

Samarium-Cobalt (SmCo) 1:5 & 2:17 Magnet

Samarium - Cobalt 1:5 Magnet

牌号Grade	剩磁 Br Residual Induction				矫顽力 Hcb Coercive Force		内禀矫顽力 Hcj Intrinsic Coercive Force		最大磁能积 (BH)max Maximum Energy Product				居里温度 Curie Temperature	工作温度 Tw Working Temperature	剩磁可逆温度系数 α Br Temperature Coefficient	剩磁温度系数 β Hcj Temperature Coefficient	Grade Equivalence (for reference only)
	T		kGs		kA/m	kOe	kA/m	kOe	kJ/m³		MGOe		°C	°C	%/°C	%/°C	
单位 Unit	Typ.	min	Typ.	min	min	min	min	min	Typ.	min	Typ.	min	Typ.	max	Typ.	Typ.	
SmCo16	0.83	0.81	8.3	8.1	620	7.8	1194	15	127	111	16	14	750	250	-0.04	-0.3	YX-16, XG16
SmCo18	0.87	0.84	8.7	8.4	645	8.1	1194	15	143	127	18	16	750	250	-0.04	-0.3	YX-18, REC18, H-18B, XG18
SmCo20	0.92	0.89	9.2	8.9	680	8.5	1194	15	159	143	20	18	750	250	-0.04	-0.3	YX-20, XG20
SmCo20H	0.92	0.89	9.2	8.9	680	8.5	1592	20	159	143	20	18	750	250	-0.04	-0.3	YX-20H, H-18C, XG20H
SmCo22	0.95	0.93	9.5	9.3	710	8.9	1194	15	175	159	22	20	750	250	-0.04	-0.3	YX-22, REC22, H-22A, XG22
SmCo22H	0.92	0.89	9.2	8.9	710	8.9	1592	20	175	159	22	20	750	250	-0.04	-0.3	YX-22H, XG22H
SmCo24	0.98	0.96	9.8	9.6	730	9.2	1194	15	191	175	24	22	750	250	-0.04	-0.3	YX-24

Samarium - Cobalt 2:17 Magnet

牌号Grade	剩磁 Br Residual Induction				矫顽力 Hcb Coercive Force		内禀矫顽力 Hcj Intrinsic Coercive Force		最大磁能积 (BH)max Maximum Energy Product				Tc	工作温度 Tw Working Temperature	剩磁可逆温度系数 α Br Temperature Coefficient	剩磁温度系数 β Hcj Temperature Coefficient	Grade Equivalence (for reference only)
	T		kGs		kA/m	kOe	kA/m	kOe	kJ/m³		MGOe		°C	°C	%/°C	%/°C	
单位 Unit	Typ.	min	Typ.	min	min	min	min	min	Typ.	min	Typ.	min	Typ.	max	Typ.	Typ.	
SmCo24H	0.99	0.96	9.9	9.6	692	8.7	1990	25	183	175	23	22	820	350	-0.03	-0.2	YXG-24H, XG24H
SmCo24	0.99	0.96	9.9	9.6	692	8.7	1433	18	183	175	23	22	820	300	-0.03	-0.2	YXG-24, REC24, H-23B, XG24
SmCo26H	1.04	1.02	10.4	10.2	750	9.4	1990	25	199	191	25	24	820	350	-0.03	-0.2	YXG-26H, XG26H
SmCo26	1.04	1.02	10.4	10.2	750	9.4	1433	18	199	191	25	24	820	300	-0.03	-0.2	YXG-26, REC26, XG26
SmCo26M	1.04	1.02	10.4	10.2	676	8.5	796-1433	10-18	199	191	25	24	820	300	-0.03	-0.2	YXG-26M, REC26A, XG26M
SmCo26L	1.04	1.02	10.4	10.2	413	5.2	438-796	5.5-10	199	191	25	24	820	250	-0.03	-0.2	YXG-26L, H-25B
SmCo28H	1.07	1.04	10.7	10.4	756	9.5	1990	25	215	207	27	26	820	350	-0.03	-0.2	YXG-28H, H-30SH, XG28H
SmCo28	1.07	1.04	10.7	10.4	756	9.5	1433	18	215	207	27	26	820	300	-0.03	-0.2	YXG-28, R26HS, H-26SV, XG28
SmCo28M	1.07	1.04	10.7	10.4	676	8.5	796-1433	10-18	215	207	27	26	820	300	-0.03	-0.2	YXG-28M, R26H, XG28M
SmCo28L	1.07	1.04	10.7	10.4	413	5.2	438-796	5.5-10	215	207	27	26	820	250	-0.03	-0.2	YXG-28L
SmCo30H	1.10	1.08	11.0	10.8	788	9.9	1990	25	239	222	30	28	820	350	-0.03	-0.2	YXG-30H, XG30H
SmCo30	1.10	1.08	11.0	10.8	788	9.9	1433	18	239	222	30	28	820	300	-0.03	-0.2	YXG-30, REC30, XG30
SmCo30M	1.10	1.08	11.0	10.8	676	8.5	796-1433	10-18	239	222	30	28	820	300	-0.03	-0.2	YXG-30M, R30, XG30M
SmCo30L	1.10	1.08	11.0	10.8	413	5.2	438-796	5.5-10	239	222	30	28	820	250	-0.03	-0.2	YXG-30L, H-30CH
SmCo32	1.12	1.10	11.2	11.0	796	10	1433	18	255	230	32	29	820	300	-0.03	-0.2	YXG-32, R32H, XG32
SmCo32M	1.12	1.10	11.2	11.0	676	8.5	796-1433	10-18	255	230	32	29	820	300	-0.03	-0.2	YXG-32M, REC32A, XG32M
SmCo32L	1.12	1.10	11.2	11.0	413	5.2	438-796	5.5-10	255	230	32	29	820	250	-0.03	-0.2	YXG-32L
SmCo32H	1.12	1.10	11.2	11.0	788	9.9	1990	25	255	230	32	29	820	350	-0.03	-0.2	YXG32H, XGS32H
SmCo33	1.14	1.13	11.4	11.3	796	10.0	1433	18	255	230	32	29	820	300	-0.03	-0.2	
SmCo33M	1.14	1.13	11.4	11.3	676	8.5	796-1433	10-18	255	230	32	29	820	300	-0.03	-0.2	
SmCo33L	1.14	1.13	11.4	11.3	413	5.2	438-796	5.5-10	255	230	32	29	820	250	-0.03	-0.2	
SmCo33H	1.14	1.13	11.4	11.3	812	10.2	1990	25	255	230	32	29	820	350	-0.03	-0.2	