

Mu-Metal (Nickel Iron) Cores

IN ADDITION TO OUR EXTENSIVE RANGE OF SILICON STEEL CORES, WE ARE ALSO ABLE TO SUPPLY MU-METAL (Fe-Ni) CORES.

WILTAN'S MU-METAL CORES CONTAIN A NICKEL PERCENTAGE OF 75-80% AND ARE AVAILABLE IN VARIOUS THICKNESSES AND GRADES.

CORES CAN BE SUPPLIED IN A NUMBER OF SHAPES AND ARRANGEMENTS, BUT TYPICAL CORE TYPES ARE:

- "C" CORE
- "E" CORE
- TOROID CORE

SEE THE TABLE BELOW FOR MATERIAL GUARANTEES:

MAGNETIC GUARANTEES FOR 0.2mm MU-METAL*

GUARANTEE	FREQUENCY	PERMEABILITY	MAG FORCE H _{eff}	MIN INDUCTION B
TN20	50Hz	50,000	0.004 A/cm 0.02 A/cm	0.026T 0.27 T
TN21	50Hz	60,000	0.004 A/cm 0.02 A/cm	0.033T 0.33 T
TN22	50Hz	80,000	0.004 A/cm 0.02 A/cm	0.042T 0.40 T

MAGNETIC GUARANTEES FOR 0.1mm MU-METAL*

GUARANTEE	FREQUENCY	MAG FORCE H _{eff}	MIN INDUCTION B
TN10	50Hz	0.004 A/cm 0.02 A/cm	0.1T 0.5T

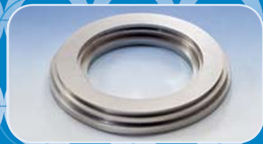
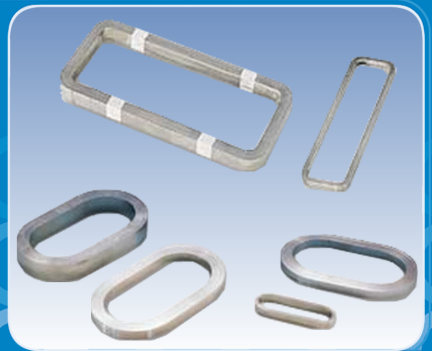
* INFORMATION IS BASED ON TOROIDAL CORES, E-CORE, C-CORE AND SPECIAL CORES INFORMATION IS AVAILABLE ON REQUEST

CORES CAN BE SUPPLIED CUT OR UNCUT AND WITH THE FOLLOWING FINISHES:

