



13 Ferrite Magnets

All purpose ceramic based magnets

- Popular material for composite magnetic systems, edges can splinter
- Low weight, easy in handling, ceramic
- Insensitive on environmental impact
- Observe Temperature coefficient, lose holding force when the temperature increases by 0.2 % / ° C
- electrically insulating

HF



Disk magnets



Parallelepiped magnets



Ring magnets

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Your enquiry*

*Your enquiry

Size / shape / material / magnetization /
after drawing...

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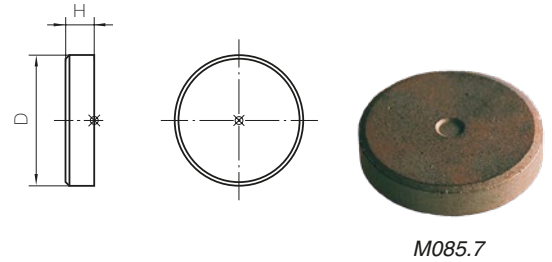
Disk magnets, Ferrite


Execution: multi-poled, one-side magnet.

- 1) = raw, pressed
- 2) = magnetised on-axis 2-poled
- 3) = Height ground, $\pm 0.1\text{mm}$

Temperature: max. 200°C

Values: (10 N = ~1kg)



Dimensions $\pm 4\%$		Material	Stock no.	Lift	Weight	Execution
D mm	H mm		 N	N	g	
8.0	4.0	HF 24/16	M080.7	0.6	1.1	3)
10.0	5.0	HF 8/22	M163.7	0.4	2.0	1)
11.0	2.8	HF 8/22	M161.7	1.2	1.3	1)
14.0	4.0	HF 8/22	M082.7	2.0	3.6	1)
17.5	4.0	HF 8/22	M083.7	3.0	4.6	1)
20.0	3.0	HF 8/22	M086.7	3.0	4.1	1)
20.0	5.0	HF 8/22	M084.7	4.5	7.5	1)
25.0	3.0	HF 8/22	M162.7	5.0	6.7	1)
25.0	5.0	HF 8/22	M085.7	7.0	11.8	1)
25.0	8.0	HF 8/22	M164.7	8.0	18.0	1)
30.0	6.0	HF 24/16	M152.7	12.6	19.8	2) 3)
34.0	5.0	HF 8/22	M153.7	12.0	23.0	1)

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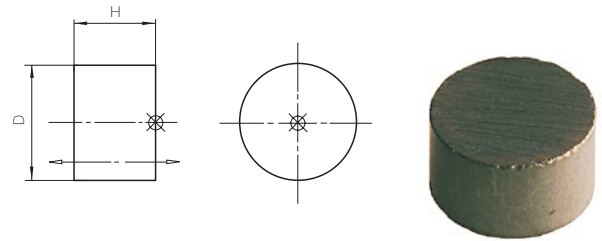
Disk magnets, Ferrite

Execution: magnetised on-axis


- 1) = raw, pressed
- 2) = Height ground, $\pm 0.1\text{mm}$
- 3) = Diameter and Height ground, $\pm 0.1\text{mm}$

Temperature: max. 200°C

Values: (10 N = ~1kg)



M159.8

Dimensions $\pm 4\%$		Material	Stock no.	Lift	Weight	Execution
D mm	H mm		 N	N	g	
4.5	2.0	HF 24/23	M170.8	0.4	0.15	3)
5.0	5.0	HF 8/22	M095.8	0.1	0.45	1)
8.0	4.0	HF 24/16	M171.8	1.2	1.00	2)
10.0	3.0	HF 8/22	M166.8	0.3	1.00	1)
10.0	4.0	HF 24/16	M081.8	1.9	1.50	3)
10.2	5.0	HF 24/16	M172.8	2.1	2.20	1)
10.0	7.0	HF 24/16	M123.8	2.6	2.70	1)
12.0	6.0	HF 24/16	M094.8	3.0	3.40	2)
13.6	8.0	HF 24/16	M159.8	4.8	6.00	2)
20.0	6.0	HF 24/23	M128.8	6.2	9.10	2)
25.0	6.0	HF 24/23	M151.8	5.0	13.90	2)
29.5	7.2	HF 26/24	M090.8	14.0	24.20	2)
45.0	9.0	HF 24/23	M160.8	21.0	67.50	2)

