Item description/product images



Description

Product description:
SmCo raw magnets are corrosion resistant. This makes them suitable for use in damp or chemical environments. In addition, the SmCo magnets ensure magnetic stability even with temperature fluctuations. Typical application sectors are the automotive industry, electronics, science and research and aerospace.

Material:
SmCo5 (samarium-cobalt).

Version:
Bright.

Note:
The SmCo raw magnets are an unshielded magnetic system.
SmCo magnets have an extremely high magnetic force. Please handle these raw magnets with particular care.
• High crush hazard: Larger magnets in particular can cause considerable crushing to fingers or hands when moved together.
• Brittle material: Samarium-cobalt is a very hard but brittle material. The magnets can easily break or splinter by impacts, dropping or uncontrolled collision.
• Sharp-edged splinters: Sharp-edged, partially splinter fragments often occur when broken. It is recommended to wear safety glasses when handling.
• Danger when snapping together: If two magnets collide without slowing, explosive splintering can occur due to the brittleness of the material.

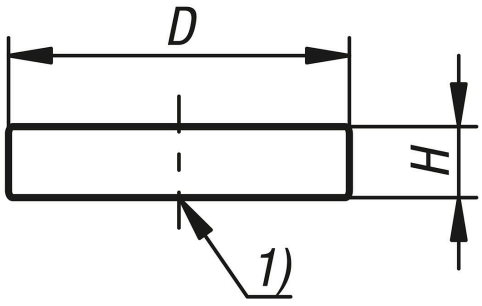
Temperature range:
max. 250 °C.

Assembly:
The magnets can be fitted by gluing them in place.

On request:
Other sizes.

Drawing reference:
1) magnetic face

Drawings



Overview of items

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Raw magnets (disc magnets) made from SmCo

Order No.	D	H	Magnetic force N
09000-10-03020	3±0,1	2±0,1	1
09000-10-04015	4±0,1	1,5±0,1	1,2
09000-10-05020	5±0,1	2±0,1	2,5
09000-10-05040	5±0,1	4±0,1	2,6
09000-10-06020	6±0,1	2±0,1	4,9
09000-10-07030	7±0,1	3±0,1	12
09000-10-10050	10 ±0,1	5±0,1	27
09000-10-15050	15±0,1	5±0,1	54
09000-10-25050	25±0,1	5±0,1	127