



am
anchor magnets

MAGNETIC FIXINGS



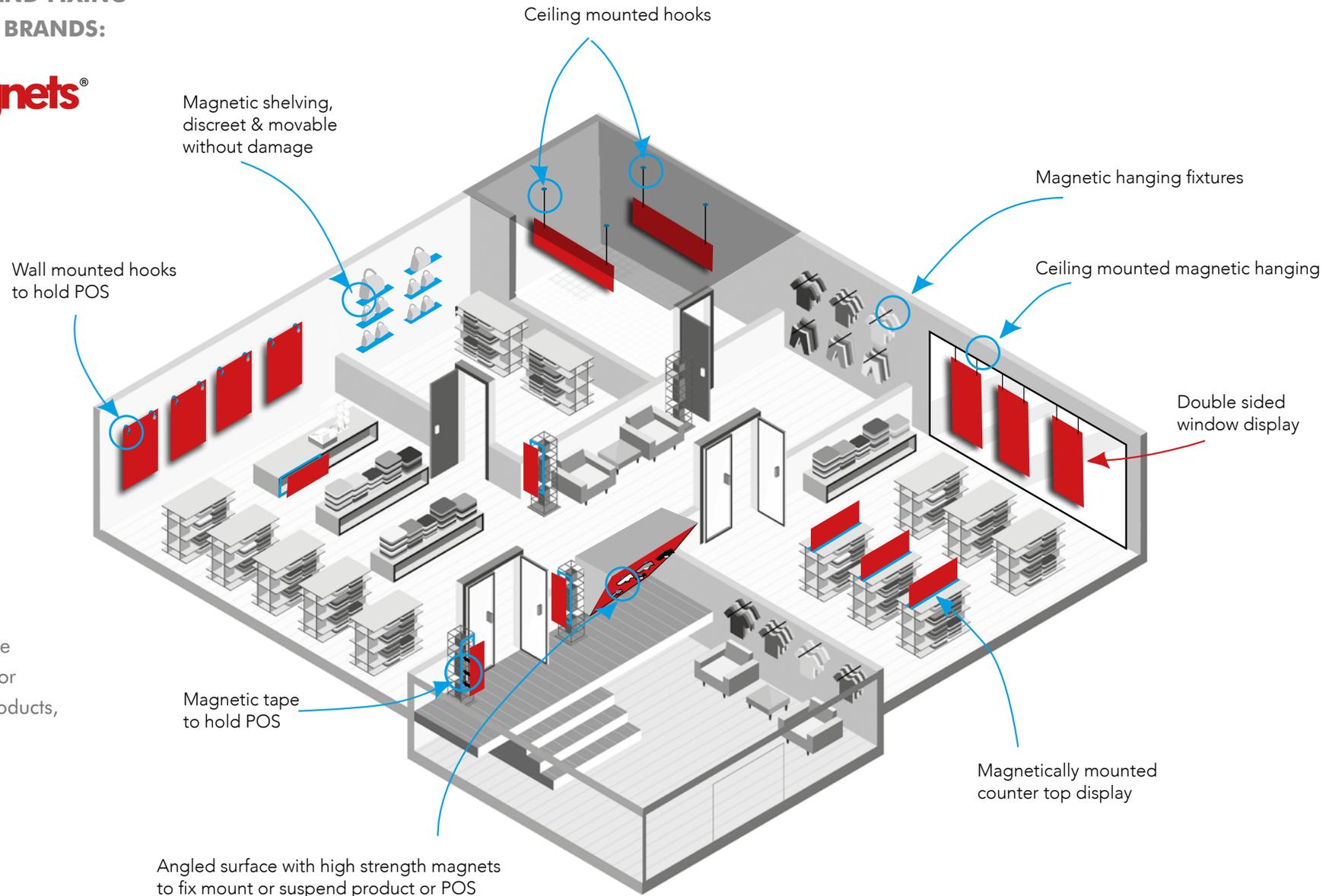
MAGNETIC HOLDING, HANGING AND FIXING PRODUCTS

