

Roller bearings have to meet various requirements for different types of furnaces. P&N bearings are designed to meet and exceed those requirements and offer many advantages compared to conventional roller bearings. The steel for P&N bearings has a higher annealing temperature than steel used for conventional bearings.



Through-feed furnace:

The bearing housing should be bolted onto the walls of the furnace in order to be gas tight. The new generation of P&N bearings offer crowned rollers which allow the bearings to adapt to the deflection of the complete roller under load conditions.

In addition, the high stress concentration on the edges of the roller can be avoided. This increases the bearing life substantially. The axial movement between the roller basket and the inner race of the floating P&N bearing deserves special attention because this design prevents seizing between the fixed bearing and the floating bearing.

In addition, easy assembly and disassembly of the conveyor roll during operation is possible.