

# 2" and 3½" king pins

The king pin is a component of the coupling between the semi-trailer and the tractor unit.

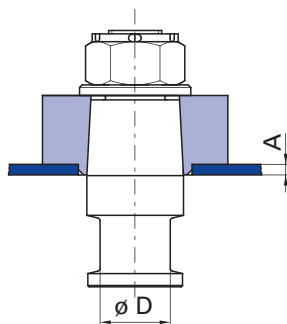
Different designs make it possible to install king pins onto a trailer quite easily. JOST king pins satisfy the most stringent safety requirements. They are produced from high-quality, coated, forged blanks which are tested for the complete absence of cracks. Exchanging or converting our king pins is both quick and easy.

National regulations (in Germany §§19, 20, 21 of the "StVZO" Motor Vehicle Safety Standards) and JOST mounting and operating instructions must be observed for the installation, conversion and replacement of king pins.

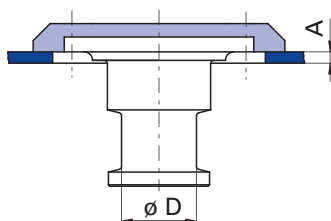
For safety reasons, we recommend only using the screws once.



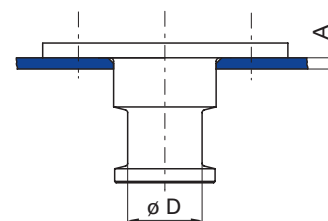
## JOST king pin designs



Pins for retention plates with cone-shaped locating hole (flange).



Pins for dish-shaped retention plates (plate).  
The pin is bolted to the retention plate and is easy to replace from underneath. 2" and 3½" pins can be interchanged on some types.



Pins without a retention plate. The pin is bolted to the top plate.

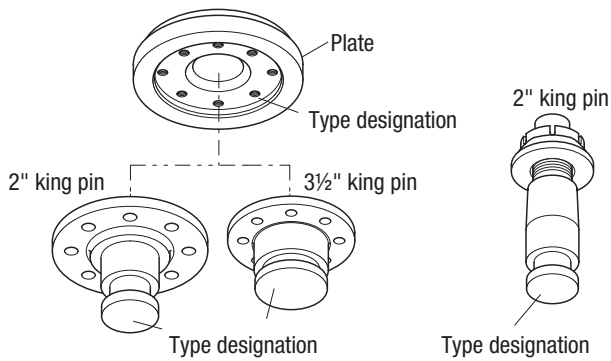
All the designs satisfy the requirements of the currently valid standards:  
2" king pins ( $\varnothing D = 2"$ ): dimensions as per directive ECE R55-01 – Class H50, DIN 74080 and ISO 337. 3½" king pins ( $\varnothing D = 3\frac{1}{2}"$ ): dimensions as per DIN 74083, ISO 4086 and directive ECE R55-01.

The retention plate is welded to the skid plate. The relevant permitted load (D value) depends on the type of king pin and the skid plate thickness (A) in use and its bracing.  
(Please also see our instructions for mounting and operation.)

## Marking

The respective type designation is stamped into the pin and the retention plate. The type designation must match on both components. If several type designations are stamped into the

retention plate, the pin may be changed for the type designations stamped into the retention plate. Example: switching from 2" to 3½" pins. Legal regulations must be observed.



### Type key

	KZ	10	08
		11	10
		13	12
		14	16
		15	
King pins		28	
Series		52	
Skid plate thickness	A		
08	A = 8 mm		
10	A = 10 mm		
12	A = 12 mm		
16	A = 16 mm		

## Product overview

2" king pins for use with 2" fifth wheel couplings as per directive ECE R55-01 as well as DIN 74081 and ISO 3842.

3½" king pins for use with 3½" fifth wheel couplings as per directive ECE R55-01 as well as DIN 74084 and ISO 3842.

All king pins are suitable for use in self-steering axle systems.

Design	D-value (kN)	King pin (D)	Series
	152 260	2" 3½"	KZ 1108-1112 KZ 1116
	152 162 170 162 320 170 400	2" 2" 2" 3½" 3½" 3½" 3½"	KZ 2816 KZ 1008-1012 KZ 1516 KZ 1410-1412 KZ 1016 KZ 1416 KZ5216
	105	2"	KZ 1312

