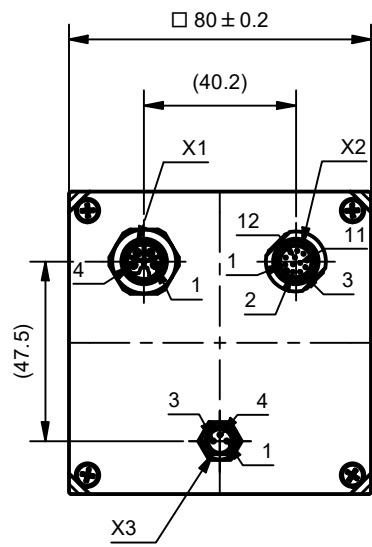
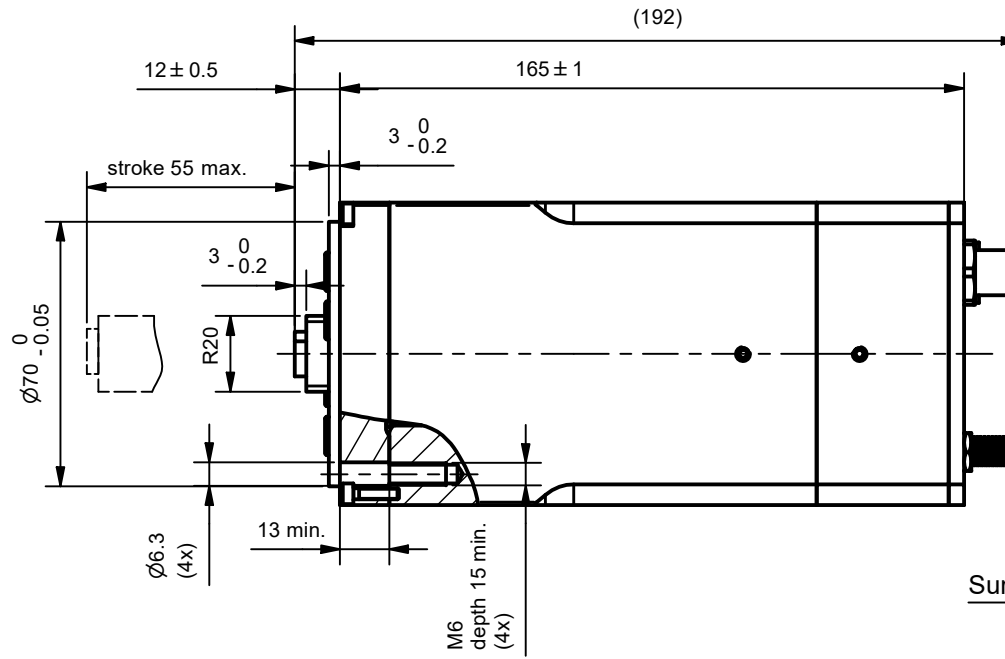
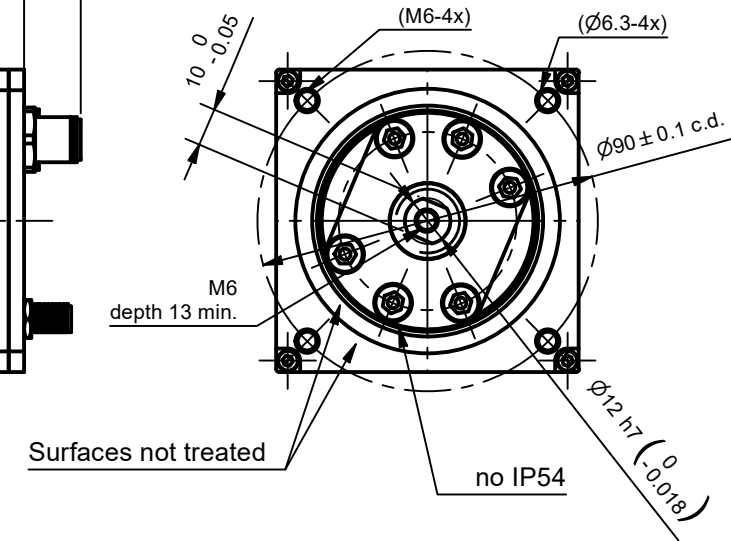
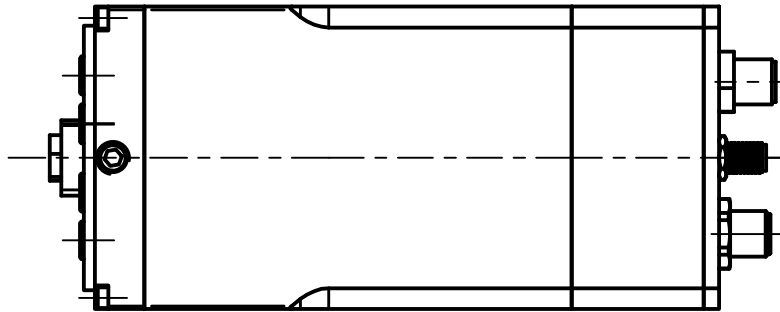




