SPIROL offers the full range of DIN EN 16983 (formerly DIN 2093) Group 1 and 2 Disc Springs in Series A, B, and C. In addition to the DIN specified sizes, SPIROL stocks its own standard size range in outside diameters from 8mm to 200mm in order to meet the diverse needs of its customers. SPIROL Standard Disc Springs meet all material, dimensional tolerance, and quality specifications as laid out in DIN EN 16983 (formerly DIN 2093) but in diameter and thickness combinations that are not included in the DIN standard.

Within each Group there are three Series — A, B, and C. These series are differentiated by material thicknesses and the corresponding force/deflection curves they generate (see page 2). DIN EN 16983 (formerly DIN 2093) categorizes the three series by the following approximate ratios:

<table>
<thead>
<tr>
<th>SERIES</th>
<th>(D_e/t)</th>
<th>(h_o/t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>(\approx 18)</td>
<td>(0.4)</td>
</tr>
<tr>
<td>B</td>
<td>(\approx 28)</td>
<td>(0.75)</td>
</tr>
<tr>
<td>C</td>
<td>(\approx 48)</td>
<td>(1.3)</td>
</tr>
</tbody>
</table>

**See pages 10-14 for SPIROL’s offering.**

In addition to the standard offerings, SPIROL offers a line of austenitic Stainless Steel Disc Springs.

**MATERIAL**

- Code D — SAE 301 Stainless Steel Full Hard (X10CrNi18-8 No 1.4310 / UNS 30100)

**FINISH**

- Code K — Plain finish, not oiled.

**See page 15 for SPIROL’s offering.**

SPIROL will work with the customer to develop special Disc Springs to meet the requirements of the application. Factors to take into consideration are forces, working parameters, environment, duty cycle, and required life. SPIROL can provide special dimensions, materials, finishes, and packaging to suit the application.

**TO ORDER:** Product / \(D_e\) x \(D\) x \(t\) / material code / finish code

**EXAMPLE:** DSC 25 x 12.2 x 0.7 BR
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.