



Precision™

PLS 24 PRO

CONCEALED MAGNETIC CATCH

Heavy Duty Concealed Magnetic Catch suitable for full size doors
(e.g. wardrobe/cupboard, double internal doors).

- Can be used anywhere a roller/ball catch etc. would normally be fitted.
- As magnets don't touch (after installation)
 - the catch will never wear out!
 - Lifetime guarantee (for magnetism).
 - can be painted over.

- No latch noise** when opening and shutting door (unlike a roller/ball catch)
- Completely concealed** when door closed, no unsightly protruding strike plate lip (unlike a roller/ball catch).
- Can be used to help keep problem doors shut (e.g. with weak door closers, electric strikes, weak roller mortice locks, double sliding doors).

- Quick and easy to install** - No chiseling required. Ezifit s/steel housing cup automatically sets the magnets perfectly parallel to each other, essential for precise power adjustment.

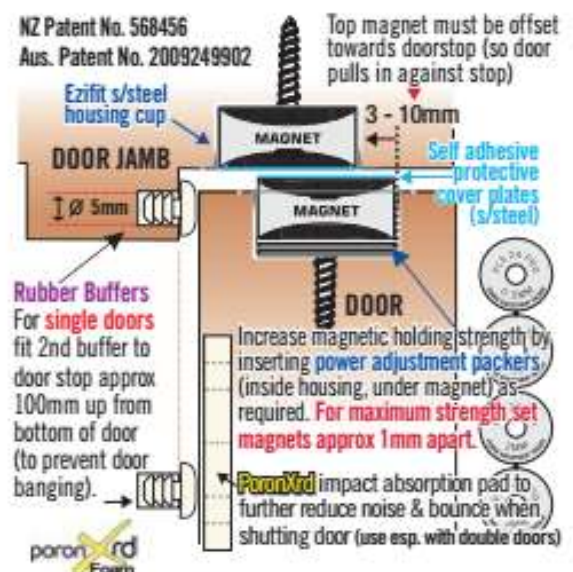
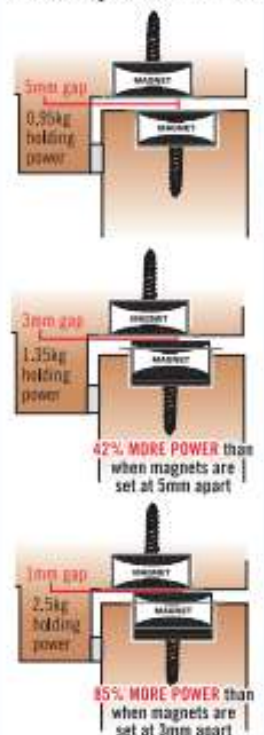
- Power Adjustment packers** increase magnetic holding strength by inserting power adjustment packers (inside housing, under magnet) as required. (See picture). Supplied in four sizes; 0.5mm - 3mm thick, for precise power adjustment.

- Self Adhesive/Magnetic Cover Plate** (Brushed S/Steel)
 - Protects magnets from impact damage during installation.
 - Protects magnets from corrosion.
 - Conceals magnet and screw head for a more attractive finish.

- Poron Xrd Foam impact absorption pad**
 - Use (esp. with double doors) to further reduce impact noise and bouncing of door on frame when shutting.
 - Low compression set - After impact, foam pad will return to its original thickness indefinitely.



Power Adjustment Guide:



Drill Ø23-24 mm holes approx 10mm deep into door and jamb to accept s/steel housing cups.
(Recommended - Precision FB-23 Forstner Drill Bit)

**DESIGNED AND ASSEMBLED IN NZ USING NZ
MADE AND IMPORTED COMPONENTS.**

Double Doors example (incl. poron Xrd Foam impact absorption pads).



