



14 AINiCo Magnets

Instrumentation grade magnets and magnet systems

- Magnetically very stable at all temperatures
- Cast metal alloy structure, pole surfaces grinded
- Corrosion resistant
- Easy to magnetize
- Observe demagnetization

AINiCo



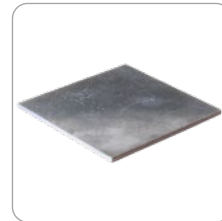
Round bar magnets



Parallelepiped magnets



Cylindrical magnets



Hysteresis-plate



Button magnets



Bridge magnets



U-shaped magnets



U-shaped magnets



Your enquiry*

*Your enquiry

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

Technical informations



Round bar magnets, AINiCo

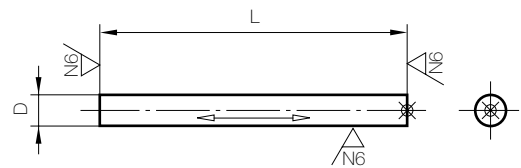
Material: **AINiCo 40/5**

Temperature: max. 500°C

Execution: ground, magnetised on-axis

Other lengths on request.

Dimensions ±0.1mm		Stock no. ✉	Weight g	Lift front N
D	L			
3.0	7.0	M062.2	0.3	0.5
3.0	11.0	M311.2	0.3	0.8
3.0	15.0	M057.2	0.4	1.2
3.0	30.0	M051.2	1.6	1.0
4.0	15.0	M058.2	1.5	2.5
4.0	40.0	M052.2	4.8	3.2
5.0	20.0	M060.2	3.0	4.0
6.0	20.0	M061.2	4.5	5.5
8.0	25.0	M063.2	9.0	8.0
10.0	30.0	M064.2	17.0	11.0
12.0	40.0	M065.2	33.0	18.0
19.0	75.0	MM1975	191.0	66.0



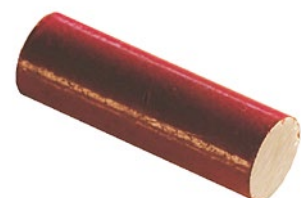
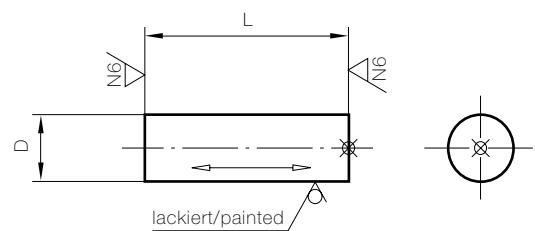
M065.2

Material: **AINiCo 40/5**

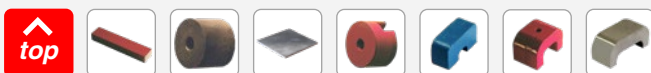
Temperature: max. 500°C

Execution: red varnished, Pole surface ground, magnetised on-axis

Dimensions ±0.1mm		Stock no. ✉	Weight g	Lift front N
D	L			
6.0	20.0	M025.5	5	5.5
8.0	25.0	M026.5	10	8.0



M026.5



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Technical
informations

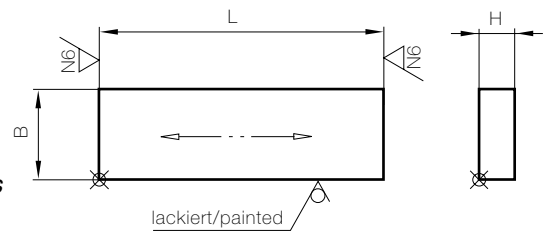


Parallelepiped magnets, AINiCo

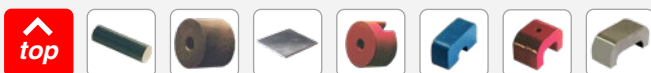
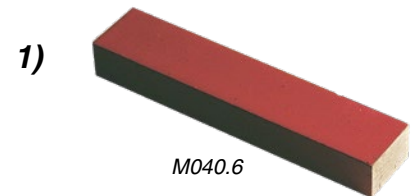
Material: **AINiCo 40/5**

Temperature: max. 500°C

Execution: 1) = red varnished, Pole surface ground, magnetised on-axis
2) = raw, Pole surface ground, magnetised on-axis



Dimensions ±0.1mm			Stock no.	Weight g	Lift front N	Execution
B	H	L				
10.0	5.0	20	M028.5	8.0	6.0	1)
10.0	10.0	40	M071.2	30.0	18.0	2)
11.0	3.0	25	M032.2	6.0	5.0	2)
11.0	5.0	28	M059.2	11.0	10.0	2)
12.5	5.0	40	M029.5	19.0	15.0	1)
15.0	5.0	60	M030.5	32.0	20.0	1)
15.0	10.0	50	M039.6	52.0	14.0	1)
15.5	10.0	75	M040.6	81.0	14.0	1)



