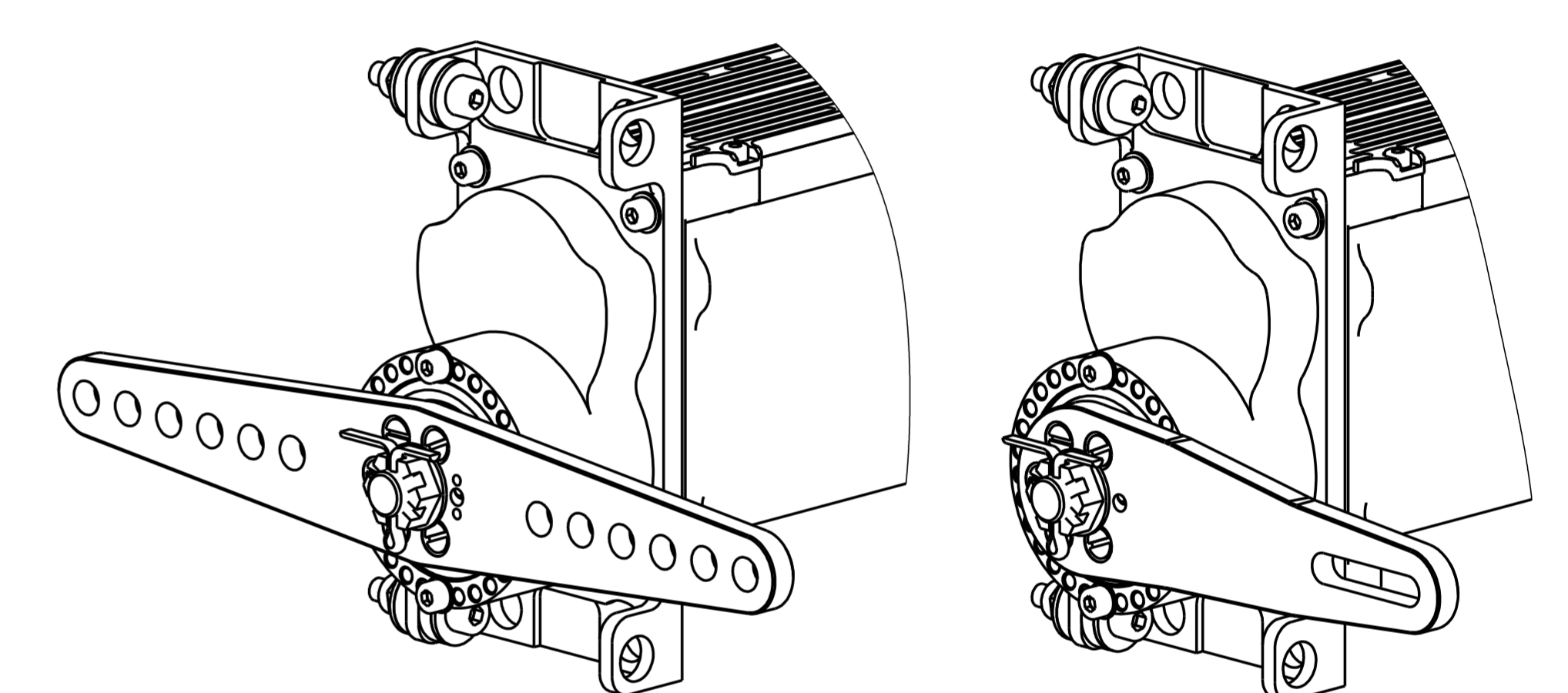
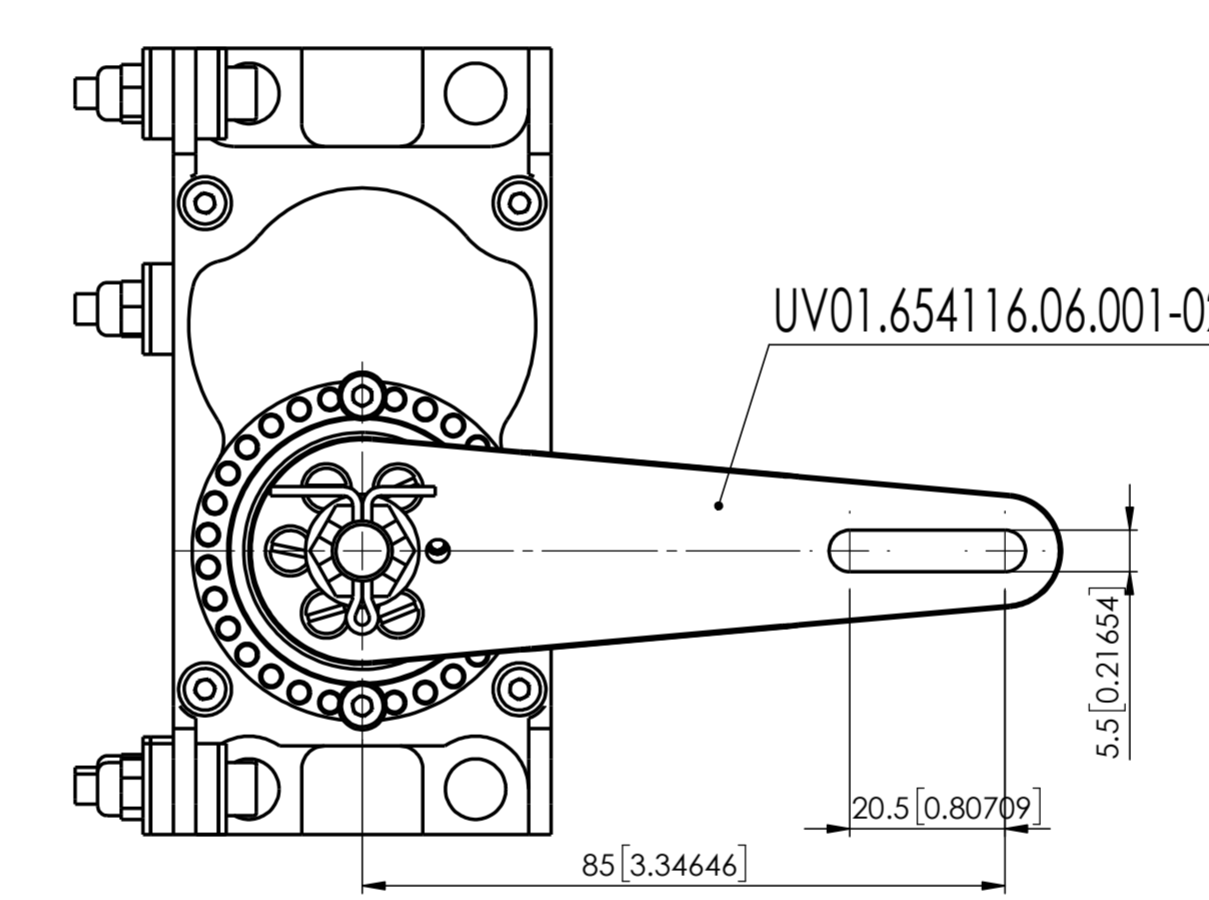
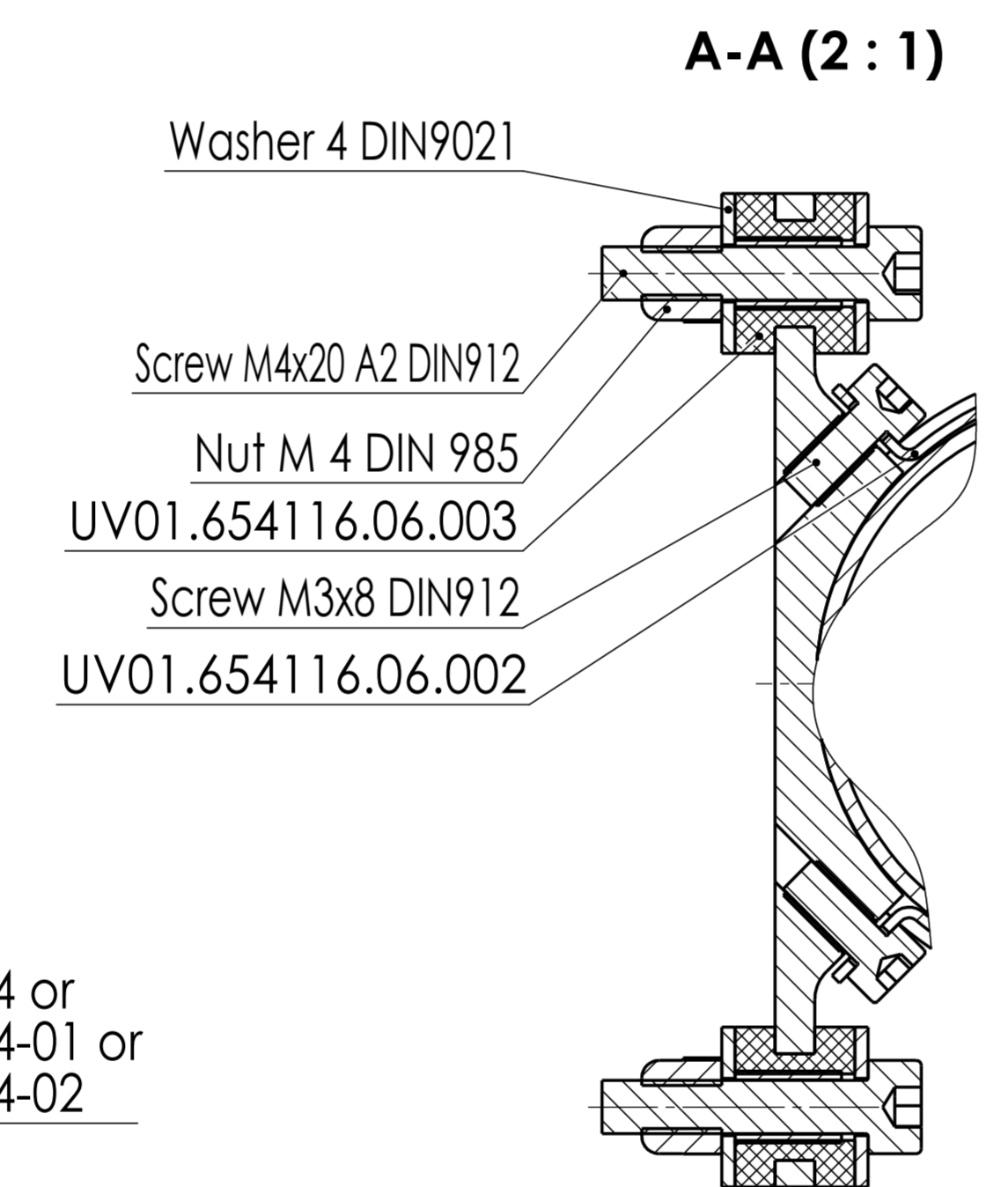
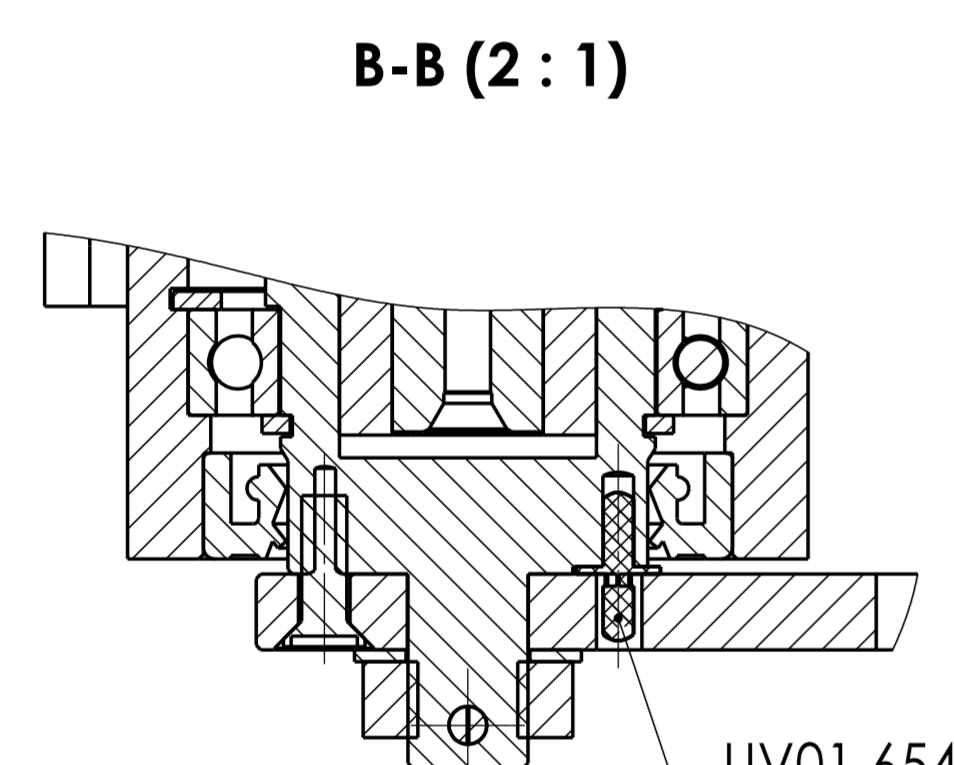
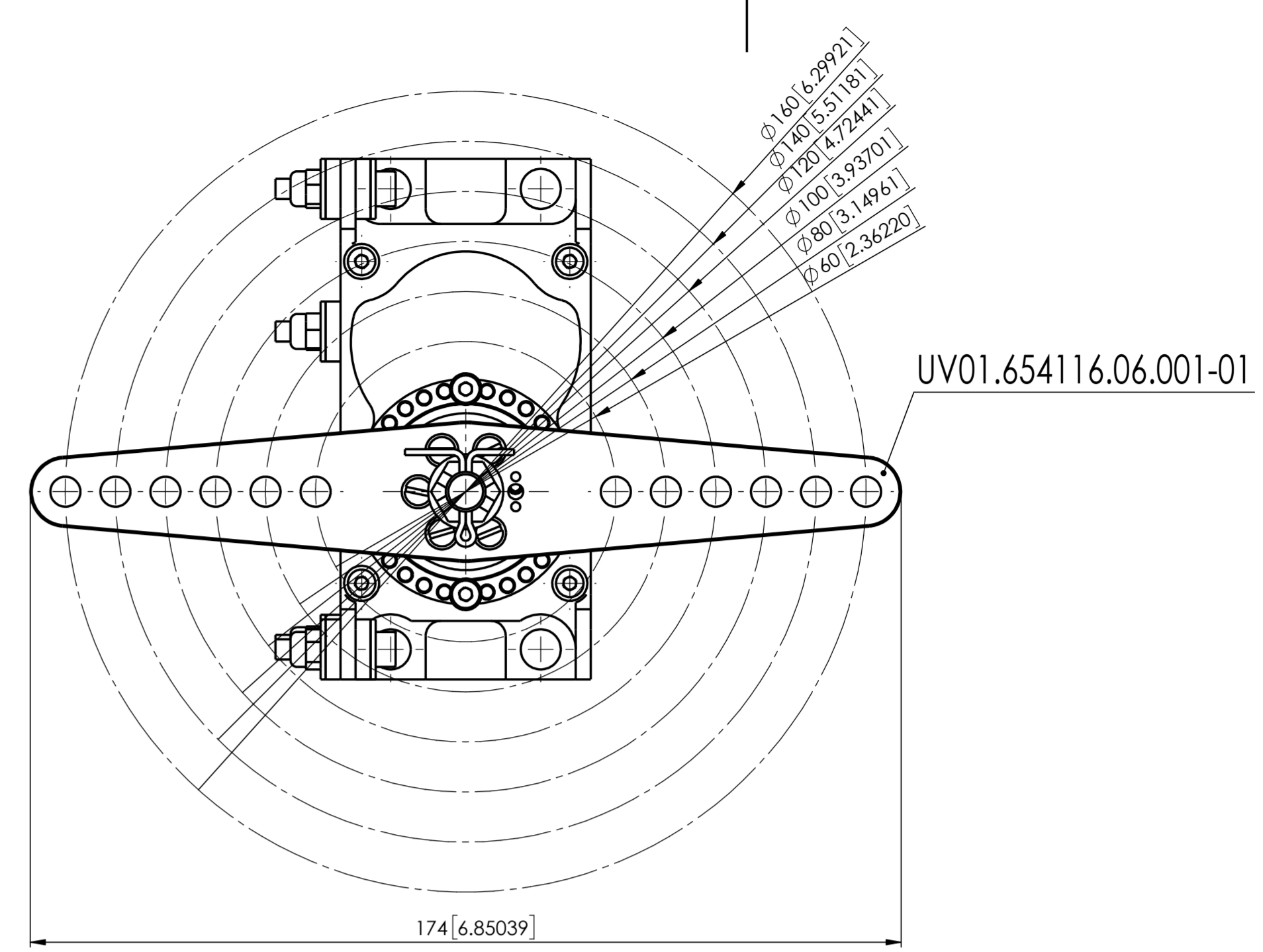
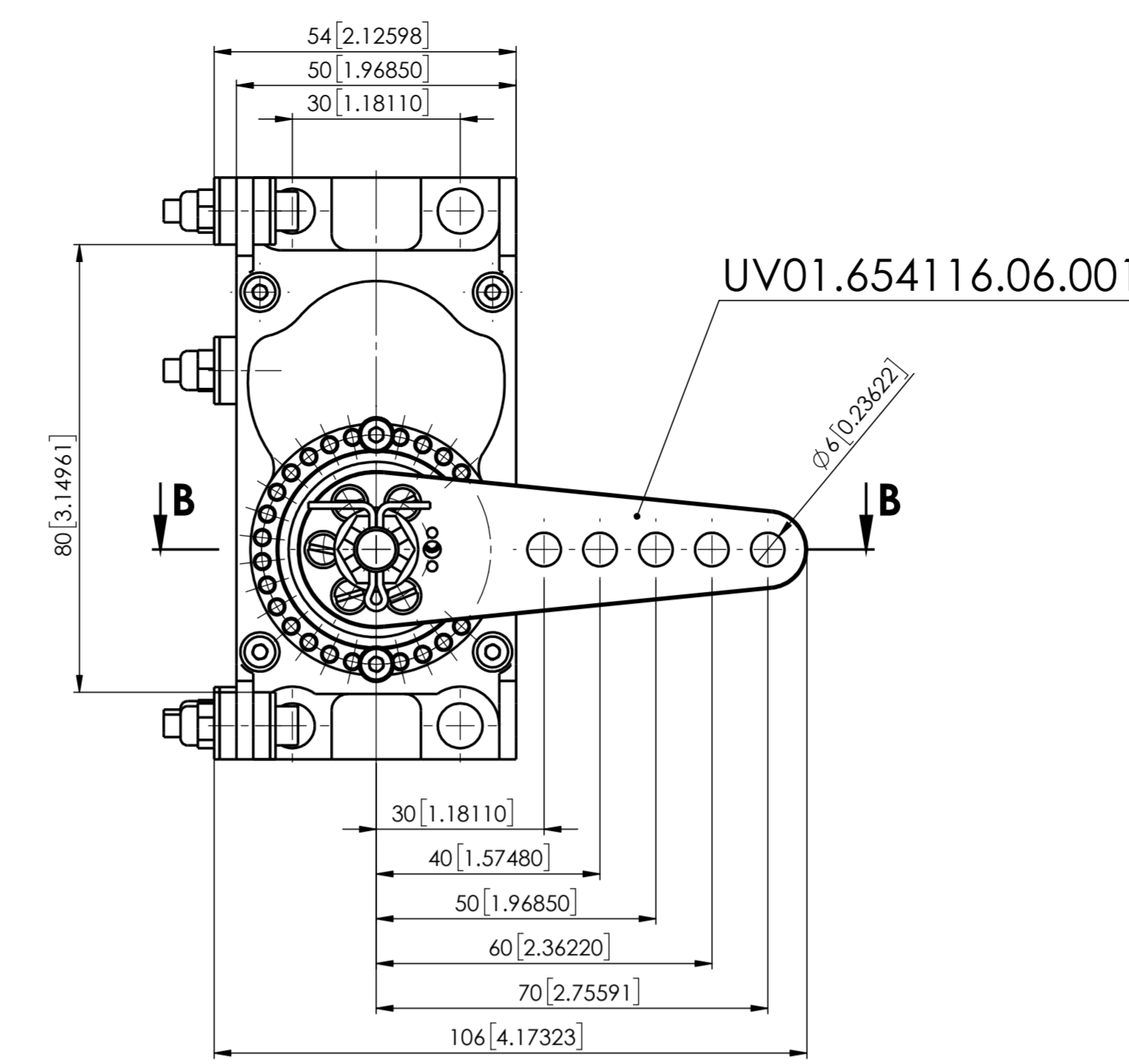
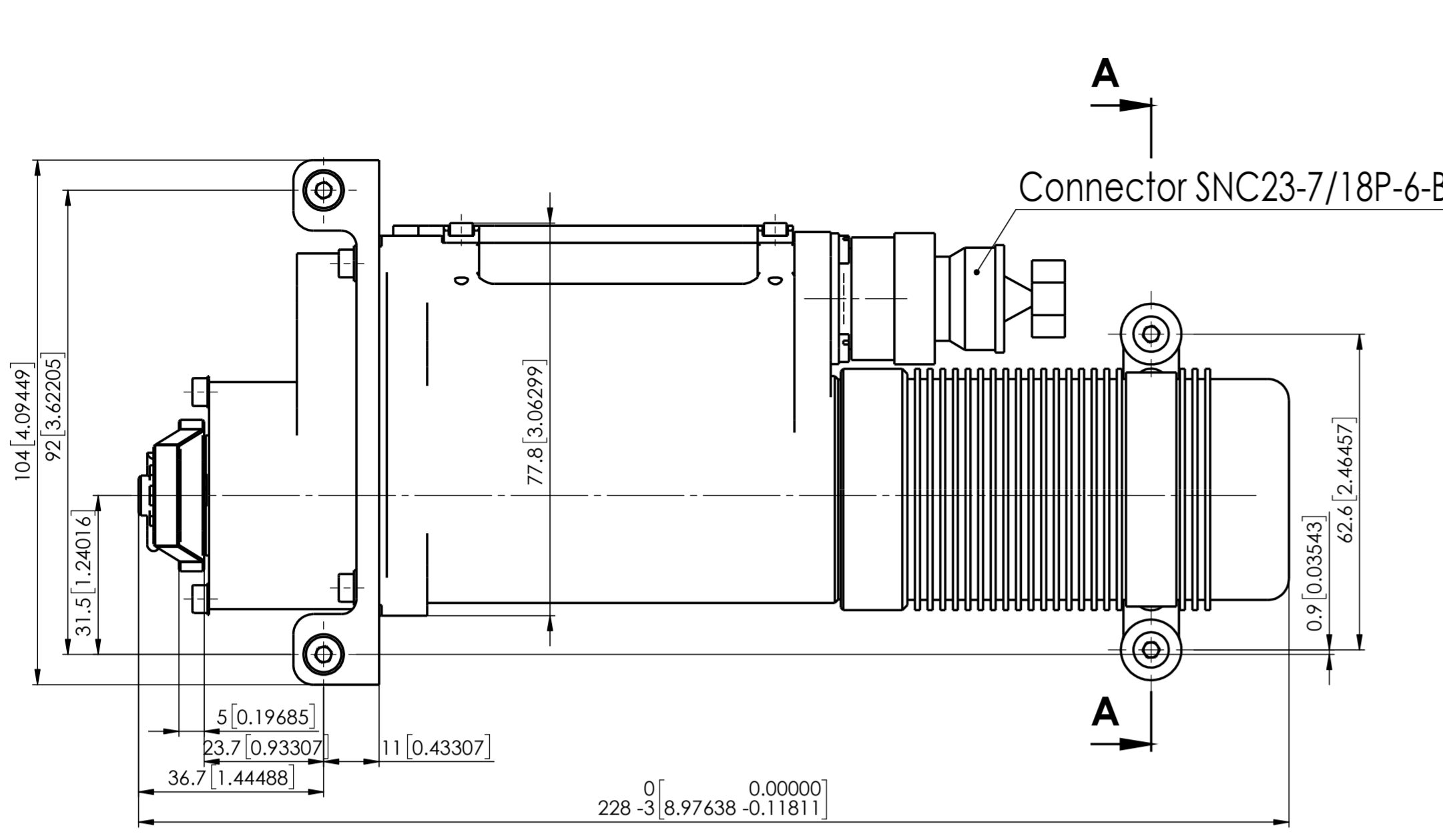
