

# JOST Wear Limit Gauge J 1027

## 1. Introduction

The JOST wear limit gauge J 1027 (see illustration 1) is designed to check whether the locking mechanism of a JOST 2" fifth wheel coupling (standard 50) resp. a JOST 2" king pin (standard 50) has reached or exceeded the permissible limit of play/wear (please also refer to the JOST repair instruction booklet JSK 37).

The gauge can however not be used to determine the exact state of wear, nor can it be used to adjust or re-adjust the mechanism.

A fifth wheel has play not only in the mechanism but also in the bearings. In order to determine the play in the bearings please refer to the relevant JOST repair instructions for the type of bearing in question.

## 2. Instructions for use

### 2.1 2" King pin (standard 50)

The functional diameters c and d (see illustration 2) are subject to wear, particularly in the direction of travel. These can be checked with the apertures in the flange of the gauge. If the gauge slips right over the respective diameter of the king pin, then the pin is worn out and must be replaced.

### 2.2 JOST 2" fifth wheel coupling (standard 50)

The mechanism of JOST fifth wheel couplings is factory adjusted so that in conjunction with a new king pin there is horizontal play of approx. 0.3 mm in the direction of travel. This longitudinal play can increase by up to 2 mm when the lock jaw and wearing ring get worn.

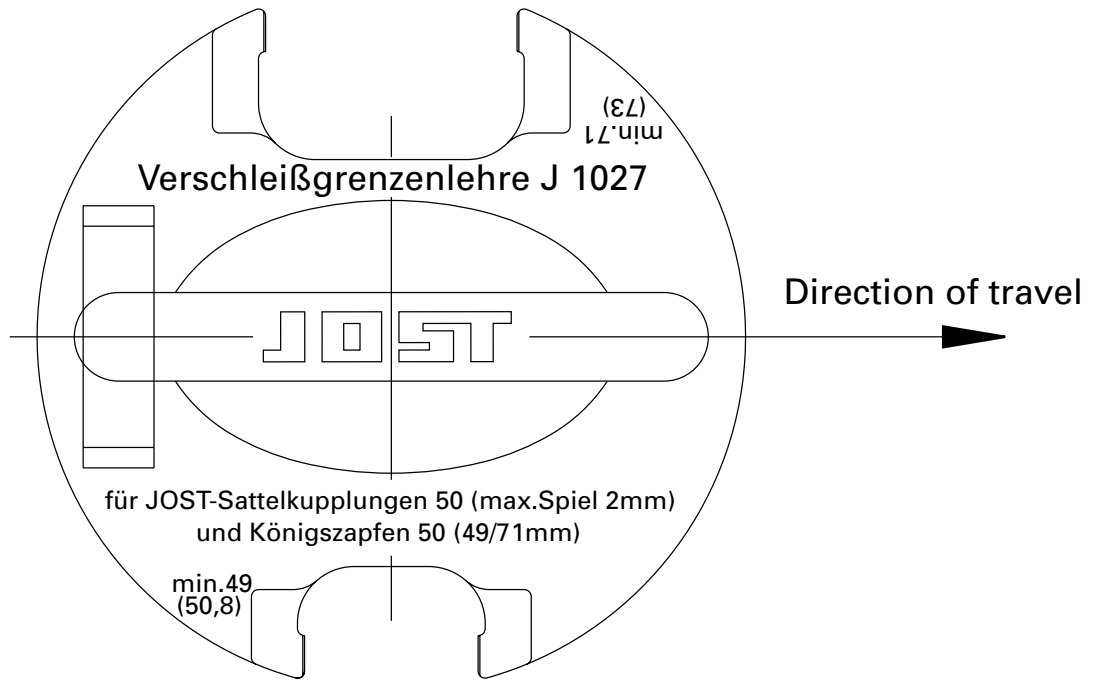
The gauge J 1027 can be used on an installed fifth wheel to determine whether the wear limit of 2 mm has been reached or not, as follows:

1. Uncouple and close fifth wheel mechanism completely (Beware: danger of injury, i.e. operate the automatic locking mechanism with a crow bar or something similar).
2. Insert the gauge vertically into the locking mechanism with reasonable force (see illustration 3), making sure that the stop is opposite the direction of travel. If the gauge cannot be inserted so that the flange lies flat on the upper surface of the wearing ring, then the play is <2 mm. If on the other hand the gauge can be inserted, then there is longitudinal play of at least 2 mm and the mechanism must be adjusted or repaired.

