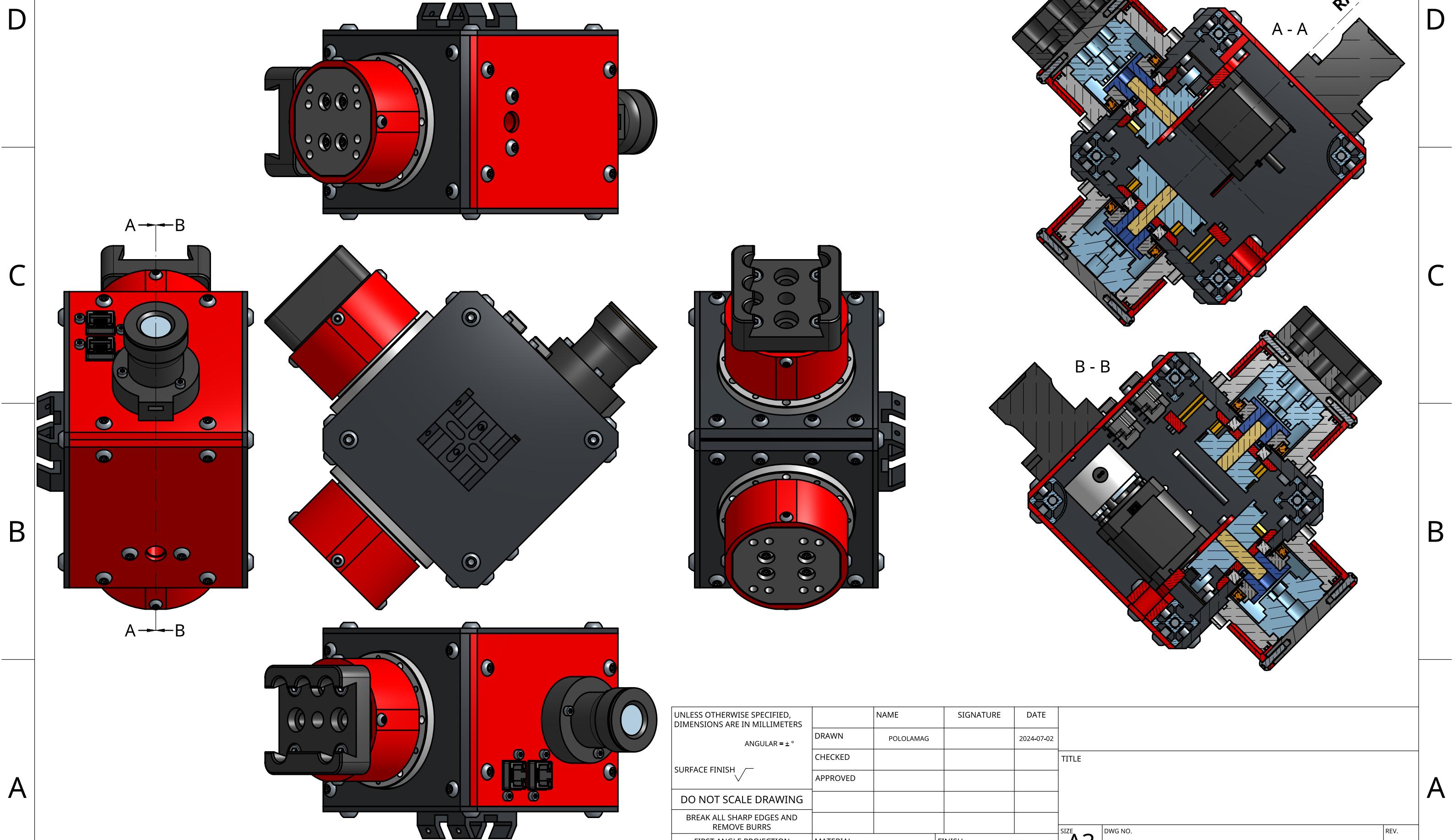


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