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Technical
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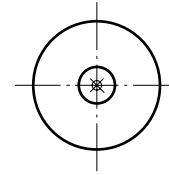
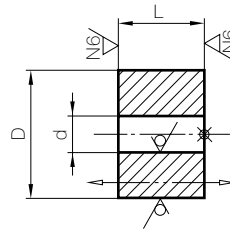


Cylindrical magnets, AINiCo

Temperature: max. 500°C

Execution: raw, non-magnetic

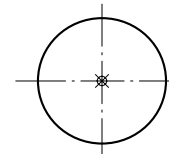
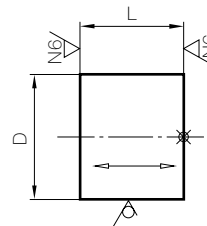
Dimensions ±0.1mm			Stock no.	Weight	Material
D	d	L		g	
12.0	4.0	10.0	M115.1	7	AINiCo 40/5
19.0	5.5	9.5	M010.1	19	AINiCo 40/5
23.0	6.0	14.0	M113.1	38	AINiCo 40/5
26.0	8.0	15.9	M000.1	55	AINiCo 40/5
28.0	8.0	19.0	M001.1	75	AINiCo 40/5
30.0	8.0	22.2	M002.1	109	AINiCo 40/5
32.5	8.0	25.4	M003.1	140	AINiCo 40/5
35.0	9.0	28.6	M004.1	182	AINiCo 40/5
60.0	12.7	24.0	M054.1	476	AINiCo 40/5



M000.1

Caution: these magnets can only be used for system building.
When delivered they are non-magnetic. Magnetisation after assembling.

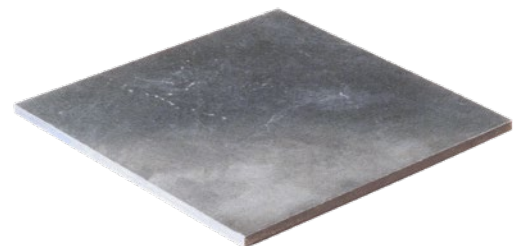
Dimensions ±0.1mm		Stock no.	Weight	Material
D	L		g	
17.5	10.9	M056.1	19	AINiCo 40/5
31.0	25.0	M053.1	140	AINiCo 40/5
31.75	25.4	M055.1	148	AINiCo 40/5



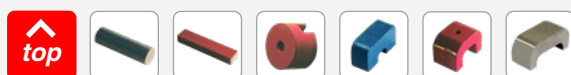
M053.1

Hysteresis-plate, AINiCo

Dimensions mm			Stock no.
L	B	H	
100.0	100.0	3.0	30075



Remanence Br T	Coercive force HcB kA/m	Max.spec.energy (BH) max. kJ/m ³	Density g/cm ³
0.85	11.90	5.15	7.3



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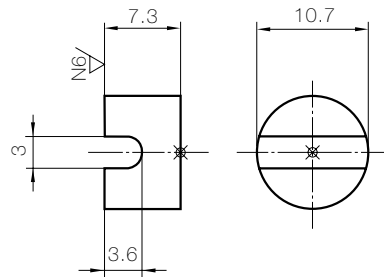
Technical
informations



Button magnets, AINiCo

Material: **AINiCo 13/5**

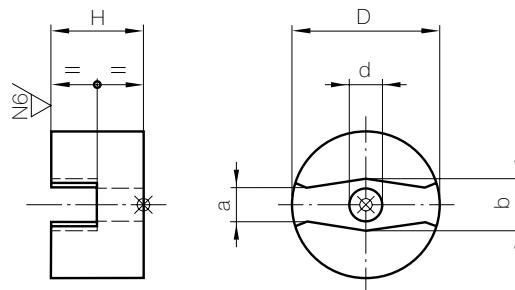
Temperature: max. 450°C



Dimensions ±0.1mm		Stock no.	Weight	Lift	Colour
D	H		g	N	
10.7	7.3	M017.5	3	5	red

Material: **AINiCo 37/5**

Temperature: max. 450°C



M037.6

Dimensions ±0.1mm					Stock no.	Weight	Lift	Colour
D	H	a	b	d		g	N	
12.5	9.5	4.5	7.2	4.5	M035.6	6	7	red
19.0	12.9	5.5	9.0	4.8	M036.6	20	12	red
19.0	12.9	5.5	9.0	4.8	M036.2	20	12	raw uncoated
25.4	15.9	5.9	9.0	5.7	M037.6	45	29	red
31.8	25.4	8.0	13.3	7.0	M038.6	104	66	red



