

## Gap Testing of SB483-IN Magnets for Side-By-Side Article

Distance to Steel Plate: 0"	Magnet Separation - Gap between two magnets (in)						
	0	0.031	0.063	0.125	0.25	0.5	1
Pull Force (lb), Poles Same Direction	8.44	9.72	9.94	10.42	11.82	10.08	10.48
Pull Force (lb), Poles Opposite Direction	12.98	13.92	11.84	11.22	12.72	10.16	10.64

Dist. to Steel Plate: 0.031"	Magnet Separation - Gap between two magnets (in)						
	0	0.031	0.063	0.125	0.25	0.5	1
Pull Force (lb), Poles Same Direction	4	4.12	3.9	3.9	4.58	4.5	4.54
Pull Force (lb), Poles Opposite Direction	5.34	5.72	5.24	5	5.24	4.48	4.58

Dist. to Steel Plate: 0.063"	Magnet Separation - Gap between two magnets (in)						
	0	0.031	0.063	0.125	0.25	0.5	1
Pull Force (lb), Poles Same Direction	2.36	2.32	2.12	2.08	2.22	2.28	2.32
Pull Force (lb), Poles Opposite Direction	2.4	2.64	2.54	2.52	2.7	2.38	2.36

Dist. to Steel Plate: 0.125"	Magnet Separation - Gap between two magnets (in)						
	0	0.031	0.063	0.125	0.25	0.5	1
Pull Force (lb), Poles Same Direction	1.04	1.02	0.94	0.86	0.78	0.78	0.78
Pull Force (lb), Poles Opposite Direction	0.64	0.76	0.78	0.84	0.96	0.88	0.86

Dist. to Steel Plate: 0.25"	Magnet Separation - Gap between two magnets (in)						
	0	0.031	0.063	0.125	0.25	0.5	1
Pull Force (lb), Poles Same Direction	0.3	0.3	0.28	0.24	0.22	0.18	0.18
Pull Force (lb), Poles Opposite Direction	0.08	0.1	0.12	0.14	0.18	0.2	0.16

Dist. to Steel Plate: 0.5"	Magnet Separation - Gap between two magnets (in)						
	0	0.031	0.063	0.125	0.25	0.5	1
Pull Force (lb), Poles Same Direction	0.06	0.06	0.06	0.04	0.04	0.04	0.02
Pull Force (lb), Poles Opposite Direction	0	0	0.02	0.02	0	0.02	0.02