



manufacturer and stockist of wire and strip

**HARD DRAWN SPRING WIRE**

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**Hard drawn spring wire**

Applications Mechanical springs extension, compression and torsion.

Standards	EN 10270-1 BS 5216 NF A47-301 DIN 17223 (Pt1) ASTM A227+A228	European Great Britain France Germany USA
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Diameter range	0,1mm – 9,5mm
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Tensile range	930-3780 N/mm <sup>2</sup>																		
Example:	<table border="1"> <thead> <tr> <th>Tensile</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>0,1mm</td> <td>2160 MPa</td> <td>3780 N/mm<sup>2</sup></td> </tr> <tr> <td>3,0mm</td> <td>1250 MPa</td> <td>2150 N/mm<sup>2</sup></td> </tr> <tr> <td>4,0mm</td> <td>1170 MPa</td> <td>1920 N/mm<sup>2</sup></td> </tr> <tr> <td>9,0mm</td> <td>940 MPa</td> <td>1540 N/mm<sup>2</sup></td> </tr> <tr> <td>9,5mm</td> <td>930 MPa</td> <td>1390 N/mm<sup>2</sup></td> </tr> </tbody> </table>	Tensile	Minimum	Maximum	0,1mm	2160 MPa	3780 N/mm <sup>2</sup>	3,0mm	1250 MPa	2150 N/mm <sup>2</sup>	4,0mm	1170 MPa	1920 N/mm <sup>2</sup>	9,0mm	940 MPa	1540 N/mm <sup>2</sup>	9,5mm	930 MPa	1390 N/mm <sup>2</sup>
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Finish	Phosphate coated (plain)	– Dry drawn wire with soap lubricants (grey in colour)
	Wet drawn Galvanised Tinned Lished	– Oil drawn polished finished – Drawn after galvanizing (wet or dry drawn) – Final hot dip tin coat – Mechanically ground polish finish (finally oiled)
	Other finishes on request.	

Shaped	The above can also be supplied in shaped wire. (Please see separate sheet)
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Packaging	Catchweight coils Reels/ spools (plastic) Metal reels (up to 300 kg) Formers Cut lengths Specific coil weights/ sizes (see Packaging separate sheet)
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