WHY FORGINGS ARE BEST

REFINED MICROSTRUCTURE
from Recrystallization and Grain Refinement...

- Reproducible response to heat treatment
- Minimum variation in machinability
- Consistent levels of finish
- Stable dimensional characteristics
- Maximum strength and toughness

DIRECTIONAL STRENGTH
from Controlled Deformation at Elevated Temperatures...

- Directional “grain flow” = directional properties
- Higher strength-to-weight ratio
- Better ductility
- Resistance to impact and fatigue

QC Forge applies rapid Infrared heating to aluminum forgings, creating enhanced physical properties, such as improved fatigue life, fine grain aluminum microstructure, and better response to heat treatment. QC Forge uses IR heating technology to reduce energy consumption and lower production costs. U.S. Patent 7,844,256B2