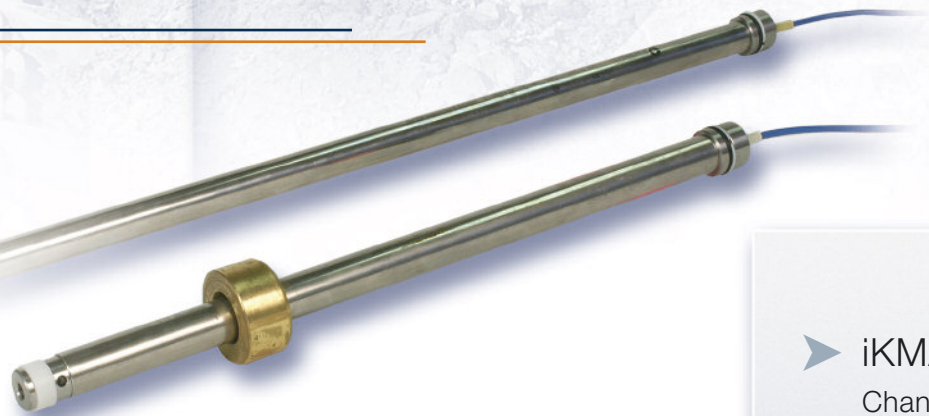




We give
impulses >>>



REED CONTACT RODS

➤ iKMA...
Channel
section rod


➤ iKMA...
Pipe
dia. 18x2 mm

FOR RAM STROKE MEASUREMENTS IN
HYDRAULIC CYLINDERS BY MEANS OF
MAGNETICALLY OPERATED CONTACTS

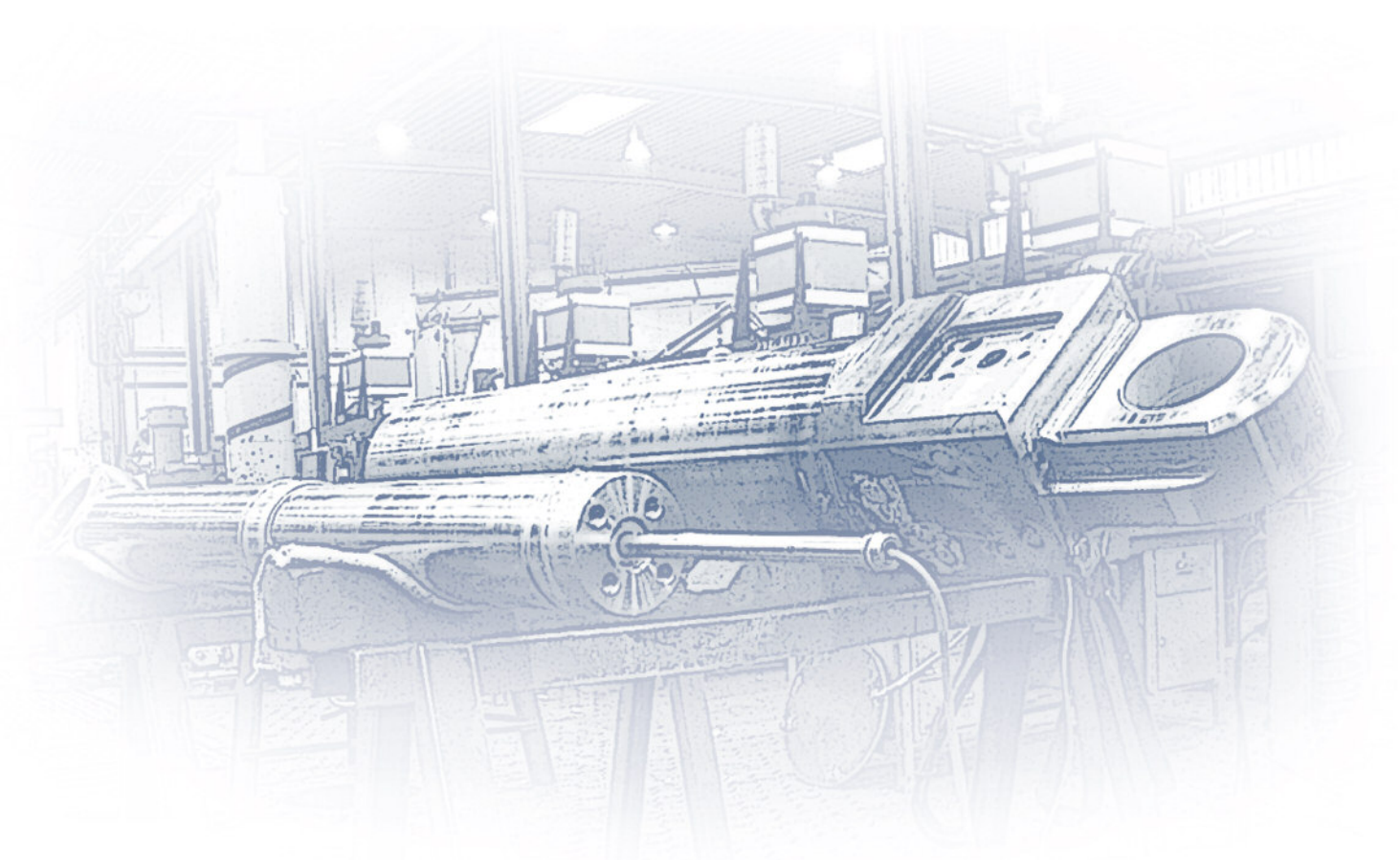
THE REED CONTACT RODS

OF TIEFENBACH CONTROL SYSTEMS...

