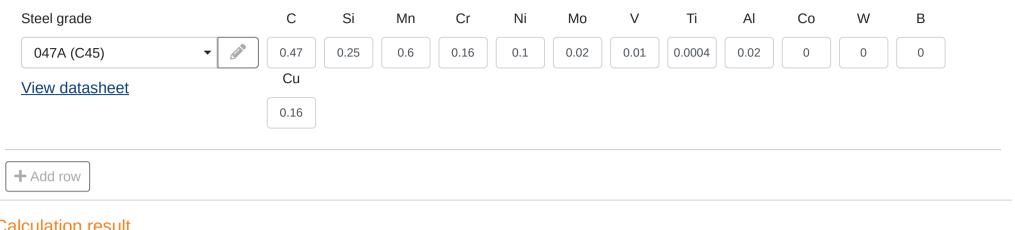




Heat Treatment Guide

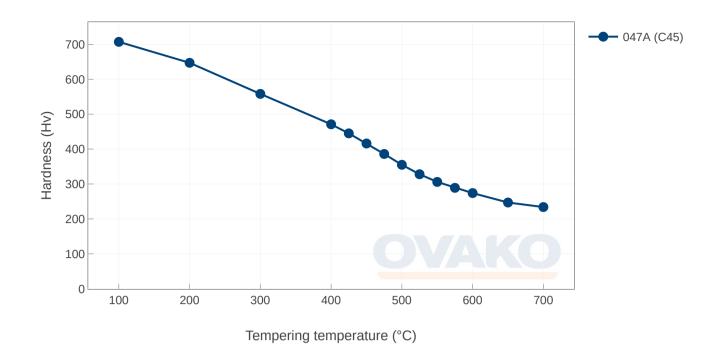


Calculation result

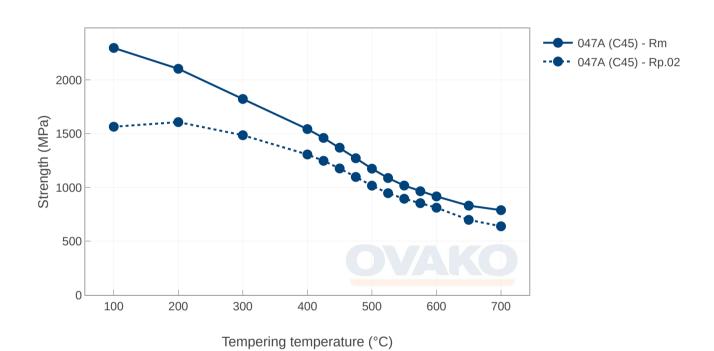
Calculated DI-value (ASTM A255 1999)

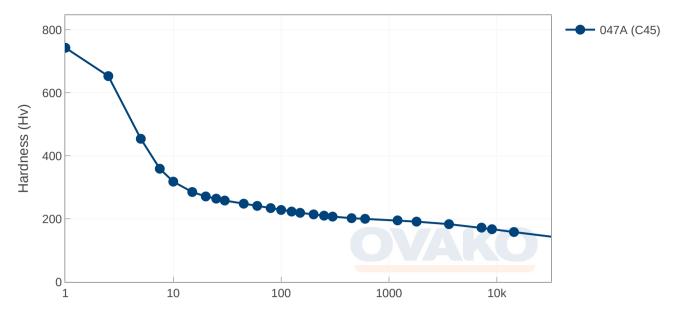
1.3 047A (C45)

Tempering Diagram (hardness)



