



servis
heat treatment

Data Sheet

Process:	Beta 25 Process #
Description:	A revolutionary extended austenitic thermo-chemical process which imparts outstanding wear and indentation resistance with added corrosion resistance to mild and low alloy steels. Can replace the use of more expensive materials.
Application:	Applied to mild and low alloy steels where wear resistance and medium to heavy indentation resistance is required but with a minimum of distortion during processing. Eliminates the need for expensive post-treatment plating or phosphating. Beta processed components will outperform traditionally case hardened components particularly in aggressive environments. Typical components: Gears, Mining equipment components, Shafts, Slides, Chain Pins and Rollers, Bearings etc.
Metallurgical Aspects:	Compound layer depth: 0.025 - 0.05 mm. Compound layer hardness: 800μ HV plus Substrate hardness: Dependant upon material

