

The General

JAHWA has developed a wide range of Nd-Fe-B magnets and started their mass production.
The superior magnetic properties of rare earth magnet give motor or magnetic circuit designers to improve the performance of the component as well as reducing their size.
We also developed radial and polar ring magnets. Several good corrosion protection methods were developed and available for various applications.

Features

- High energy product
- Various magnetic alignment and magnetization pattern
- High mechanical strength
- Various anticorrosion coating solution

Nd-Fe-B Sintered Magnet

Anisotropic Nd-Fe-B Sintered Magnet

Magnetic Characteristics

Type	Grade	$(BH)_{max}$ (MGOe)		Br (kG)		$_{b}Hc$ (kOe)		$_{i}Hc$ (kOe)	Temp. Coeff.	
		Max	Min	Max	Min	Max	Min	Min	Br	iHc
Block/ Arc	JH-44H	45	43	13.6	13.0	13.0	12.5	16	-0.11	-0.54
	JH-42H	43	41	13.3	13.0	13.2	12.5	16	-0.11	-0.54
	JH-39SH	40	36	12.9	12.3	12.6	11.6	21	-0.11	-0.55
	JH-35SH	36	33	12.3	11.7	11.5	11.0	21	-0.11	-0.55
	JH-35UH	36	33	12.3	11.7	12.1	11.3	25	-0.1	-0.48
	JH-33UH	34	32	11.5	11.3	10.5	9.5	25	-0.1	-0.48
	JH-32EH	34	30	11.9	11.1	11.5	10.5	30	-0.09	-0.45
Radial/ Polar	JH-40HR	42	38	13.2	12.5	12.9	11.7	16	-0.11	-0.58
	JH-37HR	34	38	12.6	11.8	12.0	11.2	16	-0.11	-0.58
	JH-37SHR	34	38	12.6	11.8	12.0	11.2	20	-0.11	-0.55
	JH-34SHR	36	32	12.2	11.6	11.9	10.9	20	-0.11	-0.55
	JH-31UHR	33	29	11.7	11.0	12.1	11.3	25	-0.09	-0.47
	JH-28UHR	30	26	11.2	10.4	10.9	9.9	25	-0.09	-0.47
	JH-30EHR	32	28	11.6	10.8	12.1	11.3	30	-0.09	-0.45
	JH-33EHR	35	31	12.1	11.3	11.5	10.5	30	-0.09	-0.45

※ Recoil Permeability is 1.05 urec

JAHWA

Coating Technologies

Description	Ni-Plating	Epoxy	Al BP Coating
Anticorrosion	Good	Good	Good
Wear resistant	Good	Poor	Fair
Adhesive properties	Poor	Good	Good
Thickness (㎛)	10~20	15~20	10~20
Appearance	Good	Fair	Good
Cost	Fair	Good	Fair

Application

AC/DC Servo Motor, Linear motor, Automobile, Expansion Valve, Sensor, Appliances, etc