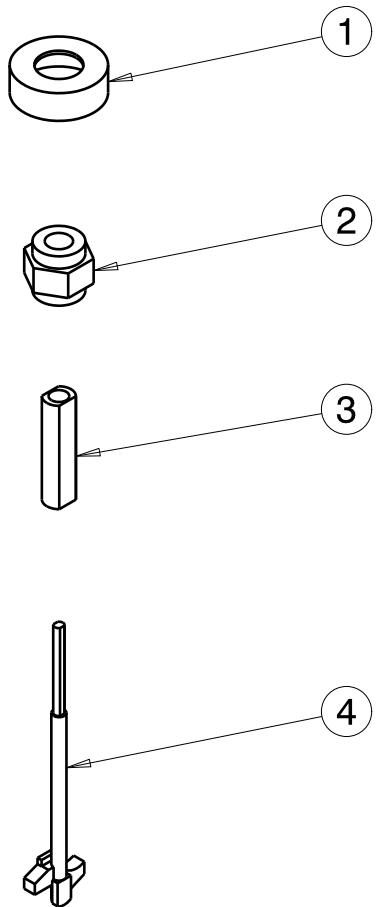
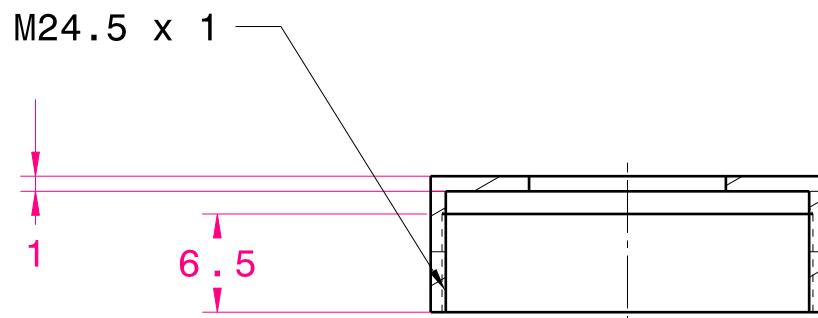
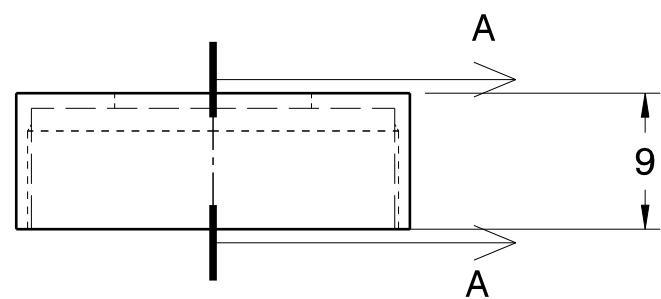
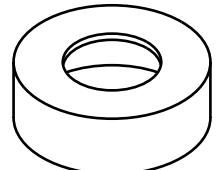
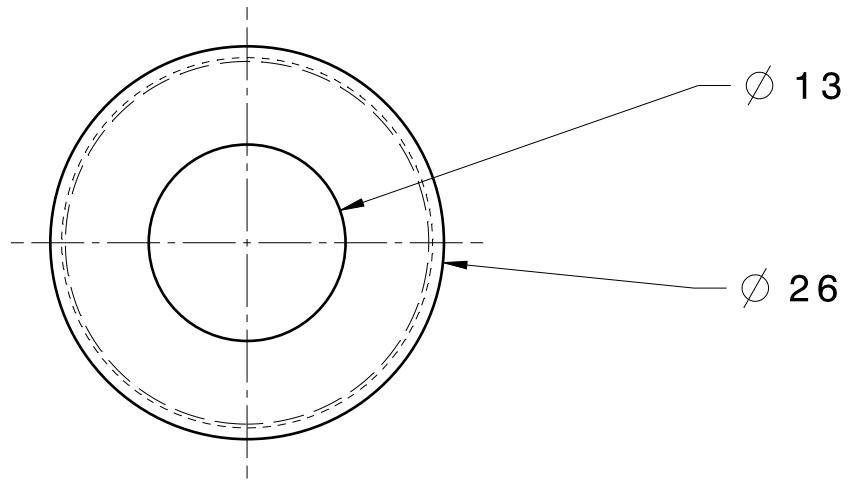


