

Shallow Pot Holding Systems

Magnet sales has a variety of different Shallow Pots. All of which have the basic structure of a magnet encased in a steel cup. This design makes them robust and also ensures an additional magnetic hold compared with the magnet being used independently. However different styles are available for different applications and fixing methods. These are as follows:

Style A is a simplistic arrangement consisting of a magnet within a steel cup.

Style B, once again, is a magnet contained in a steel cup yet with an externally threaded stud.

Style C pots, on the active face, have a countersunk hole and can be easily fixed using a countersunk screw.

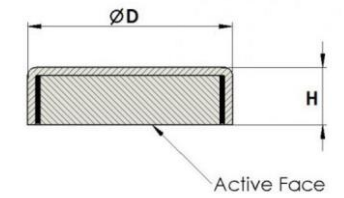
Style D pots have a through hole mounting on the active face. Using a cap screw, these can be easily fixed into position.

Samarium Cobalt Shallow Pot (Max Temp +150°C)						
Dimensions (mm)						
Part Number	Style	ØD	H	Ød	L	Holding Force (kg)
SMSP 00106	A	6	4	-	-	0.5
SMSP 01475	A	8	4.5	-	-	1.1
SMSP 00107	A	10	5	-	-	2.0
SMSP 00165	A	13	5	-	-	4.0
SMSP 00166	A	17.5	5	-	-	6.0
SMSP 00137	A	25	9	-	-	15.0
SMSP 01663	B	25.4	7.3	M8	12.3	12.0

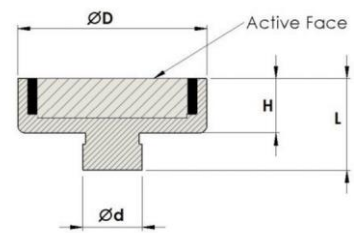
Ferrite Pot with Steel Cap (Max Temp +120°C)				
Dimensions (mm)				
Part Number	Style	ØD	H	Holding Force (Kg)
SFSP 00171	A	10	4.5	0.4
SFSP 00172	A	13	4.5	0.9
SFSP 00173	A	16	4.5	1.8
SFSP 00174	A	20	6	2.8
SFSP 00108	A	25	7	4.0
SFSP 00175	A	32	7	8.0
SFSP 00176	A	40	8	13.0
SFSP 00177	A	50	10	24.0
SFSP 00178	A	63	14	32.0
SFSP 00179	A	80	18	60.0

Alnico High Temp Shallow Pot (Max Temp + 500°C)						
Dimensions (mm)						
Part Number	Style	ØD	Ød1	H	Tapered Screw	Holding Force (kg)
ALSP 00217	C	19.1	4.2	7.6	M4	3.0
ALSP 00218	C	28.6	5.2	8.7	M5	5.0
ALSP 00219	C	38.1	5	10.6	M5	13.0

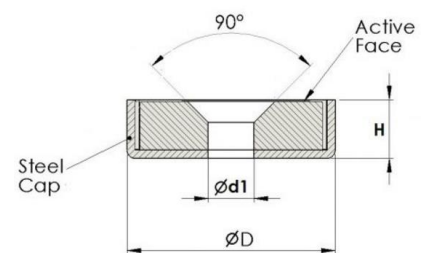
Supplied Magnitised and Kept



Style A

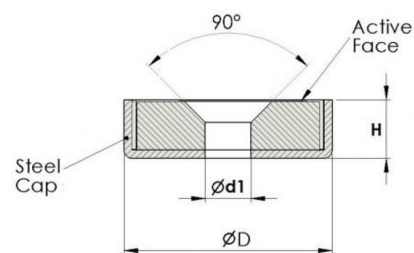


Style B



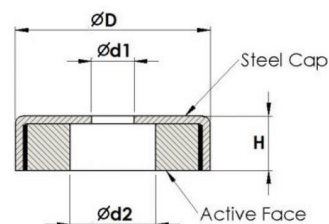
Style C

Neodymium Pot with Centre Hole (Max Temp +80 ⁰ C)							
Dimensions (mm)							
Part Number	Style	ØD	Ød1	Ød2	H	Tapered Screw	Holding Force (Kg)
NISP 01420	C	16	3.2	-	4.5	M3	6.5
NISP 01599	C	20	4.5	-	6.0	M4	8.0
NISP 01600	C	25	4.5	-	7.0	M4	14.5
NISP 01574	C	32	5.5	-	7.0	M5	21.5
NISP 01601	C	40	5.5	-	8.0	M5	40.0
NISP 01760	D	48	8.5	16.0	11.5	M8	65.0
GENERAL TOLERANCES ± 0.15							



Style C

Ferrite Pot with Centre Hole (Max Temp +120 ⁰ C)							
Dimensions (mm)							
Part Number	Style	ØD	Ød1	Ød2	H	Tapered Screw	Holding Force (Kg)
SFSP 00168	C	16	3.2	-	4.5	M3	1.8
SFSP 00109	C	20	4.2	-	6	M4	2.7
SFSP 00110	C	25	5.5	-	7	M5	3.6
SFSP 00111	C	32	5.5	-	7	M5	7.2
SFSP 00125	C	40	5.5	-	8	M5	9.0
SFSP 00112	D	50	8.5	22	10	-	18.0
SFSP 00169	D	63	6.5	24	14	-	29.0
SFSP 00933*	C	90	8.5	-	12.5	M8	55.0
SFSP 00499	C	90	10.5	-	12	M8	60.0
SFSP 01947*	C	90	10.5	-	12.5	M10	55.0
GENERAL TOLERANCES ± 0.15 * DENOTES THREADED HOLE							



Style D

Please Note:

Holding Forces are based upon direct contact with a thick, clean mild steel surface. Holding Forces will be reduced with heavily painted or corroded surfaces.

Over tightening screws can lead to cracking and other damage. Therefore these pots should not be used for mechanical holding applications.

Please take care when selecting a screw to use in conjunction with these pots as a steel screw could alter the flux and reduce the magnetic force. We suggest using 304 stainless steel screws where possible.

Before selecting a choice of holding system please consider the working environment of your application.

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