

Type Micro Cracked Hard Chrome

Deposit	25 microns +/-5microns (.001" +/- .0002") with 600 Cracks per linear inch.
Surface Finish	Ra 0.1 - 0.3 micro metres (Ca 4 - 12 micro inches). To be smooth and free of irregularities.
Quality	Plating to be Homogenous, uniform in appearance, free of pin-holes, pits, nodules, blisters and other defects. Transition between plated and un-plated areas to blend in smoothly.
Deposit Hardness	1100 - 1200 Vickers.
Corrosion Protection	Grade 9 rating to BS5466 Part 6 after 180 - 200 hours, using a BS7479: 1991 Neutral Salt Spray Test.
Diametrical Tolerances	f7 Tolerance up to 110mm diameter, f8 Tolerance up to 200mm diameter.
Suitable Materials	All carbon steels suitable for plating, as follows: 20MnV6 CK45 S355J2 42CrMo4v 4140 4145 Or equivalent specifications. Any material types not listed above must be notified to H.Reis (TR) Limited before submitting for process. Any hardening or heat treatment processes must also be notified. Material supplied must be suitably round, straight, free from stress and have no base splits or inclusions.
Suitable Applications	Hydraulic and engineering components requiring all the normal advantages of Hard Chrome but with greatly enhanced corrosion protection.

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