
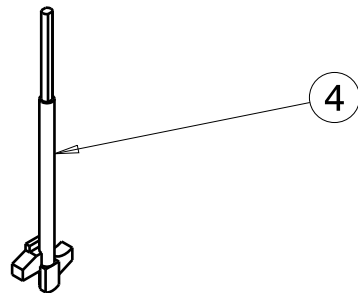
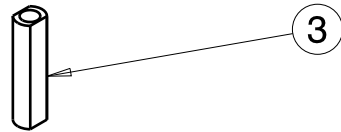
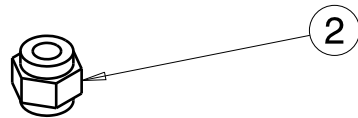
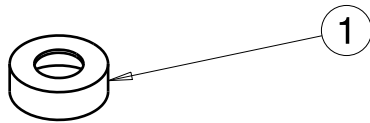

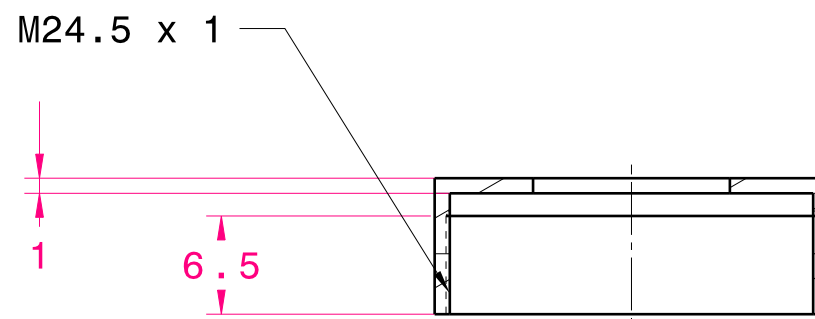
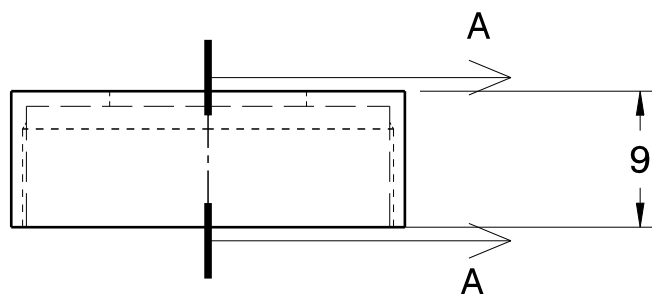
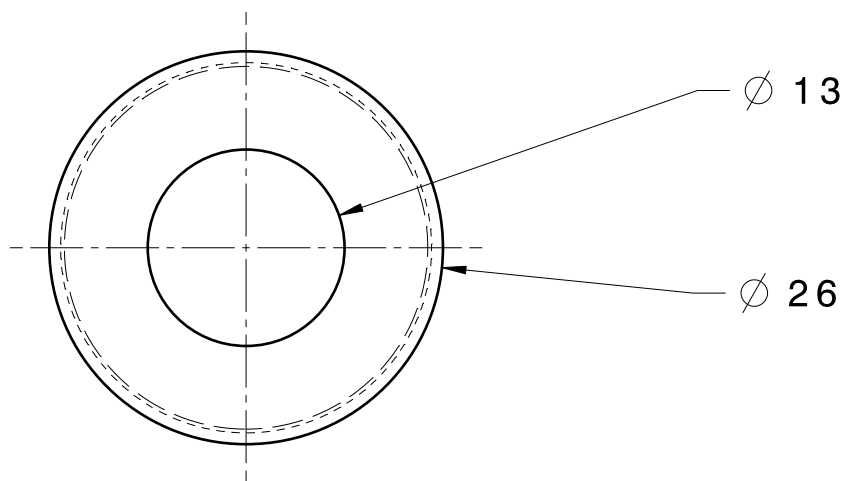
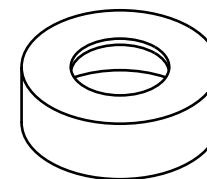


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REVIEWED BY: PROF. ACEVEDO			
MODELED BY: DRAKE HUGHES	DRAWING TITLE: HUGHES LINEAR MOTION PARTS SUBASSEMBLY ISOMETRIC		
UNITS:	SCALE: 2=1	DATE: 04/10/2025	SHEET: 01/06




