

## I Applications:

Protective magnets are applied where ferrous particles are to be removed from grainy or fibrous bulk materials. Typical installation sites are chutes or drop shafts.

## I Product requirements:

Important for bulk goods: The controlled material must be dry and the grain size should not be larger than 50mm.

## I Magnetic material:

High energy neodymium magnets for the separation of smallest ferrous particles.

Series SMP//...ND35..

$B_R$ -value max. 1210mT

Operating surface: max. 330 mT

Working temperature: max. 80°C

Series SMP//...ND45..

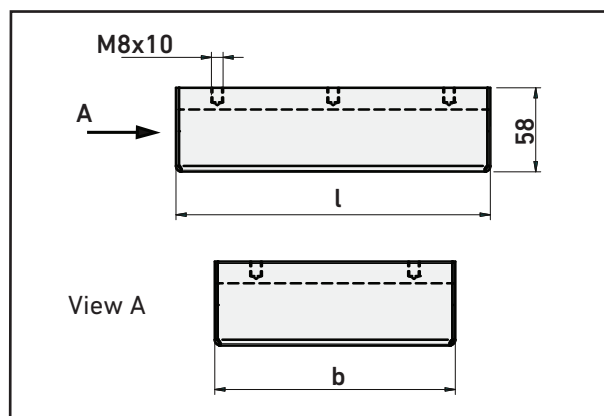
$B_R$ -value max. 1370mT

Operating surface: max. 480 mT

Working temperature: max. 80°C

# Protective Magnet

SMP



## I Design:

Casing tightly-welded out of 1.4301

Fixation at the back via threaded holes M8 x 12

Surface treatment: ground

## I Option:

Casing material: 1.4571 or 1.4404

Surface: electropolished

Additional surface coating against aggressive media

High temperature magnetic material:

Neodymium: N38EH applicable up to 140 °CC

Samarium-cobalt applicable up to 350°C

Type SMP	b	l	kg
SMP 166x166	166	166	11
SMP 166x217	166	217	14
SMP 166x268	166	268	17
SMP 166x319	166	319	20
SMP 217x166	217	166	15
SMP 217x217	217	217	19
SMP 217x268	217	268	24
SMP 217x319	217	319	29

Other dimensions to be agreed upon