

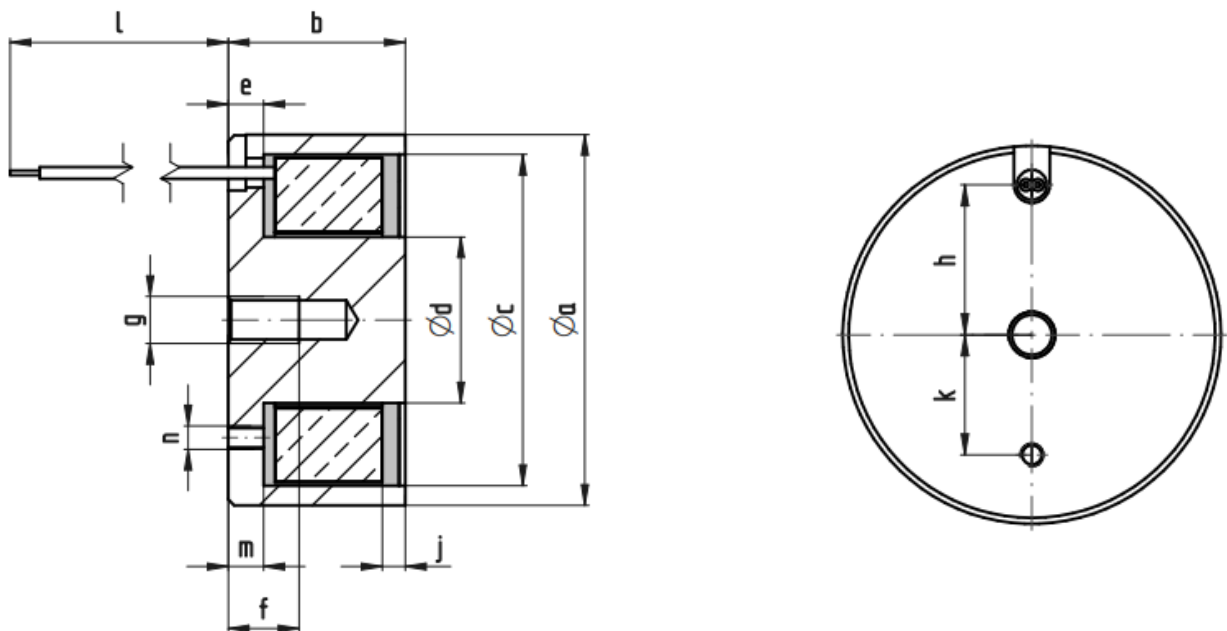
HOLDING ELECTROMAGNETS



Holding electromagnets consist of a **coil and a metal core**. An electric current flowing through the coil winding creates a magnetic field in the core of the holding electromagnet.



Holding electromagnets have great holding power - electromagnets with a diameter of 25 mm can hold up to 14 kg! Using more electromagnets makes achieving a higher holding force / carrying capacity possible.



SOLLAU S.R.O.

Hřivínův Újezd 212 | 763 07 Velký Ořechov | Česká republika
Tel.: +420 576 013 873 | E-mail: eshop@sollau.cz
IČ: 29261759 | DIČ: CZ29261759

ESHOP.SOLLAU.COM

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Code	E919001	E919002	E919003	E919004	E919005	E919006	E919007	E919008	On request				
a (mm)	18	25	32	40	50	63	80	100	150	180	250	275	300
b (mm)	11	20	22	25,5	27	30	38	43	56	63	80	110	130
c (mm)	16,1	22,3	28,6	35,8	44,7	56,3	72,8	91,3	134	161	223	240	250
d (mm)	8	11,1	14,3	17,9	20,4	28,2	34	42,8	67,9	84,8	117,5	130	130
e (mm)	2	3	4	5	5,5	6	8,5	10	16,5	20,5	28,5	25	25
f (mm)	5	6	6	8	8	12	12	15	24	36	36	40	45
g (mm)	M3	M4	M4	M5	M5	M8	M8	M10	M16	M24	M24	M24	M30
h (mm)	6	9	12	15,5	19	25	33	42	63	77	107	110	115
j (mm)	1	1	1	2	2	3	3	3	3	3	3	3	3
k (mm)	6	7,5	9	13	17	20	25	37,5	55	65	90	90	100
l (mm)	200	600	600	600	600	600	600	600	600	600	600	600	600
m (mm)	2	3	4	5	5,5	6	8,5	10	16,5	20,5	28,5	25	25
n (mm)	M3	M3	M3	M3	M3	M4	M4	M5	M6	M8	M8	M8	M10
Working cycle	100%												
Voltage	24 VDC +/- 10%												
Holding force (N)	45	140	240	475	760	1050	2400	3400	9300	15000	30000	40000	45000
Holding force (kg)	4,5	14	24	47,5	76	105	240	340	930	1500	3000	4000	4500
Wattage (W)	1,4	3,2	3,6	5,2	6,5	9	15	20,5	37	50	90	140	140
Protection	IP65												
Protection (free outlets)	IP00												
Protection (connector in plastic)	IP54												
The thickness of the armature (mm)	2	3	4	4,5	6	7	9	11	18	22	30	35	45
Weight (kg)	0,02	0,07	0,11	0,2	0,3	0,55	1,2	2,1	6,4	10,5	25,9	39	60

None of the standard holding magnets is suitable for you? Please contact us, we shall design a tailor-made solution for you.

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