



磁性过滤器

Magnetic Filtrations

磁性联轴器

Magnetic Couplings

磁性组件

Magnetic Assemblies

磁铁

Magnets

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MAGNET FOREVER
Professional.Energy saving.Green



厦门恒磁电子有限公司

XIAMEN MAGNET FOREVER ELECTRONIC CO., LTD.

我们不仅定制生产产品，还能帮助客户完成设计想法到成品的转化。

We are not only a manufacturer, but also a realizer of your ideas.



磁棒14000Gs >

Magnetic Bars >

磁棒除铁器，由强磁铁加导磁片组成高密度磁场磁路，通过氩弧焊密封于不锈钢管中，经过严格的抛光流程做到表面光滑无泄露，防水防污。

Magnetic bars are made from high power magnets and stainless tube by well welding and polishing, zero leakage and waterproof.

特点:

工作温度	80-350℃
表面磁场	超过14000高斯
外径	可达100mm
长度	长度定制
安装	各种安装堵头
材质	SS304 / 316 / 316L

Features:

Working Temperature	80-350℃
Surface Gauss	Over 14000Gs
Outer Diameter	Up to 100mm(3.9")
Length	As per your requirement
Installation Endplugs	Various
Material	SS304 / 316 / 316L

磁棒经过4道抛光流程，瑕疵点检视，表面光洁度可以达到Ra0.6.特别适合于医药食品等对表面质量有要求的应用。

After 4 times of polishing processes, the roughness can meet Ra0.6, widely used in food and pharmaceuticals industry.

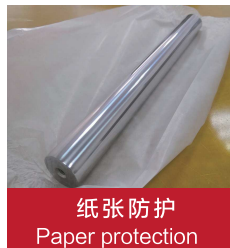


磁棒经过外观和表磁检验后，卷上一层防护纸再装入定制的塑料管中，包装美观而且磁棒没有外露，不会因磕碰引起损伤。

After appearance and surface gauss inspection, magnetic bar is protected by soft paper and plastic tube, no damage during delivery.



测量表磁
Measurement



纸张防护
Paper protection



塑料套管
Tube protection



空运包装
Airshipment

磁棒采用标准系列的不锈钢钢管，外径和能达到的最大表磁如表: The relationship between the diameter and max. gauss value is as below:

	6000Gs	7000Gs	8000Gs	10000Gs	11000Gs	12000Gs	13000Gs	14000Gs
Ø 12	V	V	V					
Ø 16	V	V	V	V				
Ø 19	V	V	V	V	V			
Ø 20	V	V	V	V	V			
Ø 22	V	V	V	V	V	V		
Ø 25	V	V	V	V	V	V	V	V
Ø 28	V	V	V	V	V	V	V	V
Ø 32	V	V	V	V	V	V	V	V
Ø 38	V	V	V	V	V	V	V	V
Ø 50	V	V	V	V	V	V	V	V
Ø 63	V	V	V	V	V	V	V	V
Ø 100	V	V	V	V	V	V	V	V

展示 | Shows



双头螺纹孔
Two screw holes



穿轴磁过滤棒
Central heating filtration



吊环磁棒
With one eye



光柱安装头
Cylinder endplug



螺栓安装头
Male screw endplug



圆锥安装头
Cone endplug

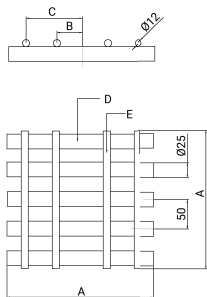
磁力架 >

Magnetic Grates >

我们生产单层多层和易清洁的各类磁力架，可以根据客户要求协助设计生产，配合我们的磁棒，表磁可以达到14000高斯以上。

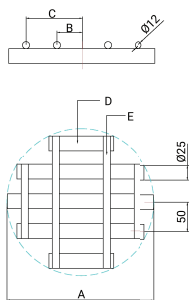
We produce various magnetic grates. We support free designs and drawings according to your requirements.