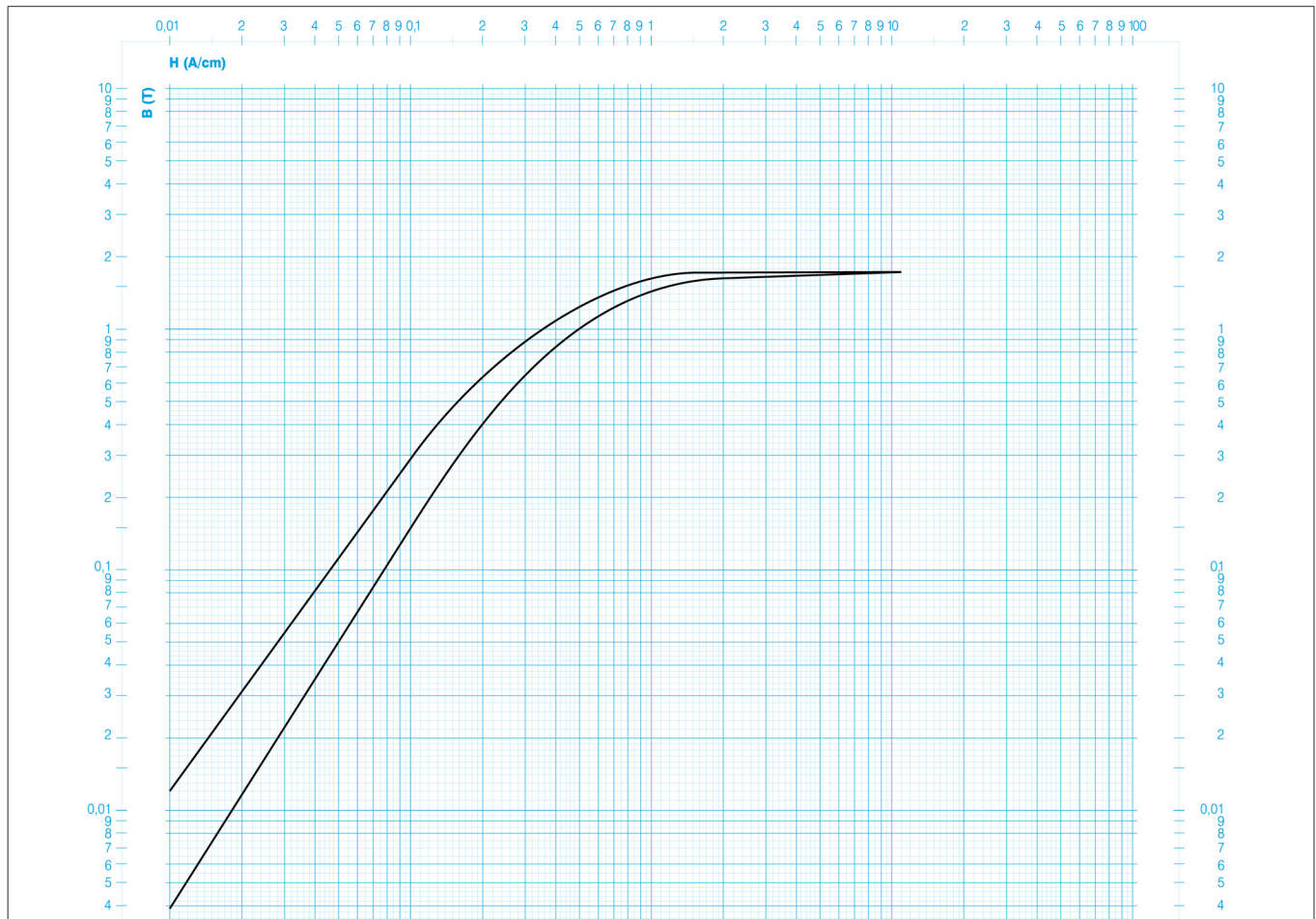
- EDGE BONDED
- END CAPPED
- POLY COATED
- SPRAYED / PAINTED
- DRY FINISH

PLEASE CONTACT US FOR MORE INFORMATION:

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EMAIL: sales@wiltan.co.uk

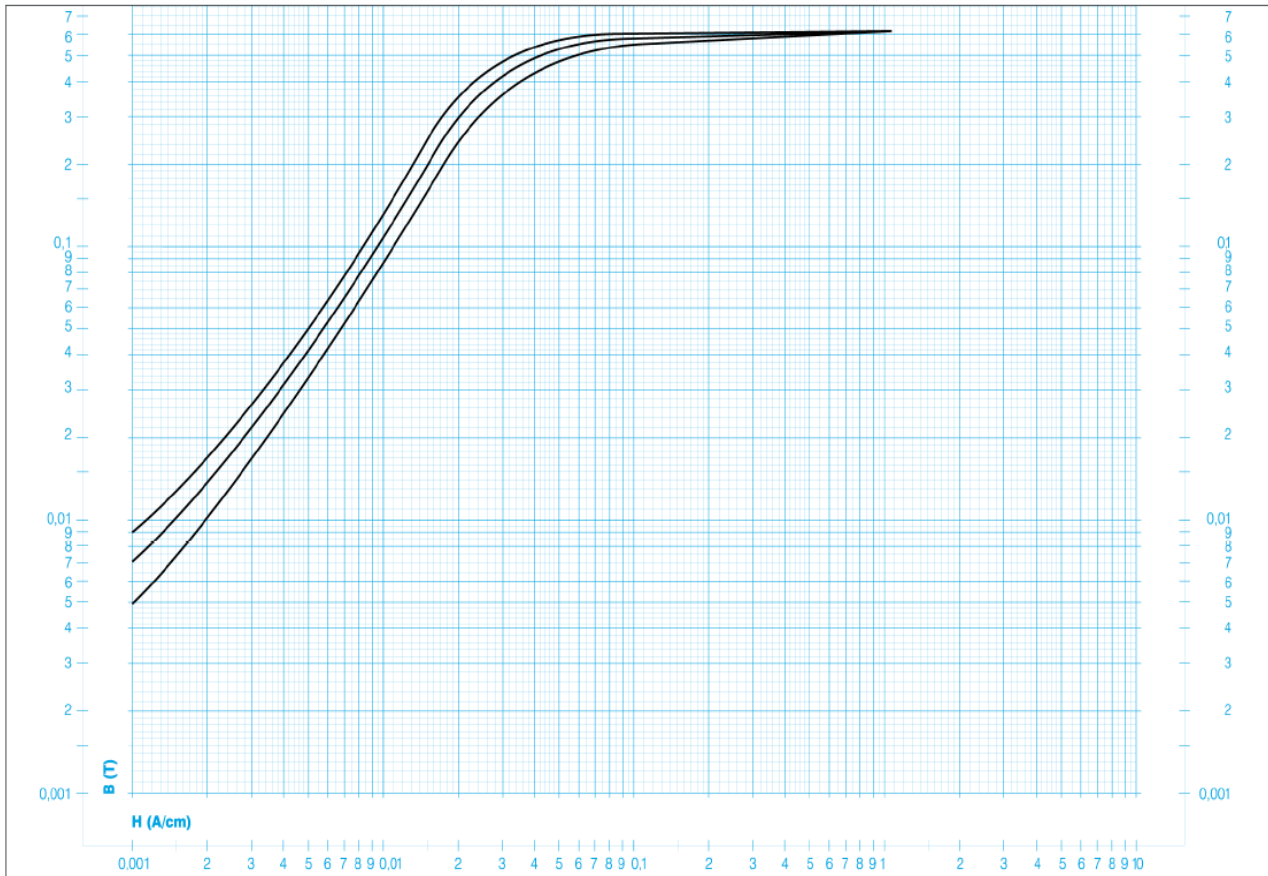


BS30 - BS31



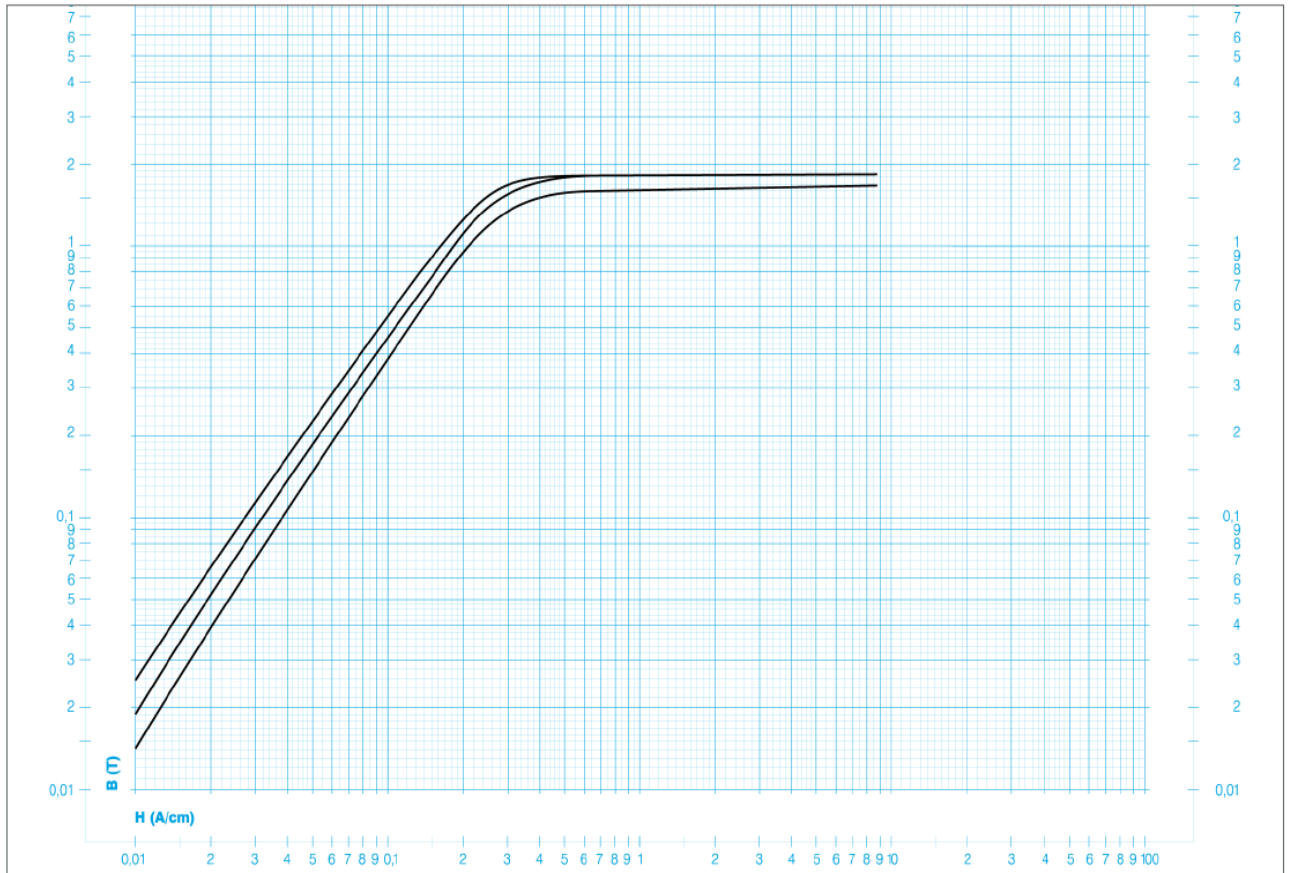
Curves of magnetization for nuclei not cut in Fe-Ni 0,1mm

