GOLDSCHMIDT
THERMIT GROUP



THERMIT® PLUS

THE NEW THERMIT® WITH SUPERIOR PROPERTIES

Product | **Benefits** | **Features**



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Benefits

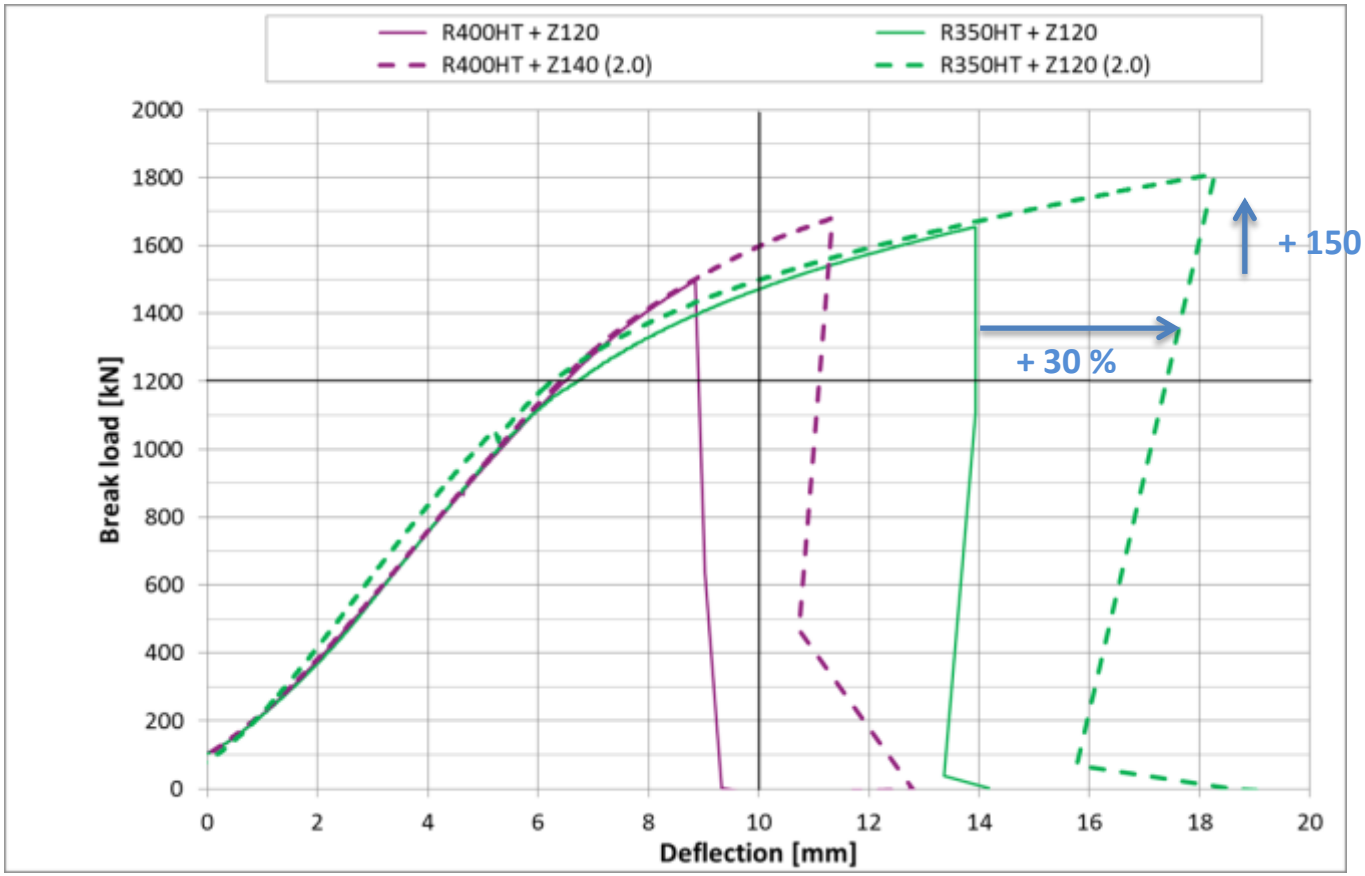
- improved mechanical strength and ductility
- excellent fatigue properties
- enhanced bending and break load results (see next slide)
- reduced vulnerability for defects (esp. hot cracks, web fractures)
- low visual reactivity



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Features

- working range: Perlitic High Strength Rail Steels (330HB – 460HB), e.g.:
  HP335 (TATA), R350(L)HT and R370CrHT (voestalpine, TATA),
  R400HT and XR/420UHC (voestalpine),
  full hardened (e.g. Russia), Nippon HEX (USA),
  Premium Head Hardened Rail ≥ 370 HB (ArcelorMittal/USA);
  grooved rails: R340GHT (voestalpine) and 330V (TATA).
- approval for track test already for selected grades in: Germany, Switzerland, Austria, Lithuania, Hungary, Taiwan, Australia, Netherlands (homologated)
- available for our processes in SUCs: SkV-Elite L25, SoW-5, SRZ.
- stable weld metal chemistry
- hardness adjustable to rail grade