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Fields of application:

Magnetic lab rods are most frequently used in the sector of quality assurance.
Smaller product lots can be manually controlled to find out whether they include metallic parts.

Design:

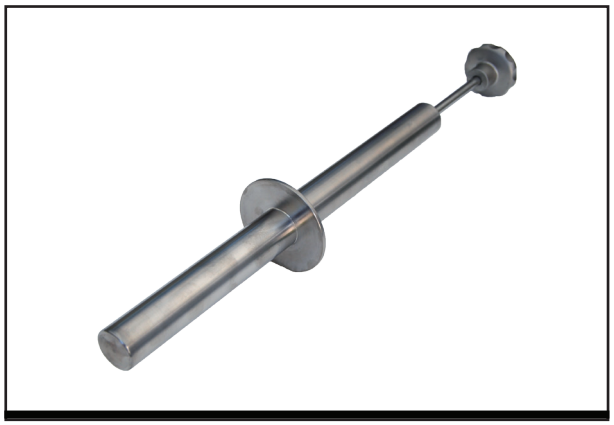
Magnetic core is protected in a stainless steel tube (1.4301)
With star grip, connecting rod and scraper blade
Surface treatment: polished

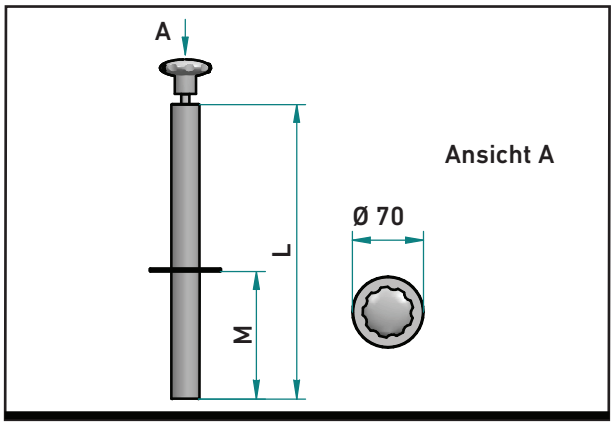
Functional description:

If the connecting rod is completely inserted, the magnetic core of the magnetic lab rod is in working position. The area in front of the scraper blade is immersed into the product and seizes magnetizable metallic parts. For the removal of metallic parts the magnetic core is pulled back by the star grip into the cleaning position – metallic parts that had been seized by the magnetic field are held back by the scraper blade and fall down now.

Magnetic Lab Rod

MFS-L





Magnetic material:

High energy neodymium magnets for the separation of smallest ferrous particles.
Series MFS-H//ND45..
B_R-value max. 1370mT
Operating surface: max.1030mT
Working temperature: max. 80°C

Series MFS-H//ND52..
B_R-value max. 1480mT
Operating surface: max.1230mT
Working temperature: max. 60°C

Option:

Surface: electropolished
Additional surface coating against aggressive media
High temperature magnetic material:
Neodymium: N38EH applicable up to 140 °C
Samarium-cobalt applicable up to 350°C

Type MFS	M	L	kg
MFS-L 100	100	290	0,9
MFS-L 150.	150	380	1,1
MFS-L 200	200	470	1,4
MFS-L 250	250	560	1,6
Other dimensions to be agreed upon			

*M ... working area