

List of all Magnetic Materials

The following is the list all 300 Magnetic Materials for which BH Files are available in the BHmag database. Also listed are corresponding curve numbers.

A. Electrical Steels, NGO

| Curve Nr. | Material Name |
|------------------|----------------------|
| A001 | 35JN200 |
| A002 | 35PN210 |
| A003 | 35PN230 |
| A004 | 35PN250 |
| A005 | 35PN270 |
| A006 | 35PN300 |
| A007 | 35PN360 |
| A008 | 35PN440 |
| A009 | 50PN250 |
| A010 | 50PN270 |
| A011 | 50PN290 |
| A012 | 50PN310 |
| A013 | 50PN350 |
| A014 | 50PN400 |
| A015 | 50PN470 |
| A016 | 50PN600 |
| A017 | 50PN700 |
| A018 | 50PN800 |
| A019 | 50PN1300 |
| A020 | Arnon 5 |
| A021 | Arnon 7 |
| A022 | HF-10 FP |
| A023 | HF-10 SRA |
| A024 | M-10 14 mil 0 Hz |
| A025 | M-13 19 mil 50 Hz |
| A026 | M-13 19 mil 60 Hz |
| A027 | M-13 19 mil 100 Hz |
| A028 | M-13 19 mil 150 Hz |
| A029 | M-13 19 mil 200 Hz |
| A030 | M-13 19 mil 300 Hz |
| A031 | M-13 19 mil 400 Hz |

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|------|----------------------|
| A032 | M-13 19 mil 600 Hz |
| A033 | M-13 19 mil 1000 Hz |
| A034 | M-13 19 mil 1500 Hz |
| A035 | M-13 19 mil 2000 Hz |
| A036 | M-14 |
| A037 | M-15 14 mil 0Hz |
| A038 | M-15 14 mil 60 Hz |
| A039 | M-15 19 mil 60 Hz |
| A040 | M-19 14 mil 0 Hz |
| A041 | M-19 14 mil 50 Hz |
| A042 | M-19 14 mil 60 Hz |
| A043 | M-19 14 mil 100 Hz |
| A044 | M-19 14 mil 150 Hz |
| A045 | M-19 14 mil 200 Hz |
| A046 | M-19 14 mil 300 Hz |
| A047 | M-19 14 mil 400 Hz |
| A048 | M-19 14 mil 600 Hz |
| A049 | M-19 14 mil 1000 Hz |
| A050 | M-19 14 mil 1500 Hz |
| A051 | M-19 14 mil 2000 Hz |
| A052 | M-19 19 mil 0 Hz |
| A053 | M-19 19 mil 50 Hz |
| A054 | M-19 19 mil 60 Hz |
| A055 | M-19 19 mil 100 Hz |
| A056 | M-19 19 mil 150 Hz |
| A057 | M-19 19 mil 200 Hz |
| A058 | M-19 19 mil 300 Hz |
| A059 | M-19 19 mil 400 Hz |
| A060 | M-19 19 mil 600 Hz |
| A061 | M-19 19 mil 1000 Hz |
| A062 | M-19 19 mil 1500 Hz |
| A063 | M-19 19 mil 2000 Hz |
| A064 | M-22 |
| A065 | M-27 14 mil 0 Hz |
| A066 | M-27 14 mil 60 Hz |
| A067 | M-27 19 mil 0Hz |
| A068 | M-27 19 mil 60 Hz |
| A069 | M-27 25 mil 60 Hz |
| A070 | M-36 |
| A071 | M-43 Fully Processed |
| A072 | M-43 Semi Processed |
| A073 | M-45 |
| A074 | M-47 Fully Processed |
| A075 | M-47 Semi Processed |

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|------|---------------------------------------|
| A076 | Silicon Core Iron A (732 C Anneal) |
| A077 | Silicon Core Iron A (843C Anneal) |
| A078 | Silicon Core Iron A (954C Anneal) |
| A079 | Silicon Core Iron A (1066C Anneal) |
| A080 | Silicon Core Iron A-FM (732C Anneal) |
| A081 | Silicon Core Iron A-FM (843C Anneal) |
| A082 | Silicon Core Iron A-FM (954C Anneal) |
| A083 | Silicon Core Iron A-FM (1066C Anneal) |
| A084 | Silicon Core Iron B (732C Anneal) |
| A085 | Silicon Core Iron B (843C Anneal) |
| A086 | Silicon Core Iron B (954C Anneal) |
| A087 | Silicon Core Iron B (1066C Anneal) |
| A088 | Silicon Core Iron B-FM (732C Anneal) |
| A089 | Silicon Core Iron B-FM (843C Anneal) |
| A090 | Silicon Core Iron B-FM (954C Anneal) |
| A091 | Silicon Core Iron B-FM (1066C Anneal) |
| A092 | Silicon Core Iron C (1066C Anneal) |
| A093 | Silicon Core Iron C (843C Anneal) |
| A094 | Silicon Core Iron C (954C Anneal) |
| A095 | USS Q-core P19 |
| A096 | USS Q-core P21 |

