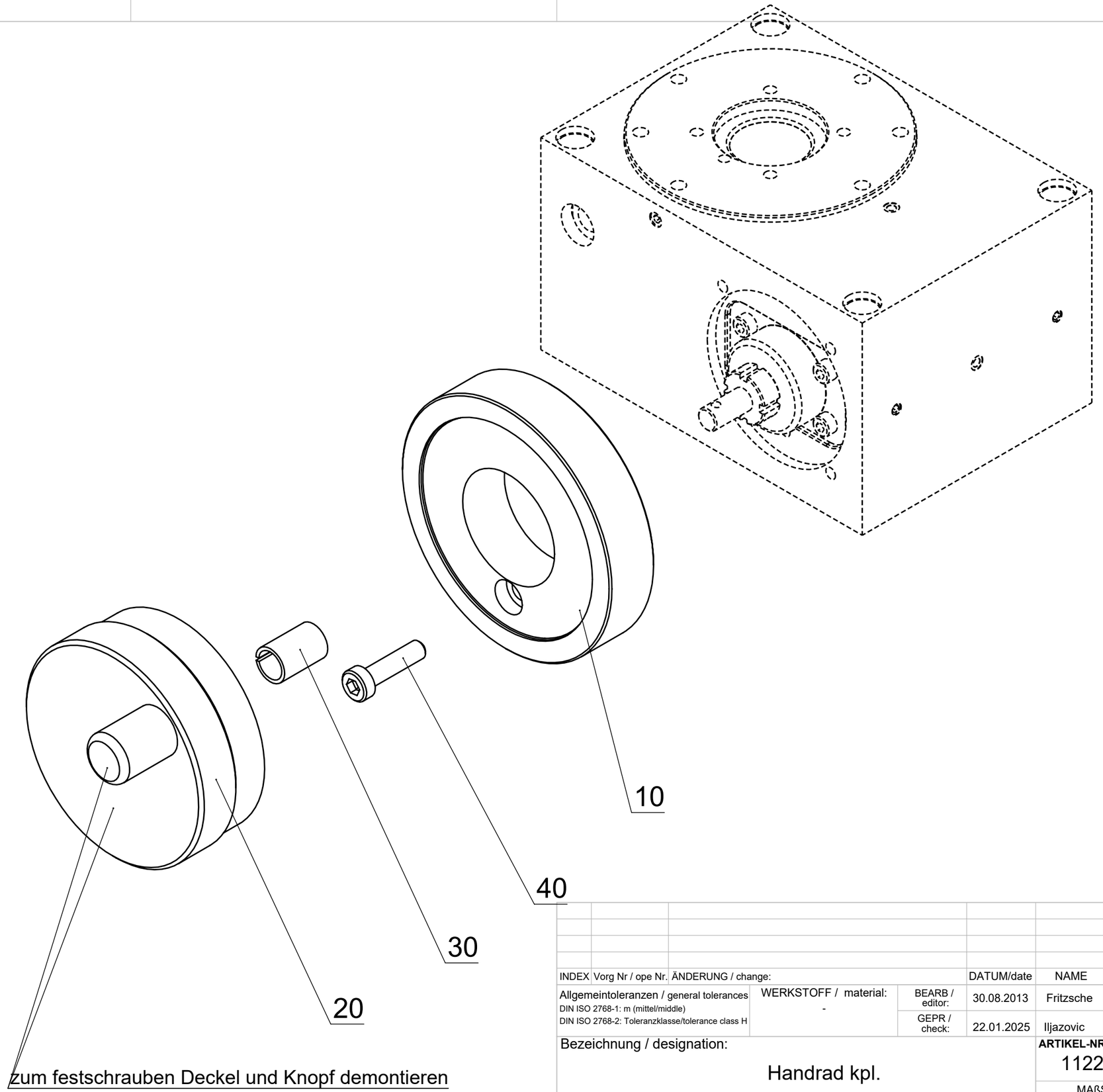

zum festschrauben Deckel und Knopf demontieren

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INDEX	Vorg Nr / ope Nr.	ÄNDERUNG / change:		DATUM/date	NAME

Allgemeintoleranzen / general tolerances DIN ISO 2768-1: m (mittel/middle) DIN ISO 2768-2: Toleranzklasse/tolerance class H	WERKSTOFF / material: -	BEARB / editor:	30.08.2013	Fritzsche
		GEPR / check:	22.01.2025	Iljazovic

Bezeichnung / designation:

Handrad kpl.

