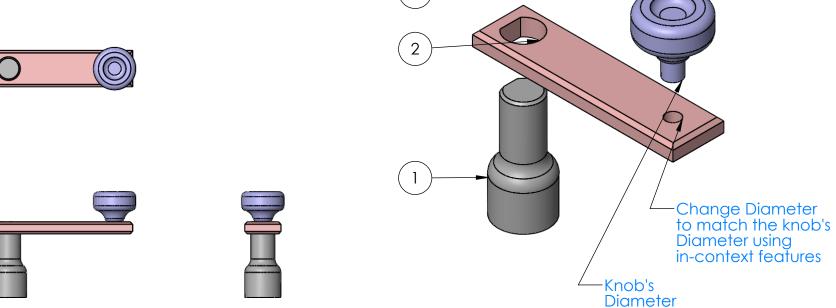
ITEM NO.	PART NUMBER	QTY.
1	crank shaft connector	1
2	arm	1
3	knob	1

Create the following assembly as use it as sub-assembly in the task next page.



Α	
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			DIMENSIONS ARE IN INCHES	DRA
			TOLERANCES: FRACTIONAL ±	СН
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			THREE PLACE DECIMAL ±	MFC
			INTERPRET GEOMETRIC	Q.A
			TOLERANCING PER:	CO
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Е	NEXT ASSY	USED ON	FINISH	В
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	"O	SIZE		
	Climb N	A		
	But slow	A		
	DOI 310 VV			
	— Kobo	SCAL		

Ex 6.1 Meaurements in inches

SIZE DWG. NO. REV SCALE: 1:2 WEIGHT: SHEET 1 OF 6

В

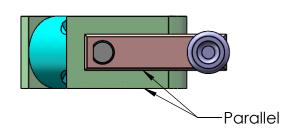
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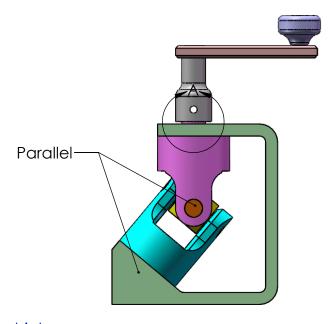
ITEM NO.	PART NUMBER	C1/QTY						Create The Followi	ng Assr	
1	Bracket	1		7			/		~~~	~~
2	Male Yoke	1								
3	spider	1		(5)						
4	Female Yoke	1					0			
5	Pins (Configuration: Lon	g) 1					0			
6	Pins (Configuration: Sho	rt) 2								
7	Crank Assembly	1		(2)						
				4 1 UNLESS OTHERWISE SPECIFIED:		NAME	DATE			
				DIMENSIONS ARE IN INCHES TOLERANCES:	DRAWN			TITLE:		
				FRACTIONAL ± ANGULAR: MACH ± BEND ±	CHECKED ENG APPR.				1	
				TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	MFG APPR.			Ex 6.		
Г			INTERPRET GEOMETRIC		Q.A.			Meaurements i	n inches	
	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS			TOLERANCING PER: MATERIAL	COMMENTS:			SIZE DWG. NO.		REV
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	<insert company="" here="" name=""> IS PROHIBITED.</insert>	APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:2 WEIGHT:	SHEE	T 2 OF 6

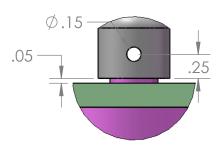
2

1



Make the following hole as an assembly feature.
Use the drilled hole to fixt the crank shaft connector to the Male Yoke.





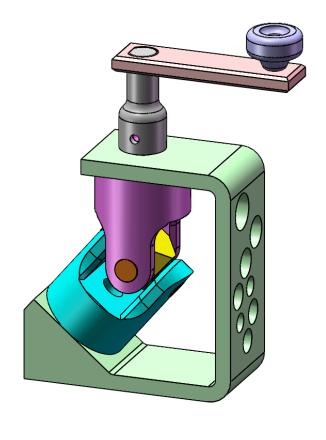
DETAIL A SCALE 1 : 1

hint: Set the parallel relations first to fix the model, then drill the hole. You can supress those relations after fixing the crank shaft connector with the male yoke to simmulate movements.

			UNLESS OTHERWISE SPECIFIED:		NAME	DATE				
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			THREE PLACE DECIMAL ±	MFG APPR.				Ex 6.		
			INTERPRET GEOMETRIC	Q.A.			Me	aurements in	inches	
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<insert company="" here="" name=""> IS PROHIBITED.</insert>	APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:2	WEIGHT:	SHEET	3 OF 6

В

Find out if there are any interfering parts:
- What are the parts?
- What is the interference volume in cubic inches?



Answer:

Interfering Parts:

- Crank Shaft Connector
- Arm

Interference Volume

= 0.000 67 cubic inches

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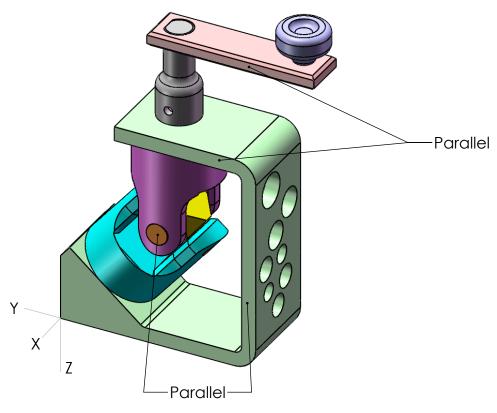
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	MFG APPR.			
	Q.A.			
	COMMENTS:			
				SIZE

Ex 6.1 Meaurements in inches

SIZE	DWG.	NO.		REV
SCAL	E: 1:2	WEIGHT:	SHEE	T 4 OF 6

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Find the Center of Mass in relation to the shown coordinate system in inches.



Answer: Center of mass (inches) X = -0.75

Y = -1.75Z = -2.13

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				Δ

Ex 6.1

Meaurements in inches

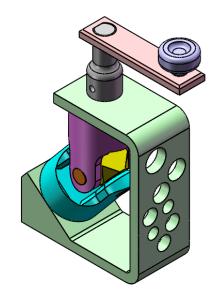
REV

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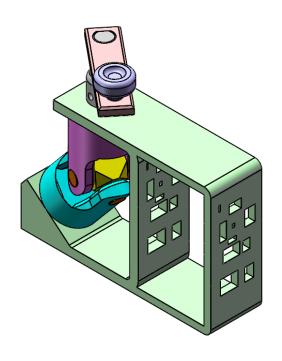
SIZE DWG. NO.

SCALE: 1:2 WEIGHT: SHEET 5 OF 6

Replace the Bracket with "Bracket_Updated"



В



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			UNLESS OTHERWISE SPECIFIED:	_	NAME	DATE				
			DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL± ANGULAR: MACH± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ± INTERPRET GEOMETRIC TOLERANCING PER:	DRAWN						
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				ENG APPR.						
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