

Criteria for replacement state of the Ring clutch

Lifting devices must be inspected according to the regulation DGUV 100-500, chapter 2.8 par. 3.15.4, by an expert annually considering following criteria. Depending on the working conditions the inspections might be necessary in shorter intervals than only once a year. This might be caused by frequent use, increased wear, corrosion or heat treatment.

Prior inspection of the Ring clutch it must be cleaned. Within an inspection the following points have to be considered:



Twisted lifting clutch



Deformed coupling link



Wear at the locking bolt



Twisted coupling

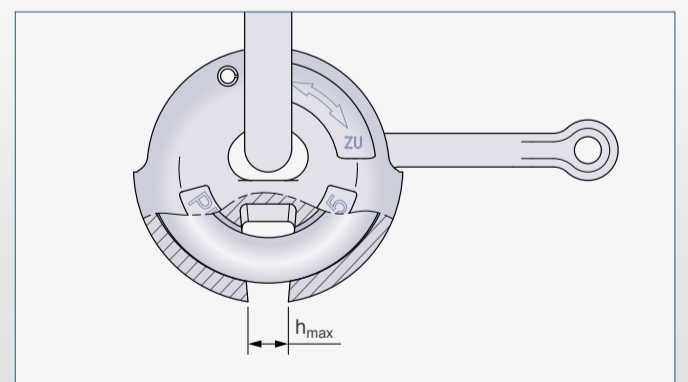
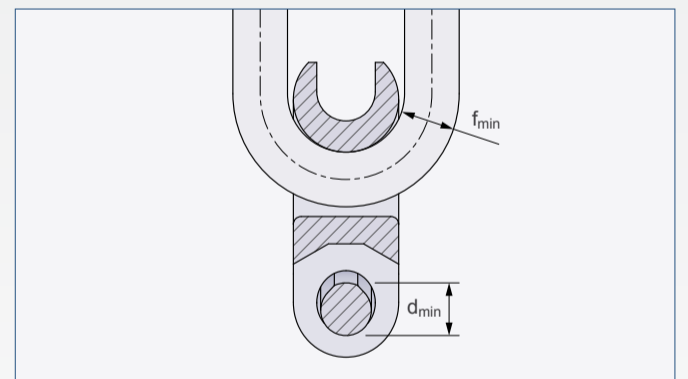


Pressure marks

- ☑ Twisted or deformed coupling link (Picture)
- ☑ Deformed coupling
- ☑ Pressure marks caused by rigging hardware at the coupling link (Picture)
- ☑ Crack in the coupling or coupling link
- ☑ Welding or other strong heat influences
- ☑ Corrosion pits
- ☑ Marking not readable anymore
- ☑ Exceeding of upper or lower wear measurements

Test dimensions

Load class	f_{min} [mm]	d_{min} [mm]	h_{max} [mm]
2,5	13,0	12,0	16,0
5,0	19,0	15,5	22,0
10,0	25,0	22,5	27,0
26,0	38,5	31,0	37,0



If one of the above-mentioned points is fulfilled the Ring clutch has reached its replacement state and **must not be used anymore.**

To be replaced

