



12 Samarium Kobalt Magnete

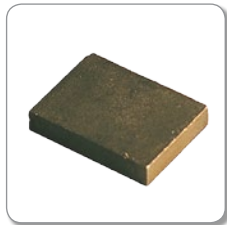
Der «Problemlöser» Magnet für anspruchsvolle Anwendungen

- Beste magnetische Stabilität
- Grosser Temperaturbereich
- Geringer Temperaturgang in der Remanenz
- Oxydationsresistent
- Enge Toleranzen in den Abmessungen möglich
- Beachten der Sprödhheit des Materials im Handling und Gebrauch

Sm₂Co₁₇



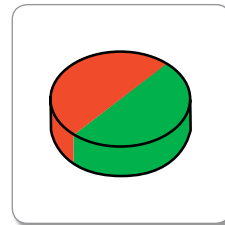
Scheibenmagnete



Quadermagnete



Ringmagnete



Diametral magnetisierte Magnete

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***Kundenspezifische Magnetanfrage, Werkslieferung**
Abmessung / Form / Material / Magnetisierung /
SmCo5 / nach Zeichnung...

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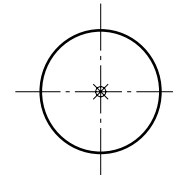
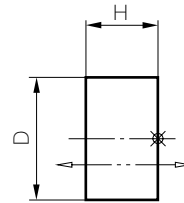


Scheibenmagnete


Werkstoff: **Sm₂Co₁₇ / Samarium Kobalt**

*gerechnete Werte (10 N = ~1kg)

Ausführung: roh, Höhe geschliffen, axial magnetisiert



M415.8

Abmessungen ±0.1mm		Werkstoff	Bestell-Nr.	Temperatur	*Hubkraft	Gewicht
D	H		 max. C	max. C	N	g
2.5	1.5	Sm26/16-17	M400.8	300°	1.7	0.06
3.0	2.0	Sm26/16-17	M410.8	300°	2.6	0.12
4.0	1.5	Sm26/16-17	M411.8	300°	2.6	0.16
4.0	3.0	Sm26/16-17	M419.8	300°	5.1	0.32
5.0	1.5	Sm26/16-17	M408.8	300°	3.0	0.25
5.0	2.0	Sm26/16-17	M412.8	300°	4.5	0.33
5.0	3.0	Sm26/16-17	M413.8	300°	6.8	0.49
5.0	9.0	Sm26/16-17	M409.8	300°	10.6	1.48
5.45	4.0	Sm26/16-17	M401.8	300°	9.3	0.78
6.0	2.0	Sm26/16-17	M426.8	300°	5.1	0.48
6.0	3.0	Sm26/16-17	M427.8	300°	8.3	0.71
7.0	3.0	Sm26/16-17	M414.8	300°	9.5	0.97
8.0	5.0	Sm26/16-17	M402.8	300°	17.9	2.11
10.0	2.0	Sm26/16-17	M407.8	300°	6.3	1.32
10.0	3.0	Sm26/16-17	M415.8	300°	12.1	0.98
10.0	4.0	Sm26/16-17	M403.8	300°	17.8	2.64
10.0	5.0	Sm26/16-17	M416.8	300°	22.9	3.30
12.0	3.0	Sm26/16-17	M428.8	300°	13.1	2.85
13.8	3.0	Sm26/16-17	M404.8	300°	13.8	3.77
15.0	5.0	Sm26/16-17	M417.8	300°	31.8	7.42
18.0	4.0	Sm26/16-17	M429.8	300°	24.4	8.55
20.0	4.0	Sm26/16-17	M405.8	300°	25.4	10.56
20.0	5.0	Sm26/16-17	M418.8	300°	36.5	13.19
24.0	4.0	Sm26/16-17	M406.8	300°	26.5	15.20

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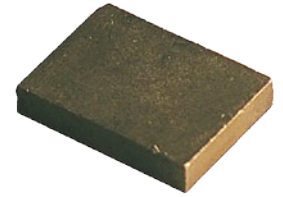
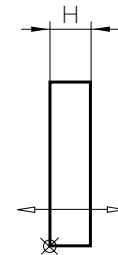
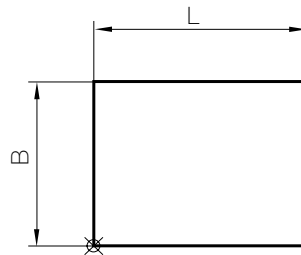


Quadermagnete

Werkstoff: **Sm₂Co₁₇/Samarium Kobalt**

*gerechnete Werte (10 N = ~1kg)