B Electrical Steels, GO

| Curve Nr. | Material Name |
|------------------|-------------------------|
| B001 | 3% Si Steel GO |
| B002 | 23PH090 |
| B003 | 23PH095 |
| B004 | 23PHD085 |
| B005 | 27PG130 |
| B006 | 27PH100 |
| B007 | 27PHD090 |
| B008 | 30PG120 |
| B009 | 30PG130 |
| B010 | 30PG140 |
| B011 | 30PH105 |
| B012 | 35PG145 |
| B013 | 35PG155 |
| B014 | 3408 |
| B015 | 3411 |
| B016 | 3413 |
| B017 | 3423 |
| B018 | H-0 |
| B019 | H-0 DR |
| B020 | H-1 |
| B021 | H-1 DR |
| B022 | H-2 |
| B023 | H-2 DR |
| B024 | M-2 |
| B025 | M-3 |
| B026 | M-4 |
| B027 | M-5 |
| B028 | M-6 |
| B029 | M-6 Cross |
| B030 | M-6 Rolling |
| B031 | Microsil 4 mil |
| B032 | Silectron 2 mil |
| B033 | Silectron 4 mil cross |
| B034 | Silectron 4 mil rolling |
| B035 | Silectron 6 mil |
| B036 | Silectron 12 mil |
| B037 | Trafoperm N3 |

C Metglas, Nano

| Curve Nr. | Material Name |
|------------------|-----------------------|
| C001 | Finemet 50Hz NFA |
| C002 | Finemet 50Hz TFA |
| C003 | Finemet FT3M |
| C004 | Nanocrystalline |
| C005 | Vitroperm 50Hz LFA |
| C006 | Vitroperm 50Hz NFA |
| C007 | Vitroperm 50Hz TFA |
| C008 | Vitroperm 400 |
| C009 | Metglas 2605HB1M 50Hz |
| C010 | Metglas 2605SA1 |
| C011 | Metglas 2605SA1 50Hz |

D Cobalt Steels

| Curve Nr. | Material Name |
|------------------|----------------------------------|
| D001 | 2V Permendur |
| D002 | Cast Cobalt |
| D003 | Cobalt |
| D004 | Hiperco 15 |
| D005 | Hiperco 27 |
| D006 | Hiperco 50 |
| D007 | Hiperco 50A Bar (820C Anneal) |
| D008 | Hiperco 50A Bar (871 C Anneal) |
| D009 | Hiperco 50A Bar (1010C Anneal) |
| D010 | Hiperco 50A Strip (871C Anneal) |
| D011 | Hiperco 50HS |
| D012 | Supermendur |
| D013 | Vacoflux 17 |
| D014 | Vacoflux 50 |
| D015 | Vanadium Permendur |

E Nickel Steels

| Curve Nr. | Material Name |
|------------------|---|
| E001 | 4750 |
| E002 | 4750 cross |
| E003 | AD-MU-80 60 Hz |
| E004 | AD-MU-80 DC |
| E005 | Carpenter 49 |
| E006 | Carpenter 49 (788C Anneal) |
| E007 | Carpenter 49 (871C Anneal) |
| E008 | Carpenter 49 (954C Anneal) |
| E009 | Carpenter 49 (1121C Anneal) |
| E010 | Carpenter 49 Rotor Grade (843C Anneal) |
| E011 | Carpenter 49 Rotor Grade (954C Anneal) |
| E012 | Carpenter 49 Rotor Grade (1066C Anneal) |
| E013 | Carpenter 49 Rotor Grade (1177C Anneal) |
| E014 | Carpenter 49 Transformer Grade 60 Hz |
| E015 | Carpenter 49 Transformer Grade 400 Hz |
| E016 | Carpenter Hymu 80 |
| E017 | Deltamax GO |
| E018 | MolyPermalloy |
| E019 | Monel Annealed |
| E020 | Monimax Nonoriented |
| E021 | Monimax Oriented |
| E022 | MuMetal |
| E023 | Mumetal 77% Ni |
| E024 | Mumetal 80% Ni |
| E025 | Ni 30% Temp. Compensated Alloy |
| E026 | Nickel |
| E027 | Permalloy GO 78% |
| E028 | Permalloy Nonoriented |
| E029 | Permalloy Oriented |
| E030 | Permivar |
| E031 | Sinimax |
| E032 | Square 50 |
| E033 | Square 80 |
| E034 | Supermalloy |
| E035 | Superperm 49 |
| E036 | Superperm 80 |
| E037 | Supersquare 80 |