▼ 标准方形磁力架尺寸 Standard Square Magnetic Grates



型号No.	A (mm)	B (mm)	C (mm)	D. (pcs)	E (pcs)
SN 150	150	31	-	3	2
SN 200	200	56	-	4	2
SN 250	250	81	-	5	2
SN 300	300	106	-	6	2
SN 350	350	131	-	7	2
SN 400	400	156	-	8	2
SN 450	450	66	181	9	4
SN 500	500	71	206	10	4
SN 550	550	81	231	11	4
SN 600	600	86	256	12	4

▼ 标准圆形磁力架尺寸 Standard Round Magnetic Grates



型号No.	A (mm)	B (mm)	C (mm)	D. (pcs)	E (pcs)
RN 150	147	23	-	3	2
RN 200	184	60	-	4	2
RN 250	247	36	-	5	2
RN 300	289	41	-	6	2
RN 350	347	46	-	7	2
RN 400	391	50	-	8	2
RN 450	447	55	178	9	4
RN 500	494	58	192	10	4
RN 550	547	62	205	11	4
RN 600	594	65	217	12	4



圆形磁力架
Round Magnetic Grates



半圆磁力架
Half Circle Grates



方形易清洁
Square EZY Cleaning



方形磁力架
Square Magnetic Grates



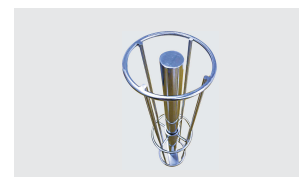
圆形易清洁
Round EZY Cleaning



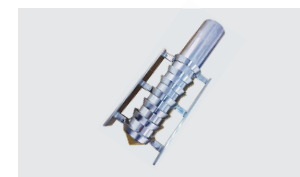
双层磁力架
Double Layers Grates



圆形易清洁
Round EZY Cleaning



汽车涂装磁力架
Magnetic Grate for
Automotive Coating



定制磁芯
Customized Magnetic Filter



齿轮箱除铁器
Gearbox Iron Removal



带把手磁力架
Magnetic Grate With Handle



锂电池涂布机磁过滤
Li-ion Battery Coating Machine

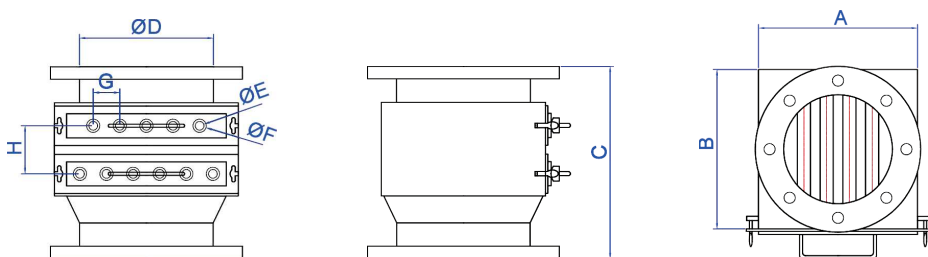
抽屉式磁过滤器

Magnetic Drawers

抽屉式磁过滤器是将磁芯放置在SS304L或者SS316L料斗箱中，有效去除物料中的铁磁性杂质颗粒，净化物料保护设备，磁芯的磁力可以达到14000Gs以上，广泛应用关于各种粉体行业。

Magnetic drawers are made from magnetic grates in a 304L or 316L stainless steel case, to separate ferrous particles from dry product. The magnetic field is over 14000Gs and is applicable to all kinds of powder industries.

标准抽屉式磁过滤器尺寸 Standard Magnetic Drawers



抽屉式磁过滤器参数 Parameters of drawer type magnetic filter

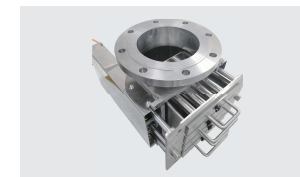
型号 Specification	A	B	C	法兰 Flange	D	E 磁棒直径 Dia of Rod	F 套管直径 Dia of tube	G	H	层数 Layers	磁棒数量 Qty. of rods
MY160-2			400	DN100	108	25	28	55	80	2	5
MY160-3	160	160	480	DN100	108	25	28	55	80	3	8
MY220-2			400	DN150	159	25	28	55	80	2	7
MY220-3	210	210	480	DN150	159	25	28	55	80	3	11
MY270-2			400	DN200	219	25	28	55	80	2	9
MY270-3	270	270	480	DN200	219	25	28	55	80	3	14
MY330-2			400	DN250	273	25	28	55	80	2	11
MY330-3	330	330	480	DN250	273	25	28	55	80	3	17
MY380-2			400	DN300	325	25	28	55	80	2	13
MY380-3	380	380	480	DN300	325	25	28	55	80	3	20



