Source,Steel type,Initial hardness (HRC) - post quenching,Tempering time (s),Tempering temperature (ÂºC),C (%wt),Mn (%wt),P (%wt),S (%wt),Si (%wt),Ni (%wt),Cr (%wt),Mo (%wt),V (%wt),Al (%wt),Cu (%wt),Final hardness (HRC) - post tempering
Grange and Baughman, 1956,AISI-SAE 1026,?,600,204.4,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,50.6
Grange and Baughman, 1956,AISI-SAE 1026,?,600,260,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,48.3
Grange and Baughman, 1956,AISI-SAE 1026,?,600,315.6,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,43.7
Grange and Baughman, 1956,AISI-SAE 1026,?,600,371.1,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,40.5
Grange and Baughman, 1956,AISI-SAE 1026,?,600,426.7,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,37.3
Grange and Baughman, 1956,AISI-SAE 1026,?,600,482.2,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,31.2
Grange and Baughman, 1956,AISI-SAE 1026,?,600,537.8,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,26.2
Grange and Baughman, 1956,AISI-SAE 1026,?,600,593.3,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,23.1
Grange and Baughman, 1956,AISI-SAE 1026,?,600,648.9,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,17.3
Grange and Baughman, 1956,AISI-SAE 1026,?,600,704.4,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,11.7
Grange and Baughman, 1956,AISI-SAE 1026,?,3600,204.4,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,48.9
Grange and Baughman, 1956,AISI-SAE 1026,?,3600,260,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,45.9
Grange and Baughman, 1956,AISI-SAE 1026,?,3600,315.6,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,42.5
Grange and Baughman, 1956,AISI-SAE 1026,?,3600,371.1,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,39.2
Grange and Baughman, 1956,AISI-SAE 1026,?,3600,426.7,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,33.4
Grange and Baughman, 1956,AISI-SAE 1026,?,3600,482.2,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,28.5
Grange and Baughman, 1956,AISI-SAE 1026,?,3600,537.8,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,22.6
Grange and Baughman, 1956,AISI-SAE 1026,?,3600,648.9,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,12.6
Grange and Baughman, 1956,AISI-SAE 1026,?,3600,704.4,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,8.6
Grange and Baughman, 1956,AISI-SAE 1026,?,14400,204.4,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,47.6
Grange and Baughman, 1956,AISI-SAE 1026,?,14400,260,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,44.7
Grange and Baughman, 1956,AISI-SAE 1026,?,14400,315.6,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,40.9
Grange and Baughman, 1956,AISI-SAE 1026,?,14400,371.1,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,37.1
Grange and Baughman, 1956,AISI-SAE 1026,?,14400,426.7,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,31.6
Grange and Baughman, 1956,AISI-SAE 1026,?,14400,482.2,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,26.2
Grange and Baughman, 1956,AISI-SAE 1026,?,14400,537.8,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,20.7
Grange and Baughman, 1956,AISI-SAE 1026,?,14400,593.3,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,15.0
Grange and Baughman, 1956,AISI-SAE 1026,?,14400,648.9,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,9.4
Grange and Baughman, 1956,AISI-SAE 1026,?,14400,704.4,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,7.0
Grange and Baughman, 1956,AISI-SAE 1026,?,86400,204.4,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,45.5
Grange and Baughman, 1956,AISI-SAE 1026,?,86400,260,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,43.4
Grange and Baughman, 1956,AISI-SAE 1026,?,86400,315.6,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,40.7
Grange and Baughman, 1956,AISI-SAE 1026,?,86400,371.1,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,34.3
Grange and Baughman, 1956,AISI-SAE 1026,?,86400,426.7,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,28.4
Grange and Baughman, 1956,AISI-SAE 1026,?,86400,482.2,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,23.6
Grange and Baughman, 1956,AISI-SAE 1026,?,86400,537.8,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,18.7
Grange and Baughman, 1956,AISI-SAE 1026,?,86400,593.3,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,10.9
Grange and Baughman, 1956,AISI-SAE 1026,?,86400,648.9,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,2.6
Grange and Baughman, 1956,AISI-SAE 1026,?,86400,704.4,0.25,0.79,0.012,0.026,0.11,0,0,0,0,0,0,3.2
Grange and Baughman, 1956,AISI-SAE 1030,?,600,204.4,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,52.1
Grange and Baughman, 1956,AISI-SAE 1030,?,600,260,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,49.1
Grange and Baughman, 1956,AISI-SAE 1030,?,600,315.6,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,44.3
Grange and Baughman, 1956,AISI-SAE 1030,?,600,371.1,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,40.2
Grange and Baughman, 1956,AISI-SAE 1030,?,600,426.7,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,37.5
Grange and Baughman, 1956,AISI-SAE 1030,?,600,482.2,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,30.4
Grange and Baughman, 1956,AISI-SAE 1030,?,600,537.8,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,25.8
Grange and Baughman, 1956,AISI-SAE 1030,?,600,593.3,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,22.1
Grange and Baughman, 1956,AISI-SAE 1030,?,600,648.9,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,15.5

Grange and Baughman, 1956,AISI-SAE 1030,?,600,704.4,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,13.1
Grange and Baughman, 1956,AISI-SAE 1030,?,3600,204.4,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,49.3
Grange and Baughman, 1956,AISI-SAE 1030,?,3600,260,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,45.9
Grange and Baughman, 1956,AISI-SAE 1030,?,3600,315.6,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,42.2
Grange and Baughman, 1956,AISI-SAE 1030,?,3600,371.1,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,39.4
Grange and Baughman, 1956,AISI-SAE 1030,?,3600,426.7,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,34.0
Grange and Baughman, 1956,AISI-SAE 1030,?,3600,482.2,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,29.0
Grange and Baughman, 1956,AISI-SAE 1030,?,3600,537.8,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,22.4
Grange and Baughman, 1956,AISI-SAE 1030,?,3600,648.9,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,11.7
Grange and Baughman, 1956,AISI-SAE 1030,?,3600,704.4,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,10.2
Grange and Baughman, 1956,AISI-SAE 1030,?,14400,204.4,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,48.3
Grange and Baughman, 1956,AISI-SAE 1030,?,14400,260,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,44.9
Grange and Baughman, 1956,AISI-SAE 1030,?,14400,315.6,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,40.9
Grange and Baughman, 1956,AISI-SAE 1030,?,14400,371.1,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,37.3
Grange and Baughman, 1956,AISI-SAE 1030,?,14400,426.7,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,31.3
Grange and Baughman, 1956,AISI-SAE 1030,?,14400,482.2,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,25.6
Grange and Baughman, 1956,AISI-SAE 1030,?,14400,537.8,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,20.9
Grange and Baughman, 1956,AISI-SAE 1030,?,14400,593.3,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,10.9
Grange and Baughman, 1956,AISI-SAE 1030,?,14400,648.9,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,8.6
Grange and Baughman, 1956,AISI-SAE 1030,?,14400,704.4,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,7.3
Grange and Baughman, 1956,AISI-SAE 1030,?,86400,204.4,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,46.8
Grange and Baughman, 1956,AISI-SAE 1030,?,86400,260,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,43.9
Grange and Baughman, 1956,AISI-SAE 1030,?,86400,315.6,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,40.9
Grange and Baughman, 1956,AISI-SAE 1030,?,86400,371.1,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,35.4
Grange and Baughman, 1956,AISI-SAE 1030,?,86400,426.7,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,27.8
Grange and Baughman, 1956,AISI-SAE 1030,?,86400,482.2,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,23.3
Grange and Baughman, 1956,AISI-SAE 1030,?,86400,537.8,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,16.1
Grange and Baughman, 1956,AISI-SAE 1030,?,86400,593.3,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,6.5
Grange and Baughman, 1956,AISI-SAE 1030,?,86400,648.9,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,0.9
Grange and Baughman, 1956,AISI-SAE 1030,?,86400,704.4,0.31,0.57,0.008,0.025,0.09,0.02,0.02,0,0,0,0,2.3
Grange and Baughman, 1956,AISI-SAE 1035,?,600,204.4,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,52.3
Grange and Baughman, 1956,AISI-SAE 1035,?,600,260,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,50.4
Grange and Baughman, 1956,AISI-SAE 1035,?,600,315.6,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,46.8
Grange and Baughman, 1956,AISI-SAE 1035,?,600,371.1,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,44.3
Grange and Baughman, 1956,AISI-SAE 1035,?,600,426.7,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,38.6
Grange and Baughman, 1956,AISI-SAE 1035,?,600,482.2,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,33.4
Grange and Baughman, 1956,AISI-SAE 1035,?,600,537.8,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,28.4
Grange and Baughman, 1956,AISI-SAE 1035,?,600,593.3,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,25.5
Grange and Baughman, 1956,AISI-SAE 1035,?,600,648.9,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,20.9
Grange and Baughman, 1956,AISI-SAE 1035,?,600,704.4,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,15.0
Grange and Baughman, 1956,AISI-SAE 1035,?,3600,204.4,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,51.5
Grange and Baughman, 1956,AISI-SAE 1035,?,3600,260,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,48.9
Grange and Baughman, 1956,AISI-SAE 1035,?,3600,315.6,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,46.4
Grange and Baughman, 1956,AISI-SAE 1035,?,3600,371.1,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,41.7
Grange and Baughman, 1956,AISI-SAE 1035,?,3600,426.7,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,36.1
Grange and Baughman, 1956,AISI-SAE 1035,?,3600,482.2,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,30.7
Grange and Baughman, 1956,AISI-SAE 1035,?,3600,537.8,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,26.1
Grange and Baughman, 1956,AISI-SAE 1035,?,3600,593.3,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,21.2
Grange and Baughman, 1956,AISI-SAE 1035,?,3600,648.9,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,16.5

Grange and Baughman, 1956,AISI-SAE 1035,?,3600,704.4,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,12.4
Grange and Baughman, 1956,AISI-SAE 1035,?,14400,204.4,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,50.0
Grange and Baughman, 1956,AISI-SAE 1035,?,14400,260,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,48.3
Grange and Baughman, 1956,AISI-SAE 1035,?,14400,315.6,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,44.9
Grange and Baughman, 1956,AISI-SAE 1035,?,14400,371.1,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,39.2
Grange and Baughman, 1956,AISI-SAE 1035,?,14400,426.7,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,33.9
Grange and Baughman, 1956,AISI-SAE 1035,?,14400,482.2,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,28.8
Grange and Baughman, 1956,AISI-SAE 1035,?,14400,537.8,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,23.9
Grange and Baughman, 1956,AISI-SAE 1035,?,14400,593.3,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,18.9
Grange and Baughman, 1956,AISI-SAE 1035,?,14400,648.9,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,13.1
Grange and Baughman, 1956,AISI-SAE 1035,?,14400,704.4,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,8.6
Grange and Baughman, 1956,AISI-SAE 1035,?,86400,204.4,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,49.1
Grange and Baughman, 1956,AISI-SAE 1035,?,86400,260,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,47.0
Grange and Baughman, 1956,AISI-SAE 1035,?,86400,315.6,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,43.7
Grange and Baughman, 1956,AISI-SAE 1035,?,86400,371.1,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,36.9
Grange and Baughman, 1956,AISI-SAE 1035,?,86400,426.7,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,31.2
Grange and Baughman, 1956,AISI-SAE 1035,?,86400,482.2,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,24.9
Grange and Baughman, 1956,AISI-SAE 1035,?,86400,537.8,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,20.7
Grange and Baughman, 1956,AISI-SAE 1035,?,86400,593.3,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,14.8
Grange and Baughman, 1956,AISI-SAE 1035,?,86400,648.9,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,9.2
Grange and Baughman, 1956,AISI-SAE 1035,?,86400,704.4,0.36,0.74,0.019,0.03,0.24,0.02,0.02,0.01,0,0,0,5.0
Grange and Baughman, 1956,AISI-SAE 1038,?,3600,204.4,0.39,0.75,0.048,0.043,0.18,0,0,0,0,0,0,51.5
Grange and Baughman, 1956,AISI-SAE 1038,?,3600,260,0.39,0.75,0.048,0.043,0.18,0,0,0,0,0,0,49.0
Grange and Baughman, 1956,AISI-SAE 1038,?,3600,315.6,0.39,0.75,0.048,0.043,0.18,0,0,0,0,0,0,46.0
Grange and Baughman, 1956,AISI-SAE 1038,?,3600,371.1,0.39,0.75,0.048,0.043,0.18,0,0,0,0,0,0,41.5
Grange and Baughman, 1956,AISI-SAE 1038,?,3600,426.7,0.39,0.75,0.048,0.043,0.18,0,0,0,0,0,0,37.0
Grange and Baughman, 1956,AISI-SAE 1038,?,3600,482.2,0.39,0.75,0.048,0.043,0.18,0,0,0,0,0,0,32.5
Grange and Baughman, 1956,AISI-SAE 1038,?,3600,537.8,0.39,0.75,0.048,0.043,0.18,0,0,0,0,0,0,28.0
Grange and Baughman, 1956,AISI-SAE 1038,?,3600,593.3,0.39,0.75,0.048,0.043,0.18,0,0,0,0,0,0,22.2
Grange and Baughman, 1956,AISI-SAE 1038,?,3600,648.9,0.39,0.75,0.048,0.043,0.18,0,0,0,0,0,0,18.2
Grange and Baughman, 1956,AISI-SAE 1040,?,600,204.4,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,53.2
Grange and Baughman, 1956,AISI-SAE 1040,?,600,260,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,51.9
Grange and Baughman, 1956,AISI-SAE 1040,?,600,315.6,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,48.9
Grange and Baughman, 1956,AISI-SAE 1040,?,600,371.1,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,44.9
Grange and Baughman, 1956,AISI-SAE 1040,?,600,426.7,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,40.0
Grange and Baughman, 1956,AISI-SAE 1040,?,600,482.2,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,35.1
Grange and Baughman, 1956,AISI-SAE 1040,?,600,537.8,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,30.7
Grange and Baughman, 1956,AISI-SAE 1040,?,600,593.3,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,27.7
Grange and Baughman, 1956,AISI-SAE 1040,?,600,648.9,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,24.1
Grange and Baughman, 1956,AISI-SAE 1040,?,600,704.4,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,20.0
Grange and Baughman, 1956,AISI-SAE 1040,?,3600,204.4,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,52.6
Grange and Baughman, 1956,AISI-SAE 1040,?,3600,260,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,50.4
Grange and Baughman, 1956,AISI-SAE 1040,?,3600,315.6,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,47.6
Grange and Baughman, 1956,AISI-SAE 1040,?,3600,371.1,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,42.8
Grange and Baughman, 1956,AISI-SAE 1040,?,3600,426.7,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,37.9
Grange and Baughman, 1956,AISI-SAE 1040,?,3600,482.2,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,33.0
Grange and Baughman, 1956,AISI-SAE 1040,?,3600,537.8,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,28.3
Grange and Baughman, 1956,AISI-SAE 1040,?,3600,593.3,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,24.6
Grange and Baughman, 1956,AISI-SAE 1040,?,3600,648.9,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,20.9