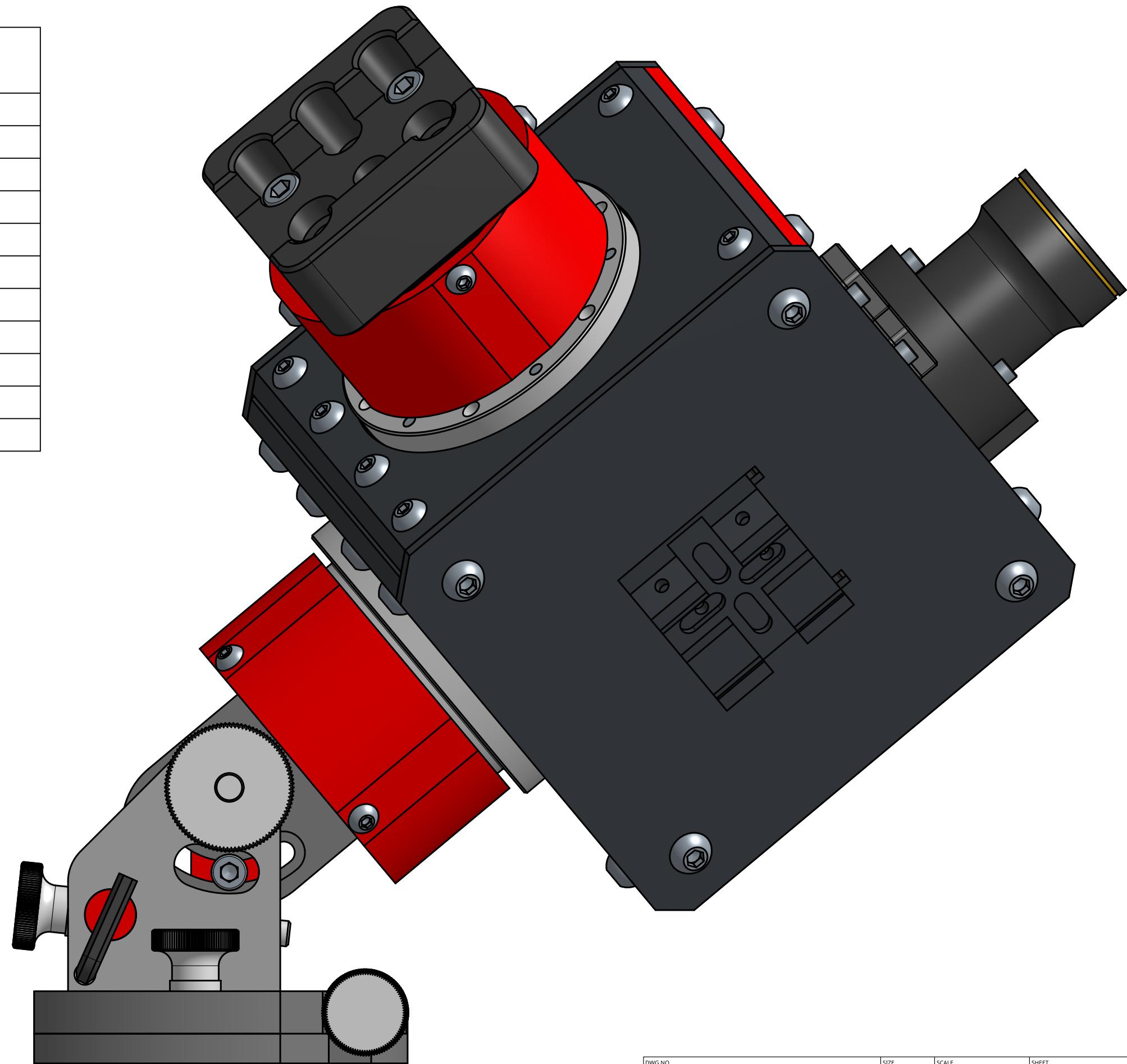
HEMY Harmonic Equatorial Mount Yourself



