

Ferrites, Powder Cores

Ferrites

GYŰRŰMAGOK

RINGKERNE

TOROIDS

Rendelési szám Bestellnummer Ordering code: TI 1041 -XXXX -XX -X

MÉRETEK | ABMESSUNGEN | DIMENSIONS

Tipus Typ Type	ØD	Ød	h	K
-XXXX	[mm]			
-1030	7,0 ±0,3	4,0 ±0,3	2,0 ±0,15	-
-1040	7,0 ±0,3	4,0 ±0,3	2,5 ±0,2	-
-1080	8,0 ±0,3	4,0 ±0,3	4,0 ±0,2	0,4×45°
-1350	10,0 ±0,5	6,0 ±0,3	3,0 ±0,2	0.5×45°
-1410	10,0 ±0,5	6,0 ±0,3	4,0 ±0,2	0.5×45°
-1060	10,0 ±0,5	6,0 ±0,3	4,5 ±0,3	0.5×45°
-1110	10,0 ±0,5	6,0 ±0,3	5,0 ±0,3	0.5×45°
-1430	12,0 ±0,3	6,0 ±0,3	4,0 ±0,2	0.5×45°
-1310	12,0 ±0,3	6,0 ±0,3	4,5 ±0,3	0.5×45°

-1670	12,5 ±0,3	7,5 ±0,2	4,0 ±0,2	0.5×45°
-1150	12,5 ±0,3	7,5 ±0,2	5,0 ±0,3	0.5×45°
-1140	12,5 ±0,3	7,5 ±0,2	6,0 ±0,3	0.5×45°
-1120	12,5 ±0,3	7,5 ±0,2	9,5 ±0,3	0.5×45°
-1780	13,0 ±0,35	7,0 ±0,2	3,0 ±0,2	0.5×45°
-1770	13,0 ±0,35	7,0 ±0,2	12,0 ±0,4	0.5×45°
-1100	14,0 ±0,4	9,0 ±0,3	5,0 ±0,3	0.5×45°
-1640	14,0 ±0,4	9,0 ±0,3	6,0 ±0,3	0.5×45°
-1090	14,0 ±0,4	9,0 ±0,3	9,0 ±0,3	0.5×45°
-1130	16,0 ±0,4	9,6 ±0,3	6,3 ±0,3	0.5×45°
-1370	19,0 ±0,4	11,0 ±0,3	8,0 ±0,3	0.8×45°
-1380	19,0 ±0,4	11,0 ±0,3	10,0 ±0,3	0.8×45°
-1600	20,0 ±0,4	10,5 ±0,3	7,0 ±0,3	0.8×45°
-1440	20,0 ±0,4	10,5 ±0,3	8,0 ±0,3	0.8×45°
-1160	20,0 ±0,4	10,5 ±0,3	10,0 ±0,3	0.8×45°
-1610	22,0 ±0,5	13,7 ±0,4	6,3 ±0,3	1×45°
-1850	22,0 ±0,5	13,7 ±0,4	7,0 ±0,2	1×45°
-1390	22,0 ±0,5	13,7 ±0,4	11,1 ±0,4	1×45°
-1740	22,0 ±0,5	13,7 ±0,4	13,0 ±0,4	1×45°
-1760	22,0 ±0,5	13,7 ±0,4	14,0 ±0,4	1,0×45°
-1420	24,0 ±0,5	12,0 ±0,5	6,0 ±0,3	1,0×45°
-1400	24,0 ±0,5	12,0±0,5	12,0 ±0,4	1,0×45°
-1880	24,0 ±0,5	12,0 ±0,5	14,0 ±0,4	1,0×45°
-1500	26,0 ±0,4	14,5 ±0,3	7,5 ±0,3	1,3×45°
-1540	26,0 ±0,4	14,5 ±0,3	9,0 ±0,3	1,3×45°
-1530	26,0 ±0,4	14,5 ±0,3	9,5 ±0,3	1,3×45°