Grange and Baughman, 1956,AISI-SAE 1040,?,3600,704.4,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,16.3
Grange and Baughman, 1956,AISI-SAE 1040,?,14400,204.4,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,51.0
Grange and Baughman, 1956,AISI-SAE 1040,?,14400,260,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,49.5
Grange and Baughman, 1956,AISI-SAE 1040,?,14400,315.6,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,46.5
Grange and Baughman, 1956,AISI-SAE 1040,?,14400,371.1,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,41.2
Grange and Baughman, 1956,AISI-SAE 1040,?,14400,426.7,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,35.4
Grange and Baughman, 1956,AISI-SAE 1040,?,14400,482.2,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,30.9
Grange and Baughman, 1956,AISI-SAE 1040,?,14400,537.8,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,26.5
Grange and Baughman, 1956,AISI-SAE 1040,?,14400,593.3,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,22.9
Grange and Baughman, 1956,AISI-SAE 1040,?,14400,648.9,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,17.3
Grange and Baughman, 1956,AISI-SAE 1040,?,14400,704.4,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,12.6
Grange and Baughman, 1956,AISI-SAE 1040,?,86400,204.4,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,50.6
Grange and Baughman, 1956,AISI-SAE 1040,?,86400,260,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,48.5
Grange and Baughman, 1956,AISI-SAE 1040,?,86400,315.6,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,44.9
Grange and Baughman, 1956,AISI-SAE 1040,?,86400,371.1,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,38.4
Grange and Baughman, 1956,AISI-SAE 1040,?,86400,426.7,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,33.0
Grange and Baughman, 1956,AISI-SAE 1040,?,86400,482.2,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,27.8
Grange and Baughman, 1956,AISI-SAE 1040,?,86400,537.8,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,24.1
Grange and Baughman, 1956,AISI-SAE 1040,?,86400,593.3,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,18.7
Grange and Baughman, 1956,AISI-SAE 1040,?,86400,648.9,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,14.0
Grange and Baughman, 1956,AISI-SAE 1040,?,86400,704.4,0.4,0.6,0.01,0.013,0.27,0.02,0.07,0.01,0,0,0,10.4
Grange and Baughman, 1956,AISI-SAE 1042,?,600,204.4,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,55.2
Grange and Baughman, 1956,AISI-SAE 1042,?,600,260,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,53.6
Grange and Baughman, 1956,AISI-SAE 1042,?,600,315.6,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,50.0
Grange and Baughman, 1956,AISI-SAE 1042,?,600,371.1,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,46.5
Grange and Baughman, 1956,AISI-SAE 1042,?,600,426.7,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,42.0
Grange and Baughman, 1956,AISI-SAE 1042,?,600,482.2,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,36.6
Grange and Baughman, 1956,AISI-SAE 1042,?,600,537.8,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,32.1
Grange and Baughman, 1956,AISI-SAE 1042,?,600,593.3,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,28.4
Grange and Baughman, 1956,AISI-SAE 1042,?,600,648.9,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,23.6
Grange and Baughman, 1956,AISI-SAE 1042,?,600,704.4,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,17.9
Grange and Baughman, 1956,AISI-SAE 1042,?,3600,204.4,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,54.5
Grange and Baughman, 1956,AISI-SAE 1042,?,3600,260,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,51.9
Grange and Baughman, 1956,AISI-SAE 1042,?,3600,315.6,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,48.9
Grange and Baughman, 1956,AISI-SAE 1042,?,3600,371.1,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,44.7
Grange and Baughman, 1956,AISI-SAE 1042,?,3600,426.7,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,39.6
Grange and Baughman, 1956,AISI-SAE 1042,?,3600,482.2,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,34.2
Grange and Baughman, 1956,AISI-SAE 1042,?,3600,537.8,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,29.5
Grange and Baughman, 1956,AISI-SAE 1042,?,3600,593.3,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,24.7
Grange and Baughman, 1956,AISI-SAE 1042,?,3600,648.9,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,19.2
Grange and Baughman, 1956,AISI-SAE 1042,?,3600,704.4,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,13.5
Grange and Baughman, 1956,AISI-SAE 1042,?,14400,204.4,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,53.2
Grange and Baughman, 1956,AISI-SAE 1042,?,14400,260,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,50.6
Grange and Baughman, 1956,AISI-SAE 1042,?,14400,315.6,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,48.0
Grange and Baughman, 1956,AISI-SAE 1042,?,14400,371.1,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,42.8
Grange and Baughman, 1956,AISI-SAE 1042,?,14400,426.7,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,37.3
Grange and Baughman, 1956,AISI-SAE 1042,?,14400,482.2,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,32.3
Grange and Baughman, 1956,AISI-SAE 1042,?,14400,537.8,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,26.5
Grange and Baughman, 1956,AISI-SAE 1042,?,14400,593.3,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,22.1

Grange and Baughman, 1956,AISI-SAE 1042,?,14400,648.9,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,15.9
Grange and Baughman, 1956,AISI-SAE 1042,?,14400,704.4,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,9.7
Grange and Baughman, 1956,AISI-SAE 1042,?,86400,204.4,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,52.1
Grange and Baughman, 1956,AISI-SAE 1042,?,86400,260,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,49.8
Grange and Baughman, 1956,AISI-SAE 1042,?,86400,315.6,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,46.1
Grange and Baughman, 1956,AISI-SAE 1042,?,86400,371.1,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,40.5
Grange and Baughman, 1956,AISI-SAE 1042,?,86400,426.7,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,34.6
Grange and Baughman, 1956,AISI-SAE 1042,?,86400,482.2,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,28.4
Grange and Baughman, 1956,AISI-SAE 1042,?,86400,537.8,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,23.3
Grange and Baughman, 1956,AISI-SAE 1042,?,86400,593.3,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,17.1
Grange and Baughman, 1956,AISI-SAE 1042,?,86400,648.9,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,11.4
Grange and Baughman, 1956,AISI-SAE 1042,?,86400,704.4,0.44,0.79,0.02,0.03,0.24,0.02,0.02,0.01,0,0,0,7.6
Grange and Baughman, 1956,AISI-SAE 1045,?,600,204.4,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,56.9
Grange and Baughman, 1956,AISI-SAE 1045,?,600,260,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,54.9
Grange and Baughman, 1956,AISI-SAE 1045,?,600,315.6,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,51.2
Grange and Baughman, 1956,AISI-SAE 1045,?,600,371.1,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,48.0
Grange and Baughman, 1956,AISI-SAE 1045,?,600,426.7,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,43.3
Grange and Baughman, 1956,AISI-SAE 1045,?,600,482.2,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,38.0
Grange and Baughman, 1956,AISI-SAE 1045,?,600,537.8,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,33.4
Grange and Baughman, 1956,AISI-SAE 1045,?,600,593.3,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,29.1
Grange and Baughman, 1956,AISI-SAE 1045,?,600,648.9,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,24.2
Grange and Baughman, 1956,AISI-SAE 1045,?,600,704.4,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,18.5
Grange and Baughman, 1956,AISI-SAE 1045,?,3600,204.4,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,56.3
Grange and Baughman, 1956,AISI-SAE 1045,?,3600,260,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,53.2
Grange and Baughman, 1956,AISI-SAE 1045,?,3600,315.6,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,50.2
Grange and Baughman, 1956,AISI-SAE 1045,?,3600,371.1,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,45.9
Grange and Baughman, 1956,AISI-SAE 1045,?,3600,426.7,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,40.7
Grange and Baughman, 1956,AISI-SAE 1045,?,3600,482.2,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,35.6
Grange and Baughman, 1956,AISI-SAE 1045,?,3600,537.8,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,30.4
Grange and Baughman, 1956,AISI-SAE 1045,?,3600,593.3,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,25.3
Grange and Baughman, 1956,AISI-SAE 1045,?,3600,648.9,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,20.3
Grange and Baughman, 1956,AISI-SAE 1045,?,3600,704.4,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,14.2
Grange and Baughman, 1956,AISI-SAE 1045,?,14400,204.4,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,54.5
Grange and Baughman, 1956,AISI-SAE 1045,?,14400,260,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,52.6
Grange and Baughman, 1956,AISI-SAE 1045,?,14400,315.6,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,49.1
Grange and Baughman, 1956,AISI-SAE 1045,?,14400,371.1,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,44.3
Grange and Baughman, 1956,AISI-SAE 1045,?,14400,426.7,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,38.4
Grange and Baughman, 1956,AISI-SAE 1045,?,14400,482.2,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,33.3
Grange and Baughman, 1956,AISI-SAE 1045,?,14400,537.8,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,27.8
Grange and Baughman, 1956,AISI-SAE 1045,?,14400,593.3,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,22.4
Grange and Baughman, 1956,AISI-SAE 1045,?,14400,648.9,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,17.5
Grange and Baughman, 1956,AISI-SAE 1045,?,14400,704.4,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,10.9
Grange and Baughman, 1956,AISI-SAE 1045,?,86400,204.4,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,53.8
Grange and Baughman, 1956,AISI-SAE 1045,?,86400,260,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,51.2
Grange and Baughman, 1956,AISI-SAE 1045,?,86400,315.6,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,47.4
Grange and Baughman, 1956,AISI-SAE 1045,?,86400,371.1,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,41.7
Grange and Baughman, 1956,AISI-SAE 1045,?,86400,426.7,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,36.1
Grange and Baughman, 1956,AISI-SAE 1045,?,86400,482.2,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,29.6
Grange and Baughman, 1956,AISI-SAE 1045,?,86400,537.8,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,24.2

Grange and Baughman, 1956,AISI-SAE 1045,?,86400,593.3,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,18.5
Grange and Baughman, 1956,AISI-SAE 1045,?,86400,648.9,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,12.4
Grange and Baughman, 1956,AISI-SAE 1045,?,86400,704.4,0.45,0.73,0.017,0.03,0.17,0.01,0.02,0.01,0,0,0,9.9
Grange and Baughman, 1956,AISI-SAE 1049,?,3600,204.4,0.48,0.76,0.046,0.048,0.14,0,0,0,0,0,0,55.0
Grange and Baughman, 1956,AISI-SAE 1049,?,3600,260,0.48,0.76,0.046,0.048,0.14,0,0,0,0,0,0,52.0
Grange and Baughman, 1956,AISI-SAE 1049,?,3600,315.6,0.48,0.76,0.046,0.048,0.14,0,0,0,0,0,0,49.0
Grange and Baughman, 1956,AISI-SAE 1049,?,3600,371.1,0.48,0.76,0.046,0.048,0.14,0,0,0,0,0,0,44.0
Grange and Baughman, 1956,AISI-SAE 1049,?,3600,426.7,0.48,0.76,0.046,0.048,0.14,0,0,0,0,0,0,40.0
Grange and Baughman, 1956,AISI-SAE 1049,?,3600,482.2,0.48,0.76,0.046,0.048,0.14,0,0,0,0,0,0,35.5
Grange and Baughman, 1956,AISI-SAE 1049,?,3600,537.8,0.48,0.76,0.046,0.048,0.14,0,0,0,0,0,0,30.5
Grange and Baughman, 1956,AISI-SAE 1049,?,3600,593.3,0.48,0.76,0.046,0.048,0.14,0,0,0,0,0,0,24.5
Grange and Baughman, 1956,AISI-SAE 1049,?,3600,648.9,0.48,0.76,0.046,0.048,0.14,0,0,0,0,0,0,19.0
Grange and Baughman, 1956,AISI-SAE 1050,?,600,204.4,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,57.1
Grange and Baughman, 1956,AISI-SAE 1050,?,600,315.6,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,51.3
Grange and Baughman, 1956,AISI-SAE 1050,?,600,426.7,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,45.8
Grange and Baughman, 1956,AISI-SAE 1050,?,600,537.8,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,36.0
Grange and Baughman, 1956,AISI-SAE 1050,?,3600,204.4,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,56.0
Grange and Baughman, 1956,AISI-SAE 1050,?,3600,260,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,54.0
Grange and Baughman, 1956,AISI-SAE 1050,?,3600,315.6,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,50.0
Grange and Baughman, 1956,AISI-SAE 1050,?,3600,371.1,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,46.5
Grange and Baughman, 1956,AISI-SAE 1050,?,3600,426.7,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,41.0
Grange and Baughman, 1956,AISI-SAE 1050,?,3600,482.2,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,37.7
Grange and Baughman, 1956,AISI-SAE 1050,?,3600,537.8,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,32.6
Grange and Baughman, 1956,AISI-SAE 1050,?,3600,593.3,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,27.2
Grange and Baughman, 1956,AISI-SAE 1050,?,3600,648.9,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,18.5
Grange and Baughman, 1956,AISI-SAE 1050,?,86400,204.4,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,53.6
Grange and Baughman, 1956,AISI-SAE 1050,?,86400,315.6,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,48.7
Grange and Baughman, 1956,AISI-SAE 1050,?,86400,426.7,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,39.5
Grange and Baughman, 1956,AISI-SAE 1050,?,86400,537.8,0.5,0.91,0.046,0.041,0.13,0,0,0,0,0,0,26.5
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,204.4,0.63,0.87,0.023,0.018,0.17,0.02,0.04,0,0,0,0,58.3
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,260,0.63,0.87,0.023,0.018,0.17,0.02,0.04,0,0,0,0,55.9
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,315.6,0.63,0.87,0.023,0.018,0.17,0.02,0.04,0,0,0,0,52.4
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,371.1,0.63,0.87,0.023,0.018,0.17,0.02,0.04,0,0,0,0,49.5
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,426.7,0.63,0.87,0.023,0.018,0.17,0.02,0.04,0,0,0,0,44.8
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,482.2,0.63,0.87,0.023,0.018,0.17,0.02,0.04,0,0,0,0,39.7
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,537.8,0.63,0.87,0.023,0.018,0.17,0.02,0.04,0,0,0,0,34.5
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,593.3,0.63,0.87,0.023,0.018,0.17,0.02,0.04,0,0,0,0,29.7
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,648.9,0.63,0.87,0.023,0.018,0.17,0.02,0.04,0,0,0,0,23.4
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,704.4,0.63,0.87,0.023,0.018,0.17,0.02,0.04,0,0,0,0,16.7
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,204.4,0.65,0.87,0.04,0.042,0.19,0,0,0,0,0,0,59.2
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,260,0.65,0.87,0.04,0.042,0.19,0,0,0,0,0,0,56.5
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,315.6,0.65,0.87,0.04,0.042,0.19,0,0,0,0,0,0,53.5
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,371.1,0.65,0.87,0.04,0.042,0.19,0,0,0,0,0,0,50.0
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,426.7,0.65,0.87,0.04,0.042,0.19,0,0,0,0,0,0,45.0
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,482.2,0.65,0.87,0.04,0.042,0.19,0,0,0,0,0,0,41.5
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,537.8,0.65,0.87,0.04,0.042,0.19,0,0,0,0,0,0,36.5
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,593.3,0.65,0.87,0.04,0.042,0.19,0,0,0,0,0,0,31.2
Grange and Baughman, 1956,AISI-SAE 1065,?,3600,648.9,0.65,0.87,0.04,0.042,0.19,0,0,0,0,0,0,25.8
Grange and Baughman, 1956,AISI-SAE 1080,?,600,204.4,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,62.7

