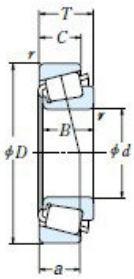
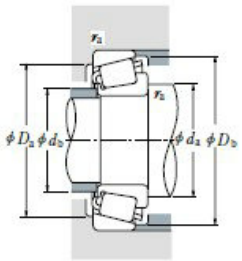
NSK F-4520 bearing sample map

d(mm)	45	da(min)	44
B(mm)	20	Db(max)	37
D(mm)	52	Da(max)	89
C0r	3550	Grease	1600
Cr	35000	oil	2600
ra	0.6	cup	FIR-404520
New Model	NSK F-4520	m(kg)	67.78





(nitriding or carburizing and carbonitriding) to detect and control the atmosphere is the key parameter, the first is the use of dew point hygrometer, CO2 infrared analyzer, at present mainly with oxygen probe to detect the potential of carbon (or nitrogen potential), the reaction speed, can be real-time monitoring, with the CO2 infrared analyzer or other measures (HydroNit probe as Ipsen Development) can be on the carbon potential (or nitrogen potential) to implement precise control.

On the other hand, process control is (nitriding or carburizing and carbonitriding) simulation process control computer. Carbon transfer and diffusion of computer in steel in simulated began in twentieth Century 80 time, after the further development of the software for the system (Carb-o-Prof), so that people can field calculation of different steel grades at any time during carburizing carbon transfer and diffusion velocity. The software considering the effects of changes in temperature, carbon potential and other parameters of the calculation of the surface carbon content, can achieve the desired and the depth of the layer parameters, and according to the changes of parameters in the process or the interference of carbon potential carburization time, automatically adjusting the process parameters such as the workpiece to reach a predetermined requirements. Recently, also introduced the "Carb-o-Prof-Expert" expert system. The software integrates physical metallurgical knowledge, equipment performance, most of the workpiece carburizing steel and carburizing and quenching technology requirements of data, as long as the input to a computer of the workpiece geometry size, grade, weight, the hardenability of carburized layer requirements, and furnace type data, the computer will output a carburizing process, and realize the automatic process.