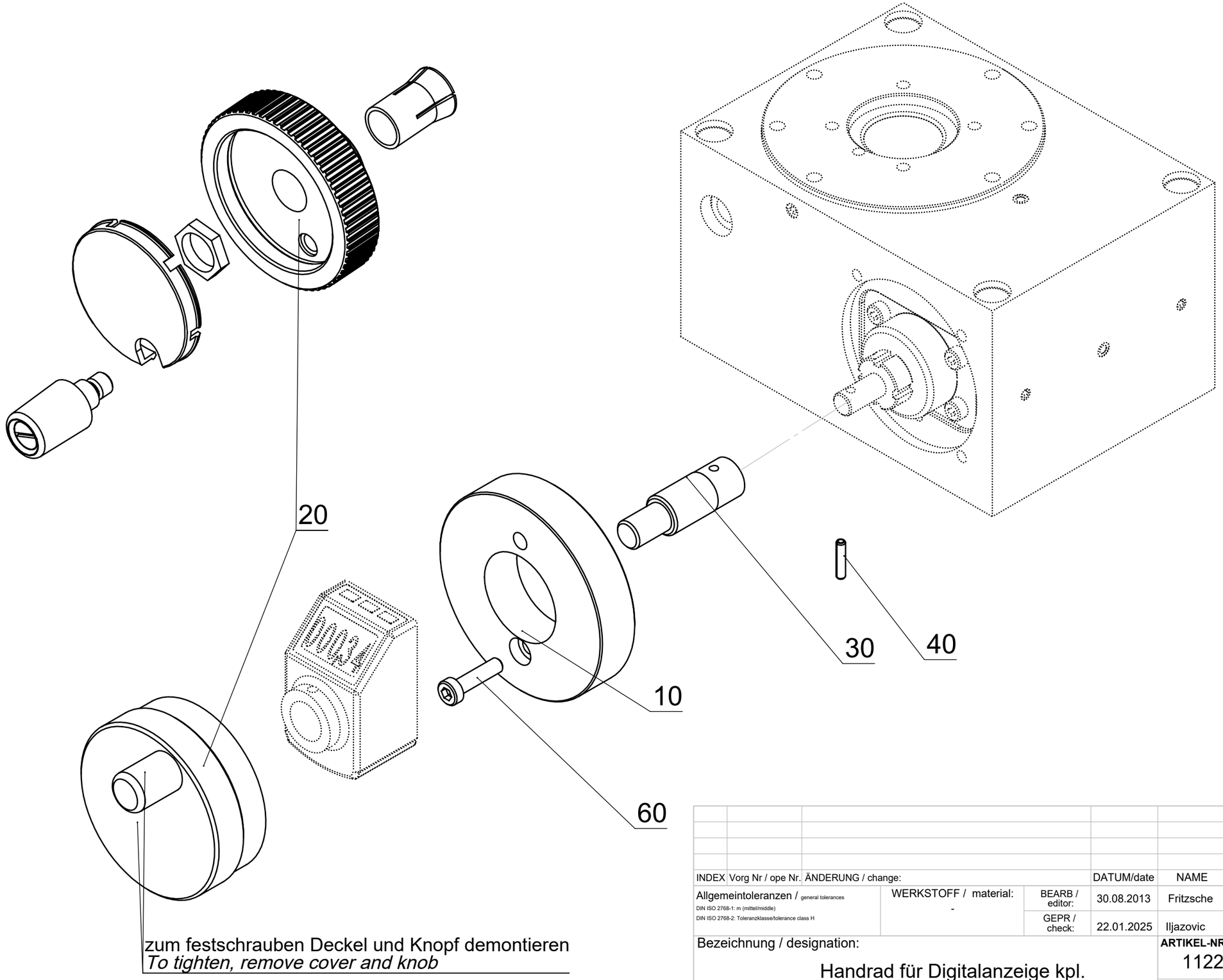
handwheel cpl.