Grange and Baughman, 1956,AISI-SAE 1080,?,600,315.6,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,57.6
Grange and Baughman, 1956,AISI-SAE 1080,?,600,426.7,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,50.0
Grange and Baughman, 1956,AISI-SAE 1080,?,600,537.8,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,42.0
Grange and Baughman, 1956,AISI-SAE 1080,?,3600,204.4,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,61.3
Grange and Baughman, 1956,AISI-SAE 1080,?,3600,260,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,59.5
Grange and Baughman, 1956,AISI-SAE 1080,?,3600,315.6,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,56.7
Grange and Baughman, 1956,AISI-SAE 1080,?,3600,371.1,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,51.0
Grange and Baughman, 1956,AISI-SAE 1080,?,3600,426.7,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,47.0
Grange and Baughman, 1956,AISI-SAE 1080,?,3600,482.2,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,43.2
Grange and Baughman, 1956,AISI-SAE 1080,?,3600,537.8,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,38.8
Grange and Baughman, 1956,AISI-SAE 1080,?,3600,593.3,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,32.5
Grange and Baughman, 1956,AISI-SAE 1080,?,3600,648.9,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,27.0
Grange and Baughman, 1956,AISI-SAE 1080,?,86400,204.4,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,60.0
Grange and Baughman, 1956,AISI-SAE 1080,?,86400,315.6,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,53.5
Grange and Baughman, 1956,AISI-SAE 1080,?,86400,426.7,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,43.8
Grange and Baughman, 1956,AISI-SAE 1080,?,86400,537.8,0.82,0.75,0.054,0.055,0.3,0,0,0,0,0,0,32.0
Grange and Baughman, 1956,AISI-SAE 1335,?,40,426.7,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,44.9
Grange and Baughman, 1956,AISI-SAE 1335,?,40,537.8,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,38.0
Grange and Baughman, 1956,AISI-SAE 1335,?,40,593.3,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,34.7
Grange and Baughman, 1956,AISI-SAE 1335,?,40,648.9,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,30.9
Grange and Baughman, 1956,AISI-SAE 1335,?,120,426.7,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,43.2
Grange and Baughman, 1956,AISI-SAE 1335,?,120,537.8,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,36.1
Grange and Baughman, 1956,AISI-SAE 1335,?,120,593.3,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,33.0
Grange and Baughman, 1956,AISI-SAE 1335,?,120,648.9,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,29.6
Grange and Baughman, 1956,AISI-SAE 1335,?,300,426.7,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,42.6
Grange and Baughman, 1956,AISI-SAE 1335,?,300,537.8,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,34.8
Grange and Baughman, 1956,AISI-SAE 1335,?,300,593.3,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,32.8
Grange and Baughman, 1956,AISI-SAE 1335,?,300,648.9,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,28.1
Grange and Baughman, 1956,AISI-SAE 1335,?,900,426.7,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,39.9
Grange and Baughman, 1956,AISI-SAE 1335,?,900,537.8,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,33.5
Grange and Baughman, 1956,AISI-SAE 1335,?,900,593.3,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,29.8
Grange and Baughman, 1956,AISI-SAE 1335,?,900,648.9,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,25.5
Grange and Baughman, 1956,AISI-SAE 1335,?,3600,204.4,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,51.6
Grange and Baughman, 1956,AISI-SAE 1335,?,3600,260,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,48.6
Grange and Baughman, 1956,AISI-SAE 1335,?,3600,315.6,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,46.8
Grange and Baughman, 1956,AISI-SAE 1335,?,3600,371.1,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,44.4
Grange and Baughman, 1956,AISI-SAE 1335,?,3600,426.7,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,39.1
Grange and Baughman, 1956,AISI-SAE 1335,?,3600,482.2,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,34.3
Grange and Baughman, 1956,AISI-SAE 1335,?,3600,537.8,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,30.4
Grange and Baughman, 1956,AISI-SAE 1335,?,3600,593.3,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,27.1
Grange and Baughman, 1956,AISI-SAE 1335,?,3600,648.9,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,21.8
Grange and Baughman, 1956,AISI-SAE 1335,?,7200,204.4,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,51.2
Grange and Baughman, 1956,AISI-SAE 1335,?,7200,315.6,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,46.4
Grange and Baughman, 1956,AISI-SAE 1335,?,7200,426.7,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,37.9
Grange and Baughman, 1956,AISI-SAE 1335,?,7200,537.8,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,28.8
Grange and Baughman, 1956,AISI-SAE 1335,?,7200,648.9,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,18.5
Grange and Baughman, 1956,AISI-SAE 1335,?,14400,204.4,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,50.8
Grange and Baughman, 1956,AISI-SAE 1335,?,14400,315.6,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,46.3
Grange and Baughman, 1956,AISI-SAE 1335,?,14400,426.7,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,37.4

Grange and Baughman, 1956,AISI-SAE 1335,?,14400,537.8,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,27.7
Grange and Baughman, 1956,AISI-SAE 1335,?,14400,648.9,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,16.7
Grange and Baughman, 1956,AISI-SAE 1335,?,28800,204.4,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,50.5
Grange and Baughman, 1956,AISI-SAE 1335,?,28800,315.6,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,46.5
Grange and Baughman, 1956,AISI-SAE 1335,?,28800,426.7,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,37.3
Grange and Baughman, 1956,AISI-SAE 1335,?,28800,537.8,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,26.7
Grange and Baughman, 1956,AISI-SAE 1335,?,28800,648.9,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,14.8
Grange and Baughman, 1956,AISI-SAE 1335,?,57600,204.4,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,50.7
Grange and Baughman, 1956,AISI-SAE 1335,?,57600,315.6,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,46.7
Grange and Baughman, 1956,AISI-SAE 1335,?,57600,426.7,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,36.8
Grange and Baughman, 1956,AISI-SAE 1335,?,57600,537.8,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,25.5
Grange and Baughman, 1956,AISI-SAE 1335,?,57600,648.9,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,13.1
Grange and Baughman, 1956,AISI-SAE 1335,?,115200,204.4,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,50.3
Grange and Baughman, 1956,AISI-SAE 1335,?,115200,315.6,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,46.5
Grange and Baughman, 1956,AISI-SAE 1335,?,115200,426.7,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,36.4
Grange and Baughman, 1956,AISI-SAE 1335,?,115200,537.8,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,24.2
Grange and Baughman, 1956,AISI-SAE 1335,?,115200,648.9,0.35,1.85,0.02,0.026,0.19,0.01,0.03,0,0,0,0,12.4
Grange and Baughman, 1956,AISI-SAE 2340,?,40,426.7,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,43.7
Grange and Baughman, 1956,AISI-SAE 2340,?,40,537.8,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,37.0
Grange and Baughman, 1956,AISI-SAE 2340,?,40,593.3,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,33.6
Grange and Baughman, 1956,AISI-SAE 2340,?,40,648.9,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,30.7
Grange and Baughman, 1956,AISI-SAE 2340,?,120,426.7,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,41.6
Grange and Baughman, 1956,AISI-SAE 2340,?,120,537.8,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,34.7
Grange and Baughman, 1956,AISI-SAE 2340,?,120,593.3,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,32.3
Grange and Baughman, 1956,AISI-SAE 2340,?,120,648.9,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,27.4
Grange and Baughman, 1956,AISI-SAE 2340,?,300,426.7,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,40.0
Grange and Baughman, 1956,AISI-SAE 2340,?,300,537.8,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,32.8
Grange and Baughman, 1956,AISI-SAE 2340,?,300,593.3,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,30.2
Grange and Baughman, 1956,AISI-SAE 2340,?,300,648.9,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,26.5
Grange and Baughman, 1956,AISI-SAE 2340,?,900,426.7,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,39.3
Grange and Baughman, 1956,AISI-SAE 2340,?,900,537.8,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,31.6
Grange and Baughman, 1956,AISI-SAE 2340,?,900,593.3,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,27.6
Grange and Baughman, 1956,AISI-SAE 2340,?,900,648.9,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,24.2
Grange and Baughman, 1956,AISI-SAE 2340,?,3600,204.4,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,51.9
Grange and Baughman, 1956,AISI-SAE 2340,?,3600,260,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,49.7
Grange and Baughman, 1956,AISI-SAE 2340,?,3600,315.6,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,47.0
Grange and Baughman, 1956,AISI-SAE 2340,?,3600,371.1,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,42.7
Grange and Baughman, 1956,AISI-SAE 2340,?,3600,426.7,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,37.5
Grange and Baughman, 1956,AISI-SAE 2340,?,3600,482.2,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,33.6
Grange and Baughman, 1956,AISI-SAE 2340,?,3600,537.8,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,30.2
Grange and Baughman, 1956,AISI-SAE 2340,?,3600,593.3,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,25.6
Grange and Baughman, 1956,AISI-SAE 2340,?,3600,648.9,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,20.5
Grange and Baughman, 1956,AISI-SAE 2340,?,7200,204.4,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,52.1
Grange and Baughman, 1956,AISI-SAE 2340,?,7200,315.6,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,46.1
Grange and Baughman, 1956,AISI-SAE 2340,?,7200,426.7,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,36.8
Grange and Baughman, 1956,AISI-SAE 2340,?,7200,537.8,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,27.6
Grange and Baughman, 1956,AISI-SAE 2340,?,7200,648.9,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,18.1
Grange and Baughman, 1956,AISI-SAE 2340,?,14400,204.4,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,51.7
Grange and Baughman, 1956,AISI-SAE 2340,?,14400,315.6,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,45.5

Grange and Baughman, 1956,AISI-SAE 2340,?,14400,426.7,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,35.7
Grange and Baughman, 1956,AISI-SAE 2340,?,14400,537.8,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,26.1
Grange and Baughman, 1956,AISI-SAE 2340,?,14400,648.9,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,17.1
Grange and Baughman, 1956,AISI-SAE 2340,?,28800,204.4,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,51.9
Grange and Baughman, 1956,AISI-SAE 2340,?,28800,315.6,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,45.2
Grange and Baughman, 1956,AISI-SAE 2340,?,28800,426.7,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,35.6
Grange and Baughman, 1956,AISI-SAE 2340,?,28800,537.8,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,24.9
Grange and Baughman, 1956,AISI-SAE 2340,?,28800,648.9,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,16.1
Grange and Baughman, 1956,AISI-SAE 2340,?,57600,204.4,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,51.7
Grange and Baughman, 1956,AISI-SAE 2340,?,57600,315.6,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,44.9
Grange and Baughman, 1956,AISI-SAE 2340,?,57600,426.7,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,35.4
Grange and Baughman, 1956,AISI-SAE 2340,?,57600,537.8,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,24.1
Grange and Baughman, 1956,AISI-SAE 2340,?,57600,648.9,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,15.0
Grange and Baughman, 1956,AISI-SAE 2340,?,115200,204.4,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,51.3
Grange and Baughman, 1956,AISI-SAE 2340,?,115200,315.6,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,44.4
Grange and Baughman, 1956,AISI-SAE 2340,?,115200,426.7,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,34.5
Grange and Baughman, 1956,AISI-SAE 2340,?,115200,537.8,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,22.9
Grange and Baughman, 1956,AISI-SAE 2340,?,115200,648.9,0.37,0.68,0.014,0.021,0.21,3.41,0.05,0,0,0,0,13.7
Grange and Baughman, 1956,AISI-SAE 3140,?,40,426.7,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,44.7
Grange and Baughman, 1956,AISI-SAE 3140,?,40,537.8,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,38.7
Grange and Baughman, 1956,AISI-SAE 3140,?,40,593.3,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,35.1
Grange and Baughman, 1956,AISI-SAE 3140,?,40,648.9,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,31.7
Grange and Baughman, 1956,AISI-SAE 3140,?,120,426.7,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,44.2
Grange and Baughman, 1956,AISI-SAE 3140,?,120,537.8,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,37.5
Grange and Baughman, 1956,AISI-SAE 3140,?,120,593.3,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,33.6
Grange and Baughman, 1956,AISI-SAE 3140,?,120,648.9,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,30.0
Grange and Baughman, 1956,AISI-SAE 3140,?,300,426.7,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,43.0
Grange and Baughman, 1956,AISI-SAE 3140,?,300,537.8,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,35.8
Grange and Baughman, 1956,AISI-SAE 3140,?,300,593.3,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,31.4
Grange and Baughman, 1956,AISI-SAE 3140,?,300,648.9,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,28.7
Grange and Baughman, 1956,AISI-SAE 3140,?,900,426.7,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,41.9
Grange and Baughman, 1956,AISI-SAE 3140,?,900,537.8,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,34.1
Grange and Baughman, 1956,AISI-SAE 3140,?,900,593.3,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,30.2
Grange and Baughman, 1956,AISI-SAE 3140,?,900,648.9,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,26.4
Grange and Baughman, 1956,AISI-SAE 3140,?,3600,204.4,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,52.1
Grange and Baughman, 1956,AISI-SAE 3140,?,3600,260,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,49.5
Grange and Baughman, 1956,AISI-SAE 3140,?,3600,315.6,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,47.7
Grange and Baughman, 1956,AISI-SAE 3140,?,3600,371.1,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,44.9
Grange and Baughman, 1956,AISI-SAE 3140,?,3600,426.7,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,40.7
Grange and Baughman, 1956,AISI-SAE 3140,?,3600,482.2,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,35.8
Grange and Baughman, 1956,AISI-SAE 3140,?,3600,537.8,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,31.4
Grange and Baughman, 1956,AISI-SAE 3140,?,3600,593.3,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,27.8
Grange and Baughman, 1956,AISI-SAE 3140,?,3600,648.9,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,24.7
Grange and Baughman, 1956,AISI-SAE 3140,?,7200,204.4,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,52.0
Grange and Baughman, 1956,AISI-SAE 3140,?,7200,315.6,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,46.6
Grange and Baughman, 1956,AISI-SAE 3140,?,7200,426.7,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,38.8
Grange and Baughman, 1956,AISI-SAE 3140,?,7200,537.8,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,29.9
Grange and Baughman, 1956,AISI-SAE 3140,?,7200,648.9,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,22.1
Grange and Baughman, 1956,AISI-SAE 3140,?,14400,204.4,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,51.5