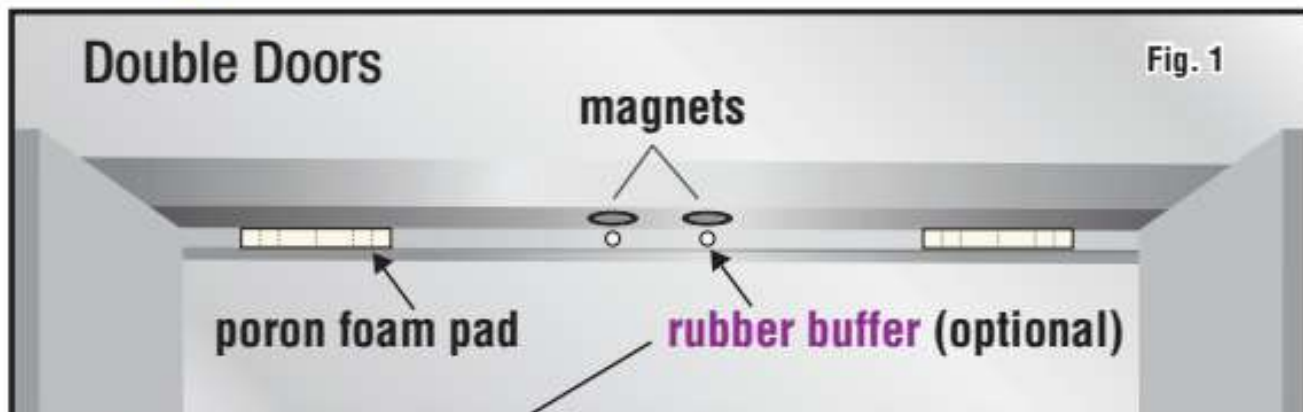
Top of door example (shown adjusted to maximum strength setting)



Sliding door example



Single door example



1. Set magnetic catch to maximum strength.



2. Remove **end segment** only of adhesive backing paper (see picture at bottom of card **Fig. 4**).

3. Affix foam pad onto doorstep - close to hinge end. (**Fig. 2**)

4. Reposition pad **incrementally** along doorstep - towards magnetic catch end until gap between door and frame (at magnetic catch end) has been reduced/increased to approx. 3mm (1/8") when closed. (**Fig. 3**)

