SMI Technical Services

Spring Design 304 Springs – Dimensioning, Tolerancing and Testing Training Program Webinar

Thursday, March 24, 2022 (NEW DATE)

1:00 – 5:00 pm EST

The Spring Manufacturers Institute will offer our spring design training webinar for springs - Dimensioning, Tolerancing and Testing on Thursday, March 24, 2022 from 1:00 to 5:00 pm EST using GoToMeeting.

This is the first offering of SMI's Spring Design 304 Springs – Dimensioning, Tolerancing and Testing class.

The course will build upon the principles taught in the basic courses, 201 Compression Spring Design, 202 Extension Spring Design, and 203 Torsion Spring Design. It is recommended that students complete the 200 level courses or have equivalent knowledge or experience before signing up for this course.

The course is designed as a focused, real-world spring design training session.

In this course, dimensioning, tolerancing and testing will be discussed for three spring types:

- Helical Compression Springs
- Helical Extension Springs
- Helical Torsion Springs

Students will learn:
- Dimensioning
    - Correct Dimensioning Etiquette
    - Types of Dimensions
    - Engineering Drawing
- Tolerancing
    - The sources of tolerance data included in ASD7 and the Encyclopedia of Spring Design
    - Critical Tolerance Characteristics and Calculations for Each Spring Type
    - Commercial and Precision Quality Factors
    - Tolerancing Do's and Don'ts - Don't Over Tolerance
- Testing
    - Good Workmanship Practices
    - Correct Methods and Equipment
    - Performance Characteristics

Students will have the opportunity to seek opinions and clarification of any dimensioning, tolerancing and testing related issues which they may have.

This class will benefit the student by adding to their knowledge of dimensioning, tolerancing and testing of springs and their company by having an SMI-trained associate as part of their team.

The training course instructor will be Rick Gordon, SMI Technical Director. Technical committee team members who developed the course will also be available to answer questions during the presentation.

The cost for the program is $195.00 for SMI members, $425.00 for non-members.

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Class Registration Form
Thursday, March 24, 2022
1:00 – 5:00 pm EST

Name: _____

Company: _____

Address: _____

City: _____ State/Province: _____ Postal Code: _____

E-mail for ASD software download: _____

Phone: _____

Credit Card:

Please charge my credit card ☐ Visa   ☐ MasterCard   ☐ American Express

Card #: _____ Exp Date: _____

Card holder's name (please print): _____

Card holder's signature (required): _____

Per student: $195.00 per SMI member
$425.00 per non-member

Amount: _____
Name(s) and emails of attendees:
_____
_____
_____

Email **credit card** information to: **dina@smihq.org**

Questions? Contact Dina at SMI at **dina@smihq.org**

Upon registration, you will be provided with a set of class presentation slides. Completion certificates will also be available upon request.

Deadline: Registration and payment due by Monday, March 21, 2022.