Grange and Baughman, 1956,AISI-SAE 3140,?,14400,315.6,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,46.9
Grange and Baughman, 1956,AISI-SAE 3140,?,14400,426.7,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,38.5
Grange and Baughman, 1956,AISI-SAE 3140,?,14400,537.8,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,28.4
Grange and Baughman, 1956,AISI-SAE 3140,?,14400,648.9,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,20.7
Grange and Baughman, 1956,AISI-SAE 3140,?,28800,204.4,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,50.5
Grange and Baughman, 1956,AISI-SAE 3140,?,28800,315.6,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,46.2
Grange and Baughman, 1956,AISI-SAE 3140,?,28800,426.7,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,37.5
Grange and Baughman, 1956,AISI-SAE 3140,?,28800,537.8,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,27.4
Grange and Baughman, 1956,AISI-SAE 3140,?,28800,648.9,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,18.7
Grange and Baughman, 1956,AISI-SAE 3140,?,57600,204.4,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,50.4
Grange and Baughman, 1956,AISI-SAE 3140,?,57600,315.6,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,46.5
Grange and Baughman, 1956,AISI-SAE 3140,?,57600,426.7,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,37.2
Grange and Baughman, 1956,AISI-SAE 3140,?,57600,537.8,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,26.4
Grange and Baughman, 1956,AISI-SAE 3140,?,57600,648.9,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,16.1
Grange and Baughman, 1956,AISI-SAE 3140,?,115200,204.4,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,50.7
Grange and Baughman, 1956,AISI-SAE 3140,?,115200,315.6,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,46.3
Grange and Baughman, 1956,AISI-SAE 3140,?,115200,426.7,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,36.3
Grange and Baughman, 1956,AISI-SAE 3140,?,115200,537.8,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,25.2
Grange and Baughman, 1956,AISI-SAE 3140,?,115200,648.9,0.38,0.72,0.019,0.033,0.21,1.32,0.49,0,0,0,0,14.6
Grange and Baughman, 1956,AISI-SAE 4027,?,600,204.4,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,50.3
Grange and Baughman, 1956,AISI-SAE 4027,?,600,260,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,46.4
Grange and Baughman, 1956,AISI-SAE 4027,?,600,315.6,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,43.0
Grange and Baughman, 1956,AISI-SAE 4027,?,600,371.1,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,40.7
Grange and Baughman, 1956,AISI-SAE 4027,?,600,426.7,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,38.0
Grange and Baughman, 1956,AISI-SAE 4027,?,600,482.2,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,34.8
Grange and Baughman, 1956,AISI-SAE 4027,?,600,537.8,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,31.5
Grange and Baughman, 1956,AISI-SAE 4027,?,600,593.3,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,28.6
Grange and Baughman, 1956,AISI-SAE 4027,?,600,648.9,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,25.0
Grange and Baughman, 1956,AISI-SAE 4027,?,600,704.4,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,20.5
Grange and Baughman, 1956,AISI-SAE 4027,?,3600,204.4,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,49.0
Grange and Baughman, 1956,AISI-SAE 4027,?,3600,260,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,45.5
Grange and Baughman, 1956,AISI-SAE 4027,?,3600,315.6,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,42.5
Grange and Baughman, 1956,AISI-SAE 4027,?,3600,371.1,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,39.7
Grange and Baughman, 1956,AISI-SAE 4027,?,3600,426.7,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,35.9
Grange and Baughman, 1956,AISI-SAE 4027,?,3600,482.2,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,32.5
Grange and Baughman, 1956,AISI-SAE 4027,?,3600,537.8,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,29.7
Grange and Baughman, 1956,AISI-SAE 4027,?,3600,593.3,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,27.0
Grange and Baughman, 1956,AISI-SAE 4027,?,3600,648.9,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,22.0
Grange and Baughman, 1956,AISI-SAE 4027,?,3600,704.4,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,15.5
Grange and Baughman, 1956,AISI-SAE 4027,?,14400,204.4,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,47.4
Grange and Baughman, 1956,AISI-SAE 4027,?,14400,260,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,45.0
Grange and Baughman, 1956,AISI-SAE 4027,?,14400,315.6,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,41.5
Grange and Baughman, 1956,AISI-SAE 4027,?,14400,371.1,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,38.7
Grange and Baughman, 1956,AISI-SAE 4027,?,14400,426.7,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,35.0
Grange and Baughman, 1956,AISI-SAE 4027,?,14400,482.2,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,32.0
Grange and Baughman, 1956,AISI-SAE 4027,?,14400,537.8,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,29.1
Grange and Baughman, 1956,AISI-SAE 4027,?,14400,593.3,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,25.0
Grange and Baughman, 1956,AISI-SAE 4027,?,14400,648.9,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,19.0
Grange and Baughman, 1956,AISI-SAE 4027,?,14400,704.4,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,12.0

Grange and Baughman, 1956,AISI-SAE 4027,?,86400,204.4,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,46.0
Grange and Baughman, 1956,AISI-SAE 4027,?,86400,260,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,44.2
Grange and Baughman, 1956,AISI-SAE 4027,?,86400,315.6,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,40.7
Grange and Baughman, 1956,AISI-SAE 4027,?,86400,371.1,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,37.5
Grange and Baughman, 1956,AISI-SAE 4027,?,86400,426.7,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,34.1
Grange and Baughman, 1956,AISI-SAE 4027,?,86400,482.2,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,31.0
Grange and Baughman, 1956,AISI-SAE 4027,?,86400,537.8,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,28.1
Grange and Baughman, 1956,AISI-SAE 4027,?,86400,593.3,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,23.0
Grange and Baughman, 1956,AISI-SAE 4027,?,86400,648.9,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,15.5
Grange and Baughman, 1956,AISI-SAE 4027,?,86400,704.4,0.26,0.87,0.015,0.03,0.29,0.03,0.06,0.26,0,0,0,6.0
Grange and Baughman, 1956,AISI-SAE 4037,?,600,204.4,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,52.6
Grange and Baughman, 1956,AISI-SAE 4037,?,600,260,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,51.0
Grange and Baughman, 1956,AISI-SAE 4037,?,600,315.6,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,47.6
Grange and Baughman, 1956,AISI-SAE 4037,?,600,371.1,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,45.0
Grange and Baughman, 1956,AISI-SAE 4037,?,600,426.7,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,42.0
Grange and Baughman, 1956,AISI-SAE 4037,?,600,482.2,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,38.5
Grange and Baughman, 1956,AISI-SAE 4037,?,600,537.8,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,35.6
Grange and Baughman, 1956,AISI-SAE 4037,?,600,593.3,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,32.7
Grange and Baughman, 1956,AISI-SAE 4037,?,600,648.9,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,28.5
Grange and Baughman, 1956,AISI-SAE 4037,?,600,704.4,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,23.0
Grange and Baughman, 1956,AISI-SAE 4037,?,3600,204.4,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,51.6
Grange and Baughman, 1956,AISI-SAE 4037,?,3600,260,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,49.0
Grange and Baughman, 1956,AISI-SAE 4037,?,3600,315.6,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,47.0
Grange and Baughman, 1956,AISI-SAE 4037,?,3600,371.1,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,43.9
Grange and Baughman, 1956,AISI-SAE 4037,?,3600,426.7,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,40.5
Grange and Baughman, 1956,AISI-SAE 4037,?,3600,482.2,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,37.0
Grange and Baughman, 1956,AISI-SAE 4037,?,3600,537.8,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,34.0
Grange and Baughman, 1956,AISI-SAE 4037,?,3600,593.3,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,31.0
Grange and Baughman, 1956,AISI-SAE 4037,?,3600,648.9,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,25.0
Grange and Baughman, 1956,AISI-SAE 4037,?,3600,704.4,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,18.0
Grange and Baughman, 1956,AISI-SAE 4037,?,14400,204.4,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,51.5
Grange and Baughman, 1956,AISI-SAE 4037,?,14400,260,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,48.1
Grange and Baughman, 1956,AISI-SAE 4037,?,14400,315.6,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,45.7
Grange and Baughman, 1956,AISI-SAE 4037,?,14400,371.1,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,42.9
Grange and Baughman, 1956,AISI-SAE 4037,?,14400,426.7,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,39.5
Grange and Baughman, 1956,AISI-SAE 4037,?,14400,482.2,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,36.1
Grange and Baughman, 1956,AISI-SAE 4037,?,14400,537.8,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,32.5
Grange and Baughman, 1956,AISI-SAE 4037,?,14400,593.3,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,29.5
Grange and Baughman, 1956,AISI-SAE 4037,?,14400,648.9,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,22.2
Grange and Baughman, 1956,AISI-SAE 4037,?,14400,704.4,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,13.5
Grange and Baughman, 1956,AISI-SAE 4037,?,86400,204.4,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,50.7
Grange and Baughman, 1956,AISI-SAE 4037,?,86400,260,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,47.7
Grange and Baughman, 1956,AISI-SAE 4037,?,86400,315.6,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,45.2
Grange and Baughman, 1956,AISI-SAE 4037,?,86400,371.1,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,41.5
Grange and Baughman, 1956,AISI-SAE 4037,?,86400,426.7,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,38.5
Grange and Baughman, 1956,AISI-SAE 4037,?,86400,482.2,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,35.0
Grange and Baughman, 1956,AISI-SAE 4037,?,86400,537.8,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,31.5
Grange and Baughman, 1956,AISI-SAE 4037,?,86400,593.3,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,26.0
Grange and Baughman, 1956,AISI-SAE 4037,?,86400,648.9,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,17.2

Grange and Baughman, 1956,AISI-SAE 4037,?,86400,704.4,0.35,0.8,0.022,0.028,0.24,0.06,0.06,0.25,0,0,0,9.5
Grange and Baughman, 1956,AISI-SAE 4047,?,600,204.4,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,57.5
Grange and Baughman, 1956,AISI-SAE 4047,?,600,260,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,53.9
Grange and Baughman, 1956,AISI-SAE 4047,?,600,315.6,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,50.7
Grange and Baughman, 1956,AISI-SAE 4047,?,600,371.1,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,48.0
Grange and Baughman, 1956,AISI-SAE 4047,?,600,426.7,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,45.0
Grange and Baughman, 1956,AISI-SAE 4047,?,600,482.2,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,41.6
Grange and Baughman, 1956,AISI-SAE 4047,?,600,537.8,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,39.0
Grange and Baughman, 1956,AISI-SAE 4047,?,600,593.3,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,34.6
Grange and Baughman, 1956,AISI-SAE 4047,?,600,648.9,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,29.5
Grange and Baughman, 1956,AISI-SAE 4047,?,600,704.4,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,25.0
Grange and Baughman, 1956,AISI-SAE 4047,?,3600,204.4,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,55.5
Grange and Baughman, 1956,AISI-SAE 4047,?,3600,260,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,51.5
Grange and Baughman, 1956,AISI-SAE 4047,?,3600,315.6,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,49.5
Grange and Baughman, 1956,AISI-SAE 4047,?,3600,371.1,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,46.5
Grange and Baughman, 1956,AISI-SAE 4047,?,3600,426.7,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,43.2
Grange and Baughman, 1956,AISI-SAE 4047,?,3600,482.2,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,40.0
Grange and Baughman, 1956,AISI-SAE 4047,?,3600,537.8,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,36.5
Grange and Baughman, 1956,AISI-SAE 4047,?,3600,593.3,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,33.0
Grange and Baughman, 1956,AISI-SAE 4047,?,3600,648.9,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,26.2
Grange and Baughman, 1956,AISI-SAE 4047,?,3600,704.4,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,19.5
Grange and Baughman, 1956,AISI-SAE 4047,?,14400,204.4,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,55.0
Grange and Baughman, 1956,AISI-SAE 4047,?,14400,260,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,50.9
Grange and Baughman, 1956,AISI-SAE 4047,?,14400,315.6,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,48.0
Grange and Baughman, 1956,AISI-SAE 4047,?,14400,371.1,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,46.0
Grange and Baughman, 1956,AISI-SAE 4047,?,14400,426.7,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,42.5
Grange and Baughman, 1956,AISI-SAE 4047,?,14400,482.2,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,39.0
Grange and Baughman, 1956,AISI-SAE 4047,?,14400,537.8,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,35.5
Grange and Baughman, 1956,AISI-SAE 4047,?,14400,593.3,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,31.0
Grange and Baughman, 1956,AISI-SAE 4047,?,14400,648.9,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,22.5
Grange and Baughman, 1956,AISI-SAE 4047,?,14400,704.4,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,14.0
Grange and Baughman, 1956,AISI-SAE 4047,?,86400,204.4,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,53.5
Grange and Baughman, 1956,AISI-SAE 4047,?,86400,260,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,50.2
Grange and Baughman, 1956,AISI-SAE 4047,?,86400,315.6,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,47.5
Grange and Baughman, 1956,AISI-SAE 4047,?,86400,371.1,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,44.5
Grange and Baughman, 1956,AISI-SAE 4047,?,86400,426.7,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,41.5
Grange and Baughman, 1956,AISI-SAE 4047,?,86400,482.2,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,38.0
Grange and Baughman, 1956,AISI-SAE 4047,?,86400,537.8,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,34.4
Grange and Baughman, 1956,AISI-SAE 4047,?,86400,593.3,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,27.5
Grange and Baughman, 1956,AISI-SAE 4047,?,86400,648.9,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,16.5
Grange and Baughman, 1956,AISI-SAE 4047,?,86400,704.4,0.48,0.94,0.015,0.03,0.16,0.04,0.03,0.25,0,0,0,7.0
Grange and Baughman, 1956,AISI-SAE 4068,?,600,204.4,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,61.5
Grange and Baughman, 1956,AISI-SAE 4068,?,600,260,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,58.5
Grange and Baughman, 1956,AISI-SAE 4068,?,600,315.6,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,55.0
Grange and Baughman, 1956,AISI-SAE 4068,?,600,371.1,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,52.0
Grange and Baughman, 1956,AISI-SAE 4068,?,600,426.7,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,49.0
Grange and Baughman, 1956,AISI-SAE 4068,?,600,482.2,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,44.9
Grange and Baughman, 1956,AISI-SAE 4068,?,600,537.8,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,41.6
Grange and Baughman, 1956,AISI-SAE 4068,?,600,593.3,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,37.5

