TO DETERMINE THE STRIPPING STRENGTH OF A SPECIAL NUT.

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PROJECT REPORT

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Chapter 1

INTRODUCTION

1.1 Introduction

Bolt and nut are also included as part of the fastener that is widely

used for fastening or joining parts together. Parts may also be joined

with using such items as cap screw, setscrews, rivet, spring retainer,

locking devices and the others. In case of bolt and nut it can be used

to join components together temporarily or sometimes, permanently. They

are of different shapes, sizes and strengths depending on the applications

for which they are used. There are various types of thread related to

the specialized functions and application. If the threads are cut on the

outer surface of a solid rod, these are known as external threads. But

if the threads are cut on the internal surface of a hollow rod, these are

known as internal threads. V-threads and square threads are the mainly

type of threads. The V-threads are usually used for join two parts

together but for square thread it is usually used for screw jacks, vise

screws, power screws etc.

In this project, the analysis that been made on the special nuts was to

know how much the force is needed to strip the special nut from the bolt.

Some of the standard nuts also been tested as a comparison. Special nuts

have a shape that differ from the standard one and the advantage is, it

can distribute an equal load to each of its threads. Compare to the