

Technical data of sintered SmCo

Material	Grade	Remanence		Coercive Force		Intrinsic Coercive		Maximum Energy Product		Curie Temp	Maximum Working Temp	Temp Coefficient of Br
		Br		Hcb		Hcj		(BH)max		Tc.	Tw.	αBr
		mT	kGs	kA/m	kOe	kA/m	kOe	kJ/m3	MGOe	(°C)	(°C)	%/°C
SmCo5	YX16	810-850	8.1-8.5	620-660	7.8-8.3	1194-1830	15-23	110-127	14-16	750	250	-0.05
	YX18	850-900	8.5-9.0	660-700	8.3-8.8	1194-1830	15-23	127-143	16-18	750	250	-0.05
	YX20	900-940	9.0-9.4	676-725	8.5-9.1	1194-1830	15-23	150-167	19-21	750	250	-0.05
	YX22	920-960	9.2-9.6	710-748	8.9-9.4	1194-1830	15-23	160-175	20-22	750	250	-0.05
	YX24	960-1000	9.6-10.0	730-770	9.2-9.7	1194-1830	15-23	175-190	22-24	750	250	-0.05
	YX16H	790-840	7.9-8.4	612-652	7.7-8.2	≥1830	≥23	118-135	15-17	750	250	-0.035
	YX18H	840-890	8.4-8.9	644-684	8.1-8.6	≥1830	≥23	135-151	17-19	750	250	-0.04
	YX20H	890-930	8.9-9.3	684-724	8.6-9.1	≥1830	≥23	150-167	19-21	750	250	-0.045
	YX22H	920-960	9.2-9.6	710-748	8.9-9.4	≥1830	≥23	167-183	21-23	750	250	-0.045
	YX24H	960-1000	9.6-10.0	740-780	9.3-9.8	≥1830	≥23	183-199	23-25	750	250	-0.045
LYX10T	620-660	6.2-6.6	485-517	6.1-6.5	≥1830	≥23	75-88	9.5-11	750	300	+0.0156	
Sm2Co17	YXG24L	950-1020	0.95-1.02	541-716	6.8-9.0	636-955	8-12	175-191	22-24	800	250	-0.025
	YXG26L	1020-1050	10.2-10.5	541-748	6.8-9.4	636-955	8-12	191-207	24-26	800	250	-0.035
	YXG28L	1030-1080	10.3-10.8	541-764	6.8-9.6	636-955	8-12	207-220	26-28	800	250	-0.035
	YXG30L	1080-1130	10.8-11.3	541-796	6.8-10.0	636-955	8-12	220-240	28-30	800	250	-0.035
	YXG32L	1100-1150	11.0-11.5	541-812	6.8-10.2	636-955	8-12	230-255	29-32	800	250	-0.035
	YXG26M	1020-1050	10.2-10.5	676-780	8.5-9.8	955-1433	12-18	191-207	24-26	800	300	-0.035
	YXG28M	1030-1080	10.3-10.8	676-796	8.5-10.0	955-1433	12-18	207-220	26-28	800	300	-0.035
	YXG30M	1080-1100	10.8-11.0	676-835	8.5-10.5	955-1433	12-18	220-240	28-30	800	300	-0.035
	YXG32M	1100-1130	11.0-11.3	676-844	8.5-10.6	955-1433	12-18	230-255	29-32	800	300	-0.035
	YXG22	930-970	9.3-9.7	676-740	8.5-9.3	≥1433	≥18	160-183	20-23	800	300	-0.02
	YXG24	950-1020	9.5-10.2	692-764	8.7-9.6	≥1433	≥18	175-191	22-24	800	300	-0.025
	YXG26	1020-1050	10.2-10.5	748-796	9.4-10.0	≥1433	≥18	191-207	24-26	800	300	-0.03
	YXG28	1030-1080	10.3-10.8	756-812	9.5-10.2	≥1433	≥18	207-220	26-28	800	300	-0.035
	YXG30	1080-1100	10.8-11.0	788-835	9.9-10.5	≥1433	≥18	220-240	28-30	800	300	-0.035
	YXG32	1100-1130	11.0-11.3	812-851	10.2-10.7	≥1433	≥18	230-255	29-32	800	300	-0.035
	YXG24H	950-1020	0.95-1.02	692-764	8.7-9.6	≥1990	≥25	175-191	22-24	800	350	-0.025
	YXG26H	1020-1050	10.2-10.5	748-796	9.4-10.0	≥1990	≥25	191-207	24-26	800	350	-0.03
	YXG28H	1030-1080	10.3-10.8	756-812	9.5-10.2	≥1990	≥25	207-220	26-28	800	350	-0.035
YXG30H	1080-1100	10.8-11.0	788-835	9.9-10.5	≥1990	≥25	220-240	28-30	800	350	-0.035	
YXG32H	1100-1130	11.0-11.3	812-844	10.2-10.6	≥1990	≥25	230-255	29-32	800	350	-0.035	
LYXG22T	940-980	9.4-9.8	668-716	8.4-9.0	1194-1591	15-20	167-183	21-23	840	300	-0.008	