



## STC-Steyr Tandemlager

Tandem bearings are mainly used in twin-screw extruders, where they have to absorb axial forces. They consist of several axial cylindrical roller and cage assemblies arranged in different configurations to cope with the different loads. Their resilient system distributes loads evenly, while the special geometry ensures optimum load distribution.

An important aspect when using tandem bearings is the minimum load, which ensures that the bearing kinematics and deflection behavior function optimally.

The service life of tandem bearings is calculated using special formulas, whereby recirculating oil lubrication is required for reliable operation.

In summary, tandem bearings offer a reliable solution for applications with limited installation space, high axial forces, speeds and a long service life. Their design and functionality make them an indispensable element in modern extruder gearboxes.