翻转式清洁磁过滤
Turnover Cleaning Drawer Type



3层抽屉式
3-Layers Drawer Type



气动自清洁
Pneumatic Self Cleaning



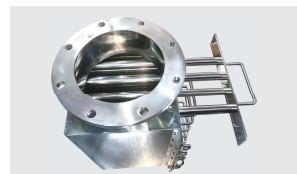
单层抽屉式
Single Layer Magnetic Drawer



圆形抽拉式
Cylindrical Pulling Type



双层易清洁
Double Layers EZY Cleaning



多层抽屉式
Multilayers Magnetic Drawer



双层抽屉式
Double Layers Drawer



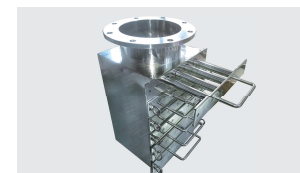
双层带门密封
Double Layers with Door



4层抽屉式
4 Layers Magnetic Drawer



带套管易清洁式
Drawer with Quick Cleaning Tube



5层抽屉式
5 Layers Magnetic Drawer

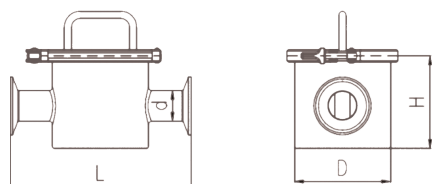
管道式磁过滤器

Magnetic Traps

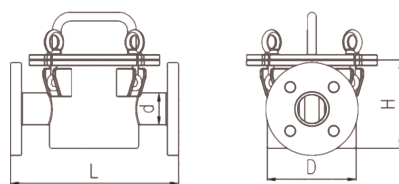
管道式磁性过滤器安装在管路中，对浆料、液体等物料连续除铁，确保产品不含铁杂质，实现产品的全面净化。该产品可以工作到80° C，如果需要耐高温，我们耐高温磁铁到350° C。我们的磁棒磁力达到14000高斯以上，能吸附纳米级的颗粒，特别适合锂电池行业除铁。

Magnetic trap adsorbs ferromagnetic dirt, rust and fine iron pollutants in the pipeline through magnetic force to achieve full product purification. The product can work up to 80° C (176° F). If temperature resistance is required, we can optimize the design to work up to 350° C (662° F).

▼ 卡箍式流体除铁器 Clamp Type

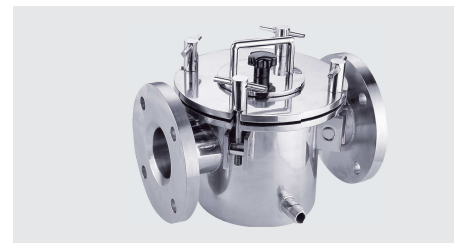


▼ 法兰型流体除铁器 Flange Type



型号 Specification	尺寸Size(mm)				磁棒数量 No. of rods
	D	d	H	L	
JJ-100/25CC	102	25.4	150	220	3
JJ-100/38CC	102	38.1	150	220	3
JJ-100/50CC	102	50.8	150	220	3
JJ-100/76CC	102	76.1	150	220	3
JJ-114/25CC	114	25.4	150	250	5
JJ-114/38CC	114	38.1	150	250	5
JJ-114/50CC	114	50.8	150	250	5
JJ-114/76CC	114	76.1	150	250	5
JJ-150/38CC	159	38.1	150	300	5
JJ-150/50CC	159	50.8	150	300	5
JJ-150/76CC	159	76.1	150	300	5
JJ-150/100CC	159	101.6	150	300	5
JJ-200/38CC	219	38.1	200	360	7
JJ-200/50CC	219	50.8	200	360	7
JJ-200/76CC	219	76.1	200	360	7
JJ-200/100CC	219	101.6	200	360	7