WE SUPPLY AND MANUFACTURE MAGNETIC HOLDING, HANGING AND FIXING PRODUCTS UNDER THE BRANDS:

boutiquemagnets®
HIGH SHEAR APPLICATIONS

magfix®
MAGNETIC FIXINGS

supaneo®
NEODYMIUM MAGNETS



Our products are used across numerous industries to provide secure and flexible solutions for positioning and displaying products, media, and signage.



supaneo[®]

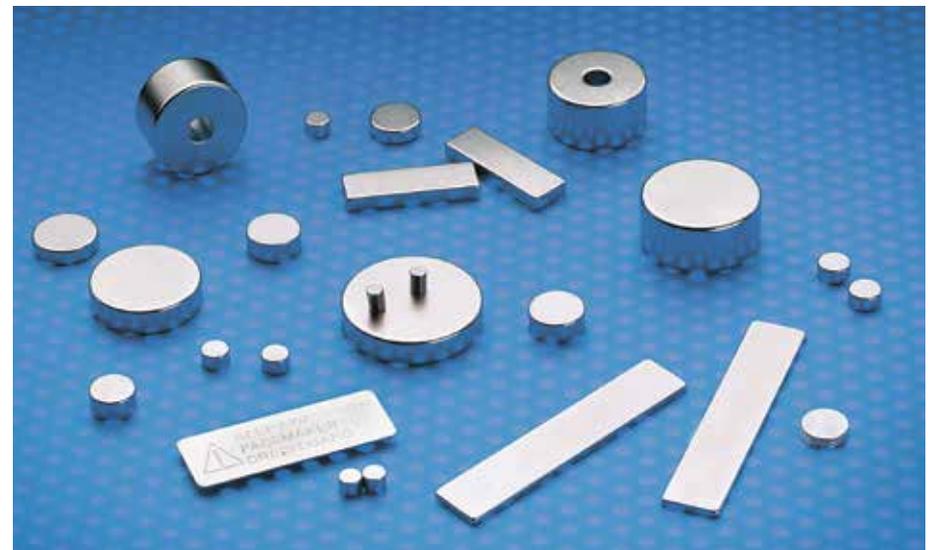
NEODYMIUM MAGNETS

Rare earth neodymium magnets (NdFeB), commonly known as neos are powerful yet discreet magnets. Neos provide a far greater magnetic hold than other magnets at a fraction of the size; this makes neos a versatile option and particularly suited to applications where an unobtrusive solution is required or where space is at a premium.

Our range of neodymium magnets is made up of an array of shapes and sizes to facilitate multiple uses, including but not limited to holding and hanging applications.

All our neodymium magnets are finished with a triple coating of nickel-copper-nickel to prevent corrosion and provide optimum performance up to 60°C.

Our standard stock neodymium magnets are graded at N35, this is the most cost effective rating for use in retail displays, POS, exhibitions and closures. We can also supply higher rated magnets for specialist applications, including magnets for use in high temperature environments.



PRODUCT OPTIONS:



NEODYMIUM DISC MAGNETS

Pull Forces from 0.27kg to 11.44kg

Standard Diameters from 3mm to 25mm

Standard Depths from 0.5mm to 10mm

Self-Adhesive versions are available:

10mmØ x 1mm, 0.3kg pull force

20mmØ x 1mm, 1.5kg pull force



NEODYMIUM BAR MAGNETS

Pull Forces from 1.048kg to 17.559kg

Standard Lengths from 10mm to 50mm

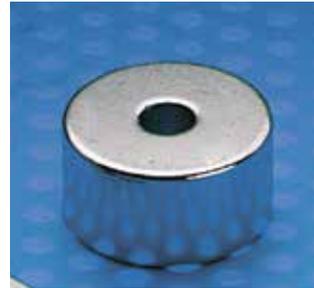
Standard Widths from 4mm to 22mm

Standard Thickness from 1.5mm to 18mm

Self-Adhesive versions are available:

50mm x 10mm x 1.5mm, pull force 2.5kg

25mm x 10 mm x 1 mm, pull force 1.5kg



NEODYMIUM RING MAGNETS

Pull Forces from 2.082kg to 18kg

Standard External Ø from 12mm to 136mm

Standard Internal Ø from 4mm to 84mm

Standard Thickness from 5mm to 10mm



COUNTERSUNK NEODYMIUM MAGNETS

Standard External Ø 12mm or 20mm

Standard Internal Ø 4mm or 6.4mm

Standard Thickness 5mm

See appendix 1.0 for our standard range of **supaneo**[®] rare earth neodymium magnets.

BESPOKE SIZING & RATINGS

For specialist industries or applications we can supply neodymium magnets of different sizes and strengths with different operating tolerances. Please contact us for advice on which neo would best suit your application.



boutiquemagnets®

HIGH SHEAR APPLICATIONS

We've designed our **boutiquemagnets®** to provide superb shear resistance by encasing multiple neodymium magnets in rubber. This allows the magnets to resist shear forces that would cause other types of magnet to slide along the surface upon which they're mounted, and also prevents surface marking.

The high pull strength of the enclosed neodymium magnets coupled with the shear resistance makes **boutiquemagnets®** an ideal choice for securing signage and retail POS material and displays.

Our rubber coated **boutiquemagnets®** are available in a range of diameters with different fixings or apertures to suit a wide array of usage in a variety of situations.



PRODUCT OPTIONS:



43mm Ø x 6mm

Shear Resistance: $\leq 4\text{kg}$

Pull Force: $\leq 8\text{kg}$

Standard Fixings:

M4 boss x 3.5mm, thread depth 6.5mm

M4 boss x 6mm, thread depth 12mm

M4 boss flush, thread depth 3mm, stud option available

Standard Colours: Black or White



50mm Ø x 8mm

Shear Resistance: $\leq 5\text{kg}$

Pull Force: $\leq 10\text{kg}$

Standard Fixing:

M6 boss flush, thread depth 6mm, stud option available

Standard Colours: various colours options available

66mm Ø x 8mm

Shear Resistance: $\leq 8\text{kg}$

Pull Force: $\leq 20\text{kg}$

Standard Fixings:

M6 boss flush, thread depth 6mm, stud option available

M6 boss flush, thread depth 8mm, stud option available

Standard Colours: Black or White

88mm Ø x 8mm

Shear Resistance: $\leq 15\text{kg}$

Pull Force: $\leq 42\text{kg}$

Standard Fixings:

M6 boss flush, thread depth 6mm, stud option available

M6 boss flush, thread depth 8mm, stud option available

Standard Colours: Black or White

See appendix 2.0 for our standard range of **boutiquemagnets®**.

BESPOKE

We manufacture custom **boutiquemagnets®** for certain clients, variations include branding and non-standard sizes or fixings.

Contact us to see how we can assist you by designing and manufacturing a **boutiquemagnets®** specific to your needs.

PRODUCT DATA:

All pull force tests carried out on flat, mild steel, minimum thickness of 2mm.

Different grades of steel, or coatings such as paint can affect magnetic performance.

Pull force figures should be considered as the maximum pull force, not the intended working load.



magfix[®] MAGNETIC PADS

Magnetic pads provide fixing and holding solutions across many industries and are helping to secure items in places you may not have expected to find them from department stores to industrial sites.

If there's a receptive ferrous surface to grip to magnetic pads deliver superior results and are available with various different fixings and apertures.

We design and manufacture magnetic pads in Sheffield, with most starting life as bespoke products before being incorporated into the standard range available today.

If you have any questions about which magnetic pad best suits your requirements or have need of a magnetic pad with a fixing, aperture, pull strength or shear strength we don't currently manufacture we can create a custom product to suit your needs.



