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Ferrite Magnet

NdFeB Magnet

SmCo Magnet

Alnico Magnet

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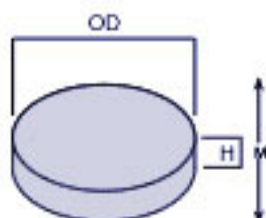
Specification of Magnets >> SmCo Magnet

SmCo Standard Products

Round Type | Ring Type | Bar Type | Square Type

Diametrically Magnetized Type | Segment C Type

Round Type



OD × H	Surface magnetic flux density		magnetic absorption
	kG	mT	kg
2 Φ × 2	2.8	280	0.08
3 Φ × 1	1.8	180	0.08
3 Φ × 1.5	2.0	200	0.1
3 Φ × 2	2.6	260	0.12
3 Φ × 3	2.8	280	0.15
3 Φ × 4	3.0	300	0.18
3.5 Φ × 2	2.6	260	0.16
3.9 Φ × 2.5	2.9	290	0.22
4 Φ × 0.8	1.5	150	0.1
4 Φ × 0.9	1.8	180	0.12
4 Φ × 1.5	2.0	200	0.13
4 Φ × 2	2.6	260	0.2
4 Φ × 3	3.0	300	0.24
4 Φ × 3.5	3.1	310	0.28
4 Φ × 4	3.3	330	0.32
4 Φ × 5	3.5	350	0.35
5 Φ × 1	1.8	180	0.14
5 Φ × 1.5	2.0	200	0.15
5 Φ × 2	2.5	250	0.26
5 Φ × 3	3.0	300	0.35
5 Φ × 4	3.2	320	0.43
5 Φ × 5	3.5	350	0.5
5.9 Φ × 3.5	3.0	300	0.37
6 Φ × 2	2.2	220	0.32
6 Φ × 3	2.6	260	0.36

OD × H	Surface magnetic flux density		magnetic absorption
	kG	mT	kg
7 Φ × 3	2.8	280	0.61
8 Φ × 2	2.4	240	0.6
8 Φ × 2.8	2.7	270	0.75
8 Φ × 5	3.0	300	1.2
1) 8 Φ × 5	3.0	300	1.2
8 Φ × 8	3.6	360	1.45
9 Φ × 2	1.8	180	0.5
9 Φ × 3	2.2	220	0.66
9.5 Φ × 1.5	1.5	150	0.4
9.5 Φ × 2	1.8	180	0.45
10 Φ × 2	1.8	180	0.65
10 Φ × 3	2.5	250	1.1
10 Φ × 3.5	2.7	270	1.2
10 Φ × 5	3.0	300	1.4
10 Φ × 6	3.5	350	1.6
10 Φ × 8	3.8	380	1.9
11 Φ × 1.5	1.6	160	0.8
12 Φ × 3	2.2	220	1.3
12 Φ × 8	3.8	380	3.2
12.5 Φ × 1.5	1.5	150	0.83
13.5 Φ × 10	4.2	420	4.2
15 Φ × 3	2.0	200	1.76
15 Φ × 5	3.0	300	3.25
15 Φ × 10	4.0	400	4.2

6 Φ × 4	3.1	310	0.4
6 Φ × 5	3.5	350	0.5
6 Φ × 6	3.6	360	0.55

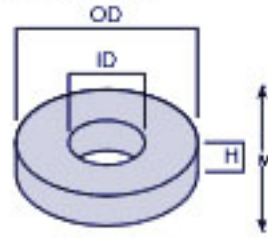
1) Ni plated

- The surface magnetic flux density and the magnetic absorption are values for reference

15.5 Φ × 3.9	2.4	240	2.5
17 Φ × 3	2.6	260	3.0
17.5 Φ × 3.5	2.7	270	3.1
17.5 Φ × 5	3.0	300	3.4
20 Φ × 5	2.5	250	4.0
25 Φ × 9	3.7	370	7.0

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Ring Type

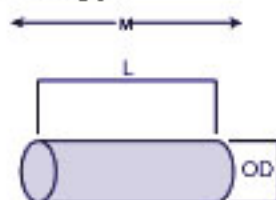


OD × ID × H	Surface magnetic flu× density		magnetic absorption kg
	kG	mT	
3 Φ × 1.8 Φ × 4	2.9	290	0.15
5 Φ × 3.2 Φ × 3	2.5	250	0.2
6.5 Φ × 2 Φ × 1.5	2.0	200	0.2
6.5 Φ × 2 Φ × 2	2.2	220	0.25
8 Φ × 0.6 Φ × 1.5	1.8	180	0.35
9.5 Φ × 2.2 Φ × 1.4	1.5	150	0.26
10.5 Φ × 7.6 Φ × 1	1.1	110	0.3
13.2 Φ × 3 Φ × 1.5	1.5	150	1.0
14 Φ × 4 Φ × 3	2.5	250	1.4
14 Φ × 9 Φ × 8	3.3	330	2.6
16 Φ × 5 Φ × 3	2.0	200	1.46

- The surface magnetic flux density and the magnetic absorption are values for reference