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS		NAME	SIGNATURE	DATE	TITLE
ANGULAR $\pm \text{ }^\circ$	DRAWN	POLOMAG		2024-07-02	
SURFACE FINISH \checkmark	CHECKED				
	APPROVED				
DO NOT SCALE DRAWING					
BREAK ALL SHARP EDGES AND REMOVE BURRS					
FIRST ANGLE PROJECTION	MATERIAL	FINISH			SIZE A3 DWG NO.
					REV.
	SCALE 1:2	WEIGHT			SHEET 1 of 6

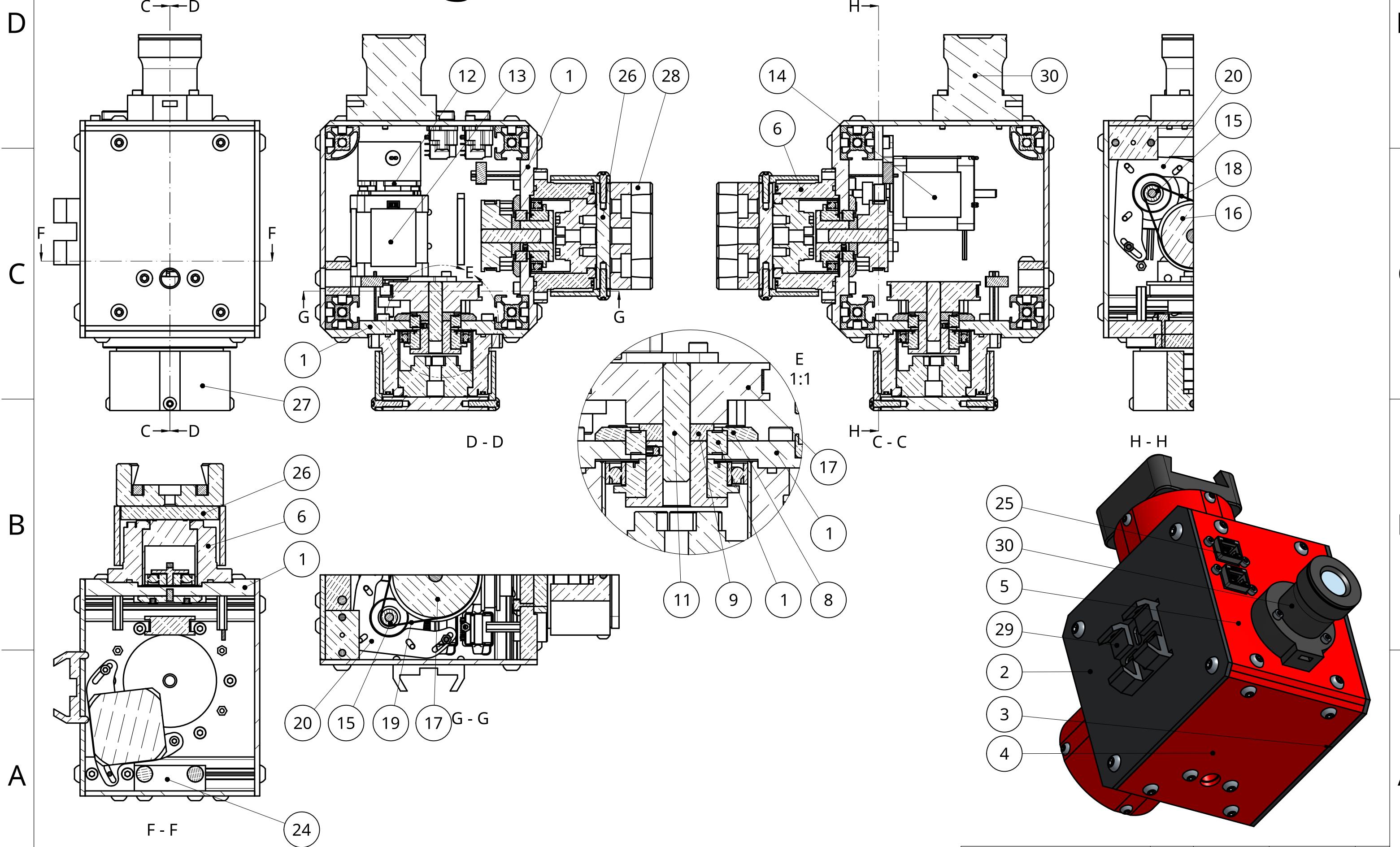
