



**SPIROL® Slotted Spring Pins manufactured to ISO 8752 (EN 28752), ASME B18.8.4M Type B (Metric), and ASME B18.8.2 (Inch) are available from stock.**

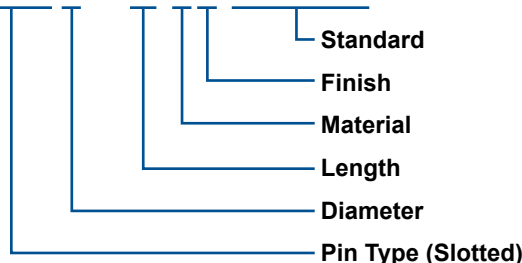
- DIN 1481 is interchangeable with ISO 8752 (EN 28752) except for a difference in length tolerance.
- The ASME B18.8.2 range meets the requirements of most pins per NASM 10971 (formerly MIL-P-10971), NASM 16562 (formerly MS 16562), NAS 561, SAE J496, and SAE AS7207 (Superseded AMS 7207 and MS 171401-MS 171900).
- ISO 13337 (DIN 7346), lightweight Slotted Pins, are available made-to-order for volume applications.

### ISO/TS 16949 and ISO 9001 certifications ensure consistent quality.

- **Commitment to Quality.** SPIROL is committed to being a leader in production technology and regularly invests back into their business. All Slotted Spring Pins are produced on high quality machinery that is routinely maintained and periodically rebuilt to ensure the highest quality product in the industry.
- **Manufacturing Controls.** There is clear identification of job status, including all inspections, as the lot progresses through the manufacturing processes. Capability studies are used to verify machine process capability. Statistical process control is used for all processes using variable and attribute data.
- **Calibration and Gage Control.** All gages are calibrated at scheduled intervals, traceable back to national standards. The control records are readily available in electronic format.
- **All parts are traceable** through each manufacturing process back to the original raw material test certificate. Each lot has a unique identification number on the box.
- **Contract Review / Quality Planning.** A formal procedure exists for the specification and acceptance of new orders by sales, manufacturing and quality.
- **Document / Drawing Control.** All drawings, standards and specifications are controlled through engineering.
- **SQA approval of suppliers and subcontractors** is maintained by supplier system audits and monitoring of supplier quality performance.
- **System audits** are carried out regularly by independent auditors addressing continuous improvement opportunities.

### PART DESCRIPTION

**SLTP 4 X 10 BK ISO 8752**



### MATERIALS\*

Type	Grade
High Carbon Steel	UNS G10700 / G10740 C67S (1.1231) / C75S (1.1248)
Stainless Steel, Austenitic (Nickel)	UNS S30200 / S30400 18-8 (1.4310)
Stainless Steel, Martensitic (Chrome)	UNS S42000 X30Cr13 (1.4028)

\* All standard materials conform to that as specified in ISO 8752, ASME B18.8.2 and ASME B18.8.4M Type B.

Contact **SPIROL** for design assistance:  
[www.spirol.com/s/slottedpindesign/](http://www.spirol.com/s/slottedpindesign/)



## Technical Centers

### Americas

**SPIROL International Corporation**  
30 Rock Avenue  
Danielson, Connecticut 06239 U.S.A.  
Tel. +1 860 774 8571  
Fax. +1 860 774 2048

**SPIROL Shim Division**  
321 Remington Road  
Stow, Ohio 44224 U.S.A.  
Tel. +1 330 920 3655  
Fax. +1 330 920 3659

**SPIROL Canada**  
3103 St. Etienne Boulevard  
Windsor, Ontario N8W 5B1 Canada  
Tel. +1 519 974 3334  
Fax. +1 519 974 6550

**SPIROL Mexico**  
Avenida Avante #250  
Parque Industrial Avante Apodaca  
Apodaca, N.L. 66607 Mexico  
Tel. +52 81 8385 4390  
Fax. +52 81 8385 4391

**SPIROL Brazil**  
Rua Mafalda Barnabé Soliane, 134  
Comercial Vitória Martini, Distrito Industrial  
CEP 13347-610, Indaiatuba, SP, Brazil  
Tel. +55 19 3936 2701  
Fax. +55 19 3936 7121

### Europe

**SPIROL France**  
Cité de l'Automobile ZAC Croix Blandin  
18 Rue Léna Bernstein  
51100 Reims, France  
Tel. +33 3 26 36 31 42  
Fax. +33 3 26 09 19 76

**SPIROL United Kingdom**  
17 Princewood Road  
Corby, Northants  
NN17 4ET United Kingdom  
Tel. +44 1536 444800  
Fax. +44 1536 203415

**SPIROL Germany**  
Ottostr. 4  
80333 Munich, Germany  
Tel. +49 89 4 111 905 71  
Fax. +49 89 4 111 905 72

**SPIROL Spain**  
08940 Cornellà de Llobregat  
Barcelona, Spain  
Tel. +34 93 193 05 32  
Fax. +34 93 193 25 43

**SPIROL Czech Republic**  
Sokola Tůmy 743/16  
Ostrava-Mariánské Hory 70900  
Czech Republic  
Tel/Fax. +420 417 537 979

**SPIROL Poland**  
ul. Solec 38 lok. 10  
00-394, Warszawa, Poland  
Tel. +48 71 399 44 55

### Asia Pacific

**SPIROL Asia Headquarters**  
1st Floor, Building 22, Plot D9, District D  
No. 122 HeDan Road  
Wai Gao Qiao Free Trade Zone  
Shanghai, China 200131  
Tel. +86 21 5046 1451  
Fax. +86 21 5046 1540

**SPIROL Korea**  
160-5 Seokchon-Dong  
Songpa-gu, Seoul, 138-844, Korea  
Tel. +86 (0) 21 5046-1451  
Fax. +86 (0) 21 5046-1540

e-mail: [info@spirol.com](mailto:info@spirol.com)

Please refer to [www.SPIROL.com](http://www.SPIROL.com) for current specifications and standard product offerings.

**SPIROL** Application Engineers will review your application needs and work with you to recommend the optimum solution. One way to start the process is to visit our **Optimal Application Engineering** portal at **SPIROL.com**.