Grange and Baughman, 1956,AISI-SAE 4068,?,600,648.9,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,33.5
Grange and Baughman, 1956,AISI-SAE 4068,?,600,704.4,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,28.0
Grange and Baughman, 1956,AISI-SAE 4068,?,3600,204.4,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,59.5
Grange and Baughman, 1956,AISI-SAE 4068,?,3600,260,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,57.0
Grange and Baughman, 1956,AISI-SAE 4068,?,3600,315.6,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,53.5
Grange and Baughman, 1956,AISI-SAE 4068,?,3600,371.1,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,50.5
Grange and Baughman, 1956,AISI-SAE 4068,?,3600,426.7,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,47.0
Grange and Baughman, 1956,AISI-SAE 4068,?,3600,482.2,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,43.5
Grange and Baughman, 1956,AISI-SAE 4068,?,3600,537.8,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,39.5
Grange and Baughman, 1956,AISI-SAE 4068,?,3600,593.3,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,35.2
Grange and Baughman, 1956,AISI-SAE 4068,?,3600,648.9,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,29.5
Grange and Baughman, 1956,AISI-SAE 4068,?,3600,704.4,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,21.2
Grange and Baughman, 1956,AISI-SAE 4068,?,14400,204.4,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,58.7
Grange and Baughman, 1956,AISI-SAE 4068,?,14400,260,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,56.0
Grange and Baughman, 1956,AISI-SAE 4068,?,14400,315.6,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,52.7
Grange and Baughman, 1956,AISI-SAE 4068,?,14400,371.1,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,49.5
Grange and Baughman, 1956,AISI-SAE 4068,?,14400,426.7,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,45.7
Grange and Baughman, 1956,AISI-SAE 4068,?,14400,482.2,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,42.0
Grange and Baughman, 1956,AISI-SAE 4068,?,14400,537.8,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,37.5
Grange and Baughman, 1956,AISI-SAE 4068,?,14400,593.3,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,32.5
Grange and Baughman, 1956,AISI-SAE 4068,?,14400,648.9,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,25.0
Grange and Baughman, 1956,AISI-SAE 4068,?,14400,704.4,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,17.0
Grange and Baughman, 1956,AISI-SAE 4068,?,86400,204.4,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,58.5
Grange and Baughman, 1956,AISI-SAE 4068,?,86400,260,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,55.5
Grange and Baughman, 1956,AISI-SAE 4068,?,86400,315.6,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,52.0
Grange and Baughman, 1956,AISI-SAE 4068,?,86400,371.1,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,47.5
Grange and Baughman, 1956,AISI-SAE 4068,?,86400,426.7,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,44.5
Grange and Baughman, 1956,AISI-SAE 4068,?,86400,482.2,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,40.5
Grange and Baughman, 1956,AISI-SAE 4068,?,86400,537.8,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,36.5
Grange and Baughman, 1956,AISI-SAE 4068,?,86400,593.3,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,27.7
Grange and Baughman, 1956,AISI-SAE 4068,?,86400,648.9,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,19.0
Grange and Baughman, 1956,AISI-SAE 4068,?,86400,704.4,0.68,0.87,0.024,0.029,0.26,0.01,0.03,0.24,0,0,0,12.0
Penha, 2010,AISI-SAE 4140,58.8,10,100,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,59.5
Penha, 2010,AISI-SAE 4140,58.8,10,150,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,60.3
Penha, 2010,AISI-SAE 4140,58.8,10,200,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,58.5
Penha, 2010,AISI-SAE 4140,58.8,10,250,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,56.7
Penha, 2010,AISI-SAE 4140,58.8,10,300,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,56.2
Penha, 2010,AISI-SAE 4140,58.8,10,400,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,55.5
Penha, 2010,AISI-SAE 4140,58.8,10,500,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,49.6
Penha, 2010,AISI-SAE 4140,58.8,10,600,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,45.9
Penha, 2010,AISI-SAE 4140,58.8,10,700,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,43.2
Grange and Baughman, 1956,AISI-SAE 4140,?,40,426.7,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,47.7
Grange and Baughman, 1956,AISI-SAE 4140,?,40,537.8,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,42.7
Grange and Baughman, 1956,AISI-SAE 4140,?,40,593.3,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,39.4
Grange and Baughman, 1956,AISI-SAE 4140,?,40,648.9,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,35.0
Penha, 2010,AISI-SAE 4140,58.8,90,100,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,58.8
Penha, 2010,AISI-SAE 4140,58.8,90,150,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,58.6
Penha, 2010,AISI-SAE 4140,58.8,90,200,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,58.2
Penha, 2010,AISI-SAE 4140,58.8,90,250,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,57.2

Penha, 2010,AISI-SAE 4140,58.8,90,400,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,54.6
Grange and Baughman, 1956,AISI-SAE 4140,?,120,426.7,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,46.9
Grange and Baughman, 1956,AISI-SAE 4140,?,120,537.8,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,41.4
Grange and Baughman, 1956,AISI-SAE 4140,?,120,593.3,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,38.0
Grange and Baughman, 1956,AISI-SAE 4140,?,120,648.9,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,34.1
Grange and Baughman, 1956,AISI-SAE 4140,?,300,426.7,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,46.3
Grange and Baughman, 1956,AISI-SAE 4140,?,300,537.8,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,40.3
Grange and Baughman, 1956,AISI-SAE 4140,?,300,593.3,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,36.3
Grange and Baughman, 1956,AISI-SAE 4140,?,300,648.9,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,33.8
Penha, 2010,AISI-SAE 4140,58.8,900,100,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,59.2
Penha, 2010,AISI-SAE 4140,58.8,900,150,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,56.3
Penha, 2010,AISI-SAE 4140,58.8,900,200,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,58.0
Penha, 2010,AISI-SAE 4140,58.8,900,250,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,54.0
Penha, 2010,AISI-SAE 4140,58.8,900,300,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,50.5
Penha, 2010,AISI-SAE 4140,58.8,900,400,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,50.3
Grange and Baughman, 1956,AISI-SAE 4140,?,900,426.7,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,45.3
Grange and Baughman, 1956,AISI-SAE 4140,?,900,537.8,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,39.3
Grange and Baughman, 1956,AISI-SAE 4140,?,900,593.3,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,34.6
Grange and Baughman, 1956,AISI-SAE 4140,?,900,648.9,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,31.6
Grange and Baughman, 1956,AISI-SAE 4140,?,3600,204.4,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,54.4
Penha, 2010,AISI-SAE 4140,58.8,3600,250,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,50.9
Grange and Baughman, 1956,AISI-SAE 4140,?,3600,260,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,51.1
Penha, 2010,AISI-SAE 4140,58.8,3600,300,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,49.2
Grange and Baughman, 1956,AISI-SAE 4140,?,3600,315.6,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,48.7
Grange and Baughman, 1956,AISI-SAE 4140,?,3600,371.1,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,48.0
Penha, 2010,AISI-SAE 4140,58.8,3600,400,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,43.6
Grange and Baughman, 1956,AISI-SAE 4140,?,3600,426.7,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,45.0
Grange and Baughman, 1956,AISI-SAE 4140,?,3600,482.2,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,41.1
Penha, 2010,AISI-SAE 4140,58.8,3600,500,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,38.3
Grange and Baughman, 1956,AISI-SAE 4140,?,3600,537.8,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,38.2
Grange and Baughman, 1956,AISI-SAE 4140,?,3600,593.3,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,35.4
Penha, 2010,AISI-SAE 4140,58.8,3600,600,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,33.3
Grange and Baughman, 1956,AISI-SAE 4140,?,3600,648.9,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,31.2
Penha, 2010,AISI-SAE 4140,58.8,3600,700,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,20.9
Grange and Baughman, 1956,AISI-SAE 4140,?,7200,204.4,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,54.2
Grange and Baughman, 1956,AISI-SAE 4140,?,7200,315.6,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,48.3
Grange and Baughman, 1956,AISI-SAE 4140,?,7200,426.7,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,44.0
Grange and Baughman, 1956,AISI-SAE 4140,?,7200,537.8,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,36.3
Grange and Baughman, 1956,AISI-SAE 4140,?,7200,648.9,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,27.8
Penha, 2010,AISI-SAE 4140,58.8,9000,100,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,58.5
Penha, 2010,AISI-SAE 4140,58.8,9000,150,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,52.7
Penha, 2010,AISI-SAE 4140,58.8,9000,200,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,52.2
Penha, 2010,AISI-SAE 4140,58.8,9000,250,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,50.0
Penha, 2010,AISI-SAE 4140,58.8,9000,300,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,48.1
Penha, 2010,AISI-SAE 4140,58.8,9000,400,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,43.1
Penha, 2010,AISI-SAE 4140,58.8,9000,500,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,37.1
Penha, 2010,AISI-SAE 4140,58.8,9000,600,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,29.9
Penha, 2010,AISI-SAE 4140,58.8,9000,700,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,19.4
Grange and Baughman, 1956,AISI-SAE 4140,?,14400,204.4,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,53.4

Grange and Baughman, 1956,AISI-SAE 4140,?,14400,315.6,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,48.9
Grange and Baughman, 1956,AISI-SAE 4140,?,14400,426.7,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,43.8
Grange and Baughman, 1956,AISI-SAE 4140,?,14400,537.8,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,36.0
Grange and Baughman, 1956,AISI-SAE 4140,?,14400,648.9,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,26.2
Grange and Baughman, 1956,AISI-SAE 4140,?,28800,204.4,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,52.9
Grange and Baughman, 1956,AISI-SAE 4140,?,28800,315.6,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,49.2
Grange and Baughman, 1956,AISI-SAE 4140,?,28800,426.7,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,43.5
Grange and Baughman, 1956,AISI-SAE 4140,?,28800,537.8,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,35.2
Grange and Baughman, 1956,AISI-SAE 4140,?,28800,648.9,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,24.7
Grange and Baughman, 1956,AISI-SAE 4140,?,57600,204.4,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,53.0
Grange and Baughman, 1956,AISI-SAE 4140,?,57600,315.6,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,49.5
Grange and Baughman, 1956,AISI-SAE 4140,?,57600,426.7,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,42.7
Grange and Baughman, 1956,AISI-SAE 4140,?,57600,537.8,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,34.7
Grange and Baughman, 1956,AISI-SAE 4140,?,57600,648.9,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,23.3
Penha, 2010,AISI-SAE 4140,58.8,86400,100,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,58.5
Penha, 2010,AISI-SAE 4140,58.8,86400,150,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,51.4
Penha, 2010,AISI-SAE 4140,58.8,86400,200,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,50.4
Penha, 2010,AISI-SAE 4140,58.8,86400,250,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,49.7
Penha, 2010,AISI-SAE 4140,58.8,86400,300,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,44.6
Penha, 2010,AISI-SAE 4140,58.8,86400,400,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,40.9
Penha, 2010,AISI-SAE 4140,58.8,86400,600,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,28.1
Penha, 2010,AISI-SAE 4140,58.8,86400,700,0.41,0.88,0.016,0.018,0.23,0,1.02,0.22,0,0,0,15.9
Grange and Baughman, 1956,AISI-SAE 4140,?,115200,204.4,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,52.6
Grange and Baughman, 1956,AISI-SAE 4140,?,115200,315.6,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,49.1
Grange and Baughman, 1956,AISI-SAE 4140,?,115200,426.7,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,42.7
Grange and Baughman, 1956,AISI-SAE 4140,?,115200,537.8,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,34.1
Grange and Baughman, 1956,AISI-SAE 4140,?,115200,648.9,0.37,0.77,0.019,0.026,0.15,0.04,0.98,0.21,0,0,0,21.2
Penha, 2010,AISI-SAE 4340,55.8,10,100,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,56.9
Penha, 2010,AISI-SAE 4340,55.8,10,150,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,55.4
Penha, 2010,AISI-SAE 4340,55.8,10,200,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,55.8
Penha, 2010,AISI-SAE 4340,55.8,10,250,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,54.9
Penha, 2010,AISI-SAE 4340,55.8,10,300,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,53.9
Penha, 2010,AISI-SAE 4340,55.8,10,400,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,54.4
Penha, 2010,AISI-SAE 4340,55.8,10,500,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,45.2
Penha, 2010,AISI-SAE 4340,55.8,10,600,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,44.1
Penha, 2010,AISI-SAE 4340,55.8,10,700,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,35.1
Grange and Baughman, 1956,AISI-SAE 4340,?,40,426.7,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,49.0
Grange and Baughman, 1956,AISI-SAE 4340,?,40,537.8,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,44.0
Grange and Baughman, 1956,AISI-SAE 4340,?,40,593.3,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,40.9
Grange and Baughman, 1956,AISI-SAE 4340,?,40,648.9,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,38.6
Penha, 2010,AISI-SAE 4340,55.8,90,100,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,55.9
Penha, 2010,AISI-SAE 4340,55.8,90,150,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,55.2
Penha, 2010,AISI-SAE 4340,55.8,90,200,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,55.4
Penha, 2010,AISI-SAE 4340,55.8,90,250,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,54.5
Penha, 2010,AISI-SAE 4340,55.8,90,300,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,50.0
Penha, 2010,AISI-SAE 4340,55.8,90,400,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,48.0
Penha, 2010,AISI-SAE 4340,55.8,90,500,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,45.0
Penha, 2010,AISI-SAE 4340,55.8,90,600,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,37.7
Penha, 2010,AISI-SAE 4340,55.8,90,700,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,33.6

Grange and Baughman, 1956,AISI-SAE 4340,?,120,426.7,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,47.6
Grange and Baughman, 1956,AISI-SAE 4340,?,120,537.8,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,43.9
Grange and Baughman, 1956,AISI-SAE 4340,?,120,593.3,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,42.1
Grange and Baughman, 1956,AISI-SAE 4340,?,120,648.9,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,37.4
Grange and Baughman, 1956,AISI-SAE 4340,?,300,426.7,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,46.9
Grange and Baughman, 1956,AISI-SAE 4340,?,300,537.8,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,43.6
Grange and Baughman, 1956,AISI-SAE 4340,?,300,593.3,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,40.0
Grange and Baughman, 1956,AISI-SAE 4340,?,300,648.9,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,35.6
Penha, 2010,AISI-SAE 4340,55.8,900,100,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,55.4
Penha, 2010,AISI-SAE 4340,55.8,900,150,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,56.1
Penha, 2010,AISI-SAE 4340,55.8,900,200,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,55.2
Penha, 2010,AISI-SAE 4340,55.8,900,250,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,52.8
Penha, 2010,AISI-SAE 4340,55.8,900,300,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,49.8
Penha, 2010,AISI-SAE 4340,55.8,900,400,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,46.0
Grange and Baughman, 1956,AISI-SAE 4340,?,900,426.7,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,45.3
Penha, 2010,AISI-SAE 4340,55.8,900,500,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,38.1
Grange and Baughman, 1956,AISI-SAE 4340,?,900,537.8,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,41.3
Grange and Baughman, 1956,AISI-SAE 4340,?,900,593.3,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,39.7
Penha, 2010,AISI-SAE 4340,55.8,900,600,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,33.6
Grange and Baughman, 1956,AISI-SAE 4340,?,900,648.9,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,34.5
Penha, 2010,AISI-SAE 4340,55.8,900,700,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,33.2
Grange and Baughman, 1956,AISI-SAE 4340,?,3600,204.4,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,54.9
Penha, 2010,AISI-SAE 4340,55.8,3600,250,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,50.5
Grange and Baughman, 1956,AISI-SAE 4340,?,3600,260,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,52.0
Penha, 2010,AISI-SAE 4340,55.8,3600,300,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,48.1
Grange and Baughman, 1956,AISI-SAE 4340,?,3600,315.6,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,49.4
Grange and Baughman, 1956,AISI-SAE 4340,?,3600,371.1,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,48.7
Penha, 2010,AISI-SAE 4340,55.8,3600,400,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,43.8
Grange and Baughman, 1956,AISI-SAE 4340,?,3600,426.7,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,45.7
Grange and Baughman, 1956,AISI-SAE 4340,?,3600,482.2,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,42.9
Penha, 2010,AISI-SAE 4340,55.8,3600,500,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,37.5
Grange and Baughman, 1956,AISI-SAE 4340,?,3600,537.8,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,39.8
Grange and Baughman, 1956,AISI-SAE 4340,?,3600,593.3,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,37.4
Penha, 2010,AISI-SAE 4340,55.8,3600,600,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,31.9
Grange and Baughman, 1956,AISI-SAE 4340,?,3600,648.9,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,32.6
Penha, 2010,AISI-SAE 4340,55.8,3600,700,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,20.3
Grange and Baughman, 1956,AISI-SAE 4340,?,7200,204.4,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,54.5
Grange and Baughman, 1956,AISI-SAE 4340,?,7200,315.6,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,49.7
Grange and Baughman, 1956,AISI-SAE 4340,?,7200,426.7,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,45.0
Grange and Baughman, 1956,AISI-SAE 4340,?,7200,537.8,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,39.2
Grange and Baughman, 1956,AISI-SAE 4340,?,7200,648.9,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,25.3
Penha, 2010,AISI-SAE 4340,55.8,9000,100,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,55.3
Penha, 2010,AISI-SAE 4340,55.8,9000,150,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,52.1
Penha, 2010,AISI-SAE 4340,55.8,9000,200,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,50.5
Penha, 2010,AISI-SAE 4340,55.8,9000,250,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,47.5
Penha, 2010,AISI-SAE 4340,55.8,9000,300,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,45.6
Penha, 2010,AISI-SAE 4340,55.8,9000,400,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,41.2
Penha, 2010,AISI-SAE 4340,55.8,9000,500,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,35.8
Penha, 2010,AISI-SAE 4340,55.8,9000,600,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,23.2

