MODULAR CONNECTING ROD
For unlimited possibilities
OVERVIEW

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APPLICATION

WHEEL MOVEMENT IS TRANSFERRED TO HEIGHT SENSOR FIXED ON THE CAR BODY FOR DYNAMIC SUSPENSION & SMART LIGHTING APPLICATION
ENVIRONMENT

The connecting rod is fixed between the suspension arm and the height sensor, and can be assembled automatically or manually at the Tier or OEM.
MODULAR 3 PART SOLUTION

1 Clip

- Gap and wear compensation ensured by clip spring effect.
- Pull-out force > 100 N
- Reduced friction, no grease needed
- Jamming effect
- Integrated spring effect
2 Axis

Customized shape of the axis.

3 Clip holder

Orientation management with the locking system of the clip holder.

Flexible hinges +
EASY ASSEMBLY

• Ergonomic installation by hand due to a flat surface and audible confirmation
• Low push-in force
• Clean assembly process without grease
FULL-SCALE ADAPTABILITY

Unlimited possibilities by various:
- LENGTHS
- SHAPES
- ORIENTATIONS
- COLORS
APPLICATION POSSIBILITIES

ACTUATORS FOR AIR-CONDITIONING AND HEATING FLAPS

ACTUATORS FOR CLOSURE SYSTEMS

HEIGHT SENSORS FOR DYNAMIC SUSPENSION & SMART LIGHTING

POSITION SENSORS FOR GEARBOX

ACTUATORS FOR THROTTLE BUTTERFLY VALVES

ACTUATORS FOR INTAKE MANIFOLD FLAPS

ACTUATORS FOR AERODYNAMIC FLAPS

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MODULAR CONNECTING ROD // PRODUCT INFORMATION
TECHNICAL SPECIFICATIONS

1. Clip diameter: 8 mm
   Functional torque < 2 N m

2. Length: 35.5 mm to 180 mm

3. \( \alpha = 0^\circ - 90^\circ - 180^\circ - 270^\circ \)

**F1**: Push-in force < 40 N

**F2**: Pull-out > 100 N

**F3**: Axial peak effort > 200 N

Impact resistance > 1 J at -30°C
KEY ADVANTAGES

LOW PUSH-IN AND HIGH PULL-OUT FORCES
AUTOMATIC GAP AND WEAR COMPENSATION
LOW FUNCTIONAL TORQUE WITHOUT GREASE
FULL SCALE ADAPTABILITY
ARAYMOND, CLOSE TO YOU EVERYWHERE

1 center of expertise
11 engineering centers
26 manufacturing sites in 25 countries
6,800 employees
More than 150 years of experience
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