Requirements	Parameters	O	,	
			POST CONTRACT	
			2	

Analysis

Design

Functional

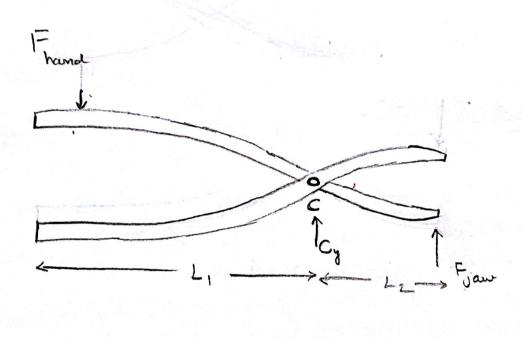
Risks

References

manufaulating objects [leage bous nails, high gaing wives,) Lwye - med. objects [med. mets/balls, mes. zange were] decreme sec. Small objects [ciffinder pins, caples/what] bendung (compression pulling breking bannelny I watches etc.) Pliers ideal (ma Juction) Agure 2 Balanceed felenum to raise about specific pains

3 Free Body Diagram

Equations



Power

France an punet =

(Fhand + Fjan)

Mamoru about purat = Frank x dist. (L1)
Marmont about purat = Frank x dist

Force summation of equilibriums /

Equilibrium of moments (about puret penns) $F_{hand} (L_1) = F_{jaux} (L_2)$ $F_{jaux} = \frac{L_1}{L_2} \times F_{hand}$

Revolute journt (C) / Revet

Problems that could arise at pinjoint (Resolutions

-> Rivet could come lose if huge force is applied (over a long pould of time)

-> Friction blur two gruppers could increase (ailing should be done)

-> Rivet/C/Pin should be flushed during manufacturing along with ensuing nox/Z movement while moving grippers

-> Should be made of strong motal (forged steel I chromium) Lon the suret on the grupper owns to not get distorted at the points where fonce is experienced. I DOF movement should be preserved

-> Inaccurate fit of nivet at the joint will make for mabbly typs that may not align, especially after long use

-> If the grippers are not manufactured with micron accuracy,

those might not align after addition of joins.

The grapher / plier joint metal is strong, it might distant / bend after plongated use (gruppen bors might bond) leading to non-alignment.

Strategy -> make multi-function lineman plain [CHOSEN] for FRDPARRO -> make a surgle apercution plant bendung plan, lacking plan exc.)

Functional	Design	Analysis	Reforences	Risks	Coursermeaus
Requirements	Parameteru				
1. Manifoldation	Ratating Turisting	- Sorraded yours.	Analyzed current	L might be don't	aged hardening
Openations	auturg	-> Blade strength. [High corbon tool stee]	Willi, Metal strength	ns Cost	Look for allay if
	Bending	> Min, dia bend restricted. Doesn't funin	medium abjects	party arrivale	
	Campressing	-> lownage eg ~ [axM] where M is applied b	Freshman physics	Might not be	
2. Erganomics)	Y	of Jupey, Narrow mid of mose for clearance	maria mage		
	Traceasury gup andes	(a/b) xM, white M, is hard for Rubber gruppers	- Jubben	ed Gorphers might be might be destroyed	Object shared still be polished and
	> Runge of motion		Med abject can	o acon aga	waste
5 Death	far more details		Medigange Withe thickness [Gauge chart]		
	Shouldn't bend	High carbon tool		abuse buith stronger metal	>5trengthen blade tips with
	-> Sounated front	Imm bitch	Current servation a real abject	n Cost	- use stronger.
	Jean better gupon object > Weight of below	leverage vatio	Made for medicable Doesn't have to be long like tongs.	<i>₽</i> ≱.	or hope afforment
3. Durability	-> Homs Jour should	High carbon			
	bend after elongar	total Steel	Strength of most		
	should remain fixed after long use.	-> High carbon total stell	27	East ! mace	-> Look as mage a High cashon steel
	after long use!	toptimal fit to micron	you tube - Hounta	1	alloy