Motor body surfaces black anodized.
c.d. = center diameter bore

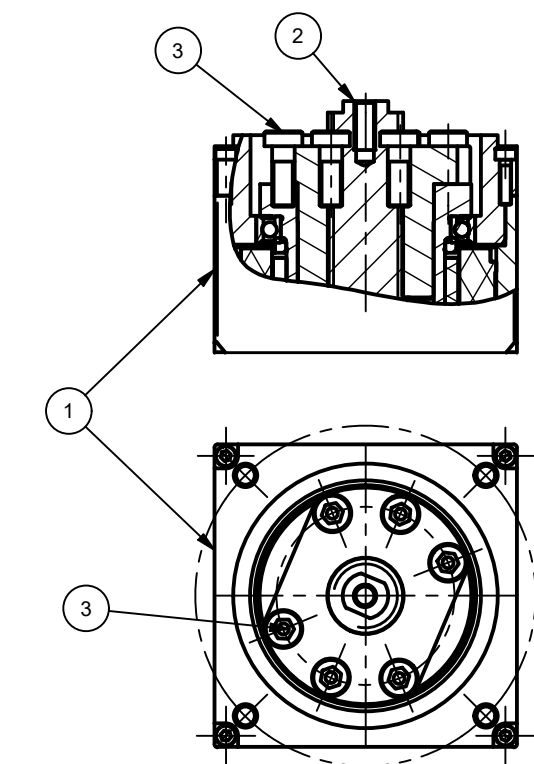
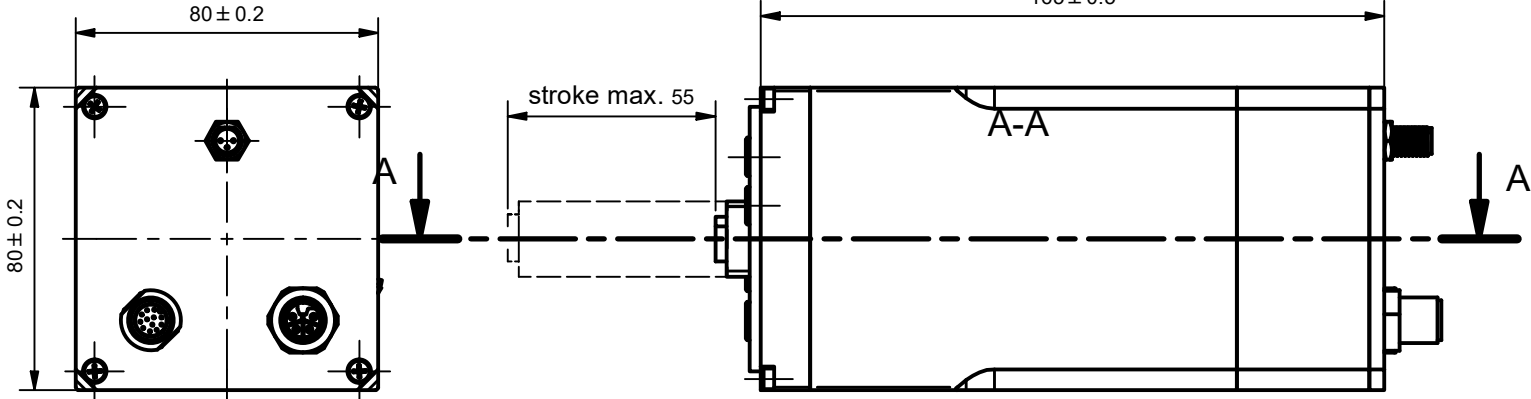
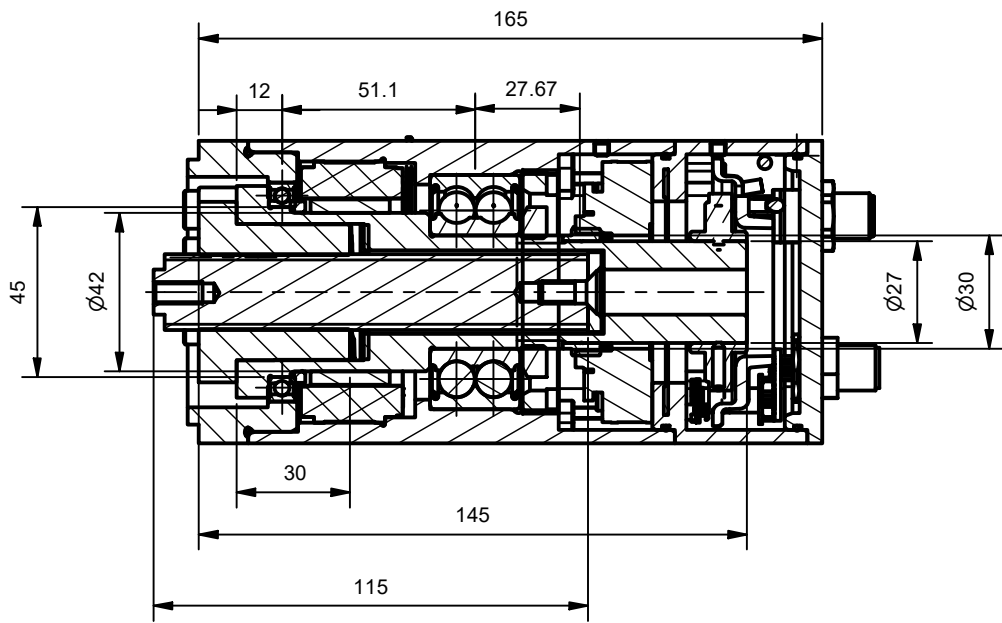
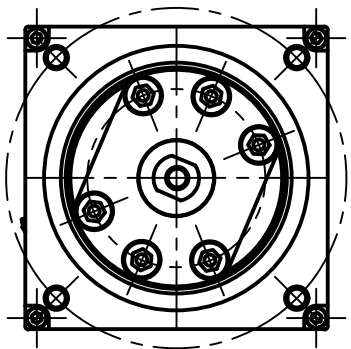