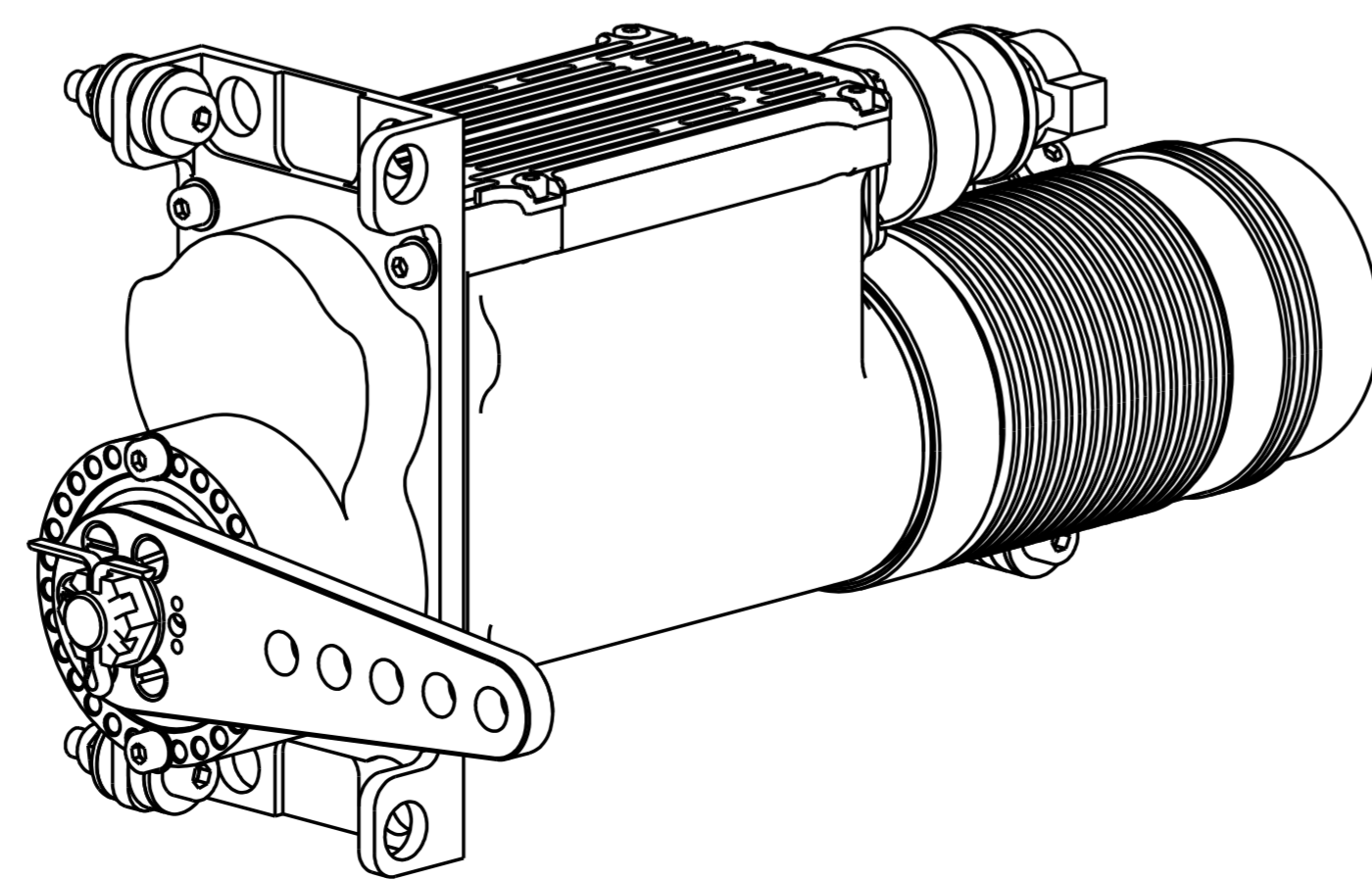
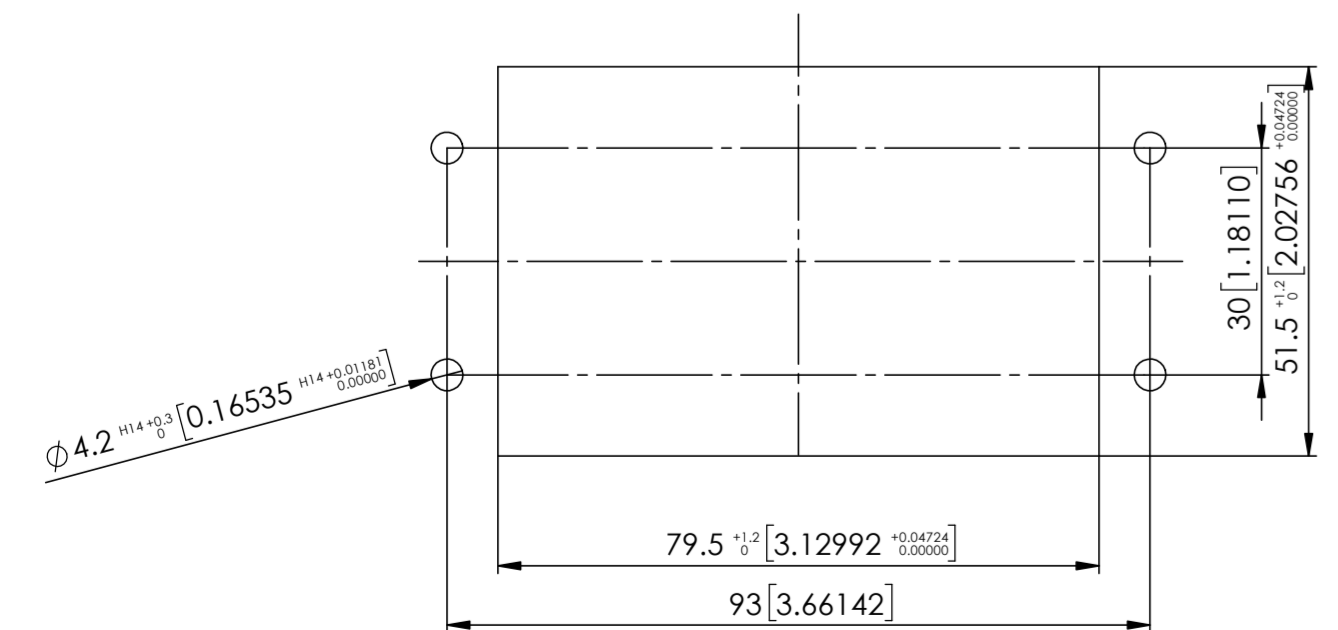


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



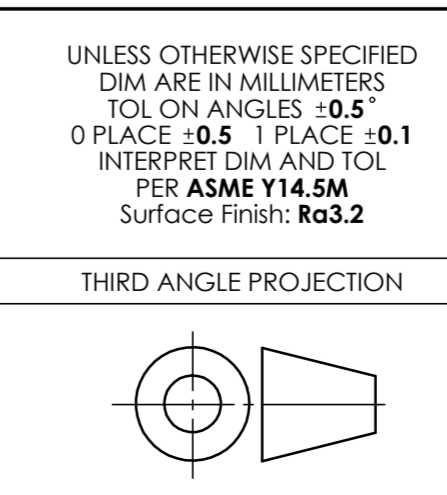
Mounting holes for mounting on the front flange



Technical characteristics	SD-01-160-1 UV01.654116.09