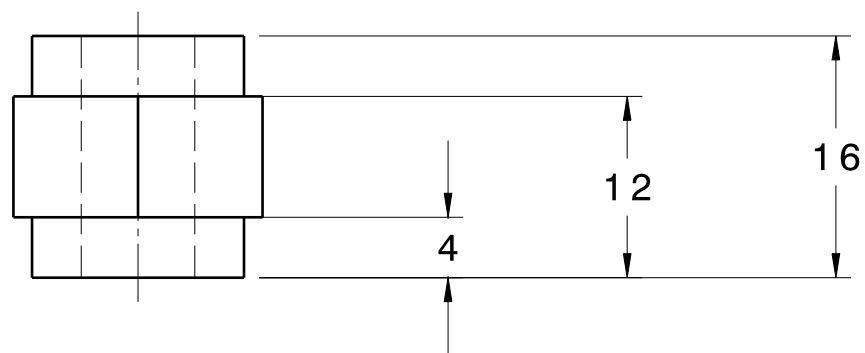
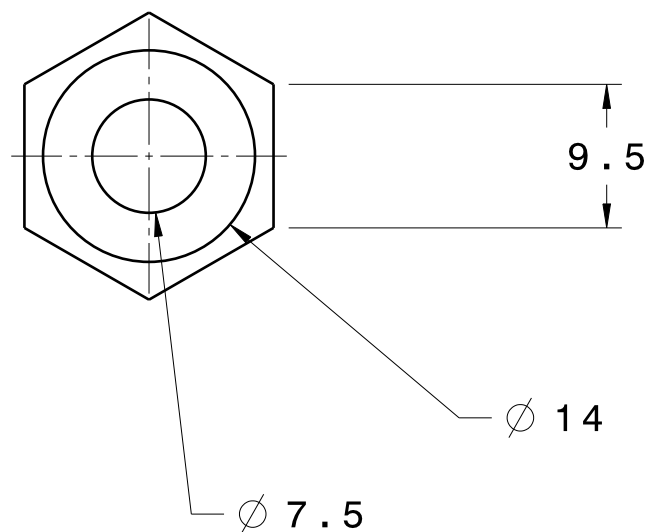
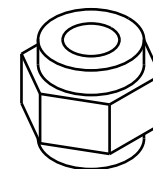
4	MAIN SHAFT	1	ALUMINUM
3	GOLDEN ROD	1	BRUSHED METAL
2	RING AROUND GOLDEN ROD	1	BRASS
1	GEAR COMPARTMENT CAP	1	PLASTIC
PART #	DESCRIPTION	QTY	MAT'L


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

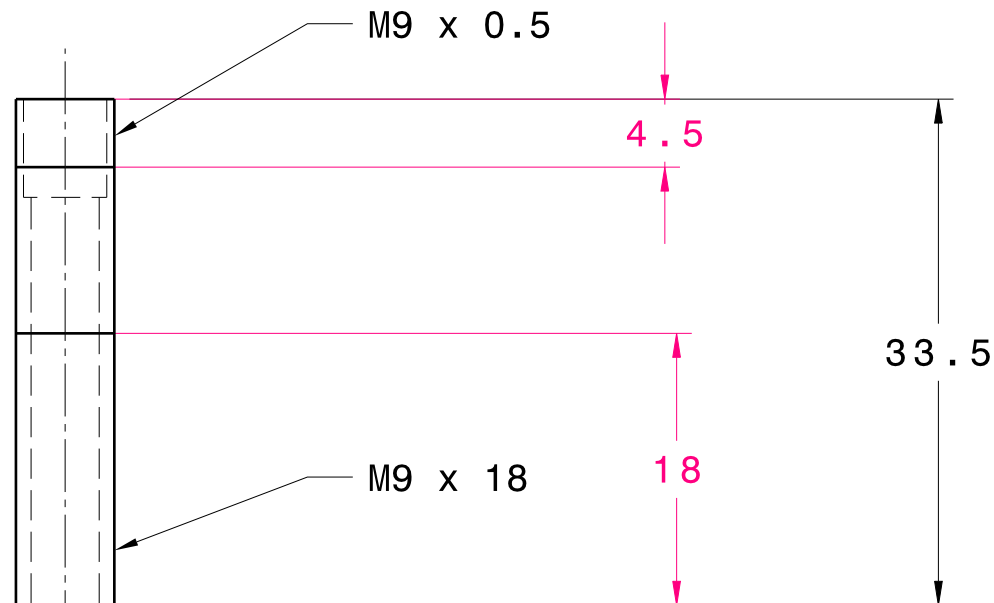
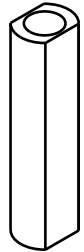
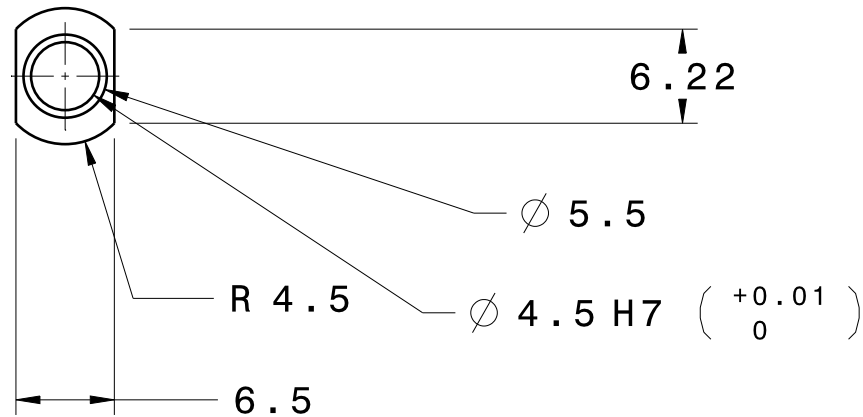


