10th INTERNATIONAL CONGRESS of Spring Industry

Report of ISO/TC 227

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Düsseldorf / Germany

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Secretary of ISO/TC 227 Springs
Japan Spring Manufacturers Association (JSMA)
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1. ISO/TC 227: The current organization

- Establishment: November 2004
- Chairman: Mr. Wolfgang Hermann (Germany) (2014-2019)
- Secretary: Mr. Shigeo Aiba (Japan)

- P-members: start with 7 nations → 11 nations
  China, France, Germany, Italy, Japan, United Kingdom, Malaysia (‘06/11~), Thailand (O→P ‘07/2~), India (‘07/3~), Austria (‘07/10~), United States (‘09/11~)

- O-members: start with 7 nations → 12 nations
  Bulgaria, Finland, Hong Kong, Indonesia, Korea Republic of, Philippines, Poland, Serbia, Slovakia, Viet Nam, Iran Islamic Republic of, Czech Republic
  (Withdrawn O-members: Brazil, Canada, Spain, Sri Lanka, Switzerland)

P-member: Participating member, O-member: Observation member
2. ISO/TC 227: Meetings

Participants (P-members)

1st: Tokyo, Japan; Aug.2005  5 nations: CN, DE, FR, JP, KR
3rd: Beijing, China; Oct.2007  9 nations: CN, DE, FR, GB, JP, MY, PH, KR, TH
5th: Manchester, UK; Nov.2009  9 nations: AT, CN, DE, FR, GB, IT, JP, TH, US
6th: Osaka, Japan; Nov.2010  12 nations: AT, CN, DE, FR, GB, IT, JP, MY, PH, KR, TH, US.
7th: Venice, Italy; Nov.2011  9 nations: AT, CN, DE, FR, GB, IT, JP, KR, US
8th: Xian, China; Nov.2012  9 nations: CN, DE, FR, IN, IT, JP, PH, TH, US
9th: Washington DC, USA; Nov.2013  9 nations: CN, DE, FR, IT, JP, MY, PH, TH, US
11th: Kuala Lumpur, Malaysia; Nov.2015  8 nations: CN, DE, FR, IT, JP, MY, TH, US
12th: Vienna, Austria; Oct..2016  8 nations: AT, CN, DE, FR, IT, JP, TH, US
13th: Bangkok, Thailand; Nov..2017  7 nations: CN, DE, IT, JP, MY, PH, TH

3. ISO/TC 227: Scope & Business Plan

**Scope**

Standardization in the field of metal springs covering exclusively product tolerances, terms and test methods and process technology for springs. (heat treatments, surface treatment, shot peening, etc.)

Excluded: Product specifications solely intended to cover each application, since some of them are currently in the scope of existing TC.
### 3. ISO/TC 227: Scope & Business Plan

#### Business Plan

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<td><strong>I</strong></td>
<td><strong>Terminology/Classification</strong></td>
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<td>• Hot formed helical compression springs:</td>
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<td>• Leaf springs: ISO 18137: 2015</td>
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<td><strong>III</strong></td>
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<td>• Shot peening Part 1: General procedures</td>
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4. International Standards for springs — Publication status —

**Other IS standards relating to springs**

- ISO 8748:2007 Straight-type spring pins—Coiled, heavy duty (TC 2/SC 10 same as below)
- ISO 8749:1986 Pins and grooved pins—Shear test
- ISO 8750:2007 Straight-type spring pins—Coiled, standard duty
- ISO 8751:2007 Straight-type spring pins—Coiled, light duty
- ISO 8752:2009 Straight-type spring pins—Slotted, heavy duty
- ISO 13337:2009 Straight-type spring pins—Slotted, light duty
4. International Standards for springs — Developmental status —

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<td>ISO/DIS 19690-2</td>
<td>Japan (leader), Austria, China, France, Germany, Italy, Philippines, Thailand, U.S.A.</td>
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<td>Disc Springs Technical specifications.</td>
<td>Registration NP, WD, CD, DIS FDIS 1st 2nd publication</td>
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| ISO/NP 22705-1       | Germany (leader), China, France, Italy, Japan, Malaysia, Thailand, U.S.A. |       |       |       |       |       |       |       |       |
| Springs- Measurement & Test/ Cold formed cylind. helical comp.springs | Registration WD, CD, DIS publication |       |       |       |       |       |       |       |       |

5. The next ISO/TC 227 Meeting

• The 14\textsuperscript{th} meeting in Berlin, Germany
• Date: September 27\textsuperscript{th} to 28\textsuperscript{th}, 2018
• Host: DIN (Deutsche Industrie Normen)

• Participants expected: 11 P-members
  Austria, China, France, Germany, India, Italy, Japan, Malaysia, Thailand, U.K., U.S.A.

• Discussion items:
  1. ISO/WD 22705-1, Springs – Measurement and test parameters – Part 1: Cold formed cylindrical helical compression springs

WD: Working Draft
Thank you for your attention

JSMA (Japan Springs Manufacturers Association)
http://www.spring.or.jp/english/english.html