型号 Specification	尺寸Size(mm)				磁棒数量 No. of rods
	D	d	H	L	
JJ-150/25	159	32	150	300	5
JJ-150/32	159	38	150	300	5
JJ-150/40	159	48.3	150	300	5
JJ-150/50	159	57	200	330	5
JJ-150/65	159	76	200	330	5
JJ-200/50	219	57	270	380	7
JJ-200/65	219	76	270	380	7
JJ-200/80	219	89	250	420	7
JJ-200/100	219	108	250	420	7
JJ-250/80	254	89	280	500	7
JJ-250/100	254	108	280	500	7
JJ-250/125	254	138	300	500	7
JJ-250/150	254	159	300	500	7
JJ-300/125	325	138	330	550	9
JJ-300/150	325	159	330	550	9
JJ-300/200	325	219	330	550	9



篮式易清洁快装
Basket Type EZY Cleaning



液体管道磁过滤
Magnetic Liquid Trap



平底管道磁过滤器
Flat End Magnetic Trap



单管磁过滤
Single Rod in Magnetic Trap



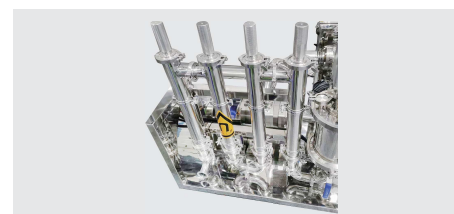
快装卡箍管道除铁器
Clamp Type Magnetic Trap



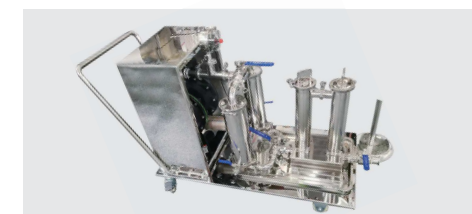
篮式法兰管道磁过滤
Basket Type Flange Locking



篮式快装卡口
Basket Type Fast Locking



单管磁过滤系统
Pipeline Magnetic Filtration System



管路磁过滤串联系统
Pipeline Magnetic Filtration System

磁性组件 >

Magnetic Assemblies >



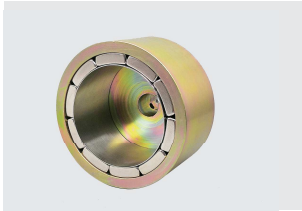
磁力传感器
Component of magnet load



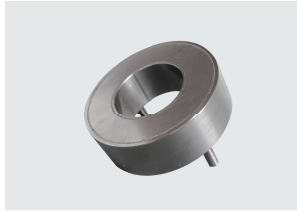
高压水枪磁制动器
Magnetic brake for water blasting gun



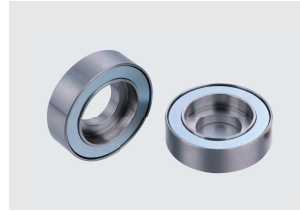
激光焊接密封磁路
Magnet sealed by laser welding



转子
Rotor



带螺栓密封吸力件
Encapsulation magnets



吸力件
Magnetic pots

磁性组件流程

01 | 聆听客户需求

充分理解客户的意图，除了性能指标，还会考虑产品的使用环境，使用方法和运输状态。

SOP of Assemblies

01 | Listen to customers

To fully understand the customer's intention, in addition to the main performance indicators of the magnetic assemblies, we also consider their working environment, using methods and transport status.

02 | 计算设计模型

根据客户的需求，协助计算设计磁路。初步考虑加工和组装工艺，并根据我们的经验和计算结果，提出改进意见，最后签订样品订单。

02 | Calculate & design prototype

According to the customer's needs, we assist them in calculating the magnetic circuit, and initially consider the machining and assembly process, make suggestions, then sign sample orders.

03 | 制定工艺和打样

制定详细的工艺，设立品质监控点。出分解图开始生产。设计工装夹具：* 保证零件的形位和尺寸公差；* 供测量设备使用，保证品质。

03 | Formulating process and sampling

To formulate the specific process and set up quality monitoring points, create drawings for production. Design tooling & fixtures.

