

F314N F314S - Performance Data Sheet

Magnetic Performance and Pull Testing

MAGNET Expert Ltd

Walker Industrial Estate
Ollerton Road
Tuxford
NG22 0PQ
United Kingdom

Telephone: 01777 874 520
Fax: 0870 838 1233

Web: www.first4magnets.com
Email: sales@first4magnets.com

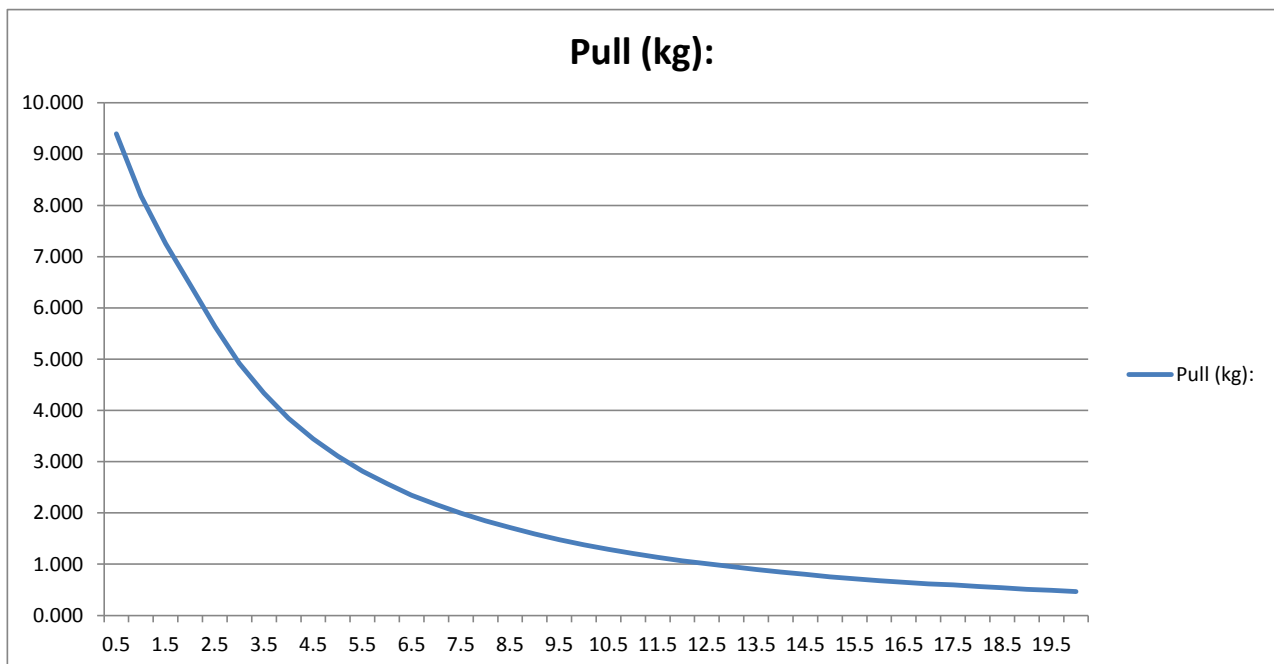
Brief Specification

Part Number: F314N F314S
General Description: 20mm dia x 10mm thick x 5.2mm c/sink / 20mm dia x 10mm thick x 5.2mm c/sink
Material: NdFeB (Neodymium Iron Boron)
Grade: N42
Plating: NiCuNi (Nickel - Copper - Nickel)

Basic Performance Data

Performance:
Vertical Pull (Mild Steel): 10.924kg (Direct Contact)
Slide Resistance (Mild Steel): 2.185kg (Direct Contact)

Pull-Gap Curve Graph



Pull-Gap Curve Data

Air Gap (mm):	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
Pull (kg):	9.393	8.183	7.251	6.451	5.637	4.917	4.335	3.847	3.443	3.108	2.811	2.567	2.346	2.163	1.996	1.844	1.714	1.592	1.478	1.379

Air Gap (mm):	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0
Pull (kg):	1.287	1.211	1.135	1.066	1.006	0.952	0.899	0.846	0.800	0.754	0.716	0.678	0.647	0.617	0.594	0.564	0.541	0.510	0.488	0.465