F Stainless Steels

| Curve Nr. | Material Name |
|------------------|----------------------|
| F001 | 35% Chrome Steel |
| F002 | 405 Annealed |
| F003 | 410 Annealed |
| F004 | 416 Annealed |
| F005 | 430 Annealed |
| F006 | 430F Annealed |
| F007 | 455 Annealed |
| F008 | 430F B75 |
| F009 | 430F B82 |
| F010 | 430FR |
| F011 | 13-XP |
| F012 | 12-FM |
| F013 | Chromium Steel |
| F014 | SUS 403 |
| F015 | SUS 405 |
| F016 | TAF |

G Low Carbon Steels

| Curve Nr. | Material Name |
|------------------|---|
| G001 | 12L14 |
| G002 | 50H470 |
| G003 | 1002 |
| G004 | 1006 |
| G005 | 1008 |
| G006 | 1010 |
| G007 | 1018 |
| G008 | 1020 |
| G009 | 1030 |
| G010 | 1117 |
| G011 | Cold Rolled Annealed |
| G012 | Cold Rolled Low Carbon Strip |
| G013 | Consumet Electrical Iron (843 C Anneal) |
| G014 | Consumet Electrical Iron (954 C Anneal) |
| G015 | D6ac |
| G016 | Hot Rolled Low Carbon Steel |
| G017 | M-50 |
| G018 | Magnet steel |
| G019 | Magnetite |
| G020 | Pure Iron |
| G021 | Pure Iron Annealed |
| G022 | Soft iron |
| G023 | Steel Forging, Annealed |
| G024 | Tungsten Steel |
| G025 | Vacofer S1 |

H Castings

| Curve Nr. | Material Name |
|------------------|------------------------|
| H001 | Cast Iron |
| H002 | Cast Iron Nodular |
| H003 | Cast Steel |
| H004 | Ductile Iron |
| H005 | Magtiz |
| H006 | Malleable Cast Iron |
| H007 | Malleable Iron |
| H008 | Ductile Iron Annealed |
| H009 | Ductile Iron Silal |
| H010 | Gray Iron Annealed |
| H011 | Gray Iron As Cast |
| H012 | Ingot Iron |
| H013 | Ingot Iron Annealed |
| H014 | Malleable Iron As Cast |
| H015 | Steel Castings As Cast |

I Iron Powder Core

| Curve Nr. | Material Name |
|------------------|----------------------|
| I001 | -2 Material |
| I002 | -8 Material |
| I003 | Ferrotron 559H |
| I004 | Fluxtrol A |
| I005 | Fluxtrol LRM |
| I006 | Powder Iron Annealed |
| I007 | SMP 1171 |
| I008 | SMP 1172 |
| I009 | SMP 1182 |
| I010 | SMP 1192 |
| I011 | SMP 1220 |
| I012 | SMP 1230 |
| I013 | SMP 1331 |
| I014 | Vetroferrit |

J Alloy Powder Cores

| Curve Nr. | Material Name |
|-----------|----------------|
| J001 | Amoflux |
| J002 | HiFlux 14 mu |
| J003 | HiFlux 26 mu |
| J004 | HiFlux 60 mu |
| J005 | HiFlux 125 mu |
| J006 | HiFlux 147 mu |
| J007 | HiFlux 160 mu |
| J008 | Koolmu 26 mu |
| J009 | Koolmu 40 mu |
| J010 | Koolmu 60 mu |
| J011 | Koolmu 75 mu |
| J012 | Koolmu 90 mu |
| J013 | Koolmu 125 mu |
| J014 | MPP 14 mu |
| J015 | MPP 26 mu |
| J016 | MPP 60 mu |
| J017 | MPP 125 mu |
| J018 | MPP 147 mu |
| J019 | MPP 160 mu |
| J020 | MPP 173 mu |
| J021 | MPP 200 mu |
| J022 | MPP 300 mu |
| J023 | MPP 550 mu |
| J024 | SuperMSS |
| J025 | SuperMSS 26 mu |
| J026 | SuperMSS 60 mu |
| J027 | Xflux |

K Ferrite Powder Cores

| Curve Nr. | Material Name |
|-----------|-------------------|
| K001 | Ferrite |
| K002 | FerriteF 3000 mu |
| K003 | FerriteH 15000 mu |

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|------|------------------|
| K004 | FerriteJ 5000 mu |
| K005 | FerriteK 1500 mu |
| K006 | FerriteP 2500 mu |
| K007 | FerriteR 2300 mu |