04 | 批量生产控制

接到批量订单后，安排工人操作，合理布置工位、工序，必要的时候，设计加工独有的工装以减轻工人的劳动强度，保证批量生产的一致性。

04 | Calculate & design prototype

After receiving the batch orders, we will reasonably arrange the working positions and procedures for workers, when necessary, we will design and make the unique tooling & fixtures to reduce the labor intensity and ensure the consistency of batch production.

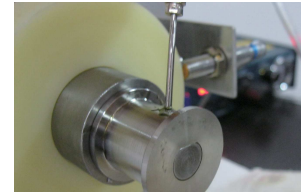


磁铁拆分设备

磁铁充磁后组装，人工拆分磁铁效率低，手指长时间剥离磁铁很痛苦，为此我们设计制造了这个拆分磁铁的小设备，完全解除了工人疼痛提高效率。

Magnets separating/splitting equipment

We designed and made this equipment which completely relieves workers from pain and improves efficiency.

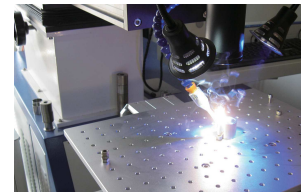


自动涂胶设备

手动涂胶的胶量不能控制，我们设计制造了专属于我们产品的自动涂胶设备，涂胶高效快捷。

Automatic glue dispenser

Manual gluing varies from person to person, we designed and made automatic glue dispensing equipment that is exclusively for our product.



自动激光焊接

很多产品需要对工件激光焊接，焊接热变形大，我们设计制作专用夹具，保证焊接后的公差，新手也能快速上手操作。

Automatic laser welding machine

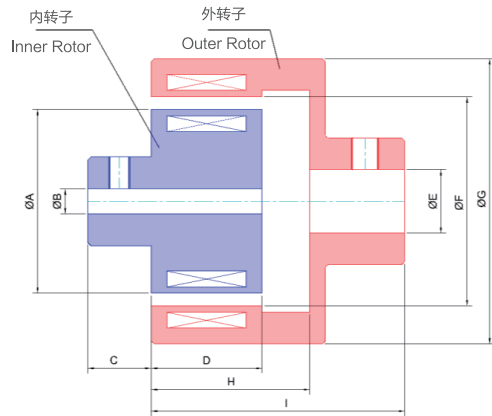
Many products require laser welding. We designed and made a lot of special tooling & fixtures, so even new workers also can quickly get started.

磁性联轴器 >

Magnetic Couplings >

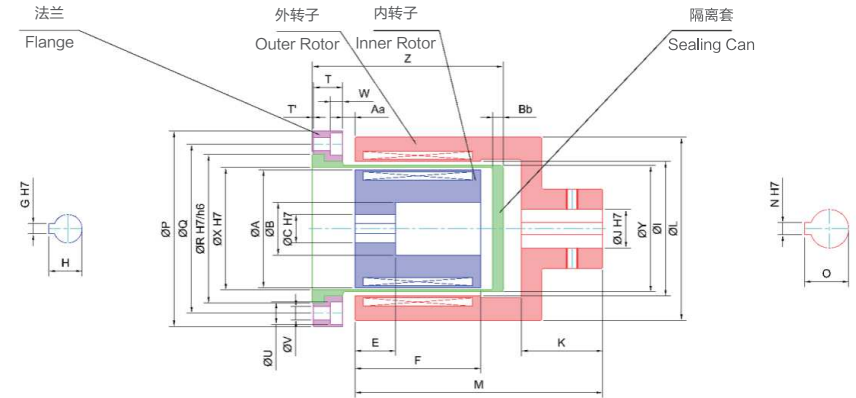


MCM (0.1~10NM) 磁性联轴器 MCM (0.1~10NM) Magnetic Coupling



型号 Type	扭矩 Torque NM	内转子 Inner Rotor				外转子 Outer Rotor				
		A	B	C	D	E	F	G	H	I
MCM-0.1	0.1	12.7	4	7	15	6	17.5	26	19	27
MCM-0.2	0.2	18	6	8	20	8	23	35	28	44
MCM-0.3	0.3	22	8	8	16	8	28	44	22	36
MCM-1	1	28	10	12	20	10	25	52	28	44
MCM-3	3	35	12	16	25	12	43	58	35	55
MCM-10	10	58	16	20	35	29	66	88	50	80

