



IKN kiln tyre section - axial ring

The rotary kiln tyre as one of the main components of the rotary kiln consists of a support ring, pads and axial rings. Kiln tyre section serves to transfer the load from the kiln shell to the radial rollers thus prolonging the lifetime of the kiln tyre.

- + High operational reliability
- + Easy definition of diametrical clearance
- + Increased lifetime of the lining and furnace shell
- + Minimum maintenance costs
- + Suitable for new installations as well as upgrades

IKN technology in brief

The design of tyre section allows the correct diametrical clearance to be set between the tyre and the pads. The correct diametrical clearance has a major influence on the life of the whole equipment, especially the kiln shell and lining. The tyre is mounted on floating pads and is supported in the axial direction by axial rings. The floating pads are not welded to the shell and can therefore dilate freely. The side wall of the tyre is straight or may be beveled to contact the axial roller. A set of retaining tabs for attaching the pads is included with the tyre section. The trailing edges of the shell shall have transitions to follow thicknesses and bevels for welds. The tyre section is provided with stiffeners for transport.



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