HEMY Harmonic Equatorial Mount Yourself

Specifications



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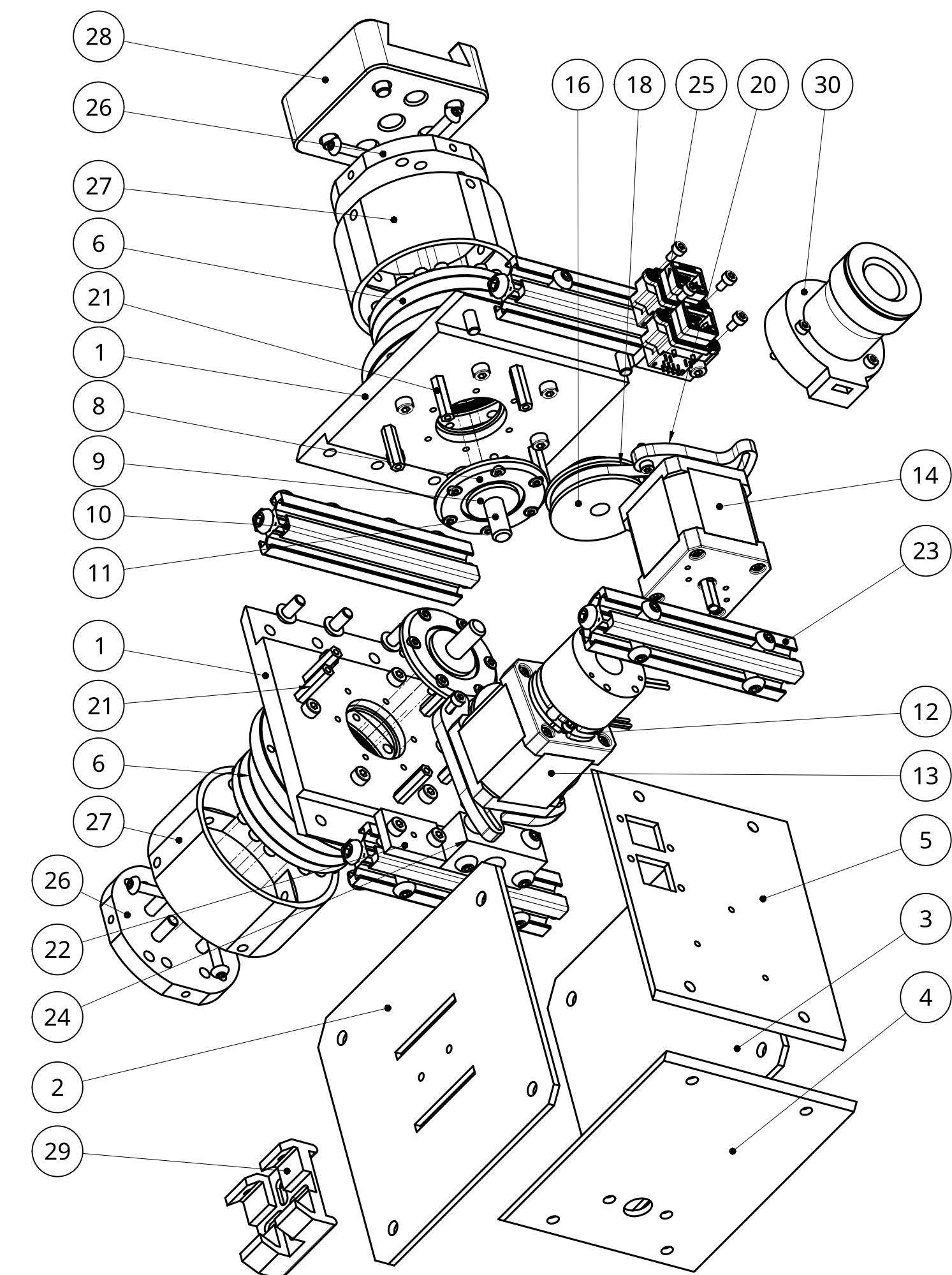
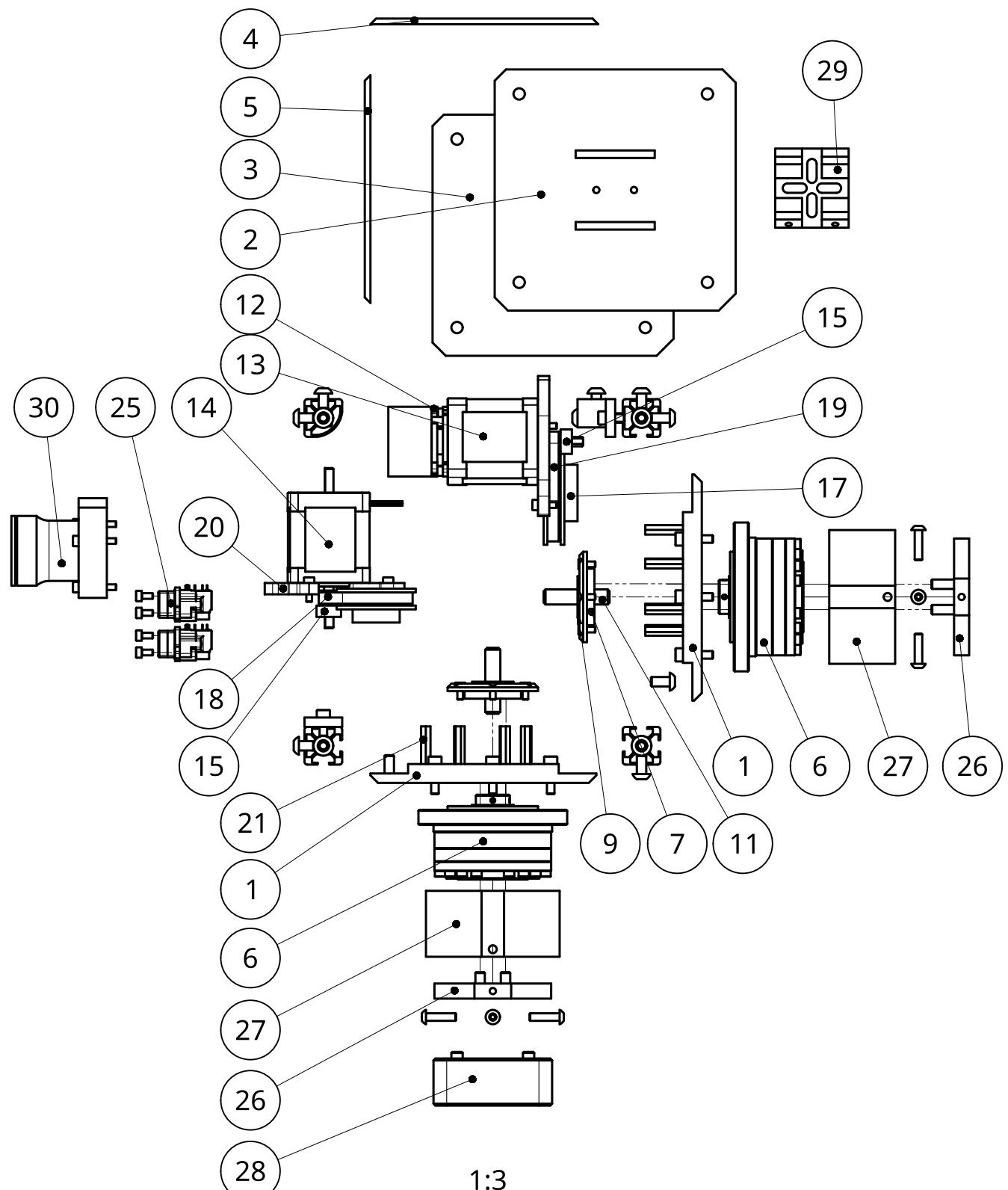
Global drawing - HEMY



