

Metrics

INTRODUCTION

Most threaded fasteners are covered by specifications that define required mechanical properties, such as tensile strength, yield strength, proof load and hardness. These specifications are carefully considered in initial selection of fasteners for a given application. To assure continued satisfactory vehicle performance, replacement fasteners used should be of the correct strength, as well as the correct nominal diameter, thread pitch, length, and finish.

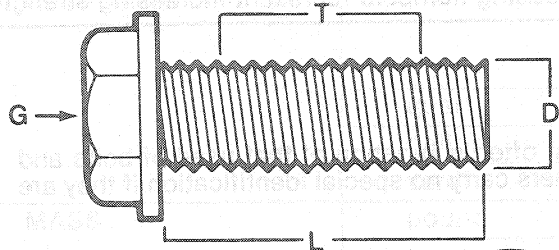
Most original equipment fasteners (English system or Metric) are identified with markings or numbers indicating the strength of the fastener. These markings are described in the pages that follow. Attention to these markings is important in assuring that the proper replacement fasteners are used.

Further, some metric fasteners, especially nuts, are colored blue. This metric blue identification is in most cases a temporary aid for production start-up, and color will generally revert to normal black or bright after start-up.

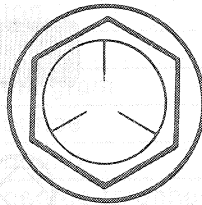
English system and metric system fasteners are available through your Ford Parts and Service operation.

NOMENCLATURE FOR BOLTS

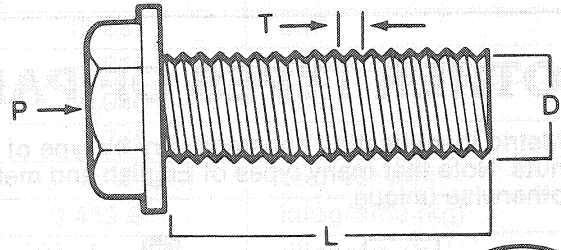
(ENGLISH) INCH SYSTEM Bolt, 1/2-13x1



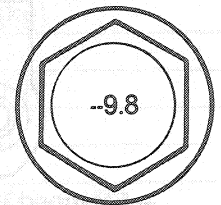
- G—Grade Marking
(bolt strength)
- L—Length, (inches)**
- T—Thread Pitch
(thread/inch)
- D—Nominal Diameter
(inches)



METRIC SYSTEM Bolt M12-1.75x25



- P—Property Class*
(bolt strength)
- L—Length (millimeters)**
- T—Thread Pitch (thread width
crest to crest mm)
- D—Nominal Diameter
(millimeters)



*The property class is an Arabic numeral distinguishable from the slash SAE English grade system.

**The length of all bolts is measured from the underside of the head to the end.