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Providing Quality You Can't See!

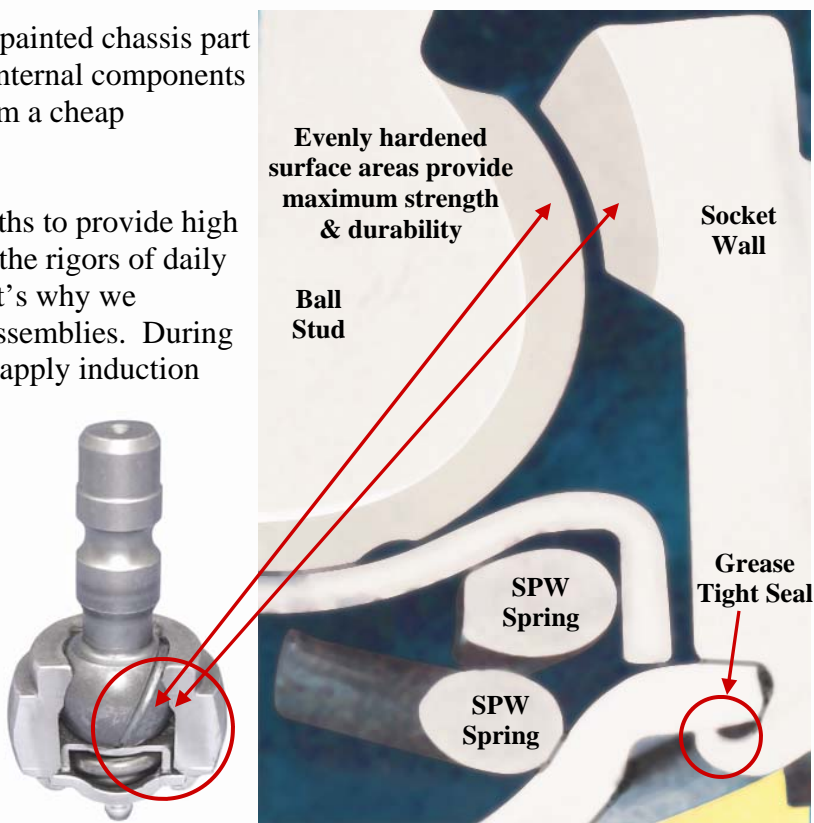
Providing an aesthetically clean freshly painted chassis part is easy. It's what we engineer into the internal components that separates a high quality product from a cheap imitation.

Falcon Steering goes through great lengths to provide high quality OE products that will withstand the rigors of daily driving and rough road conditions. That's why we **"Surface Harden"** all the ball-socket assemblies. During the manufacturing process we carefully apply induction hardening to the **ball socket** and case hardening to the **inner wall socket surface** to the same hardness and depth in both surfaces. This ensures even wear, precision performance and maximum life.

"Surface Hardening" is a process of heat treating the surface area to form a layer of harder steel. The surface area microstructure is physically altered to increase hardness by reorganizing its atomic distribution into a more compact lattice to resist wear and tear.

Many competitors skip these processes by using a nylon bushing to save cost, which unfortunately reduces parts reliability. Nylon may be ideal for perfect road and driving conditions, but is easily subject to premature wear patterns when exposed to harsh road and driving conditions. Precision **"surface hardened"** components provide superior long lasting performance and precise steering response.

Falcon Steering also uses a **"SPW Spring"** design which provides better energy absorption and insures the ball socket will remain correctly positioned in all driving conditions. Additionally, Falcon Steering has engineered in a **"Grease Tight Seal"** design by using a thick forged metal lip to ensure the lubrication stays in the assembly and will not leak.



Professional Quality Products Since 1988