Ausführung: Polfläche geschliffen,
durch Dicke magnetisiert



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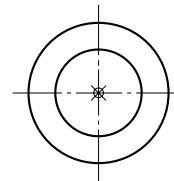
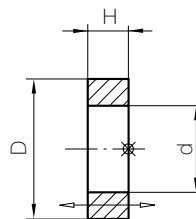
Abmessungen ±0.1mm			Werkstoff	Bestell-Nr.	Temperatur max. C	*Hubkraft N	Gewicht g
L	B	H					
2.0	2.0	1.0	Sm26/16-17	M470.8	300°	1.0	0.03
3.0	2.0	1.0	Sm26/16-17	M430.8	300°	1.3	0.05
3.0	3.0	2.0	Sm26/16-17	M432.8	300°	3.1	0.15
4.0	4.0	2.0	Sm26/16-17	M473.8	300°	4.1	0.27
5.0	4.5	1.5	Sm26/16-17	M472.8	300°	3.2	0.28
5.0	5.0	3.0	Sm26/16-17	M482.8	300°	7.8	0.63
6.0	3.0	1.0	Sm26/16-17	M471.8	300°	1.9	0.15
6.0	3.0	2.0	Sm26/16-17	M424.8	300°	4.7	0.30
10.0	6.0	5.0	Sm26/16-17	M431.8	300°	20.4	2.52
10.0	7.0	2.0	Sm26/16-17	M474.8	300°	6.7	1.18
10.0	10.0	3.0	Sm26/16-17	M475.8	300°	13.1	2.52
12.0	9.0	2.5	Sm26/16-17	M476.8	300°	10.2	2.27
16.0	12.0	3.0	Sm26/16-17	M477.8	300°	15.2	4.84
18.0	16.0	4.0	Sm26/16-17	M478.8	300°	25.6	9.68
26.0	21.0	5.0	Sm26/16-17	M479.8	300°	41.5	22.93
30.0	10.0	6.0	Sm26/16-17	M480.8	300°	61.8	15.12
32.0	27.0	6.0	Sm26/16-17	M481.8	300°	60.4	43.55

Ringmagnete

Werkstoff: **Sm₂Co₁₇/Samarium Kobalt**

*gerechnete Werte (10 N = ~1kg)

Ausführung: roh, axial magnetisiert, Höhe geschliffen



M421.8

Abmessungen ±0.1mm			Werkstoff	Bestell-Nr.	Temperatur max. C	*Hubkraft N	Gewicht g
D	d	H					
11.0	6.8	3.2	Sm26/16-17	M420.8	300°	22.1	1.6
19.5	5.4	3.0	Sm26/16-17	M421.8	300°	33.6	6.9
28.0	10.3	12.0	Sm26/16-17	M423.8	300°	195.1	53.7

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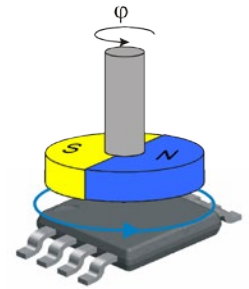
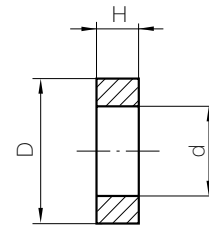
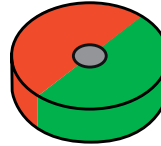
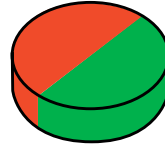





Diametral magnetisierte Magnete für berührungslose Drehwinkel-Anwendungen

(für Produkte aus der Serie Melexis Triaxis sowie MPS MagAlpha)

Ausführung in NdFeB, schwarz epoxy beschichtet;
Ausführung in SmCo, roh, unbeschichtet.
Alle Magnete sind diametral magnetisiert!



Abmessungen $\pm 0.05\text{mm}$			Werkstoff	Bestell-Nr. 	Temperatur max. C	Gewicht g	Beschichtung
D	d	H					
4.0	–	3.0	N35	M610403	80	0.28	epoxy
4.0	–	3.0	Sm26/16-17	M410403	300	0.32	roh
5.0	–	2.5	N35	M610502	80	0.36	epoxy
5.0	–	2.5	Sm26/16-17	M410502	300	0.41	roh
5.0	1.25	2.5	N35	M610512	80	0.34	epoxy
5.0	1.25	2.5	Sm26/16-17	M410512	300	0.39	roh
6.0	–	2.5	N35	M610602	80	0.52	epoxy
6.0	–	2.5	Sm26/16-17	M410602	300	0.59	roh
6.0	1.5	2.5	N35	M610612	80	0.49	epoxy
6.0	1.5	2.5	Sm26/16-17	M410612	300	0.56	roh
6.0	1.5	3.0	N35	M610613	80	0.59	epoxy
6.0	1.5	3.0	Sm26/16-17	M410613	300	0.67	roh
8.0	–	2.5	N35	M610802	80	0.93	epoxy
8.0	–	2.5	Sm26/16-17	M410802	300	1.06	roh

Andere Dimensionen, Materialqualitäten und Ausführungen auf Anfrage.

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