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REVIEWED BY:	PROF. ACEVEDO		
MODELED BY:	DRAKE HUGHES		
UNITS:	DRAWING TITLE: HUGHES LINEAR MOTION PARTS SUBASSEMBLY ISOMETRIC		
SCALE:	2=1	DATE:	04/10/2025
		SHEET:	01/06



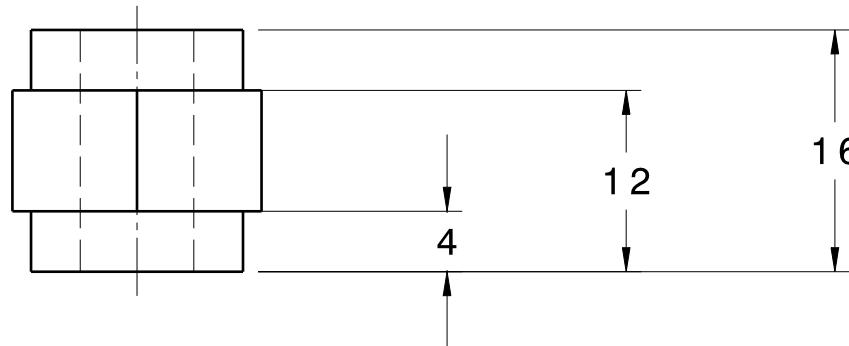
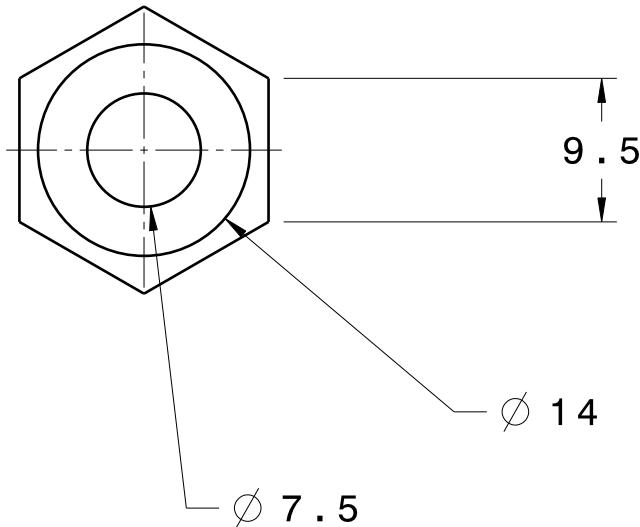
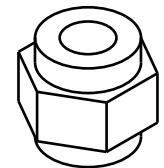
4	MAIN SHAFT	1	ALUMINUM
3	GOLDEN ROD	1	BRUSHED METAL
2	RING AROUND GOLDEN ROD	1	BRASS
1	GEAR COMPARTMENT CAP	1	PLASTIC
PART #	DESCRIPTION	QTY	MAT'L

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REVIEWED BY:	PROF. ACEVEDO	COLLEGE OF ENGINEERING		
MODELED BY:	DRAKE HUGHES	DRAWING TITLE: HUGHES LINEAR MOTION PARTS SUBASSEMBLY EXPLODED		
UNITS:	SCALE:	DATE:	SHEET:	02/06
	1=2	04/10/2025		



SECTION VIEW A-A

DIMENSION TOLERANCE		DRAWN BY: DRAKE HUGHES	 EMBRY-RIDDLE AERONAUTICAL UNIVERSITY COLLEGE OF ENGINEERING		
DECIMAL:	± .1	REVIEWED BY: PROF. ACEVEDO			
ANGULAR:	± 1°	MODELED BY: DRAKE HUGHES	DRAWING TITLE: HUGHES GEAR COMPARTMENT CAP		
		UNITS: MM			
		SCALE: 2:1	DATE: 04/10/2025	SHEET: 02/06	