-1460	26,0 ±0,4	14,5 ±0,3	10,0 ±0,3	1,3×45°
-1690	26,0 ±0,55	14,5 ±0,3	12,0 ±0,4	1,3×45°
-1330	26,0 ±0,4	14,5 ±0,3	15,0 ±0,4	1,3×45°
-1480	26,0 ±0,55	14,5±0,35	20,0 ±0,5	1,3×45°
-1680	26,0 ±0,55	14,5 ±0,3	25,0 ±0,5	1,3×45°
-1700	27,0 ±0,4	14,5 ±0,3	15,0 ±0,4	1,3×45°
-1220	28,0 ±0,5	16,3 ±0,4	10,0 ±0,3	1,3×45°
-1840	28,0 ±0,5	16,3 ±0,4	15,0 ±0,4	1,3×45°
-1170	28,0 ±0,5	16,3 ±0,4	20,0 ±0,5	1,3×45°
-1190	28,0 ±0,5	16,3 ±0,4	24,5 ±0,5	1,3×45°
-1450	29,0 ±0,4	12,0 ±0,3	6,0±0,3	1,0×45°
-1260	29,0 ±0,5	18,5 ±0,4	7,5 ±0,3	1,3×45°
-1320	30,0 ±0,7	11,0 ±0,4	6,0 ±0,3	1,0×45°
-1660	30,0 ±0,7	11,0 ±0,4	7,0 ±0,3	1,0×45°
-1300	30,0 ±0,7	11,0 ±0,4	8,0 ±0,3	1,0×45°
-1630	30,0 ±0,7	12,4 ±0,4	8,0 ±0,3	1,0×45°
-1710	30,2 ±0,5	12,3 ±0,4	7,2 ±0,3	1,0×45°
-1720	30,8 ±0,5	19,9 ±0,4	11,8 ±0,4	1,0×45°
-1860	30,8 ±0,5	19,9 ±0,4	12,5 ±0,4	1,0×45°
-1830	31,4 ±0,7	19,0 ±0,5	12,3 ±0,4	1,0×45°
-1650	32,0 ±0,7	15,0 ±0,5	10,0 ±0,3	1,0×45°
-1340	32,0 ±0,7	15,0 ±0,5	13,0 ±0,4	1,0×45°
-1730	32,0 ±0,7	15,0 ±0,5	15,0 ±0,4	1,0×45°
-1580	32,0 ±0,7	15,0 ±0,5	17,0 ±0,5	1,0×45°
-1790	34,0 ±0,7	20,5 ±0,5	12,5 ±0,4	1,0×45°
-1240	36,0 ±0,7	23,0 ±0,5	10,0 ±0,3	1,3×45°

-1210	36,0 ±0,7	23,0 ±0,5	15,0 ±0,4	1,3×45°
-1250	36,0 ±0,7	23,0 ±0,5	18,7 ±0,5	1,3×45°
-1550	41,8 ±1,0	26,2 ±0,6	12,5 ±0,4	1,0×45°
-1200	42,0 ±0,7	21,0 ±0,3	8,0 ±0,3	1,5×45°
-1280	42,0 ±0,7	21,0 ±0,3	18,5 ±0,5	1,5×45°
-1180	42,0 ±0,7	21,0 ±0,3	22,0 ±0,5	1,5×45°
-1270	45,0 ±0,7	22,0 ±0,3	10,5 ±0,4	1,5×45°
-1870	50,0 ±1,0	34,0 ±0,8	16,0 ±0,5	1,3×45°
-1620	50,0 ±1,0	34,0 ±0,8	19,0 ±0,5	1,3×45°
-1750	50,0 ±1,0	34,0 ±0,8	20,0 ±0,5	1,3×45°
-1290	50,0 ±1,0	34,0 ±0,8	30,0 ±0,6	1,3×45°
-1470	56,0 ±1,6	32,0 ±1,0	10,0 ±0,4	1,5×45°
-1520	56,0 ±1,6	32,0 ±1,0	18,0 ±0,5	1,5×45°
-1560	58,3 ±1,0	40,8 ±0,8	17,6 ±0,5	1,0×45°
-1800	58,3 ±1,0	40,8 ±0,8	20,3±0,5	1,0×45°
-1490	60,0 ±1,5	21,0 ±0,5	10,0 ±0,4	1,5×45°
-1360	60,0 ±1,5	30,0 ±1,0	20,0 ±0,5	1,5×45°
-2070	63,0 ±1,5	38,0 ±1,2	12,5 ±0,4	1,5×45°
-1810	63,0 ±1,5	38,0 ±1,2	25,0 ±0,8	1,5×45°
-2110	80,0 ±2,0	50,0 ±1,2	20,0 ±0,6	1,5×45°
-1820	85,0 ±1,5	62,0 ±1,5	15,0 ±0,6	1,5×45°
-1900	87,4 ±1,35	54,0 ±1,0	13,8 ±0,45	1,5×45°
-2090	100,0 ±2,0	55,0 ±1,5	20,0 ±0,8	1,5×45°
-1570	102,0 ±2,0	65,8 ±1,3	15,0 ±0,5	1,5×45°
-2080	152,0 ±4,0	68,5 ±2,0	18,0 ±1,0	1,5×45°

A táblázatokban megadott méretek bevonat nélkül értendők.
 The values given on the charts are without coating.
 In den Tabellen angegebene Abmessungen werden ohne Überzug verstanden.