PRODUCT OPTIONS:



NEODYMIUM MAGNETIC PADS:

Steel plates backed with rubber enclosed neodymium magnets that provide excellent holding and shear strength.

Originally developed for retail applications such as signage and POS display, our neodymium magnetic pads are now used across numerous industries where high performance and a small size are paramount.

By backing a steel plate with rubber encased powerful neodymium magnets we created a product that is discreet in size, offers superb holding power, and doesn't leave marks, perfect for use in a retail environment where unobtrusive solutions are highly sought after.

The rubber housing to the neodymium magnets provides a high level of shear strength, ensuring the pads will not slide along the ferrous surface upon which they're mounted. This makes them particularly suited to use on vertical or angled surfaces.

We manufacture neodymium magnetic pads with a variety of fixings or apertures, and can design and manufacture custom pads to suit individual requirements.

See appendix 3.0 for our standard range of neodymium magnetic pads.

FERRITE MAGNETIC PADS

Steel plates backed with resin encased ferrite magnets that offer excellent hold strength and provide substantial resistance to shear forces. This makes ferrite magnetic pads an effective solution wherever a smooth ferrous surface is found and aesthetics are not the primary concern, such as industrial sites, warehouse environments and within vehicle roof signs.

Our ferrite magnetic pads are manufactured with an array of fixings or apertures and we can make bespoke pads to suit specific applications.

See appendix 3.1 for our standard range of ferrite magnetic pads.



magfix[®] POT MAGNETS

Our pot magnets are created by encasing a rare earth neodymium magnet in steel, this process concentrates the magnetic contact grip of the finished product.

We manufacture the pot magnets with either a plain finish, countersunk or a choice of fixing studs dependent upon the intended application.

Due to their high magnetic contact grip pot magnets are particularly suited to applications where the holding force is paramount such as retail or external signage.

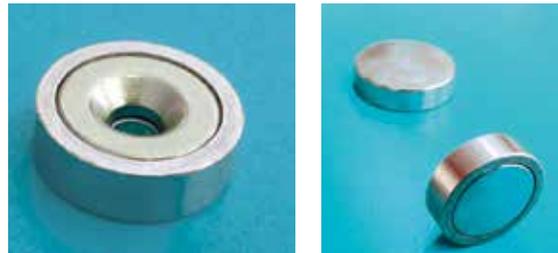
PRODUCT DATA:

Please note neodymium pot magnets have a maximum operating temperature of 60°C

All pull force tests carried out on flat, mild steel, minimum thickness of 2mm.

Different grades of steel, or coatings such as paint can affect magnetic performance.

Pull force figures should be considered as the maximum pull force, not the intended working load.



PRODUCT OPTIONS:

STUDDED

Standard Fixings: M4 or M6 screw thread
Standard Pull Force $\leq 12\text{kg}$, $\leq 20\text{kg}$, $\leq 30\text{kg}$
Standard \varnothing 20mm, 25mm, 32mm
Standard Thickness 6mm or 8mm

PLAIN

Standard Pull Force $\leq 12\text{kg}$, $\leq 20\text{kg}$, $\leq 30\text{kg}$
Standard \varnothing 20mm, 25mm, 32mm
Standard Thickness 6mm or 8mm

COUNTERSUNK

Standard Fixing: M6 countersunk
Standard Pull Force: $\leq 18\text{kg}$
Standard \varnothing 25mm
Standard Thickness 8mm

See appendix 4.0 for our standard range of pot magnets.

BESPOKE CAPABILITIES

If you have a requirement for a different sized pot magnet or fixing please contact us to see how we can assist you further by designing and manufacture a custom product, specific to your needs.

magfix[®] MAGNETIC HOOKS

Magnetic hooks provide a versatile, simple and effective method of mounting signage, media and POS information wherever a receptive horizontal or vertical ferrous surface is available. They can also be used in conjunction with adhesive backed steel discs, which create a receptive surface upon which the hooks can be positioned.