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Explode view - HEMY

D



D

C

B

A

B

A

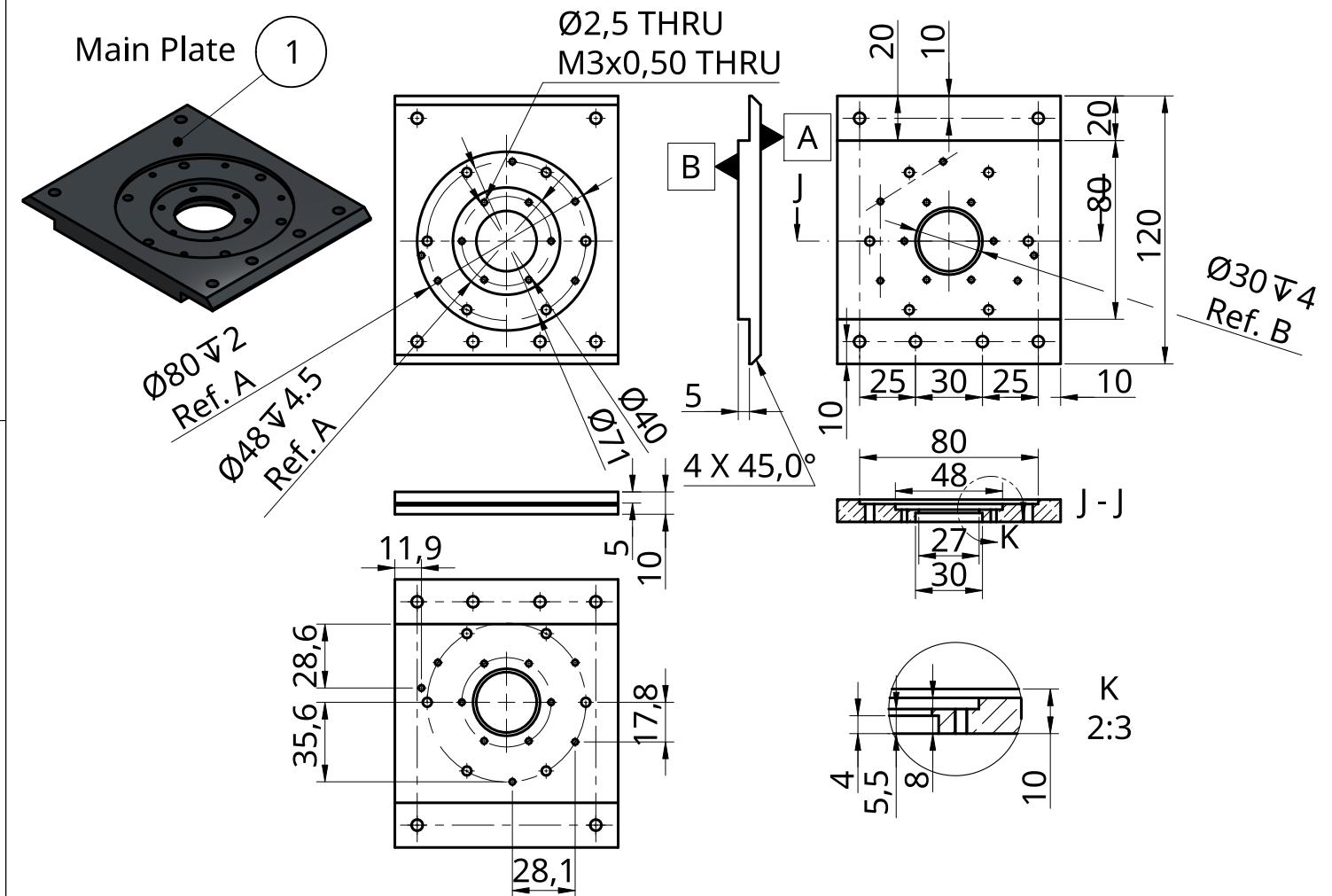
Bill of Materials - HEMY

D	Item	Quantity	Description	Mass
	1	2	01 - Main plate	0.214 kg
	2	1	02 - R plate	0.129 kg
	3	1	03 - L plate	0.132 kg
	4	1	04 - B plate	0.094 kg
	5	1	05 - T plate	0.091 kg
	6	2	06 - Harmonic drive (CSF-17-XXX-2UH)	0.539 kg
C	7	2	07 - Bearing 18307-RS	0.008 kg
	8	2	08 - Bearing housing	0.01 kg
	9	2	09 - Main pulley spacer	0.003 kg
	10	3	10 - Rexroth 20x20x100mm	0.041 kg
	11	2	11 - Diameter 8 shaft	0.014 kg
	12	1	12 - Nema 17 brake (SWB-01)	0.018 kg
	13	1	13 - Nema 17 double shaft 0.9° (17HM19-1684D)	0.412 kg
	14	1	14 - Nema 17 simple or double shaft 0.9° (17HM19-1684D)	0.32 kg
B	15	2	15 - Pulley 16T	0.003 kg
	16	1	16 - Pulley 60T	0.043 kg
	17	1	17 - Pulley 80T	0.075 kg
	18	1	18 - Belt 150mm	0.001 kg
	19	1	19 - Belt 200mm	0.001 kg
	20	2	20 - Motor support	0.02 kg
	21	10	21 - Spacer M3x20mm	0.003 kg
	22	2	22 - Spacer motor support	0.007 kg
	23	1	23 - Rexroth strut 20x20x100mm	0.039 kg
A	24	1	24 - Counterweight Support	0.028 kg
	25	2	25 - Ethernet connectors (MRJ538401)	0.008 kg
	26	2	26 - Vixen plug	0.061 kg
