

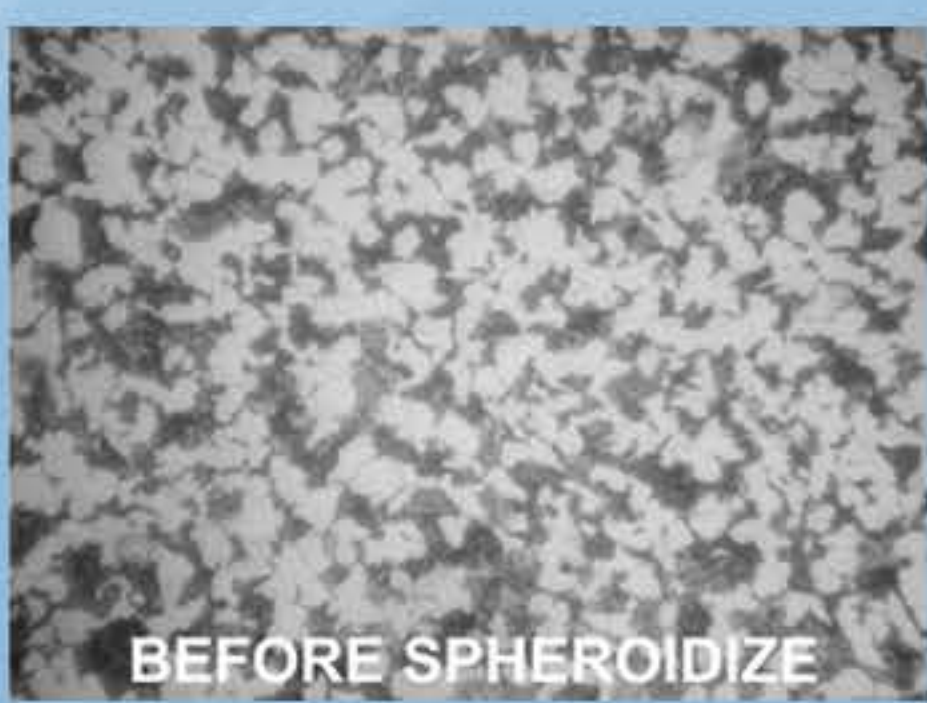


I N F O R M A T I O N G U I D E

YFS

Standard Quality & Inspection

ANNEALING (Heat Treatment)



OTHER



YFS

In the process of Annealing, the raw material is prepared for cold heading, changing the material structure into a finer crystalline state. This allows for proper cold forming. During this process, YFS ensures closely controlled atmospheric conditions to insure against brittle material that may lead to internal crack within the finished components.

All YFS parts exemplify superior fit, form, and function by utilizing rigid process controls during the heading process. All aspects of the components, including tooling and dies, are closely monitored for wear and fatigue at each forming station to help maintain tight tolerances and sharp dimensions.

FORMING

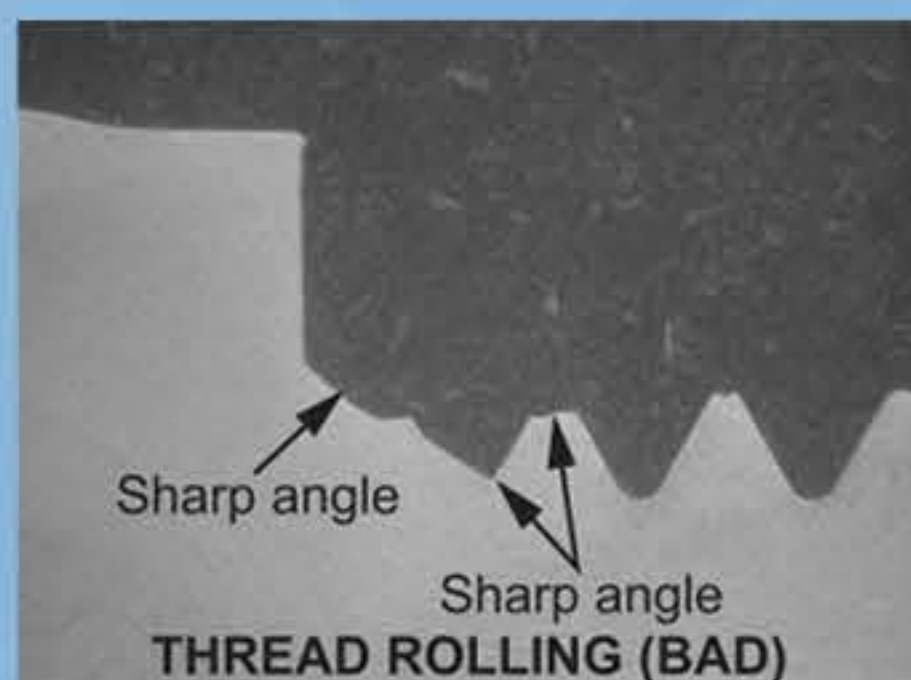


OTHER

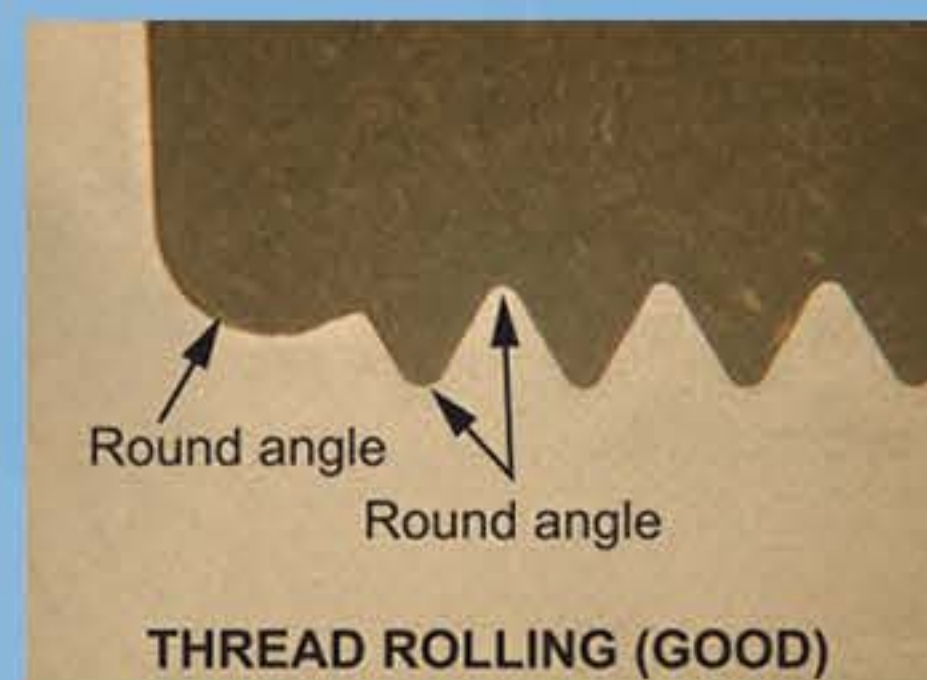


YFS

THREAD FORMING



OTHER



YFS

Thread rolling plates are meticulously monitored to produce consistent corners and angles in the thread profile, allowing for a uniform distribution of stress in the threaded area of each YFS component.

The proper management of quenching, tempering and temperature throughout the heat treat cycle is imperative in producing components that meet the correct mechanical and chemical specifications. That's why YFS closely monitors the level of carbon in the atmosphere during heat treatment.

With each process above the integrity of the finished component increases. This is why we are confident to offer these vigorously tested and quality controlled components. Giving you confidence with any job.