

Heat treatments

JESA.
bearing solutions

For standard ring bearings in 100Cr6 a stabilization annealing is used after tempering for up to 120°C. Such hardness is from 60-64 HRC.

High functioning temperatures

For a function at a higher temperature, following treatments may be available (values for the 100Cr6):

Code	Temperature of use [°C]	Hardness [HRC]
S0	150	58-62
S1	200	56-60
S2	250	54-58
S3	300	52-56
S4	350	50-54

Other materials

The hardness diminution brings to a load capacity diminution. JESA holds other materials at your disposal to resolve problems of corrosion or when a high impact strength is necessary besides a high hardness.