

SOLIDWORKS Educational Product. For Instructional Use Only.

MANUFACTURING PLAN

В

RAW MATERIAL STOCK: Aluminum plate, 1/4" thick

STEP	PROCESS DESCRIPTION	MACHINE	FIXTURE	TOOL(S)	SPEED (RPM)
1	Cut shape and holes of arm	Water jet			
2	Secrure part in mill	Mill	Vise		
3	Mill both ends of part to provide fully machined ends	Mill	Vise	3/4" two flute endmill, collet	400
3	find datum using top and right side of part	Mill	Vise	Edge finder	1000
4	Ream holes 2X .188"	Mill	Vise	3/16" Ream	100
5	Ream hole 2X .19"	Mill	Vise	3/16" Ream	100
6	Ream hole .375"	Mill	Vise	3/8" Ream	100

SHEET 2 OF 2

В