Quick to install reposition or remove, magnetic hooks are an adaptable choice and allow for the displayed material to be changed quickly with a minimum of effort.

We supply a range of different hooks to suit various situations and requirements including rare earth neodymium hooks that are small yet powerful and especially suited to use in retail.

See appendix 5.0 to 5.3 for our standard range of magnetic hooks.



APPENDIX 1:

supaneo[®]

NEODYMIUM MAGNETS

Disc (mm)

Diameter	Thickness
3	4
5	1.5, 3
6	3
8	1, 4, 8
10	1, 2, 3, 4, 5, 6, 7
12	2, 4, 6
15	2, 3, 4
18	2
20	2, 3, 5
25	3, 5, 10, 20
Adhesive backed	
10	1
15	1
20	1

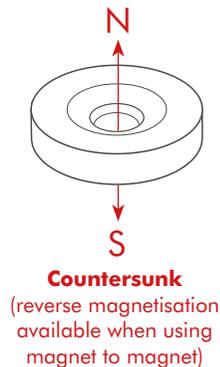
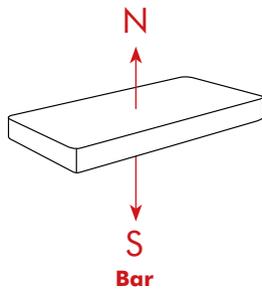
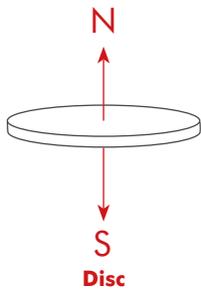
Rectangular Bar (mm)

Length	Width	Thickness
10	16	1.7
20	4	2
20	6	1.5
25	8	3
25	10	3
30	12.5	1.5
50	10	1.5
Adhesive Backed		
50	10	1
25	10	1

Countersunk (mm)

Outer Dia.	Inner Dia.	Thickness	Magnetisation
12	4	5	N/S
20	6.4	5	N/S
20	6.4	5	S/N

MAGNETISATION



APPENDIX 2:

boutiquemagnets[®]

HIGH SHEAR APPLICATIONS

Product Codes	Size (mm)	Colour	Fixing	Shear Resistance	Pull Force (kg)	Boss Base	Stud Option
AMD 1661-N	43 x 6	Black	M4 Boss x 6mm	up to 4kg	up to 8	Closed	No
AMD 1662-N	43 x 6	White	M4 Boss x 6mm	up to 4kg	up to 8	Closed	No
AMD 1667-N	43 x 6	White	M4 Female	up to 4kg	up to 8	Closed	Yes
AMD 1469-A	43 x 6	Black	M4 Boss x 3.5mm	up to 4kg	up to 8	Closed	No
AMD 1801-N	50 x 8	Multi	M6 Female	up to 5kg	up to 10	Closed	Yes
AMD 1653-N	66 x 8	Black	M6 Female	up to 8kg	up to 20	Open	Yes
AMD 1668-N	66 x 8	White	M6 Female	up to 8kg	up to 20	Closed	Yes
AMD 1657-N	88 x 8	Black	M6 Female	up to 15kg	up to 42	Closed	Yes
AMD1658-N	88 x 8	White	M6 Female	up to 15kg	up to 42	Closed	Yes

Stud options include: M6 x 10mm, 12mm, 16mm, 20mm, 30mm, 50mm;
M4 x 10mm, 12mm, 16mm, 20mm, 25mm.

NB. Strength tests were carried out in ideal conditions onto flat, mild steel at least 2mm thick. Different types of steel or any paint or coating will affect magnetic performance. The strength figures should be considered as the maximum pull force, not a safe working load.