ARTIKEL-NR / Item-No:	INDEX	FORMAT
1122695	-	3

MAßSTAB / scale:	BLATT / sheet
1:1	1 / 1

Bezeichnung 2: Typ: DT 100/140 H

Ursprung:



zum festschrauben Deckel und Knopf demontieren
To tighten, remove cover and knob

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INDEX	Vorg Nr / ope Nr.	ÄNDERUNG / change:		DATUM/date	NAME
Allgemeintoleranzen / general tolerances DIN ISO 2768-1: m (mittel/middle) DIN ISO 2768-2: Toleranzklasse/tolerance class H		WERKSTOFF / material: -	BEARB / editor:	30.08.2013	Fritzsche
			GEPR / check:	22.01.2025	Iljazovic

Bezeichnung / designation:

Handrad für Digitalanzeige kpl.

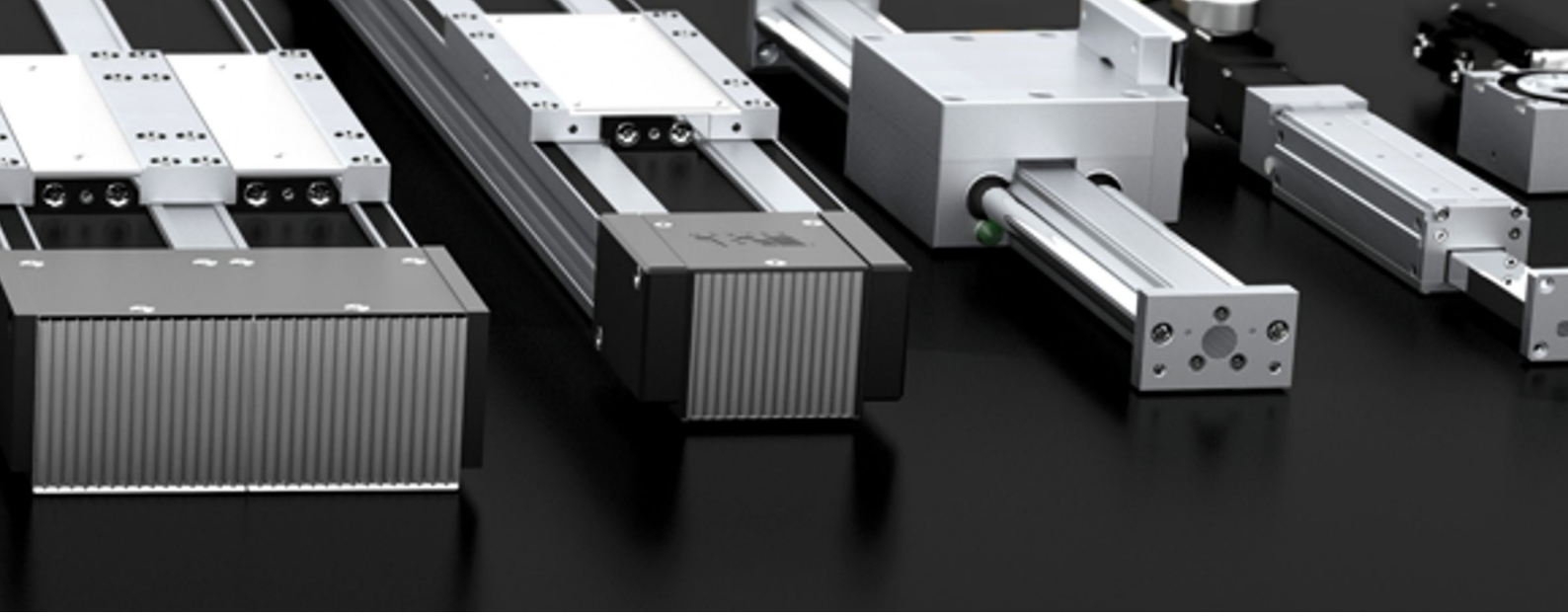
Handwheel for digital display cpl.

ARTIKEL-NR / Item-No:	INDEX	FORMAT
1122696	-	3

MAßSTAB / scale:	BLATT / sheet
1:1,25	1 / 1

Bezeichnung 2: Montageset
Typ: DT 100/140 H

Ursprung:



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