Effektív paraméterek (pár)
Magnetische Formkenngrößen (satz)
Effective Core Parameters (per set)

Tipus Typ Type	C1	le	Ae	Ve	Súly Gewicht Weight
-XXXX	mm-1	mm	mm2	mm3	≈ g/satz
-1030	5,7567	17,27	3,00	52,0	0,26
-1040	4.6053	17.27	3.75	64.8	0,30
-1080	2,3550	18,84	8,00	151,0	0,70
-1350	4,5673	25,12	5,50	138,0	0,85
-1410	3,3493	25,12	7,50	188,0	0,90
-1060	2,9553	25,12	8,50	214,0	0,95
-1110	2,6442	25,12	9,50	239,0	1,00
-1430	2,3550	28,26	12,00	339,0	1,70
-1310	2,0933	28,26	13,50	382,0	1,90
-1670	3,3053	31,40	9,50	298,0	1,20
-1150	2,6838	31,40	11,70	367,0	1,50
-1140	2,1655	31,40	14,50	455,0	1,80
-1120	1,3505	31,40	23,25	730,0	3,50
-1780	3,6941	31,40	8,50	267,0	1,20
-1770	0,8845	31,40	35,50	1115,0	5,00
-1100	3,0092	36,11	12,00	433,0	2,50
-1640	2,4903	36,11	14,50	524,0	2,60

-1090	1,6414	36,11	22,00	794,0	4,20
-1130	2,0505	40,19	19,60	788,0	3,70
-1370	1,5832	47,02	29,70	1396,0	6,50
-1380	1,2572	47,02	37,40	1759,0	8,50
-1600	1,4976	47,88	31,97	1530,0	5,80
-1440	1,4378	47,88	33,30	1594,0	6,50
-1160	1,1346	47,88	42,20	2021,0	8,20
-1610	2,3270	56,08	24,10	1352,0	6,40
-1850	2,0732	56,08	27,05	1520,0	6,80
-1390	1,2728	56,08	44,06	2471,0	11,80
-1740	1,0795	56,08	51,95	2913,0	13,20
-1760	0,9996	56,08	56,10	3146,0	14,20
-1420	1,5700	56,52	36,00	2035,0	9,00
-1400	0,7850	56,52	72,00	4069,0	18,00
-1880	0,6892	56,52	82,00	4635,0	21,00
-1500	1,6344	63,58	38,90	2473,0	12,00
-1540	1,3357	63,58	47,60	3026,0	14,50
-1530	1,2590	63,58	50,50	3211,0	16,00
-1460	1,1906	63,58	53,40	3395,0	16,50
-1690	0,9689	63,58	65,62	4172,0	21,00
-1330	0,7669	63,58	82,90	5271,0	25,00
-1480	0,5697	63,58	111,60	7096,0	35,00
-1680	0,4529	63,58	140,37	8924,7	43,00
-1700	0,7383	66,72	90,37	6029,0	29,00
-1220	1,2622	69,55	55,10	3832,0	19,00
-1840	0,8240	69,55	84,40	5870,0	28,00