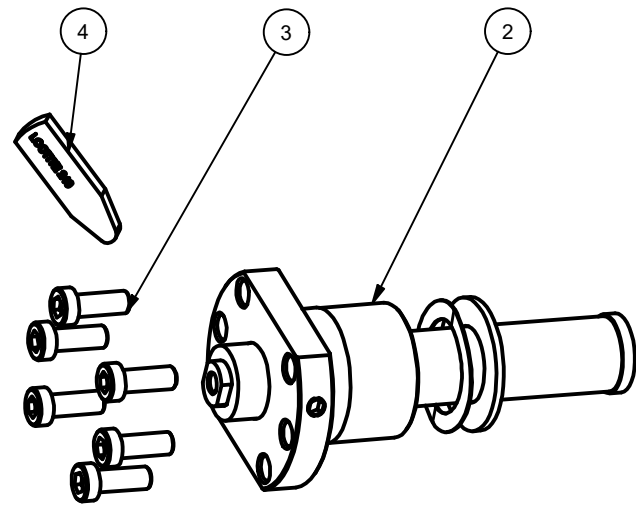
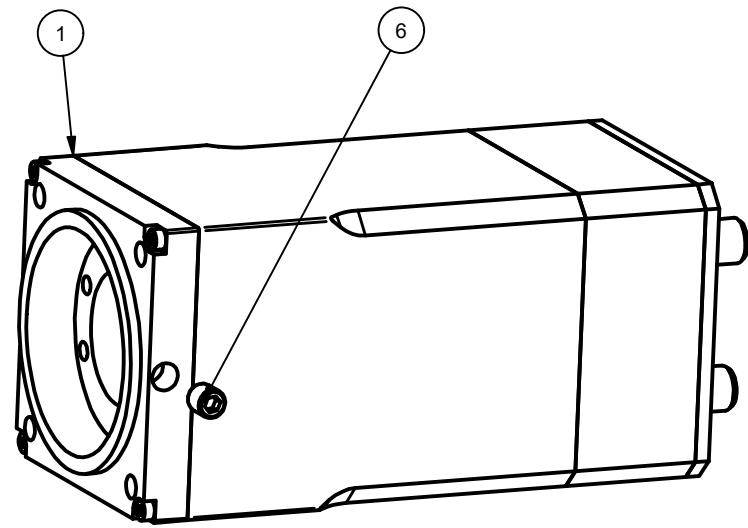
In addition to this data sheet the documentation of all components mentioned with part number is applicable and has to be considered