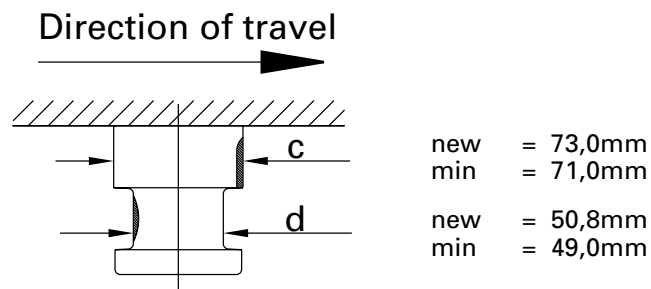
### Kindly note:

JOST 2" fifth wheel couplings (standard 50) offer the possibility of permanent adjustment to compensate for wear in the locking mechanism, but not to compensate for wear of the king pin. When the limit of adjustment is reached, which can be seen externally by the position of the operating handle, then the fifth wheel must be repaired (see separate instructions).

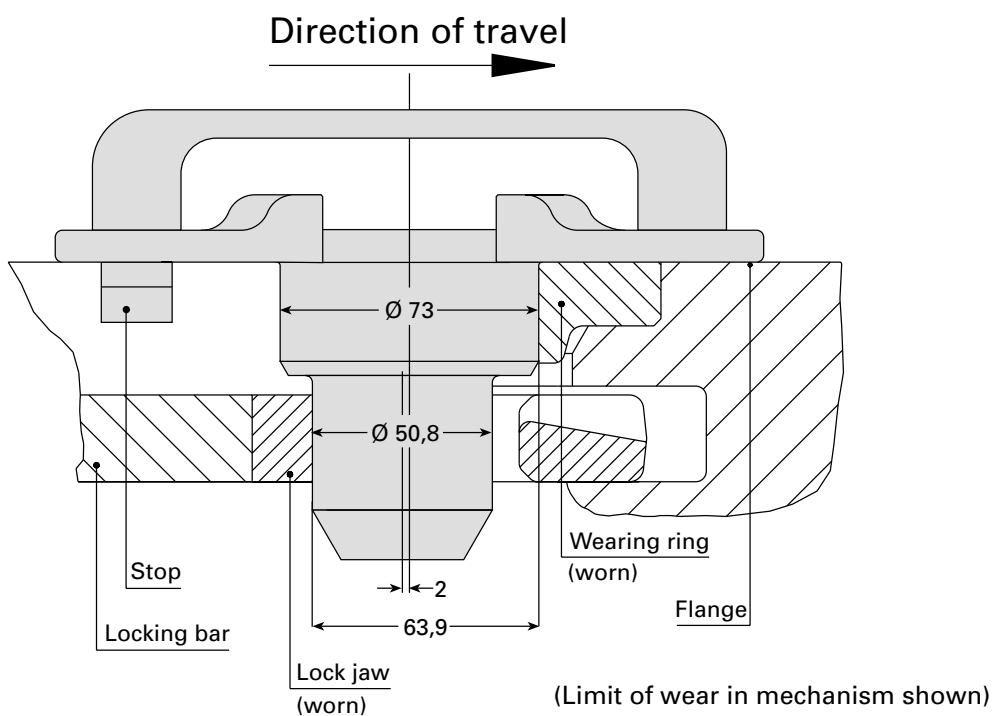
*p. t. o.*



**Illustration 1**



**Illustration 2**



**Illustration 3**