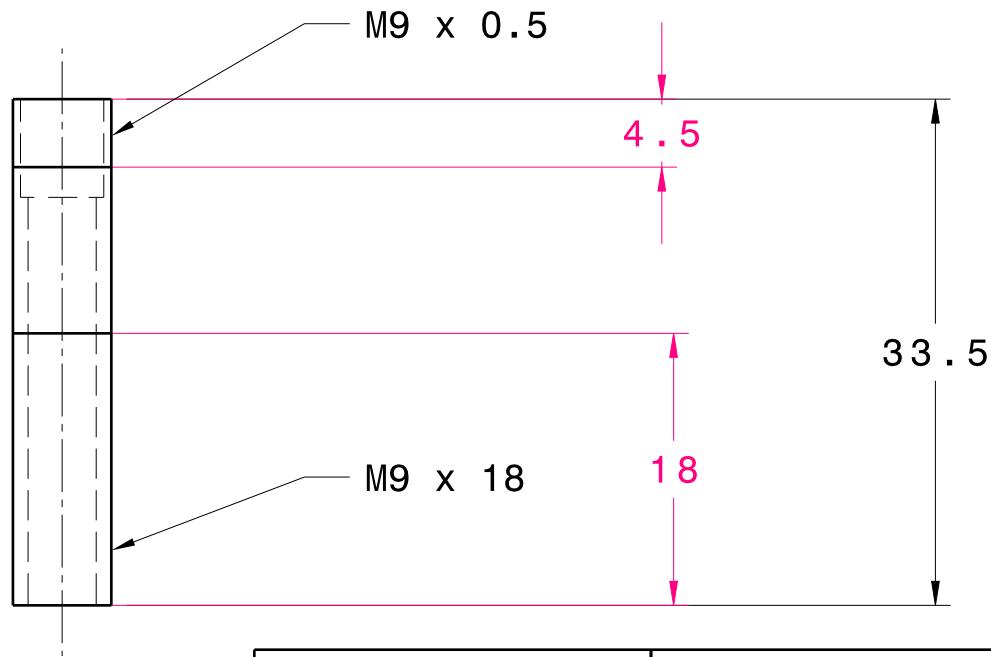
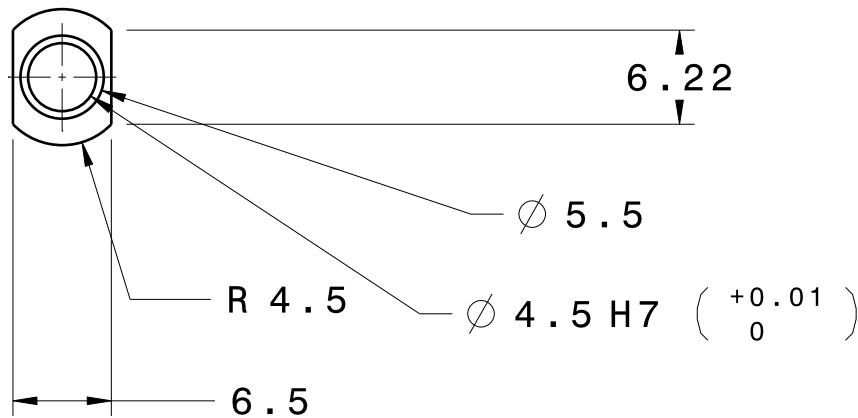


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REVIEWED BY:	PROF. ACEVEDO		
MODELED BY:	DRAKE HUGHES		
UNITS:	MM		
SCALE:	2:1	DATE:	04/10/2025
SHEET:	04/06		



