

compression

tension

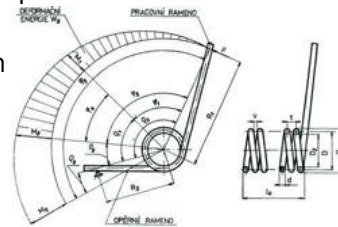
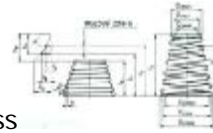
torsion

shaped

flat

springs

- cylindrical and conical springs
- with open or closed ends
- grinded closing coils with guaranteed sheerness
- german eyes and half-eyes
- english eyes
- bowdens of any length
- any shape of the spring
- machine-shaping of wires in 3D, even of square wires
- wire diameters from 0.10mm to 14.00mm
- square section up to 3.00x3.00mm



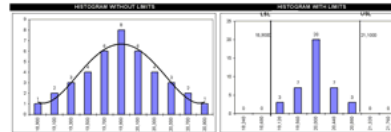
materials

- stainless material, complete range  
for example: EN 10 270-3 ISO 6931-1 DIN 17 224/84  
ČSN 02 6002.5 AISI 302, 316
- patented carbon steel, complete range  
for example: EN 10 270-1 DIN 17 223 ČSN 42 6450  
UNI 3823/75
- pre-coated wires, complete range  
Bezinal Corzal Crapal
- bronze and other special wires



technology and quality

- manufacturing on high capacity CNC machines
- 100% automatic control with sorting
- semi-automatic machines for grinding
- ISO 9001:2008, ISO/TS 16949:2009
- monitoring and development of quality processes
- procedure and statistic control
- FMEA
- SPC
- APQP a PPAP proceses
- IMDS database
- complete identification with bar-codes



surface modifications

- surface modification - DELTA MKS
- surface modification - Fe/Zn (standard: 5÷15 µm)
- yellow zinc (passivation even without hexavalent Cr)
- white zinc
- blue zinc
- surface modification - Fe/Sn
- surface modification - Fe/Cu
- surface modification - Fe/Ag
- surface modification - blacking
- surface modification - phosphate coating
- surface modification - painting
- other surface modifications



product portfolio

[www.martis.cz](http://www.martis.cz)