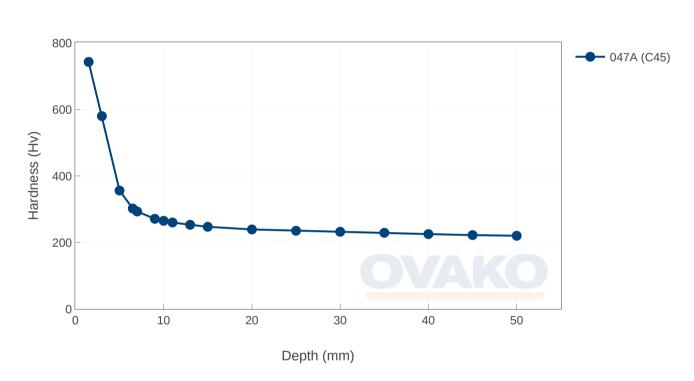
Tempering Diagram (strength)



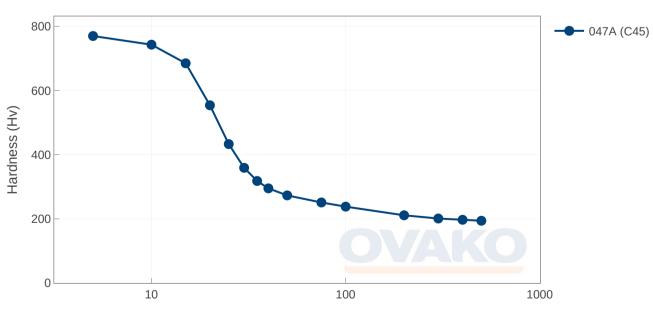


Cooling rate, time in seconds between 800-500°C

Jominy

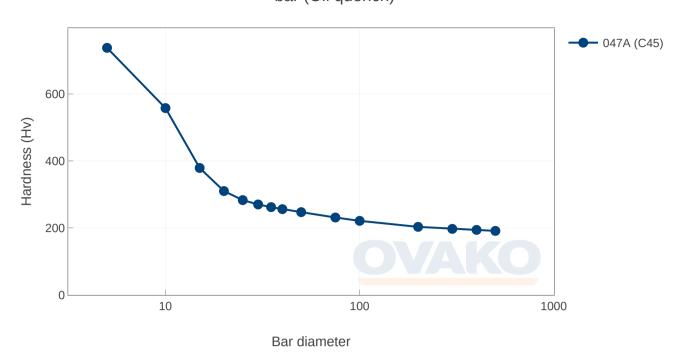


Hardness (Hv) in center of quenched bar (Water quench)

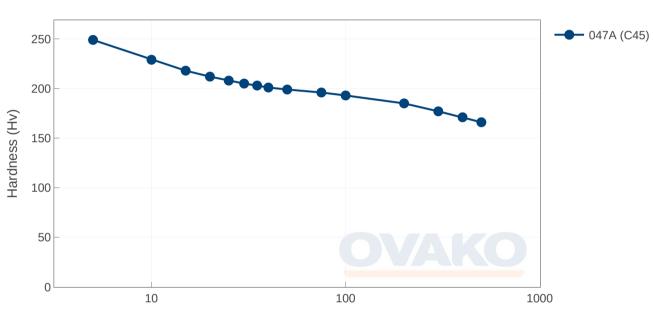


Bar diameter

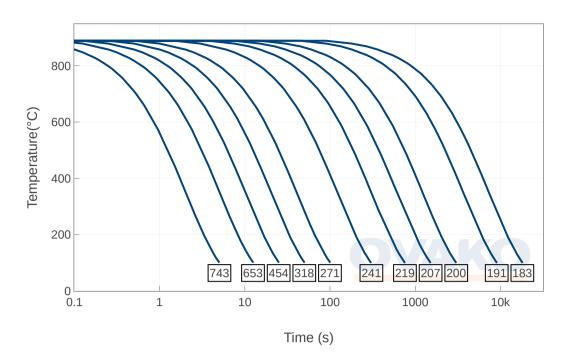
Hardness (Hv) in center of quenched bar (Oil quench)



Hardness (Hv) in center of quenched bar (Air quench)



Bar diameter



Disclaimer The results from the calculations are for guidance and not guaranteed to be accurate. Continuous development of the guide is made to improve the calculation results.