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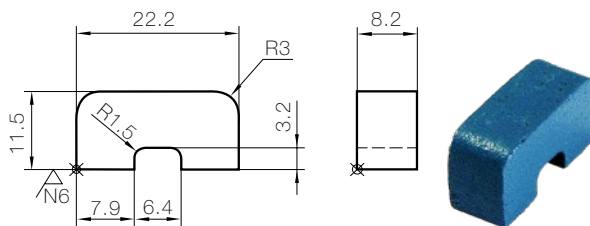
Technical
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Bridge magnets, AINiCo

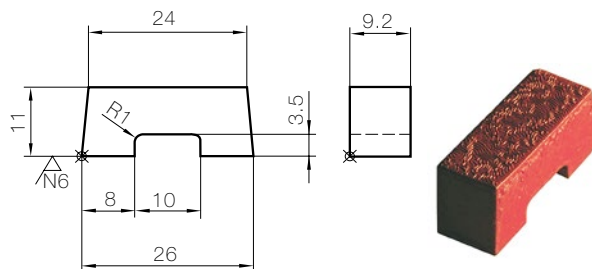
Temperature: max. 450°C

Material	Stock no.	Weight	Lift	Colour
		g	N	
AINiCo 40/5	M110.6	13	20	blue



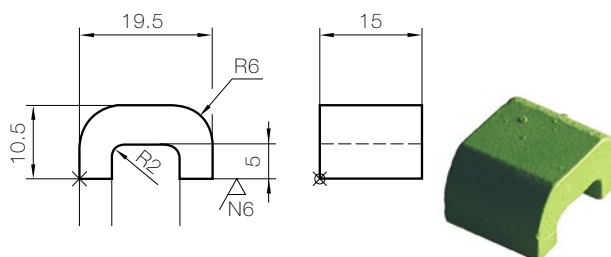
Temperature: max. 500°C

Material	Stock no.	Weight	Lift	Colour
		g	N	
AINiCo 40/5	M190	16	23	red



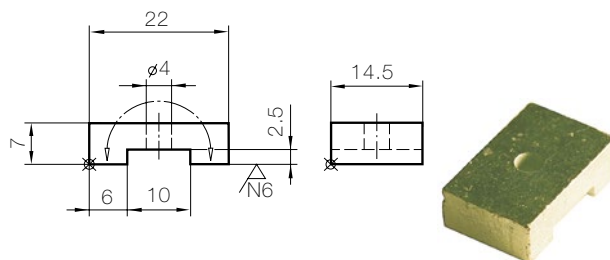
Temperature: max. 500°C

Material	Stock no.	Weight	Lift	Colour
		g	N	
AINiCo 40/5	M191	15	16	green



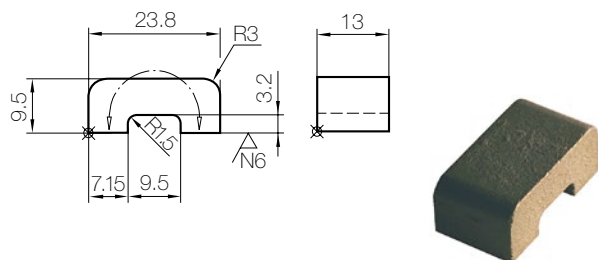
Temperature: max. 500°C

Material	Stock no.	Weight	Lift	Colour
		g	N	
AINiCo 40/5	M109.5	13	21	blue zinc coated



Temperature: max. 500°C

Material	Stock no.	Weight	Lift	Colour
		g	N	
AINiCo 40/5	M111.2	18	25	raw



Your enquiry*

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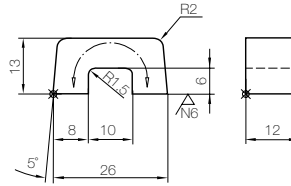
Technical
informations



