

## Flat pot magnets of Samarium-Cobalt (SmCo)

Pot magnets made of SmCo, stainless steel housing, with cylinder bore, up to 350°C



Article number	D mm	d mm	d1 mm	H mm	h mm	Adhesive force* N	Weight g	Temperature °C
F16-SCCVAHT	16 <sup>+0.1</sup> / <sub>-0.1</sub>	3,5 <sup>+0.1</sup> / <sub>-0.1</sub>	6 <sup>+0.1</sup> / <sub>-0.1</sub>	4,5 <sup>+0.1</sup> / <sub>-0.1</sub>	3	41	5.8	350
F20-SCCVAHT	20 <sup>+0.1</sup> / <sub>-0.1</sub>	4,5 <sup>+0.1</sup> / <sub>-0.1</sub>	8 <sup>+0.1</sup> / <sub>-0.1</sub>	6 <sup>+0.1</sup> / <sub>-0.1</sub>	3,5	60	13	350
F25-SCCVAHT	25 <sup>+0.1</sup> / <sub>-0.1</sub>	4,5 <sup>+0.1</sup> / <sub>-0.1</sub>	8 <sup>+0.1</sup> / <sub>-0.1</sub>	7 <sup>+0.2</sup> / <sub>-0.2</sub>	4	80	24	350
F32-SCCVAHT	32 <sup>+0.1</sup> / <sub>-0.1</sub>	5,5 <sup>+0.1</sup> / <sub>-0.1</sub>	11 <sup>+0.1</sup> / <sub>-0.1</sub>	7 <sup>+0.2</sup> / <sub>-0.2</sub>	4	200	39	350
F40-SCCVAHT	40 <sup>+0.1</sup> / <sub>-0.1</sub>	5,5 <sup>+0.1</sup> / <sub>-0.1</sub>	10,5 <sup>+0.1</sup> / <sub>-0.1</sub>	8 <sup>+0.2</sup> / <sub>-0.2</sub>	4	420	75	350

### PRODUCT NOTE

This **pot magnet** sets new standards in terms of heat resistance and strength. The high-performance **Samarium Cobalt (SmCo)** core guarantees exceptional adhesive force, even **at temperatures of up to 350 °C**.

The robust **stainless steel housing** protects the magnet from external influences and ensures a long service life. The integrated **cylinder bore** enables simple and secure mounting in various applications.

#### Ideal for:

- High temperature applications
- Industrial manufacturing processes
- Material handling with extreme conditions

As an alternative to the standard, we also offer customised solutions:

" alternative thread sizes and lengths

" Sleeve made of stainless steel 1.4301 or 1.4571

\* The forces have been determined at room temperature on a polished plate made of steel (S235JR according to DIN 10 025) with a thickness of 10 mm (1kg~10N). A deviation of up to -10% from the specified value is possible in exceptional cases. In general, the value is exceeded. The type of application (installation situation, temperatures, counter anchors, etc.) sometimes influence the forces enormously. The values given are for orientation purposes. Let our experts advise you.