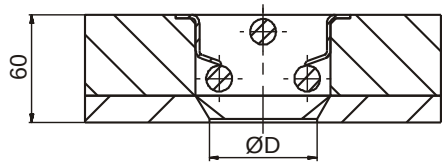
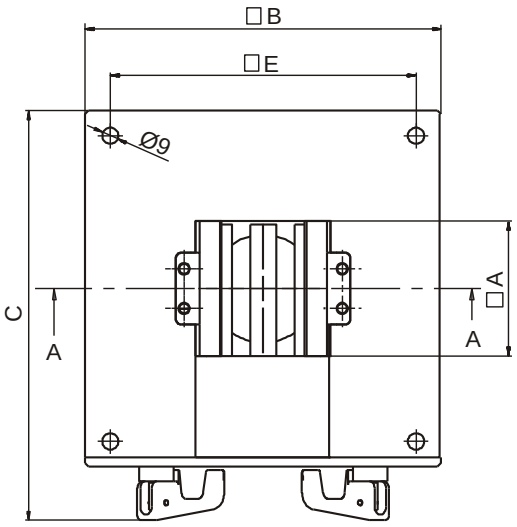
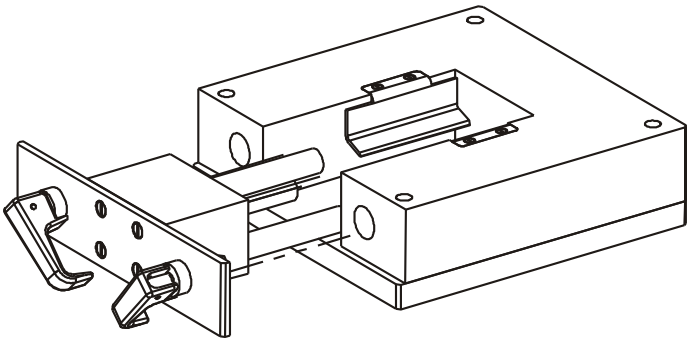
Magnetic Separator SAFEMAG SA

■ Dimensions



View A-A





■ Technical data

	mT *	Type	Outlet diameter D		
Neodymium N35	700	SA-	40	50	60
Inlet dimension A			60	75	75
Dimension B			168	198	198
Dimension C			198	228	228
Drilling detail E			140	170	170
No. of rods			3	3	3
Throughput [l/h]			600	1200	1900
Weight [kg]			4.35	6.00	6.00

* Millitesla: readings taken from outer tube surface: -5%; "1 gauss = 10^{-4} Tesla"

All dimensions in mm

Type designation: combination of "Type" and "Outlet diameter" (i.e. SA-040)

Sesotec GmbH • Regener Str. 130 • D-94513 Schönberg • Germany
Tel. +49(0)8554/308-0 • Fax: +49(0)8554/2606 • e-mail: info@sesotec.com • Internet: www.sesotec.com

Magnetic Separator SAFEMAG SA

■ Conditions of use

Use:	Separation of finest ferrous particles from plastic granules, regranulates and virgin material directly before being introduced into extruders, injection and blow moulding machinery.
Bulk material characteristics:	Dry, good free flowing characteristics, without long fibres, grain size <8 mm
Drop height of bulk material:	<200 mm above equipment top edge
Material flow:	Slow flowing bulk material; or short free fall application (for starve-fed extruders)
Bulk material temperature:	Max. +80° C (for higher temperatures please see special version)
Ambient temperature:	-20° C to +60° C

■ Scope of delivery / Standard design

Scope of delivery:	High intensity rare earth magnetic system in a wear resistant housing
Housing material:	Solid aluminium, top load: 1000 kg, side load: 50 kg
Tube material:	Stainless steel 1.4404 (AISI 316)
Surface treatment:	Housing: anodized; tubes: highly polished
Drilling detail:	140 x 140 mm respectively 170 x 170 mm [related to the drilling detail of the Metal Separator PROTECTOR-PP]
Magnetic material:	Manufactured by using high intensity rare earth neodymium magnet material N35
Magnet characteristics:	Remanence Br: 1200 mT (app. 700 mT on the tube surface)
Cleaning:	Manual

■ Options

- ☐ Design for bulk material temperatures up to max. 350° C
- ☐ Stainless steel slide gate at the inlet
- ☐ Adapter plates
  - ☐ please refer to the adapter plate data sheet

■ Accessories

- ☐ Blanc cover (for operation without magnets)
- ☐ Gaussmeter GMET-H001 (incl. hall probe and attachement to measure magnetic rods)

Sesotec GmbH • Regener Str. 130 • D-94513 Schönberg • Germany
Tel. +49(0)8554/308-0 • Fax: +49(0)8554/2606 • e-mail: info@sesotec.com • Internet: www.sesotec.com