OD × ID × H	Surface magnetic flu× density		magnetic absorption kg
	kG	mT	
17 Φ × 5 Φ × 2	1.8	180	1.48
17 Φ × 5 Φ × 5	2.5	250	2.4
19 Φ × 5.5 Φ × 2	1.8	180	1.9
20 Φ × 7 Φ × 4	2.5	250	2.9
30 Φ × 5 Φ × 5	2.5	250	7.0
30 Φ × 15.5 Φ × 5	2.5	250	5.7
36 Φ × 28 Φ × 5	2.4	240	6.3
40 Φ × 17.5 Φ × 3	2.0	200	7.1
46 Φ × 33 Φ × 2	2.0	200	6.2
60 Φ × 32 Φ × 7	3.0	300	29.0
64 Φ × 47 Φ × 15	3.5	350	35.0

Bar Type



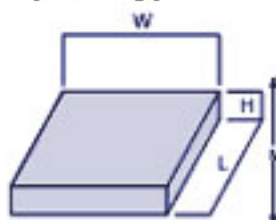
OD × L	Surface magnetic flux density		magnetic absorption kg
	kG	mT	
2.5 Φ × 5	3.7	370	0.2
3 Φ × 5	3.7	370	0.26
3 Φ × 9	3.2	320	0.35
3.5 Φ × 6	4.0	400	0.32
4 Φ × 8.5	3.5	350	0.44
5 Φ × 10	4.0	400	0.6
5 Φ × 13	4.2	420	0.7

OD × L	Surface magnetic flux density		magnetic absorption kg
	kG	mT	
5 Φ × 25	3.3	330	1.7
6 Φ × 8	3.7	370	0.7
6 Φ × 9.5	4.0	400	0.8
7 Φ × 8	3.8	380	1.3
8 Φ × 10	3.8	380	1.8
22.5 Φ × 25	4.2	420	12

■ The surface magnetic flux density and the magnetic absorption are values for reference

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Square Type



L × W × H	Surface magnetic flux density		magnetic absorption kg
	kG	mT	
1) 1.2 × 1.2 × 2	1.8	180	0.05
1) 3 × 2 × 0.7	1.2	120	0.08
4 × 4 × 2	2.5	250	0.25
6 × 6 × 1.5	2.3	230	0.4
6 × 6 × 2	2.5	250	0.44
9 × 2.5 × 3.9	3.0	300	0.47
10 × 6.5 × 4	3.2	320	0.83
11 × 7 × 8	3.5	350	1.86
12 × 7 × 3	2.6	260	1.1

L × W × H	Surface magnetic flux density		magnetic absorption kg
	kG	mT	
20 × 12 × 5	3.0	300	4.4
20 × 15 × 5	2.6	260	4.3
20 × 20 × 10	3.0	300	7.2
25 × 15 × 1.5	1.2	120	1.3
25 × 15 × 3	1.7	170	2.4
26 × 8 × 4	2.8	280	2.6
30 × 16 × 5	2.5	250	6.8
38 × 38 × 18	3.2	320	32
38 × 38 ×			

12 × 7 × 3	2.6	260	1.1
14 × 2 × 1	1.4	140	0.21
14.5 × 10 × 4.5	2.8	280	2.5
15 × 5 × 3	2.6	260	1.1
15 × 10 × 4	2.8	280	2.4
15 × 10 × 5	3.0	300	2.5
20 × 5 × 12	3.6	360	2.2
20 × 10 × 5	3.0	300	4

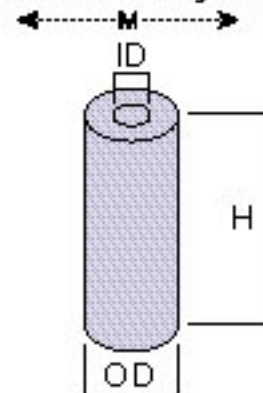
38 × 38 × 24.5	3.8	380	43
50 × 30 × 12	3.5	350	40
58 × 14 × 6	2.7	270	12
60 × 60 × 12	3.3	330	50
77 × 32 × 24	3.7	370	56

1) Ni plated

- The surface magnetic flux density and the magnetic absorption are values for reference.

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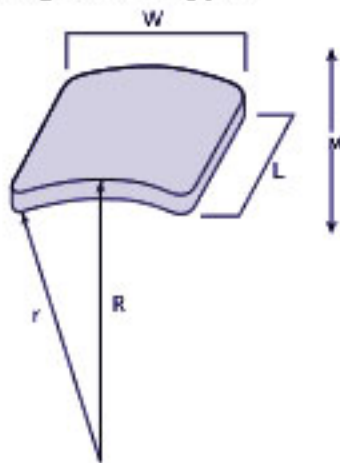
Diametrically Magnetized Type



OD × H [ID]	Surface magnetic flux density	
	kg	mT
1.5Φ × 0.37 (0.4Φ)	1.5	150
2Φ × 9	2.4	240
4.4Φ × 8.3 (2.4Φ)	2.0	200

- The surface magnetic flux density and the magnetic absorption are values for reference

Segment C Type



$R \times r \times W \times L$

$56 \times 50 \times 30 \times 29$

- The surface magnetic flux density and the magnetic absorption are values for reference

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