5. Mark position, remove remaining backing paper from pad and affix to door stop.

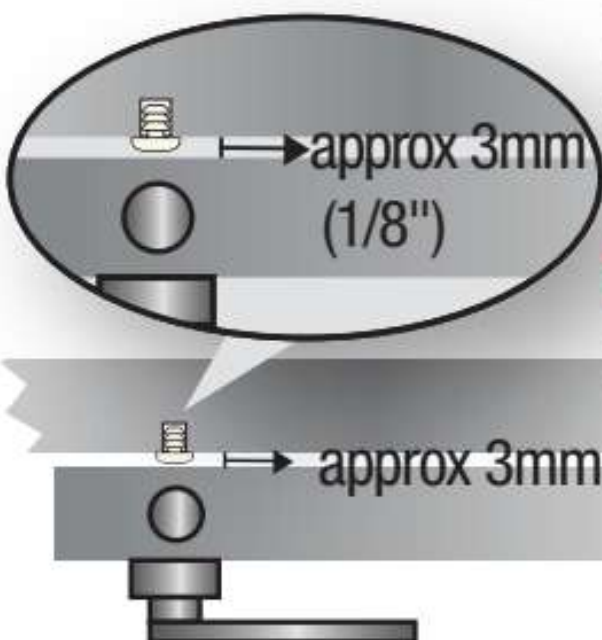


Fig. 3

**Rubber buffer
alternative option**

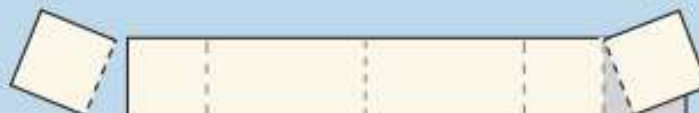
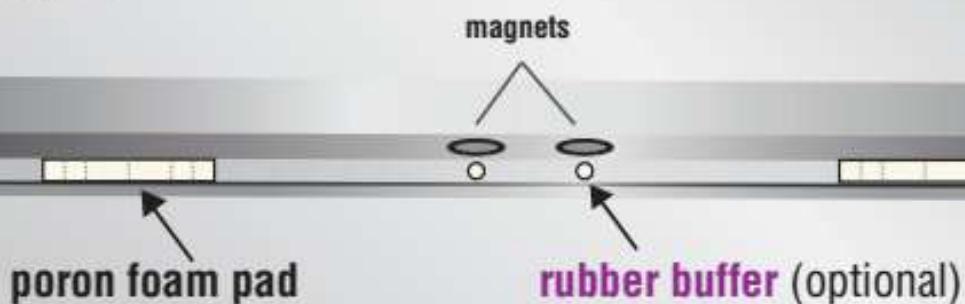


Fig. 4

Tear-away foam pad at perforated lines as required and affix to door stop - as an alternative to **drill-in rubber buffers** (see rear sticker of container for single/double door positioning details).

Double Doors

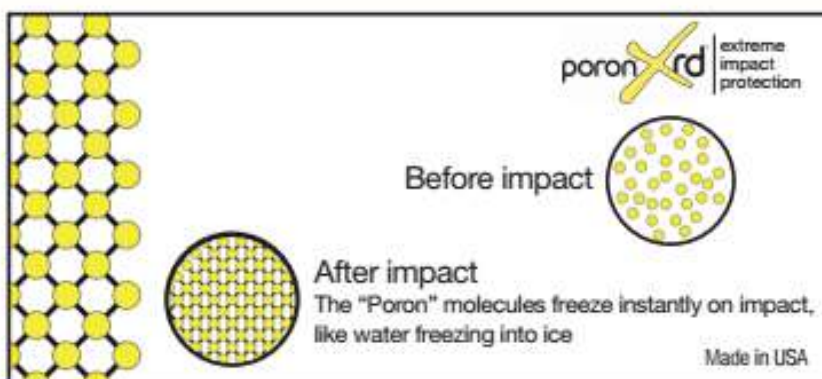


Single Door

magnet

Poron Xrd Foam impact absorption pad

- Greatly reduces impact noise and bouncing of door on frame when shutting.
 - Low compression set - After impact, foam pad will return to its original thickness indefinitely.
 - Self adhesive backing - no drilling required.
 - Colour - off white.
- Modular design allows for the foam pad to be separated into smaller units - to suit a variety of applications (tear-away foam at perforated lines as required).



PrecisionTM

PLS12PRO

CONCEALED MAGNETIC CATCH

INCLUDES

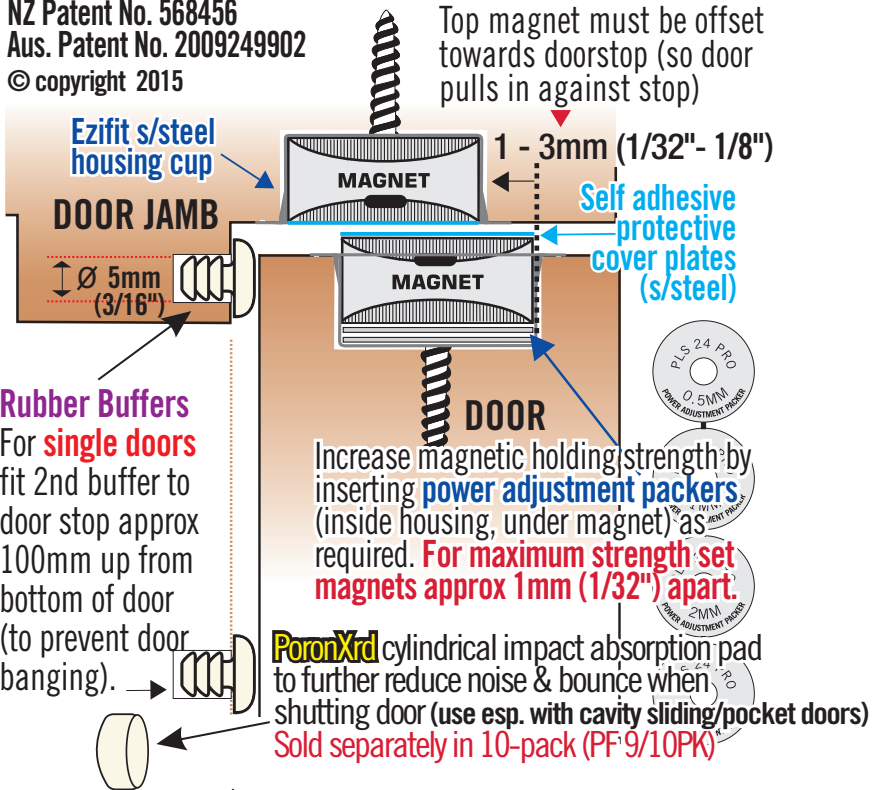
- Power adjustment packers
- Ezifit s/steel housing cups
- Drill-in rubber buffers
- Self adhesive s/steel cover plates for 'concealed fix' appearance and corrosion protection.



