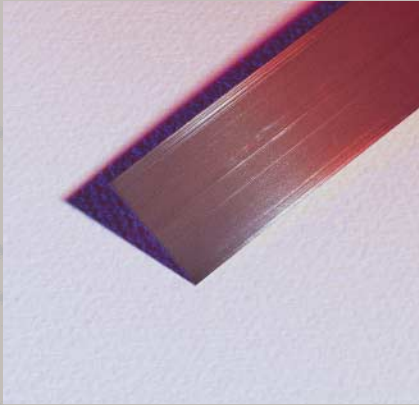


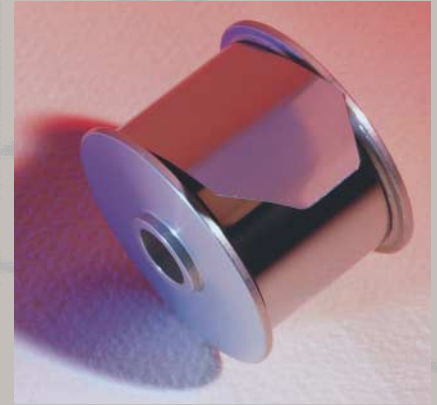
Manufacture of Spiroflex Springs



1 A Spiroflex spring is manufactured from flat spring steel strip, either a Stainless Steel or a specialised High Carbon strip.



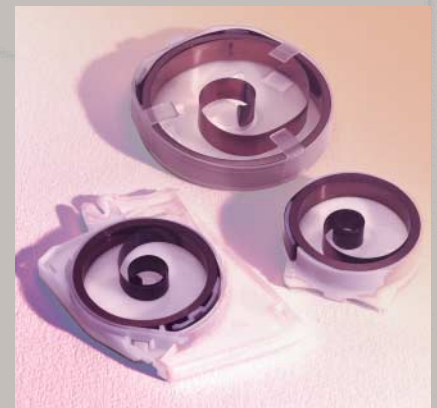
2 The strip is rolled up to a constant diameter along its length and heat-treated. This gives the strip the tendency to curl up along its length.



3 The spring can be mounted onto a drum or into a cavity. When pulled out the spring will exert a force as it attempts to coil up again, this force is constant along its length. The spring can be used in this way and is called an 'Extension Spring'



4 By reverse winding the spring around a drum this force can be converted into a constant rotational torque. A spring used in this way is called a 'Motor Spring'



5 By centrally winding the spring a near constant torque can be achieved in a limited space, these springs are known as 'High Start Power Springs'