	27	2	27 - Harmonic skirt	0.024 kg

D	Item	Quantity	Description	Mass
	28	1	28 - Vixen clamp (Neewer QR011)	0.155 kg
	29	1	41 - (Optional) Polar viewfinder support	0.027 kg
	30	1	42 - (Optional) QHY Polemaster	0.065 kg
	31	4	Hex socket head cap screw M3x0.50 x 10 Stainless Steel	0.001 kg
	32	3	Hex socket head cap screw M3x0.50 x 20 Stainless Steel	0.002 kg
	33	16	Hex socket head cap screw M3x0.50 x 6 Stainless Steel	0.001 kg
	34	4	Hex socket head cap screw M4x0.70 x 10 Stainless Steel	0.002 kg
	35	12	Hex socket head cap screw M4x0.70 x 16 Stainless Steel	0.003 kg
	36	4	Hex socket head cap screw M6x1.00 x 10 Stainless Steel	0.005 kg
	37	8	Socket button head screw M4x0.7 x 16 Stainless Steel	0.002 kg
	38	16	Socket button head screw M5x0.8 x 10 Stainless Steel	0.002 kg
	39	4	Socket button head screw M5x0.8 x 16 Stainless Steel	0.003 kg
	40	2	Socket button head screw M5x0.8 x 25 Stainless Steel	0.005 kg
	41	10	Socket button head screw M5x0.8 x 8 Stainless Steel	0.002 kg
	42	8	Socket button head screw M6x1 x 16 Stainless Steel	0.005 kg

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D



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