-1170	0,6122	69,55	113,60	7900,8	38,00
-1190	0,4982	69,55	139,60	9709,0	45,00
-1450	1,3161	64,49	49,00	3160,0	15,50
-1260	2,0714	74,57	36,00	2685,0	13,00
-1320	1,1704	64,37	55,00	3540,0	17,00
-1660	0,9980	64,37	64,50	4152,0	20,00
-1300	0,8782	64,37	73,30	4718,0	22,50
-1630	0,9610	66,60	69,37	4615,0	22,00
-1710	1,0680	66,69	62,44	4164,0	21,00
-1720	1,2777	79,60	62,30	4959,0	28,50
-1860	1,2039	79,60	66,12	5263,0	30,00
-1830	1,0650	79,13	74,30	5879,0	29,00
-1650	0,8890	73,79	83,00	6125,0	29,50
-1340	0,6801	73,79	108,50	8006,0	31,00
-1730	0,5895	73,79	125,50	9286,0	43,00
-1580	0,5178	73,79	142,50	10515,0	40,50
-1790	0,9936	82,11	82,64	6786,0	33,00
-1240	1,5516	92,63	59,70	5530,0	28,70
-1210	1,0047	92,63	92,20	8540,0	43,00
-1250	0,7985	92,63	116,00	10745,0	51,00
-1550	1,0800	103,07	95,80	9860,0	45,00
-1200	1,2442	98,91	79,50	7863,0	38,90
-1280	0,5214	98,91	189,70	18763,0	92,40
-1180	0,4367	98,91	226,50	22403,0	107,00
-1270	1,0095	105,19	104,20	10961,0	57,00
-1870	1,0589	131,94	124,60	16440,0	76,50

-1620	0,8879	131,94	148,60	19606,0	92,00
-1750	0,8425	131,94	156,60	20662,0	95,50
-1290	0,5577	131,94	236,60	31217,0	143,00
-1470	1,1962	138,16	115,50	15957,0	75,00
-1520	0,6532	138,16	211,50	29221,0	135,00
-1560	1,0000	152,40	152,40	23220,0	110,00
-1800	0,8679	152,40	175,60	26761,0	133,00
-1490	0,6522	127,17	195,00	24798,0	118,00
-1360	0,4784	141,37	295,50	41775,0	185,00
-2070	1,0447	158,60	151,80	24075,0	119,00
-1810	0,5004	158,60	316,90	50260,0	238,00
-2110	0,7183	204,00	284,00	57936,0	290,00
-1820	1,3738	230,79	168,00	38773,0	180,00
-1900	0,9827	222,00	225,90	50149,8	246,00
-2090	0,5586	243,00	435,00	105705,0	530,00
-1570	0,9600	255,00	267,00	68200,0	345,00
-2080	0,4632	346,00	747,00	258462,0	1160,00

Teljesítményveszteség | Leistungverlust | Power loss

Anyag Werkstoff Material	\hat{B} [mT] at $\hat{H}=2,5A/cm$ $T=100\text{ }^\circ C$	"Pv" [mW/g]				
		f=16 kHz B=200 mT T=100 °C	f=25 kHz B=200 mT T=100 °C	f=100 kHz B=100 mT T=100 °C	f=100 kHz B=200 mT T=100 °C	f=300 kHz B=50 mT T=100 °C
M2TN-B	≥330	≤21,0	≤35,0	-	-	-
M2TN-C	≥330	-	≤20,0	≤25,0	-	-

-X	Kivitel	Ausführung	Construction
-8	köszörülés nélkül	ohne Schleifung	without grinding
-9	köszörüléssel	mit Schleifung	with grinding

Légrésnélküli fazékmagok AL-értékei
AL-Werte der Schalenkerne ohne Luftspalt
AL-values of pot cores without air gap

