

Slide bearings for combustion engines

Slide bearings for aluminium and steel pistons

Due to the legislation on pollutant emissions from diesel engines, new piston designs become necessary. Besides combustion temperatures will increase due to the combined engine design changes. As a consequence the hot tensile strength and the hot hardness of the slide bearings are getting more and more important. Furthermore Wieland slide bearings made of Wieland SB8, Wieland SX1 and Wieland U17 are ideal for reinforcing the piston boss.

Wieland is the world market leader in this segment!



Slide bearings for aluminium pistons

Slide bearings made of Wieland SB8, Wieland SX1 and Wieland U17

- Are particularly suitable for aluminium and steel pistons
- Are wrought alloys (important: not cast) which are hot and cold formed
- Have excellent hot tensile strength
- Have outstanding oil corrosion resistance
- Can be realised lead-free



Slide bearings made of Wieland SB8, Wieland SX1 and Wieland U17

Slide bearings for connecting rods

The slide bearing requirements for connecting rods are constantly rising. Wieland manufactures lead-free connecting rod bushings both in machined as well as wrapped condition. For extreme high loads the alloys Wieland L67 and L66 are used. The alloys Wieland SX1 and SY1 can also be used for medium loads.



Slide bearings for connecting rods

Slide bearings made of Wieland L67, Wieland L66, Wieland SX1 and Wieland SY1

Wieland L67 and Wieland SX1 for machined slide bearings and Wieland L66 and Wieland SY1 for wrapped slide bearings

- Are excellently suited for the connecting rod small end
- Have a very good high-temperature strength
- Have a very good corrosion resistance
- Have very good tribological properties



Wieland L66