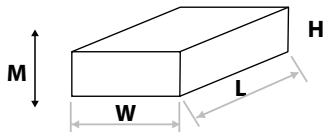
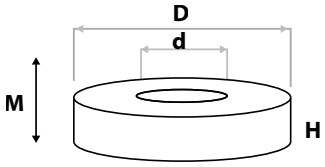
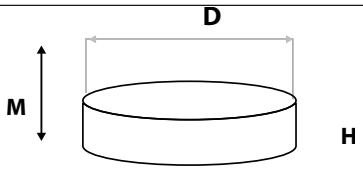
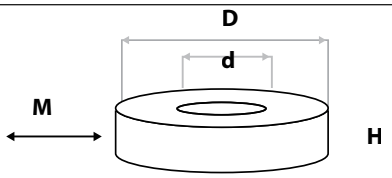
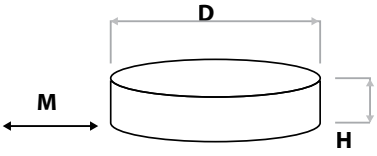
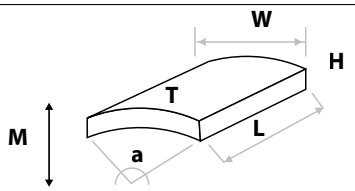
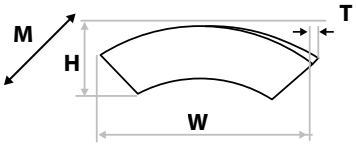
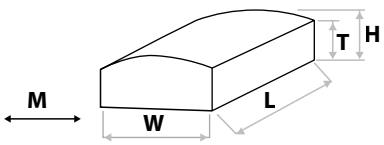
Sintered NdFeB Magnet Size Scope:

Shape	Schematic diagram	Dimension range	Economiic dimention range
Block		L≤ 200mm W≤ 80mm L/W≤20 L/H≤20 H≤80mm	L≤ 100mm W≤ 40mm L/W≤5 L/H≤5 H≤40mm
Axial Ring		D≤ 150mm d≥ 1mm (D-d)/2≥ 1.4mm d/D≤ 0.8 D/35≤ H≤ 1.5*D H≤ 60mm	D≤ 100mm d≥ 2mm (D-d)/2≥ 2 mm d/D≤ 0.6 D/15≤ H≤ D H≤ 40mm
Disc		D≤ 150mm H≤ 60mm D/H≤20	D≤ 100mm H≤ 40mm D/H≤15
Diameter Ring		D≤ 80mm d≥ 1mm (D-d)/2≥ 1.4mm d/D≤ 0.8 D/35≤ H≤ 1.5*D H≤ 60mm	D≤ 50mm d≥ 2mm (D-d)/2≥ 2mm d/D≤ 0.6 D/15≤ H≤ 1.5*D H≤ 40mm
Diameter Disc		D≤ 150mm H≤ 60mm D/H≤20	D≤ 100mm H≤ 40mm D/H≤15
Slope		L≤ 200mm W≤ 80mm L/W≤20 L/H≤20 H≤80mm	L≤ 100mm W≤ 40mm L/W≤5 L/H≤5 H≤40mm
Segment		L≤ 200mm W≤ 80mm H≤ 80mm 1.5mm≤T ≤ 60mm L/W≤ 10 L/H ≤ 10 α≤ 180	L≤ 100mm W≤ 40mm H≤ 40mm 2mm≤T ≤ 40mm L/W≤ 5 L/H ≤ 5 α≤ 90
Segment		W≤ 150mm H≤ 80mm 1mm≤ T≤ 60mm W/H≤5 W/T≤ 30	W≤ 50mm H≤ 40mm 1mm≤ T≤ 60mm W/H≤3 W/T≤ 20