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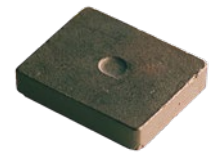
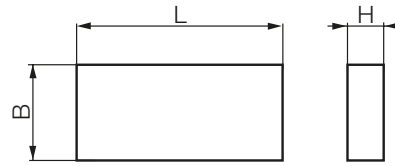




Parallelepiped Magnets, Ferrite


Execution: magnetised multi-poled

- 1) =pressed, one-sided L/B magnetized
- 2) =Height ground, one-sided L/B magnetized, $\pm 0.1\text{mm}$
- 3) =2-poles magnetised lateral through thickness H, Height ground, $\pm 0.1\text{mm}$
- 4) =2-poles, magnetised longitudinal through thickness H, Height ground, $\pm 0.1\text{mm}$



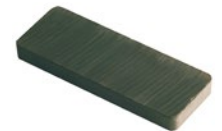
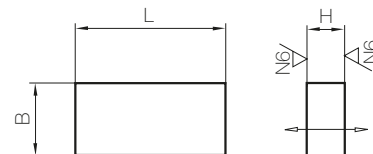
M126.7

Temperature: max. 200°C Values: (10 N = ~1kg)

Dimensions $\pm 4\%$			Material	Stock no. 	Lift N	Weight g	Execution
L mm	B mm	H mm					
18.0	10.0	5.0	HF 8/22	M125.7	3.0	4.5	1)
19.5	4.5	3.5	HF 8/22	M087.7	1.0	1.3	1)
24.8	20.0	5.0	HF 8/22	M126.7	7.5	12.0	2)
30.0	15.0	5.0	HF 8/22	M127.7	6.0	11.0	1)
32.0	13.8	5.0	HF 28/26	M120.7	15.0	11.0	3), without indentation
50.0	19.5	5.0	HF 24/23	M088.7	28.0	21.0	4), without indentation


Execution: Magnetised through thickness H

- 1) = raw, pressed
- 2) = Height ground, $\pm 0.1\text{mm}$



M088.8

Temperature: max. 200°C Values: (10 N = ~1kg)

Dimensions $\pm 4\%$			Material	Stock no. 	Lift N	Weight g	Execution
L mm	B mm	H mm					
12.0	7.0	3.0	HF 24/16	M173.8	2.5	2	2)
12.0	10.0	4.9	HF 24/23	M102.8	3.4	3	2)
15.5	10.2	6.1	HF 28/26	M169.8	5.0	5	2)
20.0	10.0	5.0	HF 24/23	M125.8	4.0	5	1)
24.0	12.0	10.0	HF 24/16	M174.8	7.5	13	2)
30.0	29.0	15.0	HF 24/23	M129.8	28.0	61	2)
40.0	20.0	10.0	HF 24/23	M103.8	20.0	40	2)
40.0	25.0	10.0	HF 24/23	M112.8	20.5	47	2)
50.0	19.0	5.0	HF 24/23	M088.8	11.0	21	2)
75.0	50.0	20.0	HF 28/26	M124.8	77.0	360	2)
150.0	76.0	15.9	HF 24/23	M089.8	140.0	900	2)

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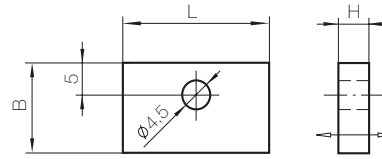



Parallelepiped Magnets, Ferrite

Execution: pressed, magnetised through thickness H
to be used as sandwich magnets
with pole plates MT 329

Temperature: max. 200°C

Values: (10 N = ~1kg)




Dimensions ±4%			Material	Stock no.	Lift	Weight
L mm	B mm	H mm			N	g
24.0	14.0	5.0	HF 8/22	M119.8	1.6	8

Pole Plate

Material: Soft iron galvanized (non-magnetic)



Dimensions			Material	Stock no.	Lift	Weight
L mm	B mm	H mm			N	g
24.0	15.0	0.7	Fe, Zn	MT329	–	2

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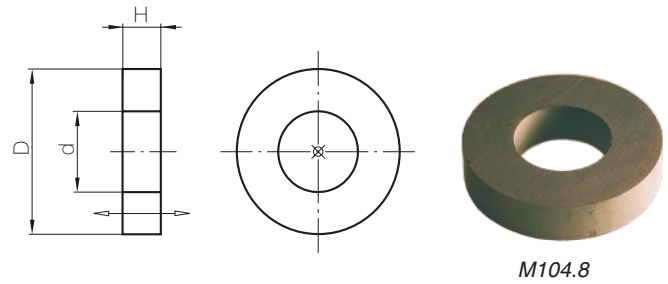
Ring Magnets, Ferrite