Suits door thickness 16mm(5/8") - 30mm(1 1/4")

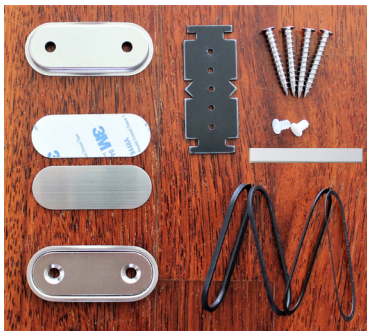


USA Patent No. 8,864,188
UK Patent No. 2472171
NZ Patent No. 568456
Aus. Patent No. 2009249902
© copyright 2015



Drill Ø 12mm (1/2") holes approx 10mm (3/8") deep into door and jamb to accept s/steel housing cups. (Recommended - Precision FB-12 Forstner Drill Bit)

**DESIGNED AND ASSEMBLED IN NZ USING NZ
MADE AND IMPORTED COMPONENTS.**



Precision™

PLS24PRO-XHD

EXTRA HEAVY DUTY CONCEALED MAGNETIC CATCH



Extra heavy duty concealed magnetic catch suitable for large/heavy Interior doors, heavy pivot doors, entrance doors etc.

3X STRONGER | **THAN THE STANDARD PLS24PRO**

NEW FEATURE

SmartBore™ ezifit installation system
No chiselling required!

- Can be used anywhere a roller/ball catch etc. would normally be fitted.
- As magnets don't touch (after installation)
 - the catch will never wear out!
 - Lifetime guarantee (for magnetism).
 - can be painted over.
- No latch noise when opening and shutting door (unlike a roller/ball catch)
- Completely concealed when door closed, no unsightly protruding strike plate lip (unlike a roller/ball catch).
- Can be used to help keep problem doors shut (e.g. with weak door closers, electric strikes, weak roller mortice locks).

- SmartBore™ ezifit installation system** - Much easier & faster to install than traditional 'rectangular face' roller/ball catches etc, due an innovative and patented design/installation process that only requires boring a series of overlapping holes with a 25mm(1") spade bit to create the recesses required to flush mount the magnetic assemblies. **Absolutely no chiselling required!** (see FIG 1).

- Power adjustment spacer rings** - Increase magnetic holding strength by fitting power adjustments rings (under flanged lip of door magnetic assembly) as required. (See FIG 1.5 and FIG 3). **0.5mm to 3mm thick spacer rings supplied for precise power adjustments.**

- Self Adhesive Cover Plate** (Brushed S/Steel)
 - Protects magnets from impact damage during installation.
 - Protects magnets from corrosion.
 - Conceals magnet and screw head for a more attractive finish.
 Adhesive: 3M9448A - provides very high bonding strength and excellent durability.