MAGHOLD
FACTORY DIRECT MAGNETS FOR LESS

Sintered NdFeB
Magnetic Properties

Date:2019

Grade	Magnetic performance								Temperature coefficient (typical value)		
	B_r		H_{cJ}		H_{cB}		$(BH)_{max}$		Temperature range	$\alpha(B_r)$	$\beta(H_{cJ})$
	T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	°C	%/°C	%/°C
N35	1.18 ~ 1.24	11.8 ~ 12.4	≥ 955	≥ 12	≥ 860	≥ 10.8	263 ~ 295	33 ~ 37	20~80	-0.105	-0.75
N38	1.23 ~ 1.28	12.3 ~ 12.8	≥ 955	≥ 12	≥ 899	≥ 11.3	287 ~ 310	36 ~ 39			
N40	1.26 ~ 1.31	12.6 ~ 13.1	≥ 955	≥ 12	≥ 915	≥ 11.5	302 ~ 326	38 ~ 41			
N42	1.29 ~ 1.34	12.9 ~ 13.4	≥ 955	≥ 12	≥ 915	≥ 11.5	318 ~ 350	40 ~ 44			
N45	1.33 ~ 1.38	13.3 ~ 13.8	≥ 955	≥ 12	≥ 915	≥ 11.5	342 ~ 366	43 ~ 46			
N48	1.37 ~ 1.41	13.7 ~ 14.1	≥ 955	≥ 12	≥ 915	≥ 11.5	358 ~ 382	45 ~ 48			
N50	1.39 ~ 1.43	13.9 ~ 14.3	≥ 955	≥ 12	≥ 915	≥ 11.5	374 ~ 398	47 ~ 50			
N52	1.42 ~ 1.47	14.2 ~ 14.7	≥ 955	≥ 12	≥ 915	≥ 11.5	390 ~ 414	49 ~ 52			
N54	1.45 ~ 1.50	14.5 ~ 15.0	≥ 876	≥ 11	≥ 836	≥ 10.5	406 ~ 430	51 ~ 54			
35M	1.18 ~ 1.24	11.8 ~ 12.4	≥ 1114	≥ 14	≥ 868	≥ 10.9	263 ~ 295	33 ~ 37	20~100	-0.105	-0.70
38M	1.23 ~ 1.28	12.3 ~ 12.8	≥ 1114	≥ 14	≥ 907	≥ 11.4	287 ~ 310	36 ~ 39			
40M	1.26 ~ 1.31	12.6 ~ 13.1	≥ 1114	≥ 14	≥ 931	≥ 11.7	302 ~ 326	38 ~ 41			
42M	1.29 ~ 1.34	12.9 ~ 13.4	≥ 1114	≥ 14	≥ 955	≥ 12.0	318 ~ 350	40 ~ 44			
45M	1.33 ~ 1.38	13.3 ~ 13.8	≥ 1114	≥ 14	≥ 987	≥ 12.4	342 ~ 366	43 ~ 46			
48M	1.37 ~ 1.41	13.7 ~ 14.1	≥ 1114	≥ 14	≥ 1019	≥ 12.8	358 ~ 382	45 ~ 48			
50M	1.39 ~ 1.43	13.9 ~ 14.3	≥ 1114	≥ 14	≥ 1035	≥ 13.0	374 ~ 398	47 ~ 50			
52M	1.42 ~ 1.47	14.2 ~ 14.7	≥ 1114	≥ 14	≥ 1059	≥ 13.3	390 ~ 414	49 ~ 52			
35H	1.18 ~ 1.24	11.8 ~ 12.4	≥ 1353	≥ 17	≥ 876	≥ 11.0	263 ~ 295	33 ~ 37	20~120	-0.105	-0.60
38H	1.23 ~ 1.28	12.3 ~ 12.8	≥ 1353	≥ 17	≥ 915	≥ 11.5	287 ~ 310	36 ~ 39			
40H	1.26 ~ 1.31	12.6 ~ 13.1	≥ 1353	≥ 17	≥ 939	≥ 11.8	302 ~ 326	38 ~ 41			
42H	1.29 ~ 1.34	12.9 ~ 13.4	≥ 1353	≥ 17	≥ 963	≥ 12.1	318 ~ 350	40 ~ 44			