Penha, 2010,AISI-SAE 4340,55.8,9000,700,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,15.9
Grange and Baughman, 1956,AISI-SAE 4340,?,14400,204.4,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,53.9
Grange and Baughman, 1956,AISI-SAE 4340,?,14400,315.6,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,49.3
Grange and Baughman, 1956,AISI-SAE 4340,?,14400,426.7,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,44.6
Grange and Baughman, 1956,AISI-SAE 4340,?,14400,537.8,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,38.5
Grange and Baughman, 1956,AISI-SAE 4340,?,14400,648.9,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,23.6
Grange and Baughman, 1956,AISI-SAE 4340,?,28800,204.4,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,53.7
Grange and Baughman, 1956,AISI-SAE 4340,?,28800,315.6,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,49.6
Grange and Baughman, 1956,AISI-SAE 4340,?,28800,426.7,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,44.3
Grange and Baughman, 1956,AISI-SAE 4340,?,28800,537.8,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,38.5
Grange and Baughman, 1956,AISI-SAE 4340,?,28800,648.9,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,21.9
Grange and Baughman, 1956,AISI-SAE 4340,?,57600,204.4,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,53.3
Grange and Baughman, 1956,AISI-SAE 4340,?,57600,315.6,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,49.5
Grange and Baughman, 1956,AISI-SAE 4340,?,57600,426.7,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,44.1
Grange and Baughman, 1956,AISI-SAE 4340,?,57600,537.8,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,37.9
Grange and Baughman, 1956,AISI-SAE 4340,?,57600,648.9,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,19.4
Penha, 2010,AISI-SAE 4340,55.8,86400,100,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,54.9
Penha, 2010,AISI-SAE 4340,55.8,86400,150,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,51.0
Penha, 2010,AISI-SAE 4340,55.8,86400,200,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,46.5
Penha, 2010,AISI-SAE 4340,55.8,86400,250,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,45.0
Penha, 2010,AISI-SAE 4340,55.8,86400,300,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,44.2
Penha, 2010,AISI-SAE 4340,55.8,86400,400,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,37.1
Penha, 2010,AISI-SAE 4340,55.8,86400,500,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,34.8
Penha, 2010,AISI-SAE 4340,55.8,86400,600,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,21.3
Penha, 2010,AISI-SAE 4340,55.8,86400,700,0.39,0.75,0.019,0.016,0.26,1.74,0.79,0.26,0,0,0,13.5
Grange and Baughman, 1956,AISI-SAE 4340,?,115200,204.4,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,53.2
Grange and Baughman, 1956,AISI-SAE 4340,?,115200,315.6,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,49.3
Grange and Baughman, 1956,AISI-SAE 4340,?,115200,426.7,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,44.4
Grange and Baughman, 1956,AISI-SAE 4340,?,115200,537.8,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,36.7
Grange and Baughman, 1956,AISI-SAE 4340,?,115200,648.9,0.42,0.78,0.018,0.027,0.24,1.79,0.8,0.33,0,0,0,17.7
Grange and Baughman, 1956,AISI-SAE 4640,?,40,426.7,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,45.2
Grange and Baughman, 1956,AISI-SAE 4640,?,40,537.8,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,39.2
Grange and Baughman, 1956,AISI-SAE 4640,?,40,593.3,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,36.7
Grange and Baughman, 1956,AISI-SAE 4640,?,40,648.9,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,33.5
Grange and Baughman, 1956,AISI-SAE 4640,?,120,426.7,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,43.3
Grange and Baughman, 1956,AISI-SAE 4640,?,120,537.8,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,39.0
Grange and Baughman, 1956,AISI-SAE 4640,?,120,593.3,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,35.8
Grange and Baughman, 1956,AISI-SAE 4640,?,120,648.9,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,32.9
Grange and Baughman, 1956,AISI-SAE 4640,?,300,426.7,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,42.5
Grange and Baughman, 1956,AISI-SAE 4640,?,300,537.8,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,38.5
Grange and Baughman, 1956,AISI-SAE 4640,?,300,593.3,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,34.2
Grange and Baughman, 1956,AISI-SAE 4640,?,300,648.9,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,30.7
Grange and Baughman, 1956,AISI-SAE 4640,?,900,426.7,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,42.3
Grange and Baughman, 1956,AISI-SAE 4640,?,900,537.8,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,37.1
Grange and Baughman, 1956,AISI-SAE 4640,?,900,593.3,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,33.9
Grange and Baughman, 1956,AISI-SAE 4640,?,900,648.9,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,28.8
Grange and Baughman, 1956,AISI-SAE 4640,?,3600,204.4,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,52.1
Grange and Baughman, 1956,AISI-SAE 4640,?,3600,260,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,49.9
Grange and Baughman, 1956,AISI-SAE 4640,?,3600,315.6,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,47.2

Grange and Baughman, 1956,AISI-SAE 4640,?,3600,371.1,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,44.3
Grange and Baughman, 1956,AISI-SAE 4640,?,3600,426.7,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,40.7
Grange and Baughman, 1956,AISI-SAE 4640,?,3600,482.2,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,37.4
Grange and Baughman, 1956,AISI-SAE 4640,?,3600,537.8,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,33.6
Grange and Baughman, 1956,AISI-SAE 4640,?,3600,593.3,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,31.2
Grange and Baughman, 1956,AISI-SAE 4640,?,3600,648.9,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,24.9
Grange and Baughman, 1956,AISI-SAE 4640,?,7200,204.4,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,51.8
Grange and Baughman, 1956,AISI-SAE 4640,?,7200,315.6,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,46.5
Grange and Baughman, 1956,AISI-SAE 4640,?,7200,426.7,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,39.7
Grange and Baughman, 1956,AISI-SAE 4640,?,7200,537.8,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,33.0
Grange and Baughman, 1956,AISI-SAE 4640,?,7200,648.9,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,21.6
Grange and Baughman, 1956,AISI-SAE 4640,?,14400,204.4,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,51.4
Grange and Baughman, 1956,AISI-SAE 4640,?,14400,315.6,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,46.2
Grange and Baughman, 1956,AISI-SAE 4640,?,14400,426.7,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,39.5
Grange and Baughman, 1956,AISI-SAE 4640,?,14400,537.8,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,32.7
Grange and Baughman, 1956,AISI-SAE 4640,?,14400,648.9,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,20.9
Grange and Baughman, 1956,AISI-SAE 4640,?,28800,204.4,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,51.4
Grange and Baughman, 1956,AISI-SAE 4640,?,28800,315.6,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,45.7
Grange and Baughman, 1956,AISI-SAE 4640,?,28800,426.7,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,38.9
Grange and Baughman, 1956,AISI-SAE 4640,?,28800,537.8,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,32.2
Grange and Baughman, 1956,AISI-SAE 4640,?,28800,648.9,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,18.9
Grange and Baughman, 1956,AISI-SAE 4640,?,57600,204.4,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,51.1
Grange and Baughman, 1956,AISI-SAE 4640,?,57600,315.6,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,45.9
Grange and Baughman, 1956,AISI-SAE 4640,?,57600,426.7,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,38.7
Grange and Baughman, 1956,AISI-SAE 4640,?,57600,537.8,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,31.6
Grange and Baughman, 1956,AISI-SAE 4640,?,57600,648.9,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,17.1
Grange and Baughman, 1956,AISI-SAE 4640,?,115200,204.4,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,50.6
Grange and Baughman, 1956,AISI-SAE 4640,?,115200,315.6,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,45.4
Grange and Baughman, 1956,AISI-SAE 4640,?,115200,426.7,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,38.6
Grange and Baughman, 1956,AISI-SAE 4640,?,115200,537.8,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,30.9
Grange and Baughman, 1956,AISI-SAE 4640,?,115200,648.9,0.36,0.63,0.018,0.021,0.19,1.84,0.06,0.23,0,0,0,15.9
Grange and Baughman, 1956,AISI-SAE 5140,?,40,426.7,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,48.2
Grange and Baughman, 1956,AISI-SAE 5140,?,40,537.8,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,42.3
Grange and Baughman, 1956,AISI-SAE 5140,?,40,593.3,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,39.7
Grange and Baughman, 1956,AISI-SAE 5140,?,40,648.9,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,35.4
Grange and Baughman, 1956,AISI-SAE 5140,?,120,426.7,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,47.4
Grange and Baughman, 1956,AISI-SAE 5140,?,120,537.8,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,40.4
Grange and Baughman, 1956,AISI-SAE 5140,?,120,593.3,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,38.6
Grange and Baughman, 1956,AISI-SAE 5140,?,120,648.9,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,34.8
Grange and Baughman, 1956,AISI-SAE 5140,?,300,426.7,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,46.5
Grange and Baughman, 1956,AISI-SAE 5140,?,300,537.8,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,39.3
Grange and Baughman, 1956,AISI-SAE 5140,?,300,593.3,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,36.4
Grange and Baughman, 1956,AISI-SAE 5140,?,300,648.9,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,31.9
Grange and Baughman, 1956,AISI-SAE 5140,?,900,426.7,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,45.4
Grange and Baughman, 1956,AISI-SAE 5140,?,900,537.8,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,38.2
Grange and Baughman, 1956,AISI-SAE 5140,?,900,593.3,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,34.2
Grange and Baughman, 1956,AISI-SAE 5140,?,900,648.9,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,30.9
Grange and Baughman, 1956,AISI-SAE 5140,?,3600,204.4,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,55.1
Grange and Baughman, 1956,AISI-SAE 5140,?,3600,260,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,51.8

Grange and Baughman, 1956,AISI-SAE 5140,?,3600,315.6,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,49.6
Grange and Baughman, 1956,AISI-SAE 5140,?,3600,371.1,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,48.3
Grange and Baughman, 1956,AISI-SAE 5140,?,3600,426.7,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,44.1
Grange and Baughman, 1956,AISI-SAE 5140,?,3600,482.2,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,39.5
Grange and Baughman, 1956,AISI-SAE 5140,?,3600,537.8,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,35.1
Grange and Baughman, 1956,AISI-SAE 5140,?,3600,593.3,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,31.4
Grange and Baughman, 1956,AISI-SAE 5140,?,3600,648.9,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,27.7
Grange and Baughman, 1956,AISI-SAE 5140,?,7200,204.4,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,54.4
Grange and Baughman, 1956,AISI-SAE 5140,?,7200,315.6,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,49.6
Grange and Baughman, 1956,AISI-SAE 5140,?,7200,426.7,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,43.0
Grange and Baughman, 1956,AISI-SAE 5140,?,7200,537.8,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,33.2
Grange and Baughman, 1956,AISI-SAE 5140,?,7200,648.9,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,29.2
Grange and Baughman, 1956,AISI-SAE 5140,?,14400,204.4,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,53.8
Grange and Baughman, 1956,AISI-SAE 5140,?,14400,315.6,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,49.3
Grange and Baughman, 1956,AISI-SAE 5140,?,14400,426.7,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,42.4
Grange and Baughman, 1956,AISI-SAE 5140,?,14400,537.8,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,32.1
Grange and Baughman, 1956,AISI-SAE 5140,?,14400,648.9,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,28.4
Grange and Baughman, 1956,AISI-SAE 5140,?,28800,204.4,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,53.5
Grange and Baughman, 1956,AISI-SAE 5140,?,28800,315.6,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,49.2
Grange and Baughman, 1956,AISI-SAE 5140,?,28800,426.7,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,41.5
Grange and Baughman, 1956,AISI-SAE 5140,?,28800,537.8,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,31.6
Grange and Baughman, 1956,AISI-SAE 5140,?,28800,648.9,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,26.4
Grange and Baughman, 1956,AISI-SAE 5140,?,57600,204.4,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,53.4
Grange and Baughman, 1956,AISI-SAE 5140,?,57600,315.6,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,49.1
Grange and Baughman, 1956,AISI-SAE 5140,?,57600,426.7,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,41.1
Grange and Baughman, 1956,AISI-SAE 5140,?,57600,537.8,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,30.2
Grange and Baughman, 1956,AISI-SAE 5140,?,57600,648.9,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,24.2
Grange and Baughman, 1956,AISI-SAE 5140,?,115200,204.4,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,52.8
Grange and Baughman, 1956,AISI-SAE 5140,?,115200,315.6,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,49.0
Grange and Baughman, 1956,AISI-SAE 5140,?,115200,426.7,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,40.8
Grange and Baughman, 1956,AISI-SAE 5140,?,115200,537.8,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,29.2
Grange and Baughman, 1956,AISI-SAE 5140,?,115200,648.9,0.42,0.68,0.026,0.032,0.16,0.07,0.93,0,0,0,0,22.9
Penha, 2010,AISI-SAE 5160,61.6,10,100,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,60.4
Penha, 2010,AISI-SAE 5160,61.6,10,150,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,60.5
Penha, 2010,AISI-SAE 5160,61.6,10,200,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,60.2
Penha, 2010,AISI-SAE 5160,61.6,10,250,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,60.3
Penha, 2010,AISI-SAE 5160,61.6,10,300,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,58.8
Penha, 2010,AISI-SAE 5160,61.6,10,400,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,57.9
Penha, 2010,AISI-SAE 5160,61.6,10,500,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,54.3
Penha, 2010,AISI-SAE 5160,61.6,10,600,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,52.5
Penha, 2010,AISI-SAE 5160,61.6,10,700,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,41.5
Penha, 2010,AISI-SAE 5160,61.6,90,100,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,60.0
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Penha, 2010,AISI-SAE 5160,61.6,90,400,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,53.6
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Penha, 2010,AISI-SAE 5160,61.6,90,600,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,46.4