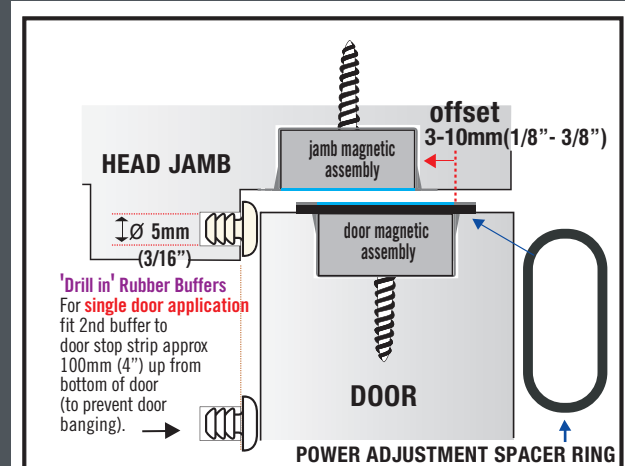
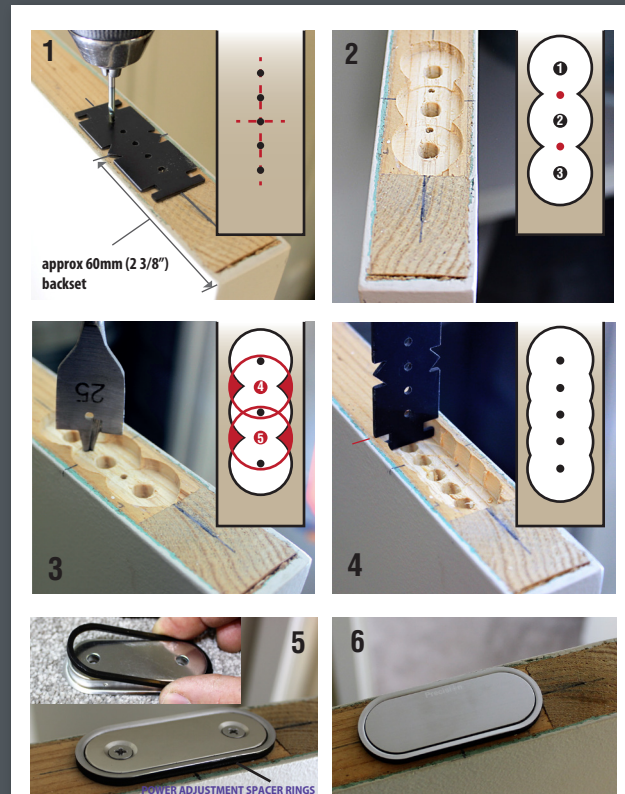
- Poron Xrd Foam impact absorption pad**
 - Use (esp. with double doors) to further reduce impact noise and bouncing effect of door on frame when shutting. Affix self adhesive Poron Xrd foam pad(s) to the door stop strip as required (See FIG 2)
 - Low compression set - After impact, foam pad will return to its original thickness indefinitely.

Sold separately in 10-pack. (PF10PK)

