



LEAF SPRINGS

SUPREME SPRING specialises in the manufacture of multi-leaf springs for light commercial vehicle applications as well as limited heavy spring designs for truck or trailer applications.

Process Features Include:

- High quality Silicon Chrome and Chrome Vanadium Spring Steel
- Precision eye forming
- Stress shot peening
- E-coat on every blade
- Latest anti-noise componentry
- 100% load testing



SPECIALISED PRODUCTS

SUPREME SPRING is capable of designing, developing and manufacturing specialised torsion, stabiliser and other related products. Typical of these are the dynamic ride control bars supplied to Delphi Chassis Systems for the Range Rover Sport.

Process Features Include:

- Flanges or forged ends
- Precision machining for mounting points
- Splined ends
- Robotic forming
- Bush locator ring fitment
- Shot peening
- E-coat or powder coat finishing



SUPREME

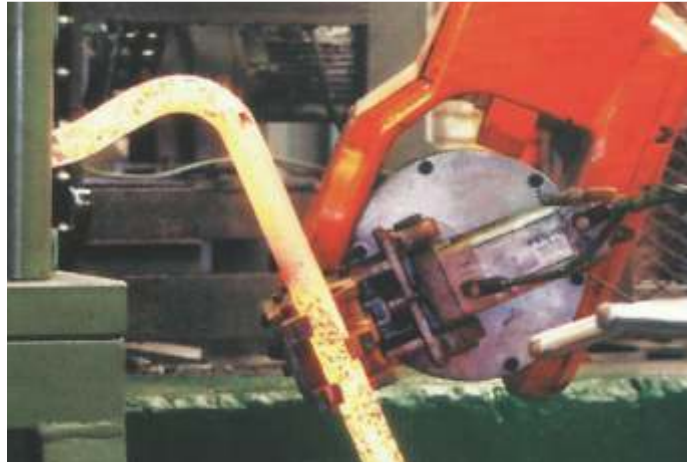
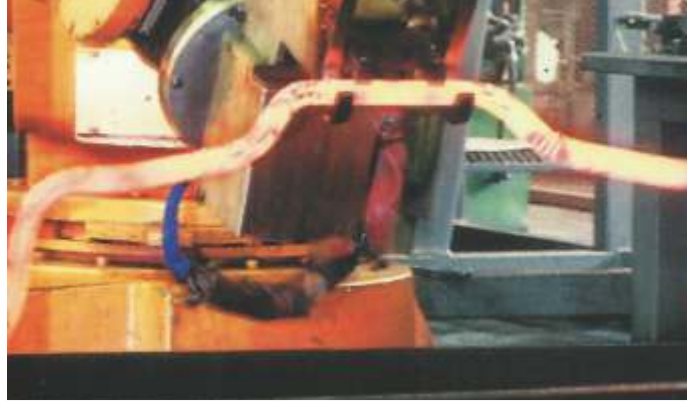
**Designers & Manufacturers of
Hot / cold formed Coil Springs
Leaf Springs
Stabiliser Bars and Torsion Bars**

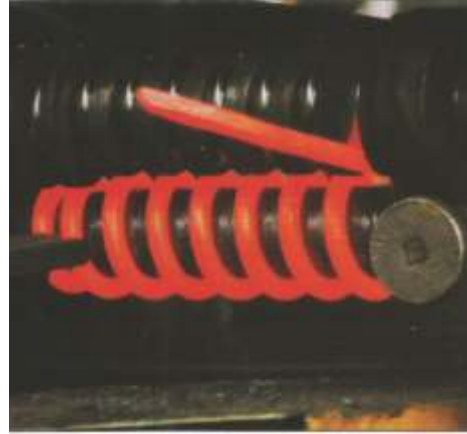
Contact Details

45 Johnson Road, Pretoriusstad, Nigel South Africa
P. O. Box 1529, Nigel, Gauteng. South Africa
Tel: +27 (0) 11 739 9200
Fax: +27 (0) 11 814 7262
www.supremespring.co.za



**SUPREME
SPRING**





SUPREME SPRING is a leading manufacturer of vehicle suspension springs for the South African and International Markets.

Our product range covers coil springs, leaf springs, stabiliser bars, torsion bars and specialised forged components.

Components are manufactured using the latest technology processes in both hot and cold forming which are supported with technical know how agreements with CHKK Japan. Quality and environmental systems are maintained through adherence to the TS 16949 2002 and ISO 14001 standards which are audited by the T.U.V. in Germany.

Supreme Spring is uniquely positioned to support original equipment and aftermarket requirements throughout the world market at competitive price, quality and service levels.

Current customers include Toyota, Ford, General Motors, Nissan, BMW, V.W., Daimler Chrysler and Delphi.



PRODUCTS

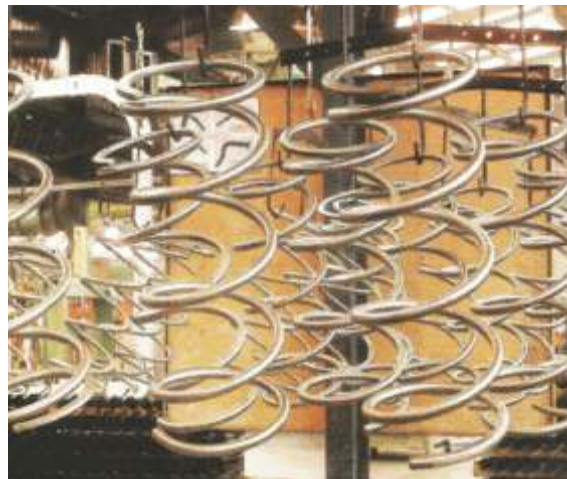


COIL SPRINGS

SUPREME SPRING manufactures coil springs from 8,0mm to 25mm diameter utilising both hot and cold form technologies dependant on design stress levels and weight optimisation requirements.

Process Features Include:

- High quality Silicon Chrome and Chrome Vanadium Spring Steel
- Hard drawn or peeled bar material
- Tapered material for progressive rate designs
- MPI crack detection
- End tapering or end grinding
- Double pigtail and miniblock forms
- Hot pre-setting
- Combination cold or hot shot peening
- E-coat or powder coat finishing
- 100% in line load testing
- Side force load testing
- Batch fatigue testing



STABILISER BARS

SUPREME SPRING manufactures stabiliser bars from 10mm to 55mm diameter in both hot and cold form technology either from solid or tubular material.

Process Features Include:

- High quality Silicon Chrome and Chrome Vanadium Spring Steel
- Precision forging
- Single or double stage forming with robotic handling
- Oil or water quenching
- Shot Peening
- Fitment of bush locator rings or connecting links
- E-coat or powder coat finishing



TORSION BARS

SUPREME SPRING manufactures solid torsion bar components for conventional and specialised torsion applications from 15mm to 35mm in diameter.

Process Features Include:

- Spline or hex head design
- Milled teeth
- Precision straightness
- Pre-setting
- Shot Peening
- E-coat or powder coat finishing
- Colour powder coating if required