Penha, 2010,AISI-SAE 5160,61.6,90,700,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,33.6
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Penha, 2010,AISI-SAE 5160,61.6,3600,600,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,27.7
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Penha, 2010,AISI-SAE 5160,61.6,86400,500,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,25.0
Penha, 2010,AISI-SAE 5160,61.6,86400,600,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,20.9
Penha, 2010,AISI-SAE 5160,61.6,86400,700,0.62,0.88,0.012,0.018,0.22,0,0.79,0,0,0,0,8.6
Grange and Baughman, 1956,AISI-SAE 6145,?,40,426.7,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,49.1
Grange and Baughman, 1956,AISI-SAE 6145,?,40,537.8,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,41.7
Grange and Baughman, 1956,AISI-SAE 6145,?,40,593.3,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,40.1
Grange and Baughman, 1956,AISI-SAE 6145,?,40,648.9,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,39.0
Grange and Baughman, 1956,AISI-SAE 6145,?,120,426.7,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,48.2
Grange and Baughman, 1956,AISI-SAE 6145,?,120,537.8,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,40.8
Grange and Baughman, 1956,AISI-SAE 6145,?,120,593.3,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,38.9
Grange and Baughman, 1956,AISI-SAE 6145,?,120,648.9,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,38.2
Grange and Baughman, 1956,AISI-SAE 6145,?,300,426.7,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,47.6
Grange and Baughman, 1956,AISI-SAE 6145,?,300,537.8,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,40.2
Grange and Baughman, 1956,AISI-SAE 6145,?,300,593.3,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,38.2
Grange and Baughman, 1956,AISI-SAE 6145,?,300,648.9,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,37.0
Grange and Baughman, 1956,AISI-SAE 6145,?,900,426.7,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,46.1
Grange and Baughman, 1956,AISI-SAE 6145,?,900,537.8,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,39.1
Grange and Baughman, 1956,AISI-SAE 6145,?,900,593.3,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,36.2

Grange and Baughman, 1956,AISI-SAE 6145,?,900,648.9,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,35.8
Grange and Baughman, 1956,AISI-SAE 6145,?,3600,204.4,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,54.9
Grange and Baughman, 1956,AISI-SAE 6145,?,3600,260,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,51.9
Grange and Baughman, 1956,AISI-SAE 6145,?,3600,315.6,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,50.2
Grange and Baughman, 1956,AISI-SAE 6145,?,3600,371.1,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,48.5
Grange and Baughman, 1956,AISI-SAE 6145,?,3600,426.7,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,45.2
Grange and Baughman, 1956,AISI-SAE 6145,?,3600,482.2,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,41.1
Grange and Baughman, 1956,AISI-SAE 6145,?,3600,537.8,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,38.2
Grange and Baughman, 1956,AISI-SAE 6145,?,3600,593.3,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,36.2
Grange and Baughman, 1956,AISI-SAE 6145,?,3600,648.9,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,30.3
Grange and Baughman, 1956,AISI-SAE 6145,?,7200,204.4,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,54.3
Grange and Baughman, 1956,AISI-SAE 6145,?,7200,315.6,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,50.0
Grange and Baughman, 1956,AISI-SAE 6145,?,7200,426.7,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,44.0
Grange and Baughman, 1956,AISI-SAE 6145,?,7200,537.8,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,36.9
Grange and Baughman, 1956,AISI-SAE 6145,?,7200,648.9,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,27.0
Grange and Baughman, 1956,AISI-SAE 6145,?,14400,204.4,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,53.5
Grange and Baughman, 1956,AISI-SAE 6145,?,14400,315.6,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,49.8
Grange and Baughman, 1956,AISI-SAE 6145,?,14400,426.7,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,43.6
Grange and Baughman, 1956,AISI-SAE 6145,?,14400,537.8,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,35.9
Grange and Baughman, 1956,AISI-SAE 6145,?,14400,648.9,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,25.5
Grange and Baughman, 1956,AISI-SAE 6145,?,28800,204.4,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,53.4
Grange and Baughman, 1956,AISI-SAE 6145,?,28800,315.6,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,49.5
Grange and Baughman, 1956,AISI-SAE 6145,?,28800,426.7,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,42.8
Grange and Baughman, 1956,AISI-SAE 6145,?,28800,537.8,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,36.0
Grange and Baughman, 1956,AISI-SAE 6145,?,28800,648.9,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,23.8
Grange and Baughman, 1956,AISI-SAE 6145,?,57600,204.4,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,53.4
Grange and Baughman, 1956,AISI-SAE 6145,?,57600,315.6,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,49.7
Grange and Baughman, 1956,AISI-SAE 6145,?,57600,426.7,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,42.9
Grange and Baughman, 1956,AISI-SAE 6145,?,57600,537.8,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,35.6
Grange and Baughman, 1956,AISI-SAE 6145,?,57600,648.9,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,21.2
Grange and Baughman, 1956,AISI-SAE 6145,?,115200,204.4,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,52.9
Grange and Baughman, 1956,AISI-SAE 6145,?,115200,315.6,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,49.3
Grange and Baughman, 1956,AISI-SAE 6145,?,115200,426.7,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,42.5
Grange and Baughman, 1956,AISI-SAE 6145,?,115200,537.8,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,35.1
Grange and Baughman, 1956,AISI-SAE 6145,?,115200,648.9,0.43,0.74,0.019,0.024,0.23,0.06,0.92,0,0.16,0,0,19.6
Penha, 2010,AISI-SAE 6150,63.1,10,100,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,63.8
Penha, 2010,AISI-SAE 6150,63.1,10,150,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,63.3
Penha, 2010,AISI-SAE 6150,63.1,10,200,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,62.1
Penha, 2010,AISI-SAE 6150,63.1,10,250,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,63.1
Penha, 2010,AISI-SAE 6150,63.1,10,300,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,60.4
Penha, 2010,AISI-SAE 6150,63.1,10,400,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,58.8
Penha, 2010,AISI-SAE 6150,63.1,10,500,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,56.5
Penha, 2010,AISI-SAE 6150,63.1,10,600,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,49.4
Penha, 2010,AISI-SAE 6150,63.1,10,700,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,43.1
Penha, 2010,AISI-SAE 6150,63.1,90,100,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,63.0
Penha, 2010,AISI-SAE 6150,63.1,90,150,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,63.2
Penha, 2010,AISI-SAE 6150,63.1,90,200,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,60.8
Penha, 2010,AISI-SAE 6150,63.1,90,250,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,60.5
Penha, 2010,AISI-SAE 6150,63.1,90,300,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,59.0

Penha, 2010,AISI-SAE 6150,63.1,90,400,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,56.5
Penha, 2010,AISI-SAE 6150,63.1,90,500,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,48.4
Penha, 2010,AISI-SAE 6150,63.1,90,600,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,44.3
Penha, 2010,AISI-SAE 6150,63.1,90,700,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,37.6
Penha, 2010,AISI-SAE 6150,63.1,900,100,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,63.5
Penha, 2010,AISI-SAE 6150,63.1,900,150,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,64.0
Penha, 2010,AISI-SAE 6150,63.1,900,200,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,60.0
Penha, 2010,AISI-SAE 6150,63.1,900,250,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,57.3
Penha, 2010,AISI-SAE 6150,63.1,900,300,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,53.2
Penha, 2010,AISI-SAE 6150,63.1,900,400,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,49.6
Penha, 2010,AISI-SAE 6150,63.1,900,500,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,44.2
Penha, 2010,AISI-SAE 6150,63.1,900,600,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,37.7
Penha, 2010,AISI-SAE 6150,63.1,900,700,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,36.0
Penha, 2010,AISI-SAE 6150,63.1,3600,250,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,53.3
Penha, 2010,AISI-SAE 6150,63.1,3600,300,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,50.5
Penha, 2010,AISI-SAE 6150,63.1,3600,400,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,47.2
Penha, 2010,AISI-SAE 6150,63.1,3600,500,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,40.0
Penha, 2010,AISI-SAE 6150,63.1,3600,600,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,33.2
Penha, 2010,AISI-SAE 6150,63.1,3600,700,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,22.3
Penha, 2010,AISI-SAE 6150,63.1,9000,100,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,62.7
Penha, 2010,AISI-SAE 6150,63.1,9000,150,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,57.4
Penha, 2010,AISI-SAE 6150,63.1,9000,200,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,56.5
Penha, 2010,AISI-SAE 6150,63.1,9000,250,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,51.6
Penha, 2010,AISI-SAE 6150,63.1,9000,300,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,49.4
Penha, 2010,AISI-SAE 6150,63.1,9000,400,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,44.1
Penha, 2010,AISI-SAE 6150,63.1,9000,500,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,38.0
Penha, 2010,AISI-SAE 6150,63.1,9000,600,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,31.3
Penha, 2010,AISI-SAE 6150,63.1,9000,700,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,18.3
Penha, 2010,AISI-SAE 6150,63.1,86400,100,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,60.5
Penha, 2010,AISI-SAE 6150,63.1,86400,150,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,55.7
Penha, 2010,AISI-SAE 6150,63.1,86400,200,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,54.5
Penha, 2010,AISI-SAE 6150,63.1,86400,250,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,50.3
Penha, 2010,AISI-SAE 6150,63.1,86400,300,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,49.0
Penha, 2010,AISI-SAE 6150,63.1,86400,400,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,39.6
Penha, 2010,AISI-SAE 6150,63.1,86400,500,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,37.0
Penha, 2010,AISI-SAE 6150,63.1,86400,600,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,26.7
Penha, 2010,AISI-SAE 6150,63.1,86400,700,0.51,0.81,0.021,0.014,0.28,0,0.98,0,0,0,0,9.9
Grange and Baughman, 1956,AISI-SAE 9264,?,600,204.4,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,61.0
Grange and Baughman, 1956,AISI-SAE 9264,?,600,260,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,59.3
Grange and Baughman, 1956,AISI-SAE 9264,?,600,315.6,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,58.8
Grange and Baughman, 1956,AISI-SAE 9264,?,600,371.1,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,57.5
Grange and Baughman, 1956,AISI-SAE 9264,?,600,426.7,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,54.8
Grange and Baughman, 1956,AISI-SAE 9264,?,600,482.2,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,49.8
Grange and Baughman, 1956,AISI-SAE 9264,?,600,537.8,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,45.2
Grange and Baughman, 1956,AISI-SAE 9264,?,600,593.3,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,41.3
Grange and Baughman, 1956,AISI-SAE 9264,?,600,648.9,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,39.2
Grange and Baughman, 1956,AISI-SAE 9264,?,600,704.4,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,34.7
Grange and Baughman, 1956,AISI-SAE 9264,?,3600,204.4,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,59.9
Grange and Baughman, 1956,AISI-SAE 9264,?,3600,260,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,58.9

Grange and Baughman, 1956,AISI-SAE 9264,?,3600,315.6,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,58.3
Grange and Baughman, 1956,AISI-SAE 9264,?,3600,371.1,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,56.7
Grange and Baughman, 1956,AISI-SAE 9264,?,3600,426.7,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,51.9
Grange and Baughman, 1956,AISI-SAE 9264,?,3600,482.2,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,47.0
Grange and Baughman, 1956,AISI-SAE 9264,?,3600,537.8,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,42.1
Grange and Baughman, 1956,AISI-SAE 9264,?,3600,593.3,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,38.8
Grange and Baughman, 1956,AISI-SAE 9264,?,3600,648.9,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,34.2
Grange and Baughman, 1956,AISI-SAE 9264,?,3600,704.4,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,29.0
Grange and Baughman, 1956,AISI-SAE 9264,?,14400,204.4,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,59.1
Grange and Baughman, 1956,AISI-SAE 9264,?,14400,260,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,58.6
Grange and Baughman, 1956,AISI-SAE 9264,?,14400,315.6,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,58.1
Grange and Baughman, 1956,AISI-SAE 9264,?,14400,371.1,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,55.5
Grange and Baughman, 1956,AISI-SAE 9264,?,14400,426.7,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,50.0
Grange and Baughman, 1956,AISI-SAE 9264,?,14400,482.2,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,45.0
Grange and Baughman, 1956,AISI-SAE 9264,?,14400,537.8,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,40.8
Grange and Baughman, 1956,AISI-SAE 9264,?,14400,593.3,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,36.7
Grange and Baughman, 1956,AISI-SAE 9264,?,14400,648.9,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,30.5
Grange and Baughman, 1956,AISI-SAE 9264,?,14400,704.4,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,25.5
Grange and Baughman, 1956,AISI-SAE 9264,?,86400,204.4,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,58.9
Grange and Baughman, 1956,AISI-SAE 9264,?,86400,260,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,58.5
Grange and Baughman, 1956,AISI-SAE 9264,?,86400,315.6,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,57.7
Grange and Baughman, 1956,AISI-SAE 9264,?,86400,371.1,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,53.5
Grange and Baughman, 1956,AISI-SAE 9264,?,86400,426.7,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,48.3
Grange and Baughman, 1956,AISI-SAE 9264,?,86400,482.2,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,42.9
Grange and Baughman, 1956,AISI-SAE 9264,?,86400,537.8,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,38.5
Grange and Baughman, 1956,AISI-SAE 9264,?,86400,593.3,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,32.2
Grange and Baughman, 1956,AISI-SAE 9264,?,86400,648.9,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,26.3
Grange and Baughman, 1956,AISI-SAE 9264,?,86400,704.4,0.55,0.78,0.012,0.022,1.62,0,0.77,0.01,0,0,0,20.5
Penha, 2010,AISI-SAE E52100,63.3,10,100,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,63.1
Penha, 2010,AISI-SAE E52100,63.3,10,150,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,62.9
Penha, 2010,AISI-SAE E52100,63.3,10,200,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,63.3
Penha, 2010,AISI-SAE E52100,63.3,10,250,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,62.8
Penha, 2010,AISI-SAE E52100,63.3,10,300,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,62.7
Penha, 2010,AISI-SAE E52100,63.3,10,400,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,59.9
Penha, 2010,AISI-SAE E52100,63.3,10,500,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,57.8
Penha, 2010,AISI-SAE E52100,63.3,10,600,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,54.6
Penha, 2010,AISI-SAE E52100,63.3,10,700,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,37.7
Penha, 2010,AISI-SAE E52100,63.3,90,100,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,63.3
Penha, 2010,AISI-SAE E52100,63.3,90,150,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,62.7
Penha, 2010,AISI-SAE E52100,63.3,90,200,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,62.4
Penha, 2010,AISI-SAE E52100,63.3,90,250,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,62.6
Penha, 2010,AISI-SAE E52100,63.3,90,300,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,61.8
Penha, 2010,AISI-SAE E52100,63.3,90,400,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,59.0
Penha, 2010,AISI-SAE E52100,63.3,90,500,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,53.0
Penha, 2010,AISI-SAE E52100,63.3,90,600,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,51.7
Penha, 2010,AISI-SAE E52100,63.3,90,700,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,35.0
Penha, 2010,AISI-SAE E52100,63.3,900,100,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,63.1
Penha, 2010,AISI-SAE E52100,63.3,900,150,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,63.3
Penha, 2010,AISI-SAE E52100,63.3,900,200,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,62.1

