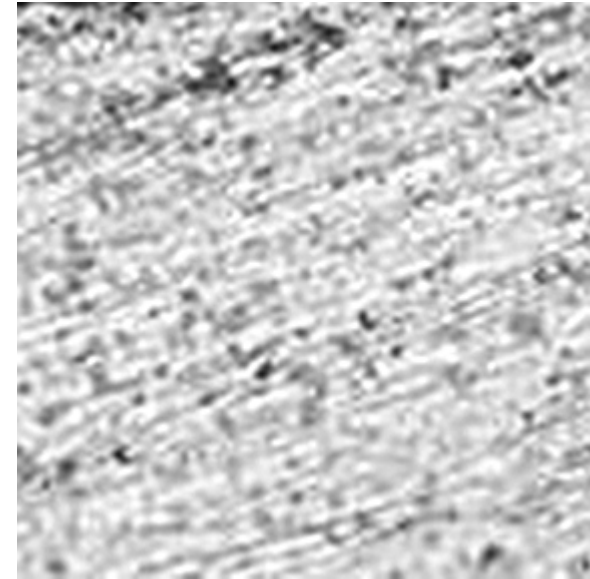


PowerSteel™



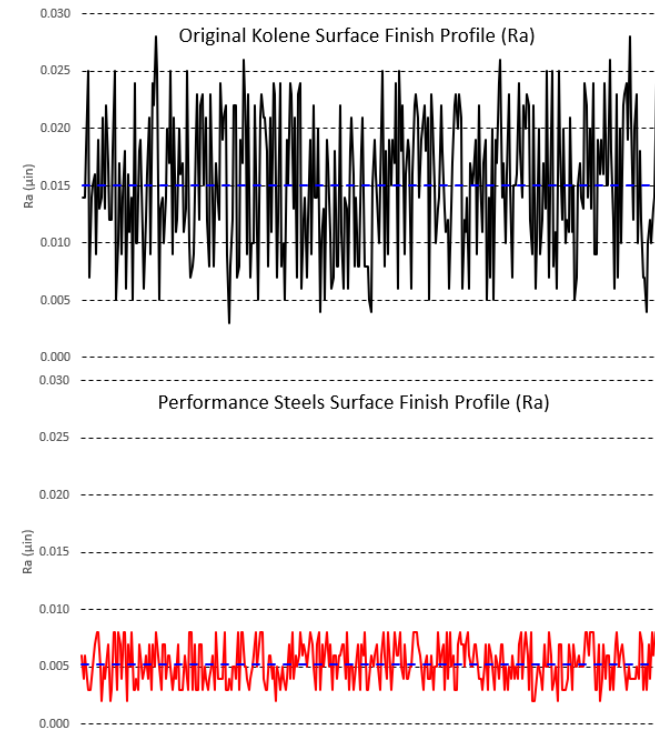
Steel Surface Facts

- The surface of a steel plates is measured in Roughness (average) commonly known as Ra
- Most steel plates have a commercial surface finish of 15 to 25 micro inches (μin).
- This surface viewed by eye looks smooth but under a microscope has many peaks and valleys and has a rough finish.



PowerSteel™ Clutches

- **Alto's surface refinement process controls the surface finish.**
- **Lowers the average Ra value to a range of 2 to 10 μin .**
- **Reduces the peak Ra values while reducing the overall variation in Ra.**



PowerSteel™

Advantages Vs Kolene®

- **Minimizes damage for the clutch housing or transmission case**
- **Eliminates discoloration / contamination of oil**
- **Provides a uniform appearance**
- **Reduces brittleness of the clutch**



PowerSteel™ Enhancements

- **Reduces wear on mating friction surfaces**
- **Improves durability of friction clutches**
- **Reduces noise, vibration, and harshness of shifting (NVH)**
- **Increases boundary layer lubrication**
- **Reduces chance for hot spotting, warpage, and coning**
- **The Alto PowerSteel™ surfaces are primed and ready for your extreme performance, heavy duty, and shift sensitive applications.**

