VINSCO

Corrosion Protective

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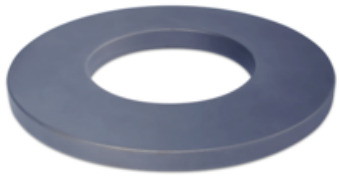
Phosphating

This is the standard surface treatment usually applied to carbon steel disc springs, this finish is usually sufficient to prevent corrosion in unexposed applications and during transportation and storage. However in applications where the disc springs will be subjected to the elements a higher level of protection would be required.



Mechanical Zinc Plating

A mechanical plating process that allows a substantial thickness of zinc to be applied to the surface of the disc spring without the risk of hydrogen embrittlement associated with normal electroplating. A passivation would then be applied to seal the plating.

Chemical Nickel Plating

Chemical nickel plating also know as electroless nickel plating is a high quality coating that is wear-resistant and decorative while providing protection against corrosion. Because of the nature of the chemical nickel-plating process, hydrogen embrittlement may occur. The chemical nickel-plating of disc springs is done in dipping units. Nickel-plated disc springs are typically used in applications where they are exposed to heigh mechanical and chemical stresses.

Geomet Coating

This is an inorganic silver-grey metallic coating of zinc and aluminium flakes in a chromatic compound. The parts are treated in a barrel or on racks and the coating then baked on at over 280, Dacromet-treated springs exhibit excellent resistance in a salt spray test. With the usual processing technology there is absolutely no possibility of hydrogen embrittlement.

Vinsco Spring Limited

108 Baotashan Rd, Changzhou213022, P. R. China T +86 519 8387 6527 info@vinscospring.com