Penha, 2010,AISI-SAE E52100,63.3,900,250,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,58.3
Penha, 2010,AISI-SAE E52100,63.3,900,300,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,57.5
Penha, 2010,AISI-SAE E52100,63.3,900,400,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,52.6
Penha, 2010,AISI-SAE E52100,63.3,900,500,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,52.3
Penha, 2010,AISI-SAE E52100,63.3,900,600,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,47.2
Penha, 2010,AISI-SAE E52100,63.3,900,700,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,33.0
Penha, 2010,AISI-SAE E52100,63.3,3600,250,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,57.2
Penha, 2010,AISI-SAE E52100,63.3,3600,300,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,55.2
Penha, 2010,AISI-SAE E52100,63.3,3600,400,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,50.5
Penha, 2010,AISI-SAE E52100,63.3,3600,500,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,45.8
Penha, 2010,AISI-SAE E52100,63.3,3600,600,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,36.8
Penha, 2010,AISI-SAE E52100,63.3,3600,700,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,24.5
Penha, 2010,AISI-SAE E52100,63.3,9000,100,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,62.8
Penha, 2010,AISI-SAE E52100,63.3,9000,150,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,59.8
Penha, 2010,AISI-SAE E52100,63.3,9000,200,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,58.4
Penha, 2010,AISI-SAE E52100,63.3,9000,250,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,56.8
Penha, 2010,AISI-SAE E52100,63.3,9000,300,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,53.7
Penha, 2010,AISI-SAE E52100,63.3,9000,400,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,49.9
Penha, 2010,AISI-SAE E52100,63.3,9000,500,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,40.4
Penha, 2010,AISI-SAE E52100,63.3,9000,600,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,32.1
Penha, 2010,AISI-SAE E52100,63.3,9000,700,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,22.3
Penha, 2010,AISI-SAE E52100,63.3,86400,100,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,59.8
Penha, 2010,AISI-SAE E52100,63.3,86400,150,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,59.4
Penha, 2010,AISI-SAE E52100,63.3,86400,200,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,56.4
Penha, 2010,AISI-SAE E52100,63.3,86400,250,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,55.1
Penha, 2010,AISI-SAE E52100,63.3,86400,300,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,52.9
Penha, 2010,AISI-SAE E52100,63.3,86400,400,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,45.0
Penha, 2010,AISI-SAE E52100,63.3,86400,500,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,37.7
Penha, 2010,AISI-SAE E52100,63.3,86400,600,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,26.0
Penha, 2010,AISI-SAE E52100,63.3,86400,700,1.02,0.4,0.017,0.014,0.23,0,1.42,0,0,0,0,7.3
Grange and Baughman, 1956,Nitriding Steel ,?,600,204.4,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,55.0
Grange and Baughman, 1956,Nitriding Steel ,?,600,260,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,53.4
Grange and Baughman, 1956,Nitriding Steel ,?,600,315.6,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,52.7
Grange and Baughman, 1956,Nitriding Steel ,?,600,371.1,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,51.0
Grange and Baughman, 1956,Nitriding Steel ,?,600,426.7,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,49.8
Grange and Baughman, 1956,Nitriding Steel ,?,600,482.2,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,46.2
Grange and Baughman, 1956,Nitriding Steel ,?,600,537.8,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,43.2
Grange and Baughman, 1956,Nitriding Steel ,?,600,593.3,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,41.0
Grange and Baughman, 1956,Nitriding Steel ,?,600,648.9,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,35.5
Grange and Baughman, 1956,Nitriding Steel ,?,600,704.4,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,31.6
Grange and Baughman, 1956,Nitriding Steel ,?,3600,204.4,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,54.2
Grange and Baughman, 1956,Nitriding Steel ,?,3600,260,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,53.0
Grange and Baughman, 1956,Nitriding Steel ,?,3600,315.6,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,52.6
Grange and Baughman, 1956,Nitriding Steel ,?,3600,371.1,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,50.7
Grange and Baughman, 1956,Nitriding Steel ,?,3600,426.7,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,47.9
Grange and Baughman, 1956,Nitriding Steel ,?,3600,482.2,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,45.0
Grange and Baughman, 1956,Nitriding Steel ,?,3600,537.8,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,42.5
Grange and Baughman, 1956,Nitriding Steel ,?,3600,593.3,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,37.7
Grange and Baughman, 1956,Nitriding Steel ,?,3600,648.9,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,33.3

Grange and Baughman, 1956,Nitriding Steel ,?,3600,704.4,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,27.5
Grange and Baughman, 1956,Nitriding Steel ,?,14400,204.4,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,53.5
Grange and Baughman, 1956,Nitriding Steel ,?,14400,260,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,52.6
Grange and Baughman, 1956,Nitriding Steel ,?,14400,315.6,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,51.7
Grange and Baughman, 1956,Nitriding Steel ,?,14400,371.1,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,50.3
Grange and Baughman, 1956,Nitriding Steel ,?,14400,426.7,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,46.6
Grange and Baughman, 1956,Nitriding Steel ,?,14400,482.2,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,44.7
Grange and Baughman, 1956,Nitriding Steel ,?,14400,537.8,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,42.1
Grange and Baughman, 1956,Nitriding Steel ,?,14400,593.3,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,35.9
Grange and Baughman, 1956,Nitriding Steel ,?,14400,648.9,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,31.3
Grange and Baughman, 1956,Nitriding Steel ,?,14400,704.4,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,23.5
Grange and Baughman, 1956,Nitriding Steel ,?,79200,204.4,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,53.2
Grange and Baughman, 1956,Nitriding Steel ,?,79200,260,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,52.5
Grange and Baughman, 1956,Nitriding Steel ,?,79200,315.6,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,50.8
Grange and Baughman, 1956,Nitriding Steel ,?,79200,371.1,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,49.0
Grange and Baughman, 1956,Nitriding Steel ,?,79200,426.7,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,45.6
Grange and Baughman, 1956,Nitriding Steel ,?,79200,482.2,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,43.6
Grange and Baughman, 1956,Nitriding Steel ,?,79200,537.8,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,38.8
Grange and Baughman, 1956,Nitriding Steel ,?,79200,593.3,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,33.9
Grange and Baughman, 1956,Nitriding Steel ,?,79200,648.9,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,27.7
Grange and Baughman, 1956,Nitriding Steel ,?,79200,704.4,0.41,0.57,0.017,0.005,0.24,0.17,1.57,0.36,0,1.26,0,17.0
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,10,100,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,47.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,10,150,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,48
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,10,200,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,49
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,10,250,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,49
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,10,300,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,46.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,10,400,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,45.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,10,500,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,35.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,10,600,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,26.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,10,700,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,21.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,90,100,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,49
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,90,150,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,46
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,90,200,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,49.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,90,250,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,47.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,90,300,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,43.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,90,400,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,39.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,90,500,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,30.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,90,600,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,22.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,90,700,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,16
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,900,100,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,49
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,900,150,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,47.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,900,200,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,48
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,900,250,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,46
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,900,300,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,42.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,900,400,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,35.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,900,500,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,25.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,900,600,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,18.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,900,700,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,13.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,9000,100,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,47.5

Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,9000,150,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,47
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,9000,200,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,46.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,9000,250,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,44
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,9000,300,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,39.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,9000,400,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,30.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,9000,500,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,19.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,9000,600,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,16
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,9000,700,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,7
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,86400,100,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,48.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,86400,150,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,47.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,86400,200,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,44
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,86400,250,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,42.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,86400,300,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,37.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,86400,400,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,28.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,86400,500,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,21
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,86400,600,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,12.5
Hollomon and Jaffe, 1945,"0,31%C - plain carbon steel",46.5,86400,700,0.31,0.52,0.007,0.026,0.1,0,0.015,0,0,0,0.06,3.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,10,100,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,62.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,10,150,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,62.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,10,200,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,63.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,10,250,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,62.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,10,300,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,61.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,10,400,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,56
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,10,500,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,48.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,10,600,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,38.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,10,700,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,31.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,90,100,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,63.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,90,150,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,62.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,90,200,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,60.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,90,250,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,57.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,90,300,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,54.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,90,400,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,48.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,90,500,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,40.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,90,600,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,32.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,90,700,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,25.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,900,100,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,63.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,900,150,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,61.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,900,200,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,58.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,900,250,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,54.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,900,300,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,52
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,900,400,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,45
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,900,500,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,36.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,900,600,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,28.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,900,700,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,19
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,9000,100,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,61
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,9000,150,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,61
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,9000,200,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,56.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,9000,250,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,53.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,9000,300,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,50.5

Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,9000,400,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,42
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,9000,500,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,34.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,9000,600,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,25
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,9000,700,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,12.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,86400,100,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,60.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,86400,150,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,58.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,86400,200,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,54.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,86400,250,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,50.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,86400,300,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,47.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,86400,400,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,40.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,86400,500,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,31.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,86400,600,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,18.5
Hollomon and Jaffe, 1945,"0,56%C - plain carbon steel",63.0,86400,700,0.56,0.54,0.012,0.015,0.18,0,0.02,0,0,0,0,1.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,10,100,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,67
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,10,150,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,67.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,10,200,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,67.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,10,250,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,67
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,10,300,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,65.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,10,400,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,61.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,10,500,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,51.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,10,600,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,42.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,10,700,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,36.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,90,100,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,66.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,90,150,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,67.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,90,200,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,65
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,90,250,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,61.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,90,300,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,58.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,90,400,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,51.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,90,500,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,44.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,90,600,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,38.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,90,700,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,29
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,900,100,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,67.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,900,150,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,66.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,900,200,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,62.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,900,250,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,59.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,900,300,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,56.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,900,400,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,49.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,900,500,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,42.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,900,600,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,34.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,900,700,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,22.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,9000,100,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,66.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,9000,150,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,64.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,9000,200,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,59.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,9000,250,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,58
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,9000,300,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,53.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,9000,400,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,47.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,9000,500,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,38.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,9000,600,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,28.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,9000,700,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,16.5

Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,86400,100,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,65.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,86400,150,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,61.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,86400,200,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,58.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,86400,250,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,55
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,86400,300,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,51.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,86400,400,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,44.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,86400,500,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,34.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,86400,600,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,21.5
Hollomon and Jaffe, 1945,"0,74%C - plain carbon steel",66.5,86400,700,0.74,0.66,0.009,0.021,0.18,0,0.01,0,0,0,0,7.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,10,100,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,67
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,10,150,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,67.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,10,200,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,67.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,10,250,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,67.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,10,300,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,64.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,10,400,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,58.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,10,500,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,48.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,10,600,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,43
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,10,700,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,37.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,90,100,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,67.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,90,150,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,67.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,90,200,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,65.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,90,250,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,62.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,90,300,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,59.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,90,400,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,52.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,90,500,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,45.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,90,600,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,38
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,90,700,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,31.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,900,100,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,68
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,900,150,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,66.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,900,200,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,64.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,900,250,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,60.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,900,300,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,57.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,900,400,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,50.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,900,500,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,42.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,900,600,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,34
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,900,700,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,25.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,9000,100,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,68.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,9000,150,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,63.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,9000,200,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,61.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,9000,250,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,58.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,9000,300,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,54
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,9000,400,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,46.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,9000,500,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,38
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,9000,600,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,28.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,9000,700,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,18
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,86400,100,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,67.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,86400,150,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,62.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,86400,200,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,59.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,86400,250,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,55.5

Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,86400,300,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,52.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,86400,400,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,44.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,86400,500,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,33
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,86400,600,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,22.5
Hollomon and Jaffe, 1945,"0,89%C - plain carbon steel",67.0,86400,700,0.89,0.55,0.012,0.02,0.06,0,0.01,0,0,0,0.08,12
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,10,100,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,66.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,10,150,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,67
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,10,200,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,68
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,10,250,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,66.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,10,300,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,65
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,10,406,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,60.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,10,500,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,52.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,10,602,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,43.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,10,700,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,35.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,90,100,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,65.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,90,150,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,66.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,90,200,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,66.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,90,250,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,62.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,90,300,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,61
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,90,406,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,52.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,90,500,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,44.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,90,602,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,35.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,90,700,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,27.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,900,100,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,67
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,900,150,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,65.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,900,200,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,63.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,900,250,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,60
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,900,300,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,56.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,900,406,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,49.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,900,500,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,41.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,900,602,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,28.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,900,700,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,22.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,9000,100,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,67.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,9000,150,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,64.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,9000,200,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,62.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,9000,250,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,57.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,9000,300,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,55.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,9000,406,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,45.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,9000,500,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,35.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,9000,602,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,23.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,9000,700,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,14.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,86400,100,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,66.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,86400,150,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,63.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,86400,200,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,60.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,86400,250,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,56
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,86400,300,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,52.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,86400,406,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,43.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,86400,500,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,30.5
Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,86400,602,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,4.5

Hollomon and Jaffe, 1945,"0,98%C - plain carbon steel",66.5,86400,700,0.98,0.3,0.007,0.021,0.3,0,0.03,0,0,0,0.055,4.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,10,100,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,65
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,10,150,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,63.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,10,200,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,65
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,10,250,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,66.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,10,300,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,64
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,10,400,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,57.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,10,500,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,49
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,10,600,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,42.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,10,700,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,37.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,90,100,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,64.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,90,150,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,65
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,90,200,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,64.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,90,250,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,61.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,90,300,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,60
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,90,400,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,52
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,90,500,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,44
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,90,600,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,38.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,90,700,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,32
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,900,100,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,65.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,900,150,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,66
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,900,200,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,62.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,900,250,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,59.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,900,300,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,55.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,900,400,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,49.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,900,500,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,41
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,900,600,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,32.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,900,700,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,24.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,9000,100,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,66.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,9000,150,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,64
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,9000,200,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,60
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,9000,250,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,57.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,9000,300,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,53
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,9000,400,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,46.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,9000,500,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,37.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,9000,600,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,30.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,9000,700,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,18
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,86400,100,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,65
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,86400,150,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,61
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,86400,200,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,60.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,86400,250,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,55.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,86400,300,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,50.5
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,86400,400,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,42
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,86400,500,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,32
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,86400,600,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,23
Hollomon and Jaffe, 1945,"1,15%C - plain carbon steel",64.5,86400,700,1.15,0.58,0.012,0.021,0.09,0,0.01,0,0,0,0,4.5