ISO 8015		ISO 1302		ISO 2768 c		ISO 13715		Material: n.a.			Weight: ± 10% N/A	
05	CR_NR-2026-0071	Kaufmann_M	29.10.2026		Date	Name	Article No.: LBA80LDR2050-E3B-55					
04	ECP-12-05-26	Kaufmann_M	09.06.2026	Drawn	30.08.2024	Kaufmann_M						
03	CR-2025-0064	Kaufmann_M	30.09.2025	Reviewed	19.09.2025	Kolev_I						
02	-55-added	Kaufmann_M	25.09.2025	Released	19.09.2025	Kaufmann_M	Drawing No.: 20002605					Scale: 1 : 2
01	File name changed	Kaufmann_M	23.09.2025									A4 Page 1
REV	Rev. Text	Name	Date									
							State: Released		Rev: 05		CONFIDENTIAL	

X2 Encoder incremental		X1 Power	
M12 / 12-Pole / A-Coding / Male		M12 / 4-Pole / L-coding / male	
PIN No.	Function	PIN No.	Function
1	V+	1	U
2	A\	2	V
3	A	3	W
4	B\	4	n.c.
5	B	cable shield on housing	
6	I\	X3 Brake	
7	I	M08 / 3-Pole / A-Coding / Male	
8	Hu	PIN No.	Function
9	Hv	1	Brake+
10	Hw	3	Brake-
11	Preset	4	n.c.
12	GND	cable shield on housing	
cable shield on housing			

Insert the ball-screw (pos.1) in the GM:

- 1. Hold the GM (pos.1) in vertical position to insert the ball-screw (pos.2).
- 2. Check: the grease filling hole in the ball screw must be closed with a grub screw!
- 3. Insert the ball-screw and fix it with 4 screws M6 (pos.3).
- 4. Tightening torque M6: max. 27 Nm
- 5. Closed the grease filling hole in the housing with a grub screw M8x8 (pos.6).



05 Motor body surfaces black anodized.
Dimension in the brackets are only informational

6	1	ISO4026-M8x8-45H-Zn					Grub screw with flat point hexagon socket										
4	1	n.a.					GLUE-LOCTITE-243										
3	6	n.a.					DIN 6912 M6 x 16 - 10.9										
2	1	20002603					AS-LBA80-BALLSCREW-PMI-R2050-assembl										
1	1	20002744					AS-LBA80-GM-2050-E3B-55										
POS.		QTY		DRW./NORM NR.					TITEL								
ISO 8015			ISO 1302			ISO 2768 c			ISO 13715			Material: n.a.			Weight: ± 10% N/A		
05	CR_NR-2026-0071			Kaufmann_M		29.10.2026			Date		Name		Article No.: LBA80LDR2050-E3B-55				
04	ECP-12-05-26			Kaufmann_M		09.06.2026		Drawn	30.08.2024		Kaufmann_M						
03	CR-2025-0064			Kaufmann_M		30.09.2025		Reviewed	19.09.2025		Kolev_I						
02	-55-added			Kaufmann_M		25.09.2025		Released	19.09.2025		Kaufmann_M						
01	File name changed			Kaufmann_M		23.09.2025											
REV	Rev. Text			Name		Date											
Drawing No.:					20002605					Scale: 1 : 2							
State: Released					Rev: 05					CONFIDENTIAL							
																	
A3 Page 3																	