

## Accessories for M9000 Series



### Application

The accessories ZK are used in the case where the direct mounting of the Johnson Controls actuator to the damper shaft is impossible. The actuator is mounted on the duct and by means of the ZK accessories linked to the damper shaft.

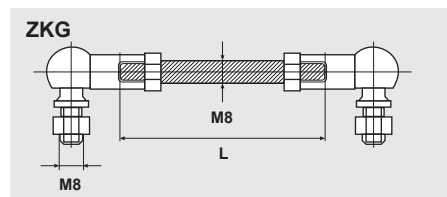
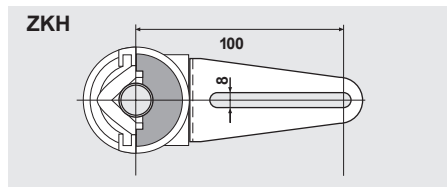
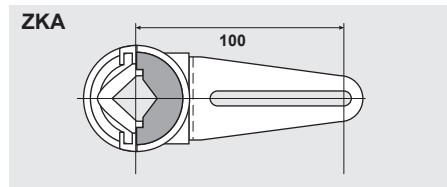
The threaded rod for the linkage between the crank arms has to be provided by the contractor.

### Mounting

The crank arm ZKA with the adapter is fitted to the damper shaft by means of the prism and the clamp. One of the ball joints is fitted to the crank arm.

The center bolt is inserted into the prism and the crank arm ZKH is fitted to the adapter of the actuator by means of the clamp. One of the ball joints is fitted to the crank arm.

The two ball joints ZKG are connected by a threaded rod (length L) with an 8 mm thread and secured on each side with a nut.



### Type designations

<b>M9000-ZK</b>	Complete set of accessories
<b>M9000-ZKA</b>	Universal crank arm and adapter to be fixed to the damper shaft
<b>M9000-ZKH</b>	Crank arm to be fixed to the actuator, including a center bolt
<b>M9000-ZKG</b>	Two ball joints to be fixed to ZKA and ZKH and to be linked by a rod with an 8 mm thread. Two M8 nuts to secure the rod.

For details of installation and commissioning see Service and Data Information (SDI)

The performance specifications are nominal and conform to acceptable industrial standards. For application at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls Incorporated shall not be liable for damages resulting from misapplication or misuse of its products