

Old Laboratory Notebook

Specimen: A

Steel grade 8620

Carbon 0.20

Manganese 0.80

Quench at 900 C

Tempered 1.8 hr

880 MPa tensile strength.

Specimen: B

Steel grade 1045

Carbon 0.47

Manganese 0.78

Quench at 880 C

Tempered 1.8 hr

705 MPa tensile strength.

Specimen: C

Steel grade 4140

Carbon 0.42

Manganese 0.88

Quench at 920 C

Tempered 2.0 hr

890 MPa tensile strength.