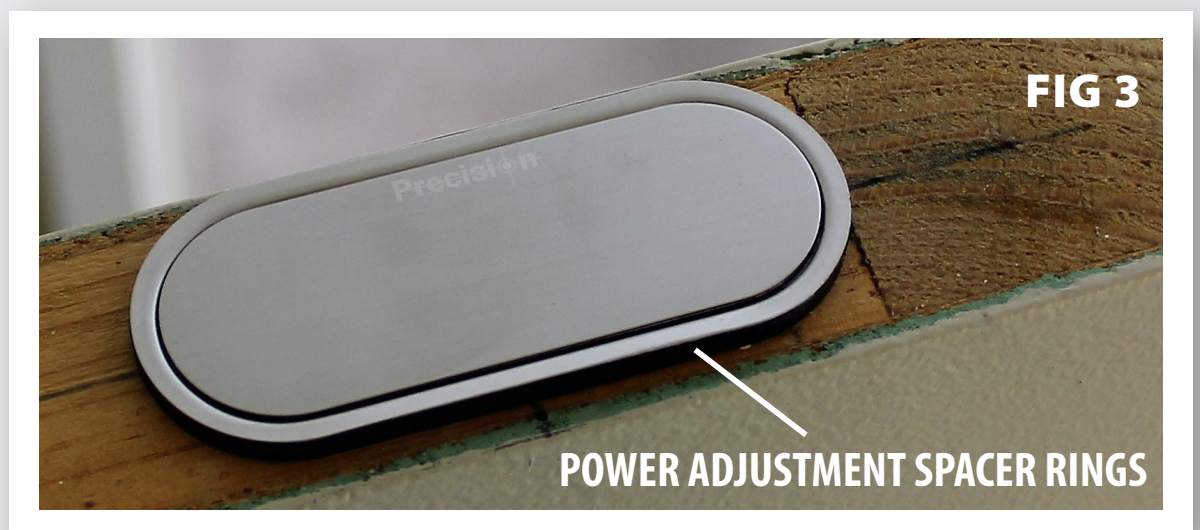
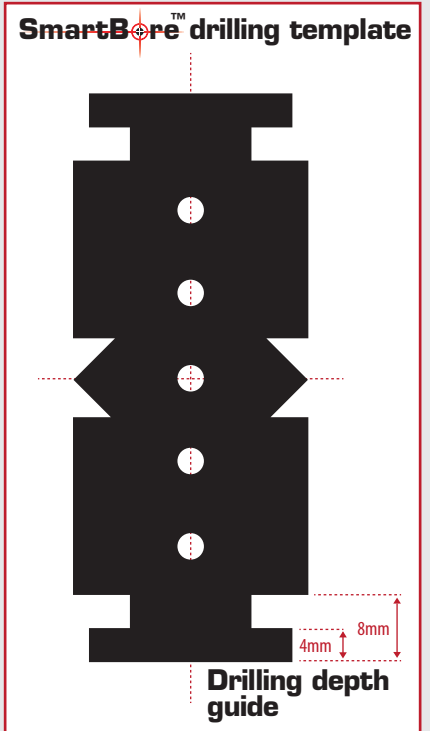
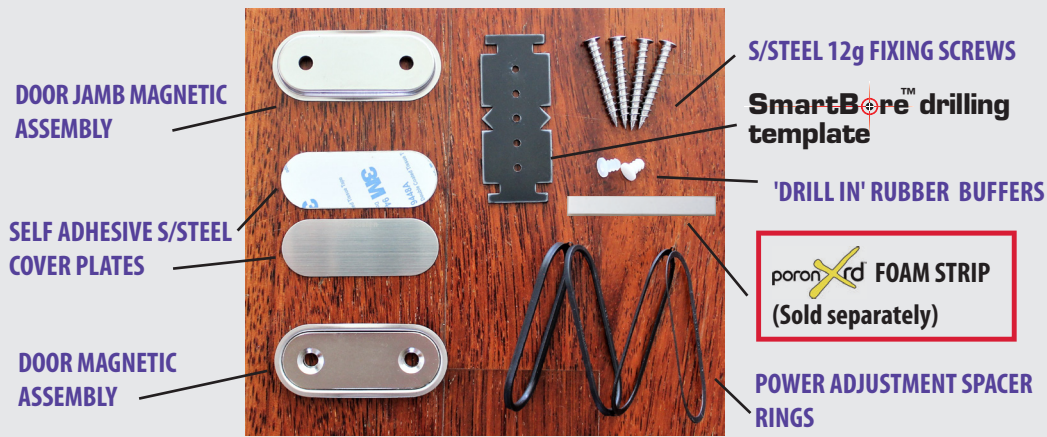
© copyright Precision Lock Services 2020



