

In mechanical engineering, **backlash**, sometimes called **lash** or **play**, is a clearance or lost motion in a mechanism caused by gaps between the parts.

Engineering tolerance is the permissible limit or limits of variation of dimension

With the current design

Backlash is present only in the bearing(few microns)

Tolerances are selected to have the best accuracy with such a design

Elastic deformations due to the operation of the WS

Backlash and tolerances have been used to analyse the WS tolerance stack with MECAMASTER software.

Results give the tolerance zone of the wire position respect to stepped chamber axis