TN20 - TN21 - TN22



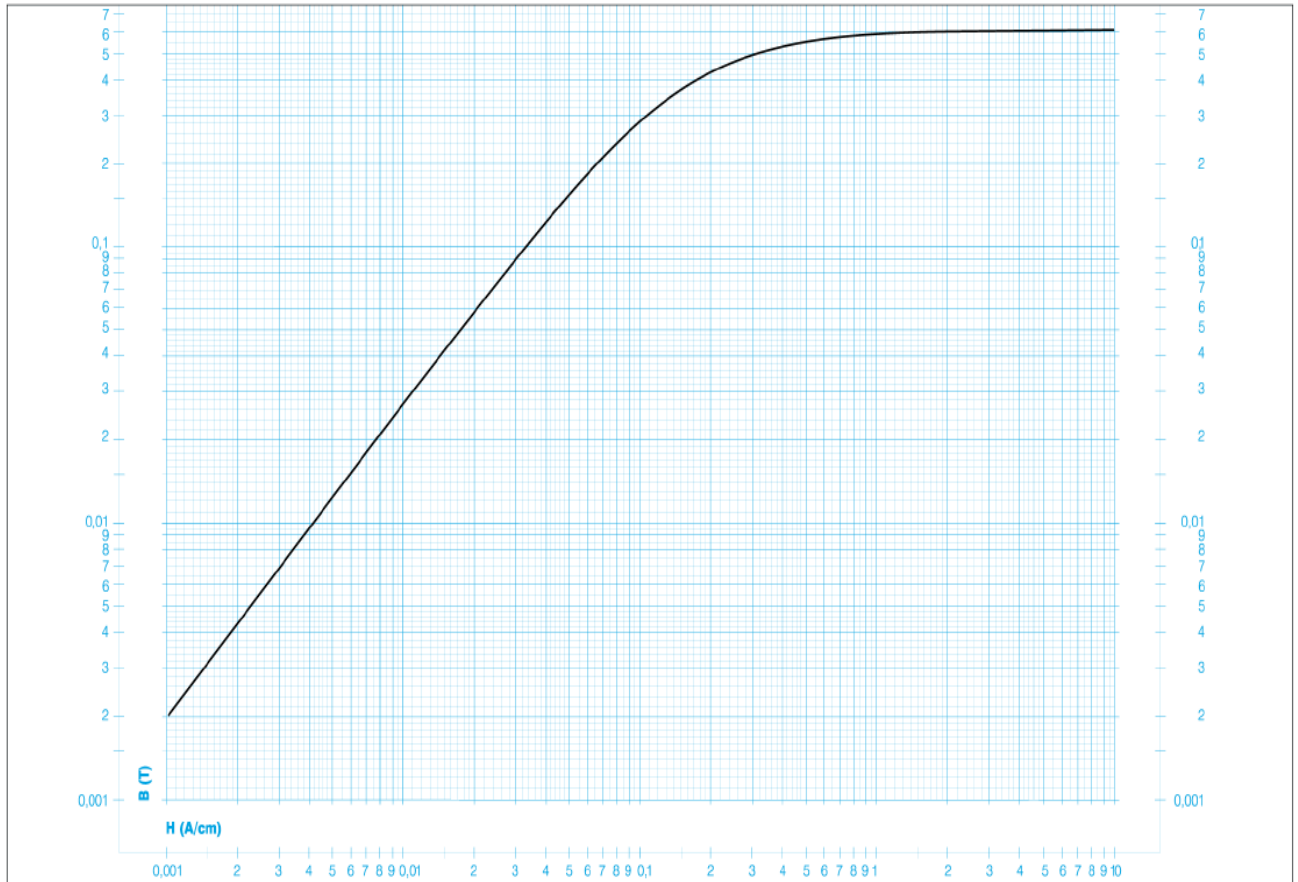
Curves of magnetization for nuclei not cut in Fe-NI 0,2mm