Tipus Typ	Anyag
Type	Werkstoff
	Material

-XXAL+30-20% [nH]-XXXXM2F M4M5M6M2TN-B M2TN-C M2TN-D-22 -40 -50 -60 -25 -26-27 -1030 480 440500440 -1040 6001090 545630545 -1080 117021302670 107012301070 -1350 60511001370 550630550 -1410 825150018702250750860750 -1060936170021202550850980850 -1110 10501900237028509501090950 -1430 1170213026603200107012301070 -13101320240030003600120013801200 -1670 840152019002280760870760 -1150 10301870234028109401080940 -11401280232029003480116013401160 -1120 2050372046505580186021401860 -1780 750136017002040680780680 -17703130568071008520284032702840 -1100 920167020902500830960830 -1640 1110200025003030100011601000 -10901680306038304590153017601530 -1130 1420257532203860129014801290 -1370 1750318039704760159018301590 -13802200400050006000200023002000 -1600 1850336042005030168019301680 -1440 1920350043705240175020101750 -11602440443055406650222025502220 -1610 1190216027003240108012401080 -1850 1330243030303640121013901210 -13902170395049405920197522701975 -1740 2560466058206990233026802330 -1760 2770503062907540252028902520 -14201760320040004800160018401600 -1400 3520641080109600320036803200 -1880 40007300912010940365041903650 -15001690308038404610154017701540 -1540 2070376047005640188021601880 -1530 2200399049905990200023002000 -14602320422052806330211024302110 -1690 2850519064907780259029802590 -1330 3600656082009830328037703280 -1480485088201105013240441050704410 -1680 6100111001387016650555063805550 -1700 37506810851010200341039203410 -12202190398049805980199022901990 -1940 2770504063007560252029002520 -1840 3360610076309150305035103050 -1170452082101026012320411047204110 -1190 5550100901260015140505058005050 -1450 2100382047705730191022001910 -12601440262032803930131015101214 -1320 2360429053706440215024102150 -1660 2770504063007560252029002520 -13003150572071508590286032902860 -1630 2880523065407850260030002600 -1710 2590470058807060235027002350 -17202160393049205900197022601970 -1860 2300418052206260209024002090 -1830 2600470059007000236027002360 -16503100565070708480283032502830 -1340 40607390924011090370042503700 -1730 469085301066012790426049004260 -1580534097101213014570485055804850 -1790 2780506063507620253029102530 -1240 1780324040504860162018601620 -12102750500062507500250028802500 -1250 3460630078709440315036203150 -1550 256046505820 23302680 -1200 222040405050 20202320 -2040457083101039012470416047804160 -1280 5300964012050 48205540 -1180 63301150014390 57506620 -1270 274049806220 24902860 -1870261047505930 23702730 -1620 310056607080 28303260 -1750 328059707460 29803430 -1290 4960900011270 45005180 -1470 231042005250 21002420 -1520 423077009620 38504430 -1560 276050306280 25102890 -1800 319057907240 29003330 -1490 424077109630 38504430 -136057801050013130 52506040 -2070 265048006000720024002760 -1810 55301005012560 50255780 -2110 7000875010500 -1820 201036604580 18302100 -1900 281051206400 25602940 -2090 90001125013500 -1570 288052406550 26203020 -2080 1080013500

Teljesítményveszteség | Leistungverlust | Power loss

Anyag Werkstoff Material	\hat{B} [mT] at $\hat{H}=2,5A/cm$ T=100 °C	"Pv" [mW/g]				
		f=16 kHz B=200 mT T=100 °C	f=25 kHz B=200 mT T=100 °C	f=100 kHz B=100 mT T=100 °C	f=100 kHz B=200 mT T=100 °C	f=300 kHz B=50 mT T=100 °C
M2TN-B	≥330	≤21,0	≤35,0	-	-	-
M2TN-C	≥330	-	≤20,0	≤25,0	-	-
M2TN-D	≥330	-	-	≤23,0	-	≤30,0

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Gyűrűmagok rendelhetők műanyag bevonattal is.
Den Ringkern können Sie auch mit Kunststoffüberzug bestellen.
Toroids may be available with coating.

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Átütési feszültség vizsgálata:
Prüfung für den Spannungsdurchschlag:
Test of breakdown voltage:

-X	Kivitel	Ausführung	Construction
-2	bevonat nélkül	unbeschichtet	without coating
-3	poliamid bevonattal (Ø7-Ø36 mm): szürke, matt. Rétegvastagság: 0,2-0,4 mm.	mit Polyamid beschichtung (Ø7-Ø36 mm): grau, matt. Schichtdicke: 0,2-0,4 mm.	with polyamide coating (Ø7-Ø36 mm): grey, mat. Thickness: 0,2-0,4 mm.
Ub≥1500V			
-4	poliamid bevonattal (Ø7-Ø36 mm): szürke, fényes. Rétegvastagság: 0,2-0,4 mm.	mit Polyamid beschichtung (Ø7-Ø36 mm): grau, glänzend. Schichtdicke: 0,2-0,4 mm.	with polyamide coating (Ø7-Ø36 mm): grey, bright. Thickness: 0,2-0,4 mm.
Ub≥1500V			
-5	epoxi bevonattal (Ø41,8-Ø102mm): szürke, fényes. Rétegvastagság: 0,1-0,3mm.	mit Epoxi beschichtung (Ø41,8-Ø102mm): grau, glänzend. Schichtdicke: 0,1-0,3mm.	with epoxy coating (Ø41,8-Ø102mm): grey, bright. Thickness: 0,1-0,3mm.
Ub≥2000V			
-6	műanyag bevonattal (-1460, -1480, -1210, -1540, - 1940 típus)	mit Kunststoffschale (-1460, -1480, -1210, -1540, 1940 typ) -6	with plastic cap (-1460, -1480, -1210, -1540, 1940 type)
Ub≥2000V			