Power supply, VDC	24
Rated speed motor for continuous operation, min-1	4500
Reduction ratio	160:1
Rated output shaft speed for continuous operation, min-1	28.1
Operating temperature range, °C	-40 to +70
Rated output shaft torque for continuous operation, Nm	7.96
Nominal force on the breakaway element, N	796.00
Nominal force at hole 1 in the bellcrank, N	265.00
Nominal force at hole 2 in the bellcrank, N	199.00
Nominal force at hole 3 in the bellcrank, N	159.00
Nominal force at hole 4 in the bellcrank, N	132.00
Nominal force at hole 5 in the bellcrank, N	113.00
Nominal force at hole 6 in the bellcrank UV01.654116.06.001-01, N	99.50
Nominal force on the bellcrank UV01.654116.06.001-02, N	93.70

Nominal force (and torque) on the breakaway element, N	UV01.654116.004	UV01.654116.004-01	UV01.654116.004-02
Shear force, N	988.00	1380.60	1601.60
Cutting torque, Nm	9.88	13.86	16.01
Shear force at hole 1 in the bellcrank, N	329.60	462.00	533.60
Shear force at hole 2 in the bellcrank, N	247.20	346.50	400.25
Shear force at hole 3 in the bellcrank, N	197.80	277.20	320.20
Shear force at hole 4 in the bellcrank, N	164.80	231.00	266.83
Shear force at hole 5 in the bellcrank, N	141.20	198.00	228.71
Shear force at hole 6 in the bellcrank UV01.654116.06.001-01, N	123.60	173.25	200.13
Shear force in the bellcrank UV01.654116.06.001-02, N	116.20	163.00	188.35

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DRAFTER	
CHECKER	
DEV ENGR	
CONTRACT NO. UAVOS FUNDED	
MATERIAL	

UAVOS			
TITLE Servo Drive SD-01-160-1			
SIZE A1	CAGE CODE	DRAWING NUMBER UV01.654116.09	REV 10
SCALE 1:1	WEIGHT KG 1.200	SHEET 1 OF 1	