TS30 - TS31 - TS32

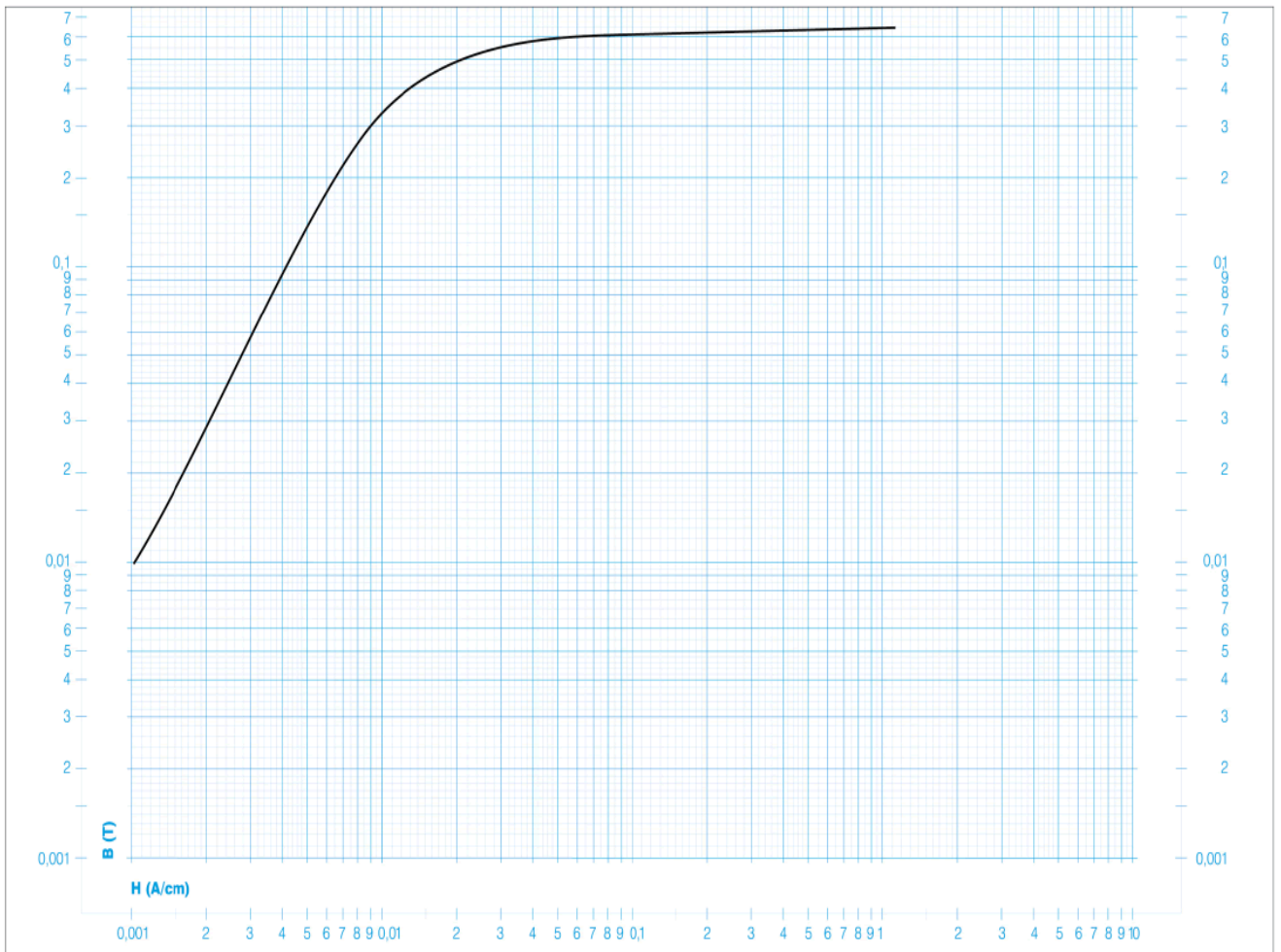


Curves of magnetization for nuclei not cut in Fe-SI 0,3mm

BN20



Curves of magnetization for cut nuclei in Fe-Ni 0,2mm



