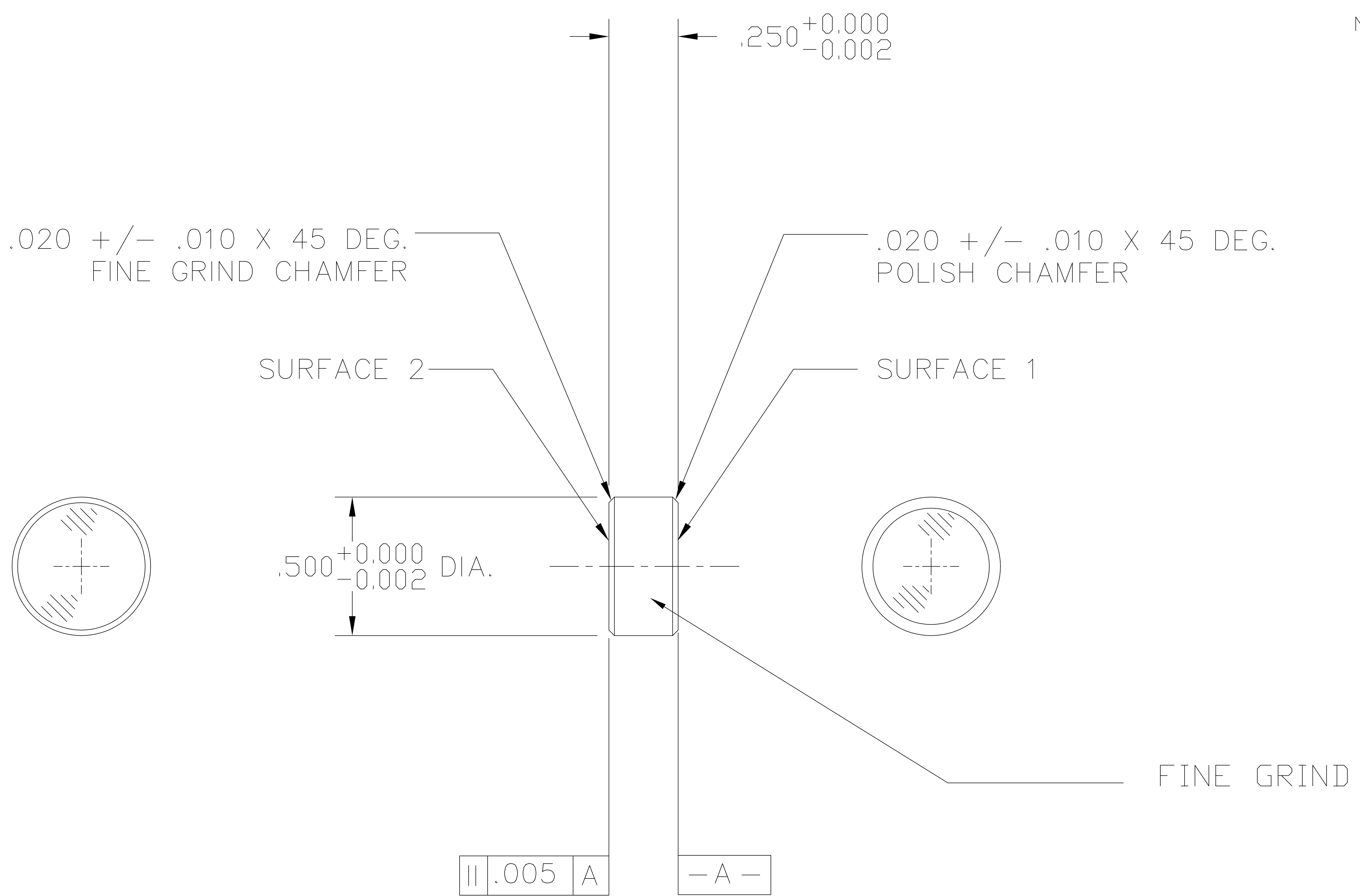


6 5 4 3 2 1



NOTES: (UNLESS OTHERWISE SPECIFIED)

MATERIAL: SAPPHIRE
 SURFACE 1: POLISH 1/10 WAVE FLAT
 SURFACE QUALITY: 60/40
 SURFACE 2: SURFACE QUALITY:
 POLISH 80/50

REF.	QTY.	PART or DRWG No.	NOMENCLATURE or DESCRIPTION	MATERIAL
PARTS and MATERIAL LIST				

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES

TOLERANCES:
 FRACTIONAL ± 1/16
 ANGULAR ± .25°
 ANGULAR MATCH ± BEND ±
 TWO PLACE DECIMAL ± .01

THREE PLACE DECIMAL ± .005
 FINISHED SURFACE RMS 63
 BREAK CORNERS IN: .015 OUT: .015
 REMOVE ALL BURRS

DWG. NO.	DESCRIPTION	MATERIAL: SEE NOTES	HEAT TREAT: /	FINISH: /
	REFERENCE DRAWINGS	USED ON: XXX	NEXT ASS'Y: XXX	

A	NEW-RELEASE	LIGO-E000513-00-R	-	HELENA	kenm	11-15-00	
REV	DESCRIPTION	DCN NUMBER	-	APPR'D	CHECK	DRWN	DATE

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
ROUND SAPPHIRE SUBSTRATE .5 INCH	
CAD FILE D000384-A	SIZE DWG. NO. B D000384-A
SCALE 1 : 1	SHEET 1 OF 1

6 5 4 3 2 1