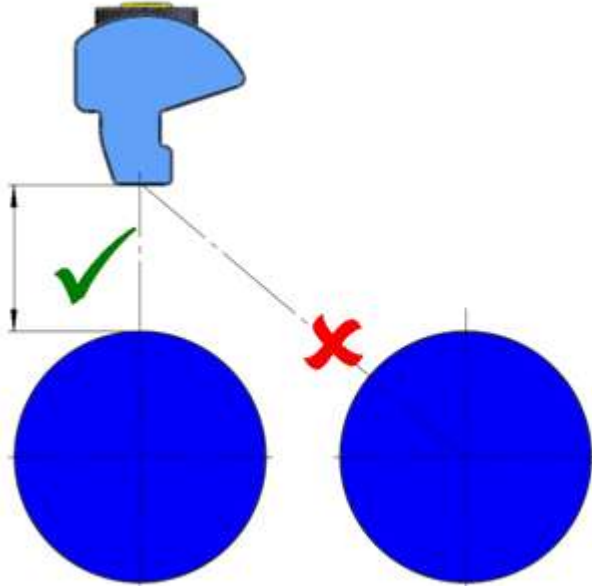


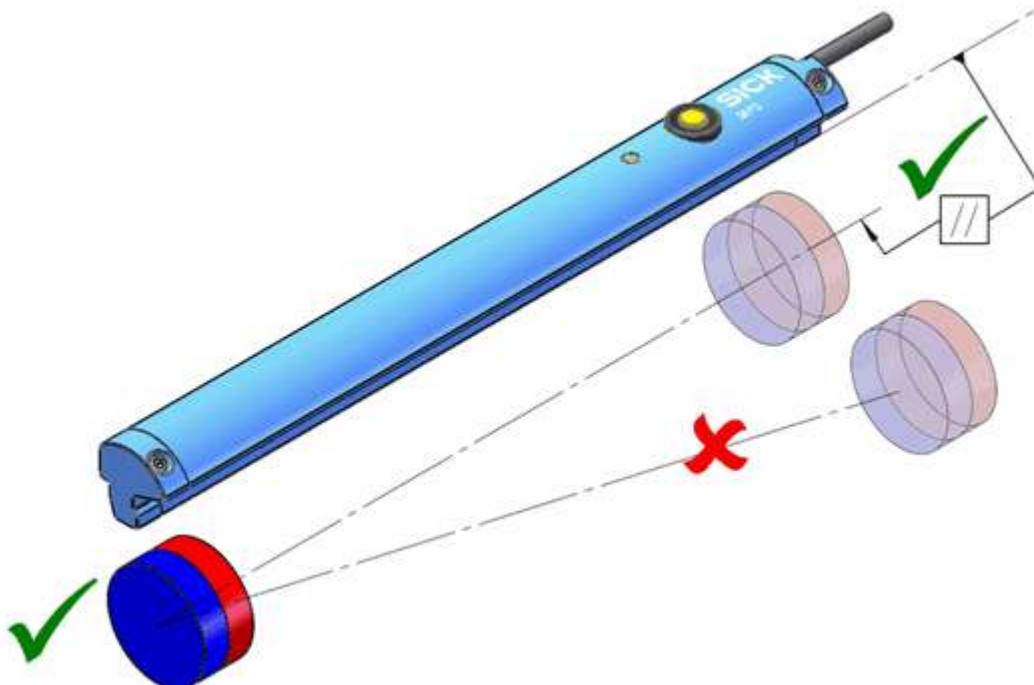
Application Note: How to use an MPS without a cylinder?

Mechanical installation and magnetic field conditions must be verified in the application to achieve optimum measurement. The following design guidelines should be considered for using an MPS without a cylinder:

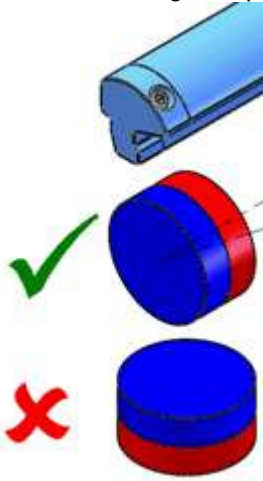
- Magnet must be aligned to the centre of the MPS



- The magnet has to move parallel to the sensor's axis and distance of sensor and magnet must remain constant:



- The magnet's polarity has to be as follows:



Magnet requirements:

- Ideal dimensions: round, d (Diameter) >10mm magnet
- Minimum magnetic field at sensor (sensors sensing point) 5mT (50 gauss), maximum magnetic field 30mT (300 Gauss)
- Typical length/width: 10mm

For further questions please contact Product Manager Serdar Guvenc:

6900 West 110th Street
Minneapolis, MN 55438 USA
Phone: 952.941.6780
Fax: 952.941.9287
Direct Dial: 952.829.4734
Cell: 952-270-7762
e-mail: serdar@sick.com