MCL (3~80NM) 磁性联轴器 MCL (3~80NM) Magnetic Coupling



型号 Type	扭矩 Torque NM	过载扭矩 Overload torque NM	内转子 Inner Rotor							外转子 Outer Rotor							法兰 Flange			隔离套 Sealing Can									
			A	B	C	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	T	U	V	W	X	Y	Z	Aa	Bb	
MCL-3	3	4.5	42	20	10	15	25	3	11.4	49	18	30	68	75	6	20.8	83	66	57	14.5	0.5	11	4-ø6.6	6	44	46	57	6	5
MCL-8	8	12	58	26	12	18	35	4	13.8	66	18	30	88	85	6	20.8	98	83	73	14.5	0.5	11	6-ø6.6	6	61	62	67	6	5
MCL-16	16	26	58	26	14	20	62	5	16.3	66	19	40	88	122	6	21.8	98	83	73	14.5	0.5	11	6-ø6.6	6	61	62	94	6	5
MCL-22	22	35	88	50	20	30	50	6	22.8	97	24	50	122	122	8	27.3	136	116	104	14.5	0.5	14	8-ø8.6	8	90	92	82	6	5
MCL-30	30	48	88	50	24	30	62	8	27.3	97	28	60	122	130	8	31.3	136	116	104	14.5	0.5	14	8-ø8.6	8	90	92	94	6	5
MCL-50	50	80	122	80	30	30	50	8	33.3	132	38	80	158	130	10	41.3	178	158	142	17.4	0.5	14	8-ø8.6	8	125	127	88	6	6

■ 备注:

1. 内外转子气隙可以根据客户要求设计;
2. 工作温度: NdFeB ≤ 140°C, Sm2Co17 ≤ 280°C;
3. 内外转子的动平衡G6.3;
4. 材质:

内转子: 不锈钢SS316/316L;
外转子: 碳钢镀锌;
隔离套: 不锈钢SS316/316L;
法兰: 碳钢镀锌;

5. 隔离套耐压1~2MPa;
6. 所有尺寸为毫米 (mm)。

■ Remarks:

1. Air gap between inner rotor and outer rotor can be designed according to customer's requirements;
2. Working temperature: NdFeB ≤ 140°C, Sm2Co17 ≤ 280°C;
3. The inertia balance for inner and outer rotor is G6.3;
4. Material:

Inner rotor: stainless steel 316/316L;
Outer rotor: carbon steel / Zn coated;
Sealing can: stainless steel 316/316L;
Flange: carbon steel / Zn coated;

5. Pressure bearing of sealing can: 1~2Mpa;
6. All the dimensions are in millimeter.

烧结钕铁硼

Sintered NdFeB Magnets

钕铁硼磁铁是目前最强的磁铁，有超强的磁力和矫顽力，广泛应用于电机，汽车，磁选等领域。最高工作温度可以达到220° C。

Neodymium magnets have super strong magnetic force and high intrinsic coercive force, working temperature is up to 220 ° C.

镀层类型 Coating Type	镀层厚度 Thickness	颜色 Colour	使用温度 WT(° C)	PCT>	SST>	特点 Characteristics
Electroplating Ni Ni-Ni-Ni Ni-Cu-Ni	10-30um	Silver	250	48hrs	72hrs	良好的环境适应性，可用于洁净环境 Excellent environmental suitability, suitable for cleanroom.
Electroplating Ni-Sn	10-30um	Semi-bright silver	160	48hrs	72hrs	良好的环境适应性和导电性，适用于电子行业 Excellent environmental suitability with good conductivity, suitable for electronic equipment.
Electroplating Zn	8-15um	Silver White blue Rainbow	160	-	24hrs	良好的环境适应性，可用于多数情况。彩锌是电镀锌中最好的 Good environmental suitability for most cases. Rainbow Zinc is the best one in Zinc electroplating.
Electroplating Au	10-20um	Golden	250	48hrs	192hrs	用于电子设备饰品 Used in electronic equipment and accessories.
Electroplating Ag	8-15um	Silver	250	48hrs	192hrs	
IVD Al	8-30um	Silver	400	48hrs	192hrs	良好的环境适应性和附着力 Excellent environmental suitability with good adhesion.
Epoxy	8-15um	Dark grey	120	24hrs	72hrs	耐盐雾、潮湿 Salt spray and humidity resistance.
Phosphating	-	Light grey	-	-	-	短期防锈、运输和保存 Short term anti-corrosion transportation and storage.



