



FULLY DENSE ANISOTROPIC HOT EXTRUDED NdFeB RADIAL RINGS

Facilità di montaggio, eccellente resistenza alla corrosione, magnetizzazione multipolare con possibilità di forma d'onda perfettamente sinusoidale, anche con skew

Typical magnetic properties

Grade	Residual Induction (Br)		Coercivity (bHC)		Intrinsic Coercivity (jHC)		Max Energy Product (BH)max		Temperature Coefficient $\Delta \% / \cdot ^\circ\text{C}^{-1}$	
	KGs	T	KOe	KA/m	KOe	KA/m	MGOe	KJ/m ³	Br	jHC
AHE-40R	12.5 - 13.5	1.25 - 1.35	11.1 - 12.1	885 - 965	13.0 - 16.0	1040 - 1280	37 - 42	295 - 335	- 0.10	- 0.50
AHE-43R	12.8 - 13.5	1.28 - 1.35	10.4 - 12.1	830 - 960	11.0 - 14.0	880 - 1120	40 - 44	320 - 350	- 0.10	- 0.50
AHE-32HR	11.2 - 12.1	1.12 - 1.21	10.2 - 12.1	815 - 885	14.0 - 18.0	1120 - 1440	30 - 34	240 - 270	- 0.10	- 0.50
AHE-36HR	12.0 - 12.8	1.20 - 1.28	10.8 - 11.8	860 - 940	14.0 - 18.0	1120 - 1440	34 - 38	270 - 300	- 0.10	- 0.50
AHE-31SHR	10.6 - 10.8	1.06 - 1.08	10.2 - 11.1	815 - 885	20.0 - 24.0	1600 - 1920	29 - 32	230 - 255	- 0.10	- 0.50
AHE-35SHR	12.0 - 12.8	1.20 - 1.28	11.1 - 11.9	880 - 950	18.0 - 22.0	1440 - 1760	33 - 37	265 - 295	- 0.10	- 0.50

Note: The above properties are not guaranteed for any size. Pls contact us for details

Other typical properties

Curie Temperature	Specific heat	Recoil Permeability	Minimum saturation field
°C	J/KJ °C	1.05	KA/m > 1990 (>2390 for SHR grades)
360	550		KOe > 25 (> 30 for SHR grades)
Density	Coefficient of thermal expansion	Thermal conductivity	Electric resistivity
g/cm ³	X 10 ⁻⁶ °C (20 < 200)	W/m °C	X 10 ⁻⁶ ohm/m
7.6 < 7.7	1 < 2 radially 0 < 1 axially	4.8	135
Crushing Strenght (ring)	Bending Strenght	Young's Module	Vickers Hardness
Mpa	Mpa	Mpa	HV
150	200	150000	750

Note: The above properties are measured on samples and cannot be guaranteed for any size. Pls contact us for details