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Structural Steel Design  
LRFD Method

Third Edition

# ANALYSIS OF TENSION MEMBERS

A. J. Clark School of Engineering - Department of Civil and Environmental Engineering  
Part II – Structural Steel Design and Analysis

FALL 2002



By  
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**ENCE 355 - Introduction to Structural Design**  
Department of Civil and Environmental Engineering  
University of Maryland, College Park

CHAPTER 3a. ANALYSIS OF TENSION MEMBERS

Slide No. 1

## Introduction

- Tension members are found in
  - Bridges and roof trusses
  - Towers
  - Bracing systems
  - Cases where they are used as tie rods
- The design of tension members is very simple and straightforward.
- No buckling problems are encountered as in the case of compression members.

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