烧结钕铁硼磁体磁性参数 Sintered NdFeB Magnets Magnetic Properties

牌号 Grade	剩磁 Br		矫顽力 Hcb		内秉矫顽力 Hcj		最大磁能积 (BH)max				工作温度 WT
	kGs		kOe	kA/m	kOe	kA/m	MGOe		kJ/m³		°C
	Min	Max	≥	≥	≥	≥	Min	Max	Min	Max	≤
N35	11.7	12.2	10.9	868	12	955	33	36	263	287	80
N38	12.2	12.5	11.4	907	12	955	36	38	287	302	80
N40	12.5	12.8	11.4	907	12	955	38	40	302	318	80
N42	12.8	13.2	11.5	915	12	955	40	43	318	342	80
N45	13.2	13.8	11.6	923	12	955	43	46	342	366	80
N48	13.8	14.2	11.6	923	12	955	46	49	366	390	80
N50	14	14.5	10	796	11	876	48	51	382	406	80
N52	14.3	14.8	10	796	11	876	50	53	398	422	80
35M	11.7	12.2	10.9	868	14	1114	33	36	263	287	100
38M	12.2	12.5	11.3	899	14	1114	36	38	287	302	100
40M	12.5	12.8	11.6	923	14	1114	38	40	302	318	100
42M	12.8	13.2	12	955	14	1114	40	43	318	342	100
45M	13.2	13.8	12.5	995	14	1114	43	46	342	366	100
48M	13.6	14	12.8	1019	14	1114	45	48	358	382	100
50M	14	14.5	13.1	1043	14	1114	48	51	382	406	100
35H	11.7	12.2	10.9	868	17	1353	33	36	263	287	120
38H	12.2	12.5	11.4	907	17	1353	36	38	287	302	120
40H	12.5	12.8	11.6	923	17	1353	38	40	302	318	120
42H	12.8	13.2	12	955	17	1353	40	43	318	342	120
45H	13.2	13.6	12.1	963	17	1353	43	46	342	358	120
48H	13.6	14	12.8	1019	16	1274	45	48	358	382	120
35SH	11.7	12.2	11	876	20	1592	33	36	263	287	150
38SH	12.2	12.5	11.4	907	20	1592	36	38	287	302	150
40SH	12.5	12.8	11.8	939	20	1592	38	40	302	318	150
42SH	12.8	13.2	12.2	971	20	1592	40	43	318	342	150
45SH	13.2	13.8	12.3	979	20	1592	43	46	342	366	150
30UH	10.8	11.4	10.1	804	25	1990	28	31	223	247	180
33UH	11.4	12.1	10.7	852	25	1990	31	35	247	279	180
35UH	11.7	12.2	11	876	25	1990	33	36	263	287	180
38UH	12.2	12.5	11.4	907	25	1990	36	38	287	302	180
40UH	12.5	12.8	11.8	939	25	1990	38	40	302	318	180
30EH	10.8	11.4	10.1	804	30	2388	28	31	223	247	200
33EH	11.4	12.1	10.7	852	30	2388	31	35	247	279	200
35EH	11.7	12.2	11	876	30	2388	33	36	263	287	200
38EH	12.2	12.5	11.4	907	30	2388	36	38	287	302	200
30AH	10.8	11.4	10.1	804	35	2786	28	31	223	247	220
33AH	11.4	12.1	10.7	852	35	2786	31	35	247	279	220

单位换算 Unit Conversion: 1kGs=0.1T, 1kOe=79.6kA/m, 1MGOe=7.96kJ/m³