

DESIGN AND CONSTRUCTION OF DRILLING JIG

by

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Project Report

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Thank you all,
Mouskis Constantinos

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MECHANICAL ENGINEERING DEPARTMENT
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Project Number: M/639

Title: "Design and Construction of a Drilling Jig"

Objectives:

1. To present the object to be constructed, giving details as to where is used and why preferred.
2. Design the jig, giving details drawings.
3. Design production planning sheets for each item showing clearly the sequence of operation to the skill worker for manufacturing purposes.
4. Work out all necessary calculations for the time required to produce each part.
5. Describe the heat-treatment required.
6. mark a part's list showing all the material required for each part.
7. Construct the drilling jig.
8. Estimate the cost of:
 - (a) materials
 - (b) design
 - (c) construction
9. List all the tools to be used.

Terms and Conditions:

1. The drilling jig must be foolproof.
 2. All fits and tolerances according to the ISO standards.
 3. All drawings should be supplied in the standard HTI A2 drawing file.
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External Assessor:

DR/MI
objectives.93(33)

CONTENTS

	<u>PAGE</u>
Acknowledgements	i
INTRODUCTION	ii
Chapter 1: General on Jig Theory and Design	
1.1 Introduction	1
1.2 Advantages for using Jigs	9
1.3 Principles of Jig design	9
1.4 The economics of Jigs	17
Chapter 2: The component to be produced "Drill JIG"	
2.1 Description of the component	19
Chapter 3: Production of the component Design of Jig	
3.1 Sequence of operation	21
3.2 Construction of bottom Jig plate	22
3.3 Manufacturing the top plate	
of the Jig	24
3.3.1 Drilling bushes	25
3.4 Drill machines that may be used	27
3.4.1 Time evaluation about the method	
of drill	29
3.5 Method of holding the two plates	
together	30
3.5.1 Time evaluation about the type	
of screw	30
3.6 Total time of operation	31
3.6.1 Cost of operation	33

Chapter 4: Economic Appraisal of the Jig

4.1	Introduction	35
4.1.1	Material cost	35
4.1.2	Labour cost	35
4.1.3	Direct costs	36
4.2	Estimation of Jig cost	37
4.2.1	Jig Bottom plate	38
4.2.2	Jig Top Plate	39
4.2.3	Component to be manufactured on the Jig the example cost	40
4.2.4	Total Jig cost	41
4.3	Calculation of total time of production	41
4.3.1	Time required for the first part of the Jig	42
4.3.2	Time required for the second component	42
4.3.3	Time required for the component (example)	42
4.4	The time that drilling required	43
4.5	Applications of Jigs in the Cyprus industry	44
CONCLUSIONS		46
REFERENCES		47

APPENDIXES:

1. General tables
2. Machine and tool used
3. Facts on the cost Analysis of production
 - 3.1 Cost of Jig
 - 3.2 Total time of operations
 - 3.3 Model on factory overheat cost per year
4. Drawings