45H	1.33 ~ 1.38	13.3 ~ 13.8	≥ 1353	≥ 17	≥ 995	≥ 12.5	342 ~ 366	43 ~ 46			
48H	1.37 ~ 1.41	13.7 ~ 14.1	≥ 1274	≥ 16	≥ 1027	≥ 12.9	358 ~ 382	45 ~ 48			
50H	1.39 ~ 1.43	13.9 ~ 14.3	≥ 1274	≥ 16	≥ 1043	≥ 13.1	374 ~ 398	47 ~ 50			
35SH	1.18 ~ 1.24	11.8 ~ 12.4	≥ 1592	≥ 20	≥ 884	≥ 11.1	263 ~ 295	33 ~ 37	20~150	-0.110	-0.55
38SH	1.23 ~ 1.28	12.3 ~ 12.8	≥ 1592	≥ 20	≥ 923	≥ 11.6	287 ~ 310	36 ~ 39			
40SH	1.26 ~ 1.31	12.6 ~ 13.1	≥ 1592	≥ 20	≥ 947	≥ 11.9	302 ~ 326	38 ~ 41			
42SH	1.29 ~ 1.34	12.9 ~ 13.4	≥ 1592	≥ 20	≥ 971	≥ 12.2	318 ~ 350	40 ~ 44			
45SH	1.33 ~ 1.38	13.3 ~ 13.8	≥ 1592	≥ 20	≥ 1003	≥ 12.6	342 ~ 366	43 ~ 46			
48SH	1.37 ~ 1.41	13.7 ~ 14.1	≥ 1592	≥ 20	≥ 1035	≥ 13.0	358 ~ 382	45 ~ 48			
30UH	1.08 ~ 1.15	10.8 ~ 11.5	≥ 1990	≥ 25	≥ 812	≥ 10.2	223 ~ 255	28 ~ 32	20~180	-0.110	-0.50
33UH	1.14 ~ 1.19	11.4 ~ 11.9	≥ 1990	≥ 25	≥ 860	≥ 10.8	247 ~ 271	31 ~ 34			
35UH	1.18 ~ 1.24	11.8 ~ 12.4	≥ 1990	≥ 25	≥ 892	≥ 11.2	263 ~ 295	33 ~ 37			
38UH	1.23 ~ 1.28	12.3 ~ 12.8	≥ 1990	≥ 25	≥ 931	≥ 11.7	287 ~ 310	36 ~ 39			
40UH	1.26 ~ 1.31	12.6 ~ 13.1	≥ 1990	≥ 25	≥ 955	≥ 12.0	302 ~ 326	38 ~ 41			
42UH	1.29 ~ 1.34	12.9 ~ 13.4	≥ 1990	≥ 25	≥ 979	≥ 12.3	318 ~ 350	40 ~ 44			
45UH	1.33 ~ 1.38	13.3 ~ 13.8	≥ 1990	≥ 25	≥ 1011	≥ 12.7	342 ~ 366	43 ~ 46			
30EH	1.08 ~ 1.15	10.8 ~ 11.5	≥ 2388	≥ 30	≥ 820	≥ 10.3	223 ~ 255	28 ~ 32	20~200	-0.115	-0.45
33EH	1.14 ~ 1.19	11.4 ~ 11.9	≥ 2388	≥ 30	≥ 868	≥ 10.9	247 ~ 271	31 ~ 34			
35EH	1.18 ~ 1.24	11.8 ~ 12.4	≥ 2388	≥ 30	≥ 899	≥ 11.3	263 ~ 295	33 ~ 37			
38EH	1.22 ~ 1.26	12.2 ~ 12.6	≥ 2388	≥ 30	≥ 931	≥ 11.7	287 ~ 310	36 ~ 39			
40EH	1.25 ~ 1.29	12.5 ~ 12.9	≥ 2388	≥ 30	≥ 955	≥ 12.0	302 ~ 326	38 ~ 41			
30TH	1.08 ~ 1.15	10.8 ~ 11.5	≥ 2786	≥ 35	≥ 820	≥ 10.3	223 ~ 255	28 ~ 32	20~250	-0.115	-0.40
33TH	1.14 ~ 1.19	11.4 ~ 11.9	≥ 2786	≥ 35	≥ 868	≥ 10.9	247 ~ 271	31 ~ 34			
35TH	1.18 ~ 1.24	11.8 ~ 12.4	≥ 2786	≥ 35	≥ 899	≥ 11.3	263 ~ 295	33 ~ 37			
38TH	1.22 ~ 1.26	12.2 ~ 12.6	≥ 2786	≥ 35	≥ 931	≥ 11.7	287 ~ 310	36 ~ 39			