



**Master Spring and  
Wire Form Co.**

2634 N. Davison Street  
River Grove, IL 60171  
**Phone:** 708-453-2570  
**Fax:** 708-453-6420  
**Email:** [info@masterspring.com](mailto:info@masterspring.com)

### COMPRESSION SPRING SPECIFICATION CHECKLIST

You can use the following checklist to make sure you specify all critical aspects of your compression spring.

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| <p>COMPRESSION SPRING SPECIFICATION CHECKLIST<br/>(Fill in required data only)</p> <p>Material: _____</p> <p>Working Conditions:</p> <p>To work in _____ mm(in.) diameter hole</p> <p>To work over _____ mm(in.) diameter shaft</p> <p>Load _____ N (lbf), <math>\pm</math> _____ N (lbf)<br/>at _____ mm(in.)</p> <p>Load _____ N (lbf), <math>\pm</math> _____ N (lbf)<br/>at _____ mm(in.)</p> <p>Rate _____ N/mm (lbf/in.), <math>\pm</math> _____ N/mm (lbf/in.)<br/>between _____ mm(in.) _____ and _____ mm(in.)</p> <p>Maximum solid height _____ mm(in.)</p> <p>Direction of coil (right-hand, left-hand or optional) _____</p> <p>Type of ends _____</p> <p>Allowable relaxation _____ %    Hours/days _____</p> <p>Impact loading _____ mm/sec (in./sec)</p> | <p>Frequency of loading _____ Hz</p> <p>Required life _____ cycles.</p> <p>Required reliability (see Section 4) _____</p> <p>Special Information:</p> <p>Squareness _____ Parallelism _____</p> <p>Finish _____</p> <p>Maximum operating temperature _____ °C(°F)</p> <p>Operating environment _____</p> <p>Electrical/magnetic _____</p> <p>Design Data (Reference):</p> <p>Wire diameter _____ mm(in.)</p> <p>Outside diameter _____ mm(in.)</p> <p>Inside diameter _____ mm(in.)</p> <p>Free length _____ mm(in.)</p> <p>Total number of coils _____</p> |
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