Curves of magnetization for cut nuclei in Fe-Si 0,3mm

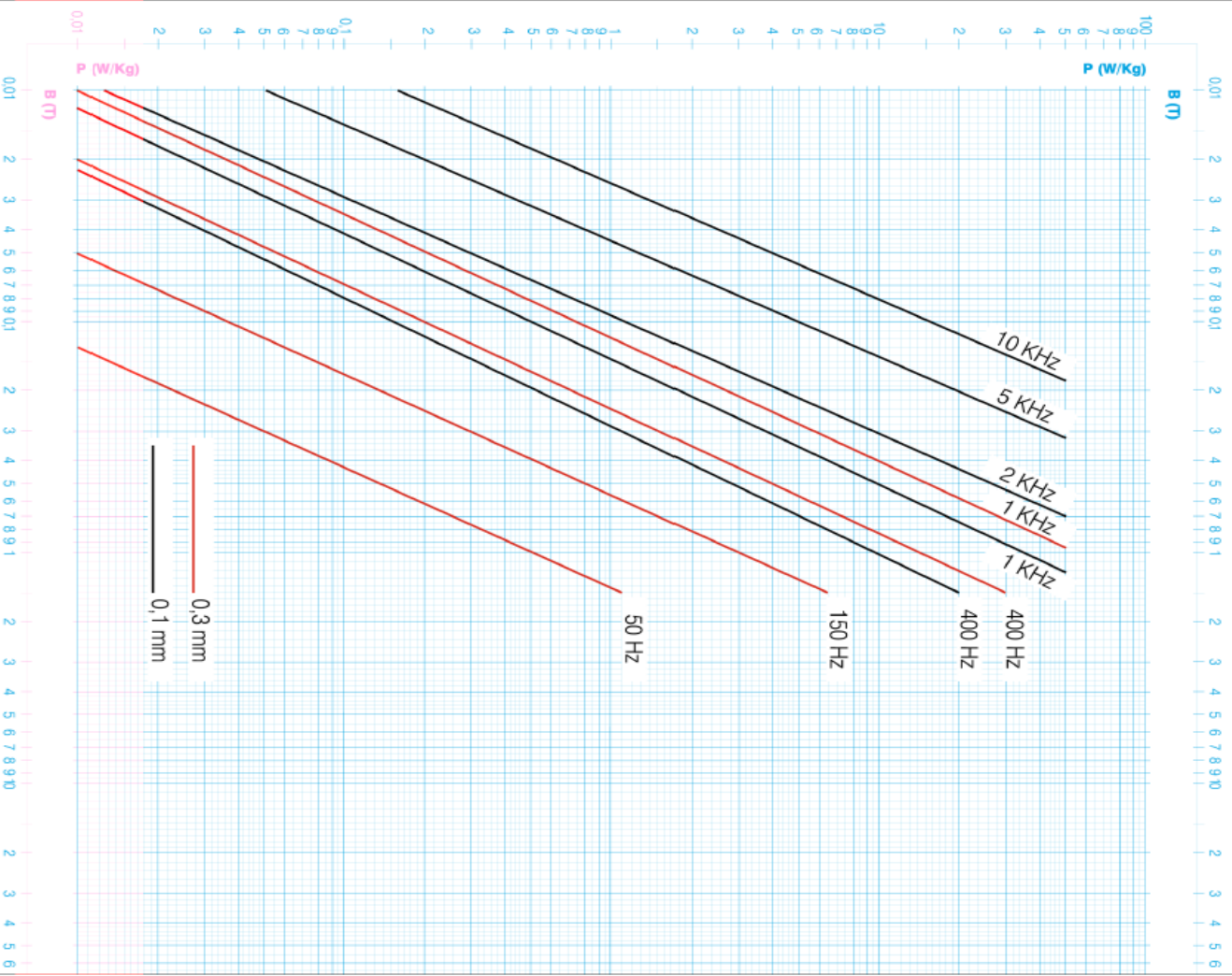


Diagram values of loss for cut nuclei in Fe-Si