Execution: magnetised on-axis

- 1) = raw
- 2) = Height ground, $\pm 0.1\text{mm}$

Temperature: max. 200°C

Values: (10 N = ~1kg)



Dimensions mm			Material	Stock no.	Lift	Weight	Execution
$\pm 4\%$							
D	d	H			N	g	
10.0	5.0	2.0	HF 24/16	M242.8	1.1	0.6	2)
12.0	6.0	3.0	HF 24/16	M243.8	1.5	1.2	2)
15.0	6.0	4.0	HF 24/16	M244.8	3.6	2.9	2)
18.0	8.0	4.0	HF 24/16	M245.8	3.9	3.8	2)
20.0	10.0	4.0	HF 24/16	M246.8	5.1	4.7	2)
25.0	12.0	4.0	HF 24/16	M247.8	5.3	7.1	2)
28.0	10.0	12.2	HF 24/16	M189.8	14.5	35.0	1)
28.0	14.0	6.0	HF 24/16	M248.8	8.7	13.0	2)
34.5	17.2	8.0	HF 22/15	M093.8	11.0	26.0	1)
45.0	22.0	10.5	HF 28/16	M104.8	25.0	61.0	2)
60.0	24.0	8.0	HF 28/15	M105.8	20.0	95.0	2)
60.0	32.0	7.0	HF 24/16	M168.8	36.0	70.0	2)
72.0	32.0	15.0	HF 24/16	M107.8	52.0	250.0	2)
80.0	40.0	10.0	HF 22/15	M108.8	55.0	185.0	2)
85.0	33.0	15.0	HF 26/15	M122.8	72.0	301.0	2)
102.0	51.0	14.0	HF 22/15	M114.8	80.0	430.0	2)

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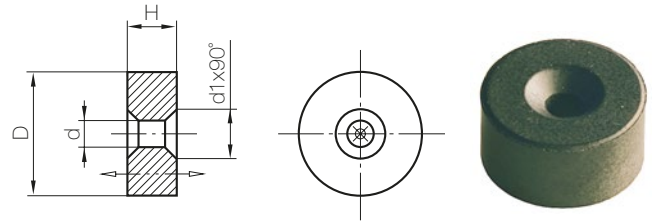


Ring Magnets, Ferrite

Execution: raw, South face marked «S»
magnetised on-axis

Temperature: max. 200°C

Values: (10 N = ~1kg)

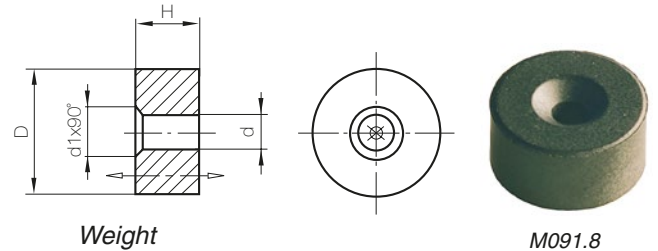


Dimensions ±4%	mm			Material	Stock no.	Lift	Weight
D	d	d1	H			N	g
20.0	4.3	8.0	10.0	HF 24/23	M187.8	7	15

Execution: raw, magnetised on-axis

Temperature: max. 200°C

Values: (10 N = ~1kg)



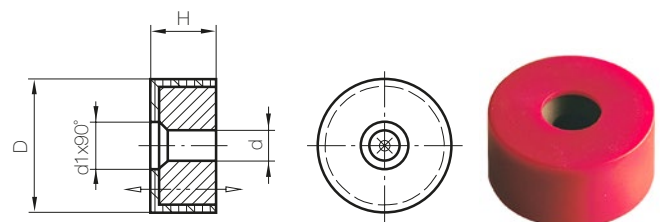
Dimensions ±4%	mm			Material	Stock no.	Lift	Weight
D	d	d1	H			N	g
18.3	4.3	8.0	10.0	HF 24/16	M091.8	6.5	14
* 20.0	5.2	8.0	10.0	HF 24/16	M188.8	8.8	15

M091.8

* sharp-edged

Execution: with plastic cap (PS), magnetised on-axis
red = north pole counterbored side
blue = south pole, counterbored side

Temperature: max. 80°C



M188 ROT

Dimensions ±4%	mm			Material	Stock no.	Weight
D	d	d1	H			g
22.5	5.2	8.0	11.0	HF 24/16	M188 ROT	15.5
22.5	5.2	8.0	11.0	HF 24/16	M188 BLAU	15.5

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