APPENDIX 3:

neopads

HIGH SHEAR STRENGTH PADS

Code	Product Name	Length (mm)	Width (mm)	Depth (mm)	Pull Force (kg)	Shear Resistance (kg)	Fixings
AMD 1380-A	neopad 1	60	40	7	≤ 10	≤ 7	6mm Hole
AMD 1397-A	neopad 1	60	40	7	≤ 10	≤ 7	M6 Stud
AMD 1396-A	neopad 2	100	60	7	≤ 20	≤ 15	M6 Stud
AMD 1383-A	neopad 4	60	40	7	≤ 10	≤ 7	Hook
AMD1693-A	neopad 5	100	60	7	≤ 20	≤ 15	Hook
AMD 1388-A	neopad 6	55	18	7	≤ 2.5	≤ 1	2x6mm Hole
AMD 1594-A	neopad 4	110	40	8	≤ 30	≤ 15	M6 Stud
AMD 1593-A	neopad 4	110	40	8	≤ 30	≤ 15	2x6mm Hole
AMD 1592-A	neopad 4	110	40	8	≤ 30	≤ 15	N/A
AMD 1829-A	neopad 4	110	40	8	≤ 30	≤ 15	2xM6 Stud

APPENDIX 3.1:

am Mag Pads

Product Name	Length x Width x Thickness (mm)	Pull Force (kg)	Shear Resistance (kg)	Fixing
Mag Pad 1	79 x 53 x 12	≤ 9	≤ 5	Stud: M6 x 16mm
Mag Pad 2/1	75 x 39 x 6	≤ 4	≤ 2	65mm Hole Centres
Mag Pad 2	75 x 39 x 12	≤ 5	≤ 3	65mm Hole Centres
Mag Pad 3	100 x 39 x 12	≤ 6.5	≤ 5	90mm Hole Centres
Mag Pad 4	127 x 102 x 12	≤ 25	≤ 22	Stud: M6 x 16mm
Mag Pad 5	104 x 53 x 8	≤ 8	≤ 7	Stud: M6/M5 x 32mm
Mag Pad 8	73 x 23 x 8	≤ 1.5	≤ 1	63mm Hole Centres

APPENDIX 4:

am Pot Magnets

Neo Pot Style	'A' Diameter (mm)	Code	'B' Thickness (mm)	Pull Force (kg)	Fixing
Studded	32	AMD 1712	8	≤ 30	M6
	25	AMD 1715 AMD 1710 AMD 1717	8	≤ 20	M4 M6 M4
	20	AMD 1714 AMD 1713	6	≤ 12	M4 M6
No Stud	32	AMD 1719 AMD 1664	8	≤ 30	N/A
	25	AMD 1427	8	≤ 20	N/A
	20	AMD 1711	6	≤ 12	N/A
Countersunk	25	AMD 1736	8	≤ 18	M6 C/S

APPENDIX 5:

am Ferrite Hooks

Diameter (mm)	Pull Force (kg)	Code
20	≤ 2	FP20
25	≤ 4	FP25
32	≤ 8	FP32
36	≤ 10	FP36
40	≤ 12	FP40
47	≤ 18	FP47
50	≤ 22	FP50
57	≤ 22.5	FP57
63	≤ 32	FP63

APPENDIX 5.1:

am Neo Hooks

Diameter (mm)	Pull Force (kg)	Code
23	≤ 9	NP23

APPENDIX 5.2:

am Plastic Neo Hooks

Diameter (mm)	Pull Force (kg)	Fixing
16	≤ 2	eyelet
16	≤ 2	hook

APPENDIX 5.3:

am Neo Hooks

Diameter (mm)	Depth (mm)	Pull Force (kg)	Code
15	15	≤ 5	NM/DP/15
20	16	≤ 12	NM/DP/20

For further information on any of our products please contact us:

T: +44 (0) 114 244 1171

E: sales@anchormagnets.com

W: www.anchormagnets.com



BESPOKE OPTIONS:

Anchor Magnets Ltd is dedicated to the innovation, design and manufacture of new magnetic products.

Our skills, experience and manufacturing capabilities allow us to create bespoke products for any industry or requirement.

Contact us to see how we can provide assistance and add value at any stage from conception to production to installation.





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