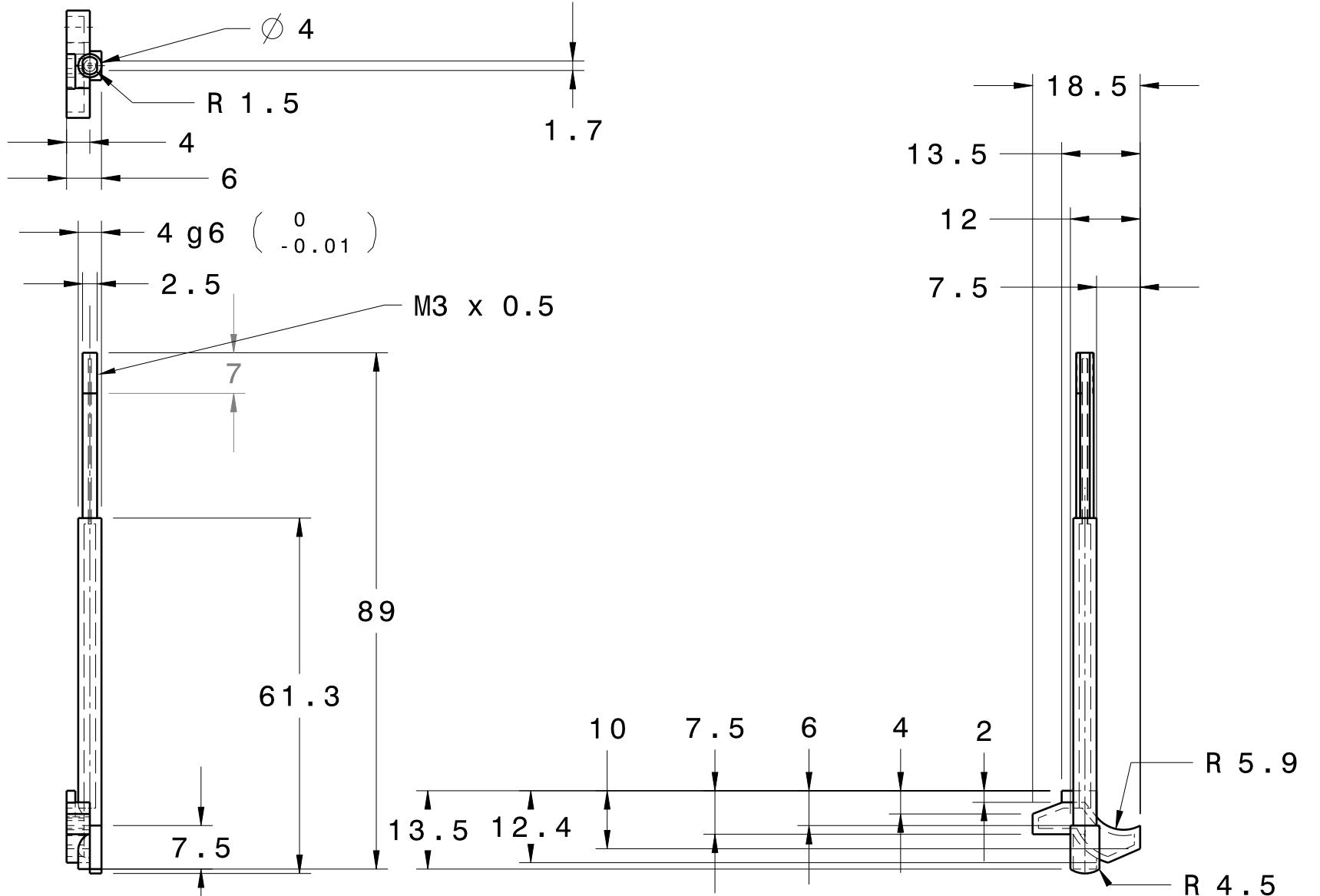
EMBRY-RIDDLE AERONAUTICAL UNIVERSITY
COLLEGE OF ENGINEERING

DRAWING TITLE:
HUGHES RING AROUND GOLDEN ROD



GOLDEN ROD AND MAIN SHAFT
REQUIRE CLEARANCE - SLIDING -
(H7/g6)
BECAUSE THESE PARTS NEED TO MOVE
WITH RESPECT TO EACH OTHER

DRAWN BY:	DRAKE HUGHES	EMBRY-RIDDLE AERONAUTICAL UNIVERSITY		
REVIEWED BY:	PROF. ACEVEDO	COLLEGE OF ENGINEERING		
MODELED BY:	DRAKE HUGHES	DRAWING TITLE: HUGHES GOLDEN ROD		
UNITS:	MM	SCALE:	2:1	DATE: 04/10/2025
		SHEET:	05/06	



GOLDEN ROD AND MAIN SHAFT
REQUIRE CLEARANCE - SLIDING -
(H7/g6)
BECAUSE THESE PARTS NEED TO MOVE
WITH RESPECT TO EACH OTHER

DRAWN BY:	DRAKE HUGHES		
REVIEWED BY:	PROF. ACEVEDO		
MODELED BY:	DRAKE HUGHES		
DRAWING TITLE: HUGHES MAIN SHAFT			
UNITS:	MM	SCALE:	1:1
		DATE:	04/10/2025
		SHEET:	06/06