SECTION VIEW A-A


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

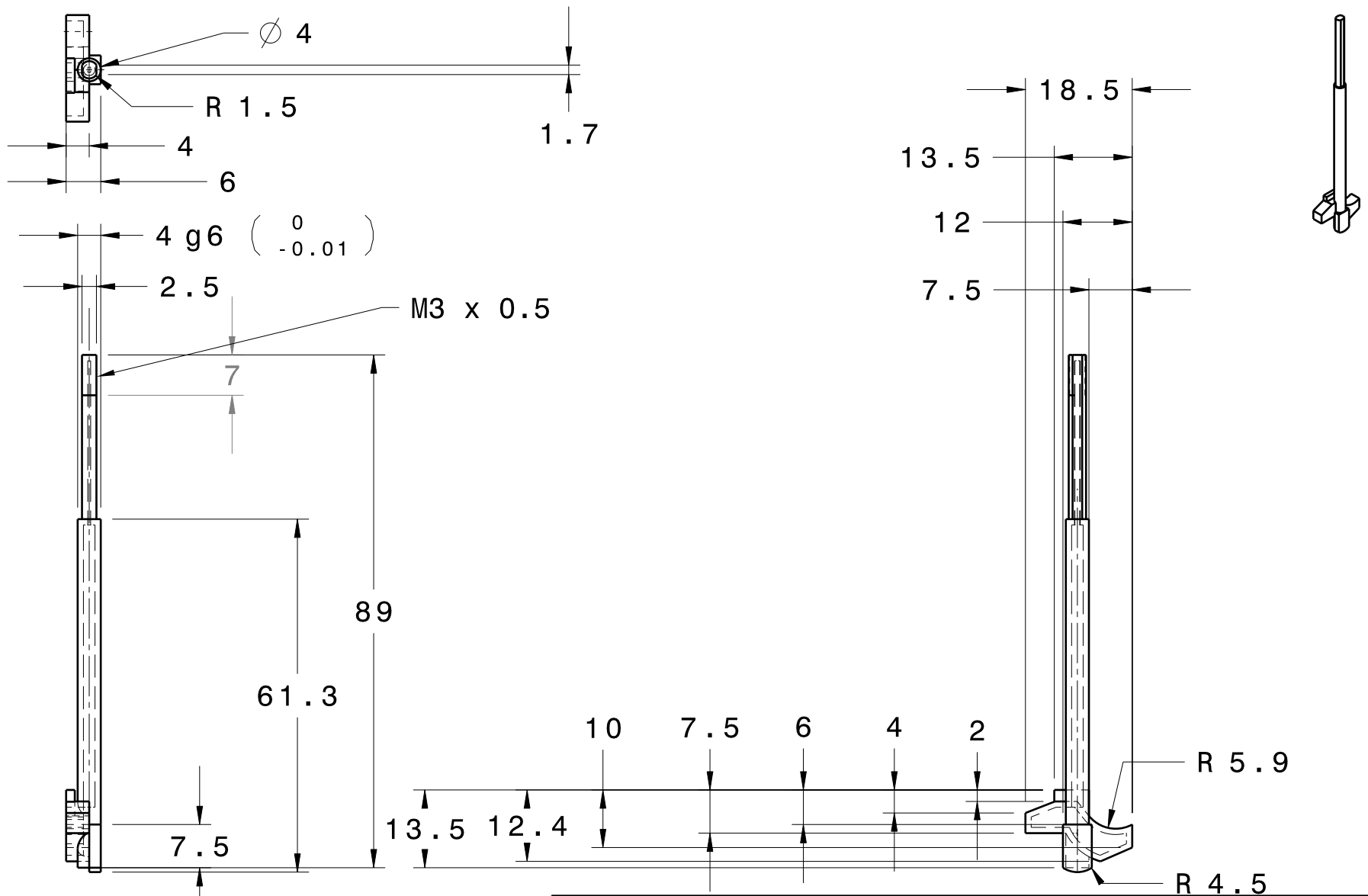


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REVIEWED BY: PROF. ACEVEDO			
MODELED BY: DRAKE HUGHES	DRAWING TITLE: HUGHES RING AROUND GOLDEN ROD		
UNITS: MM	SCALE: 2:1	DATE: 04/10/2025	SHEET: 04/06




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

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REVIEWED BY: PROF. ACEVEDO			
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		EMBRY-RIDDLE AERONAUTICAL UNIVERSITY COLLEGE OF ENGINEERING				
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