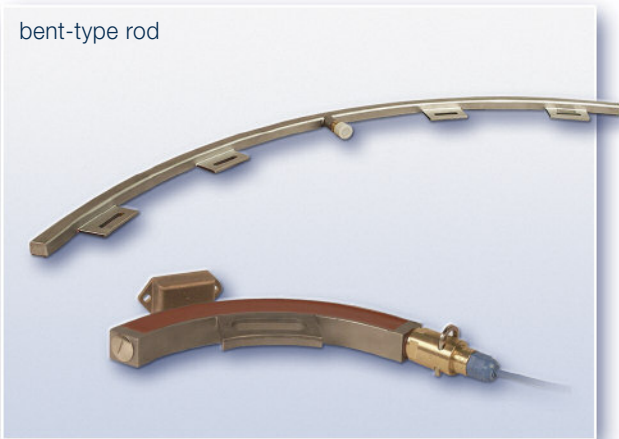
>>> HAVE BEEN ESPECIALLY DEVELOPED FOR A RELIABLE MEASUREMENT OF THE STROKE OF HYDRAULIC CYLINDERS + MOVEMENTS OF ROADHEADING MACHINES

- 
- The position is measured continuously by means of magnetically operated reed contacts which are spaced at different intervals. The contacts activated by a permanent magnet provide a resistance value which is evaluated to determine the position and transmit an electrical signal (resistance current or voltage output).
 - Thanks to the use of corrosion-resistant materials the reed contact rods are largely unaffected by external influences. They can be installed in any desired position. The monitoring elements are embedded in cast resin in order to ensure adequate safety with respect to explosion protection.
 - All reed contact rods are certified according to Directive 94/9/EC (ATEX).

>>> TIEFENBACH CONTROL SYSTEMS OFFERS OPTIMUM SOLUTIONS FOR THE MOST VARIED PATH MEASUREMENT APPLICATIONS



bent-type rod



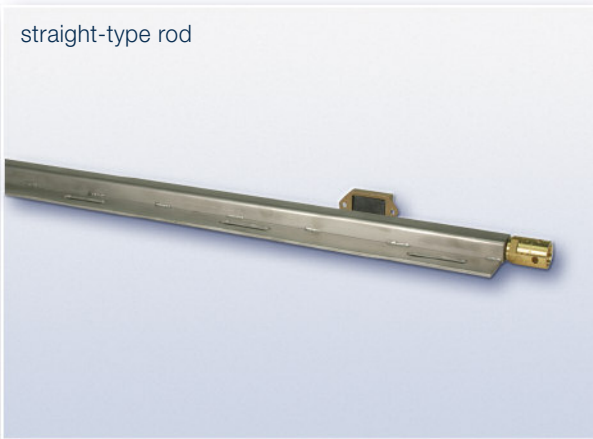
REED CONTACT ROD

iKMA... CHANNEL SECTION ROD

for path measurements by means of magnetically operated contacts

- Path measurement: $r = 170 \text{ mm}$ up to 1.000 mm
- any fitting position
- Contact spacing approx. 3 mm
- largely unaffected by external influences
- maintenance free as contacts are operated by magnets
- Type of protection: IP 65 according to EN 60529/IEC 529; EEx ia I intrinsically safe according to Directive 94/9/EC (ATEX)

straight-type rod

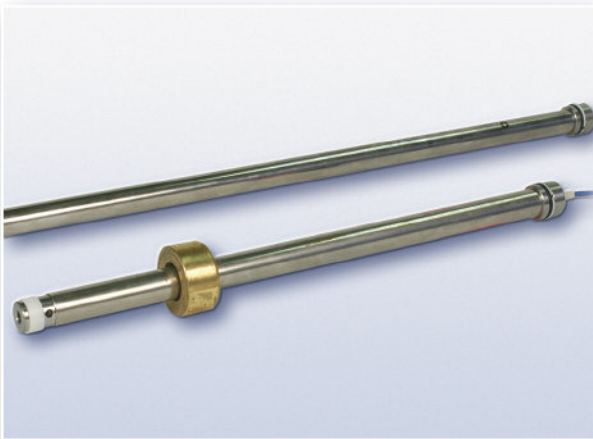


REED CONTACT ROD

iKMA... CHANNEL SECTION ROD

for path measurements by means of magnetically operated contacts

- Path measurement: up to 2.500 mm
- any fitting position
- Contact spacing 2 mm or 4 mm
- largely unaffected by external influences
- maintenance free as contacts are operated by magnets
- Type of protection: IP 65 according to EN 60529/IEC 529; EEx ia I intrinsically safe according to Directive 94/9/EC (ATEX)



REED CONTACT ROD B

iKMA... PIPE DIA. $18 \times 2 \text{ mm}$

for path measurements in hydraulic cylinders by means of magnetically operated contacts

- Path measurements from 100 mm to 2.000 mm
- any fitting position
- Contact spacing 2 mm or 4 mm
- more pipe diameter for larger lengths on request
- largely unaffected by external influences
- maintenance free as contacts are operated by magnets
- Type of protection: IP 65 according to EN 60529/IEC 529; EEx ia I intrinsically safe according to Directive 94/9/EC (ATEX)

We give
impulses >>>

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