Bridge magnets, AINiCo

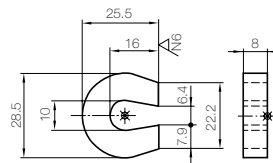
Temperature: max. 500°C

Material	Stock no.	Weight	Lift	Colour
		g	N	
AINiCo 37/5	M073.2	22	39	raw



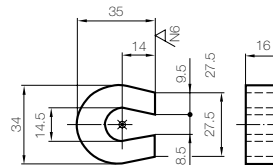
Temperature: max. 500°C

Material	Stock no.	Weight	Lift	Colour
		g	N	
AINiCo 40/5	M024.6	28	20	red



Temperature: max. 450°C

Material	Stock no.	Weight	Lift	Colour
		g	N	
AINiCo 37/5	M008.6	78	36	red



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Technical
informations

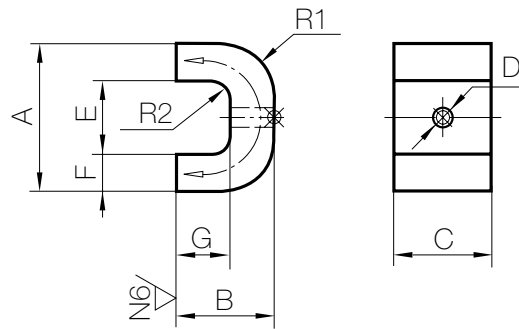


U-shaped magnets, AINiCo

Material: **AINiCo 40/5**

Temperature: max. 500°C

Execution: red



M020.6

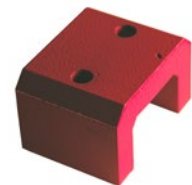
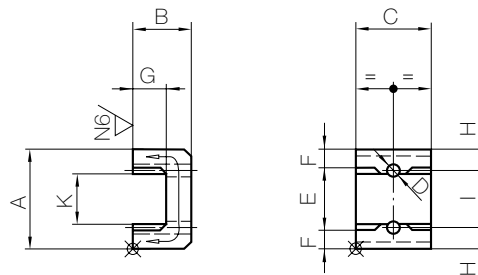
Dimensions
±0.1mm

A	B	C	D	E	F	G	R1	R2	Stock no.	Weight	Lift
										g	N
30.0	20.0	20.0	5.0	15.0	7.5	11.0	11.0	4.0	M018.6	57	45
40.0	25.0	25.0	5.5	20.0	10.0	14.0	12.0	5.0	M019.6	115	90
45.0	30.0	30.0	6.0	23.0	11.0	17.0	14.0	6.0	M020.6	188	120

Material: **AINiCo 40/5**

Temperature: max. 500°C

Execution: red



M013.6

Dimensions
±0.1mm

A	B	C	D	E	F	G	H	I	K	Stock no.	Weight	Lift
											g	N
57.0	35.0	45.0	8.0	35.0	11.0	23.0	12.6	31.8	27.8	M013.6	358	230
70.0	41.0	57.0	8.0	41.0	14.5	26.0	16.0	38.0	34.8	M014.6	710	320



Your enquiry*

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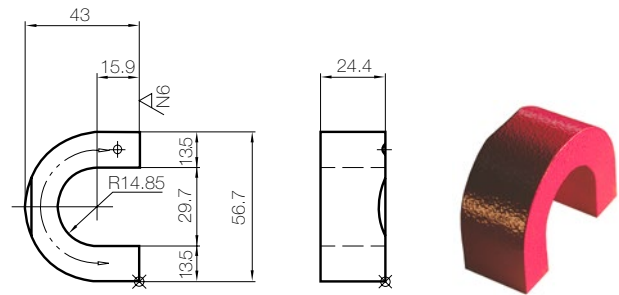
Technical
informations



U-shaped magnets, AlNiCo

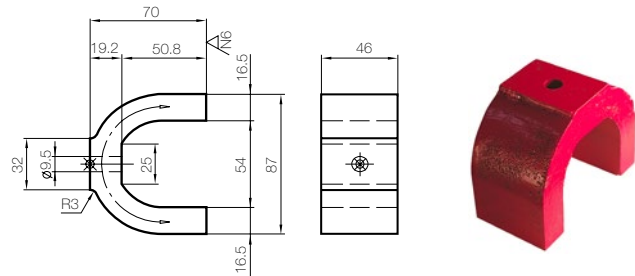
Temperature: max. 500°C

Material	Stock no.	Weight	Lift	Colour
		g	N	
AlNiCo 40/5	M007.6	220	150	red



Temperature: max. 500°C

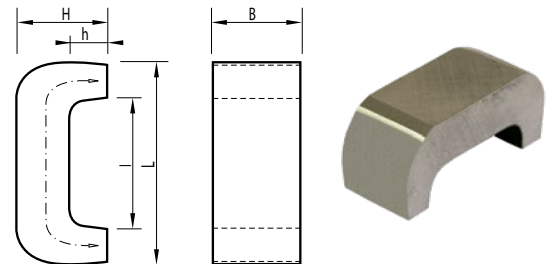
Material	Stock no.	Weight	Lift	Colour
		g	N	
AlNiCo 40/5	M006.6	877	360	red



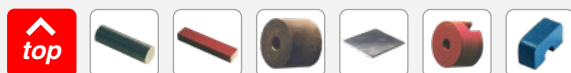
U-shaped magnets

Temperature: max. 500°C

Execution: ground pole surface, raw



Abmessung ±0.1mm					Material	Stock no.	Weight	Lift
L	B	H	l	h			g	N
38	15	16	25	7	AlNiCo 40/5	M230.6	42	50
52	15	16	30	4	AlNiCo 40/5	M231.6	72	70
55	18	26	31	14	AlNiCo 40/5	M232.6	135	100



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Technical
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