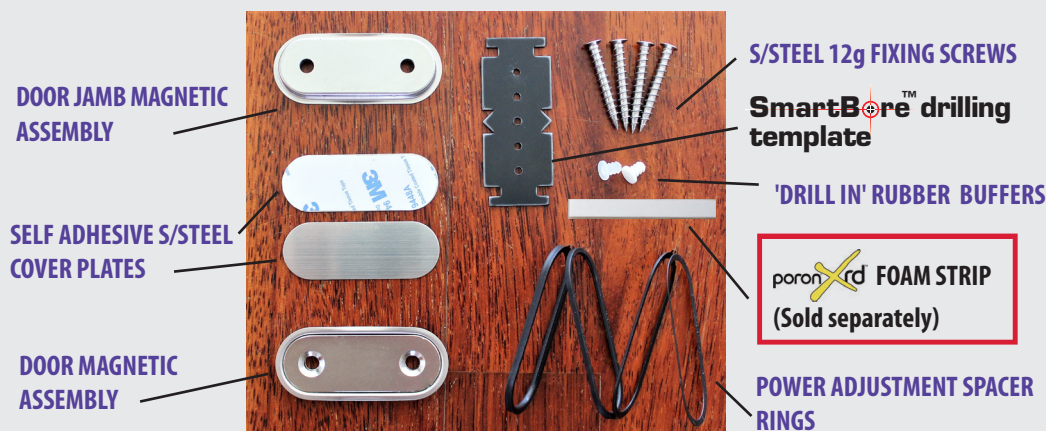
FIG 1



When the door is closed the DOOR JAMB ASSEMBLY must be offset from the DOOR MAGNETIC ASSEMBLY (towards the door stop strip) to function correctly.



INSTALLATION GUIDE



WARNING use extreme caution when handling magnets as the attractant forces are very powerful and if allowed to snap together violently small sharp chips can be thrown off.

SmartBoreTM drilling template

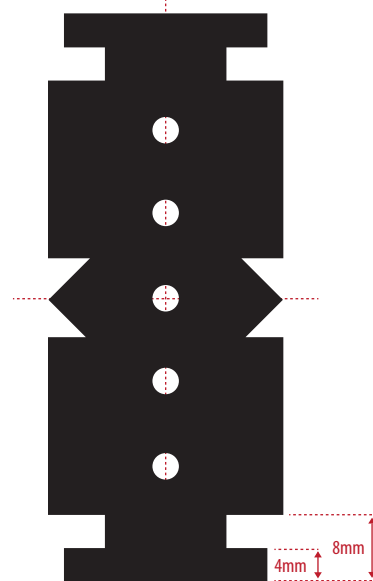
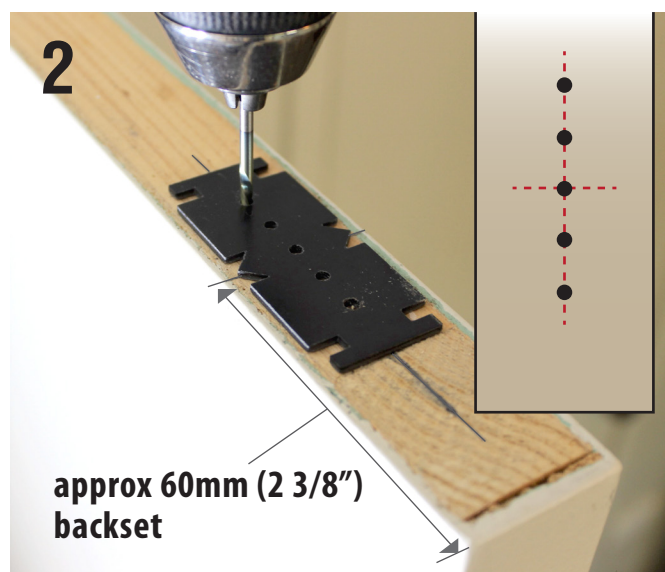
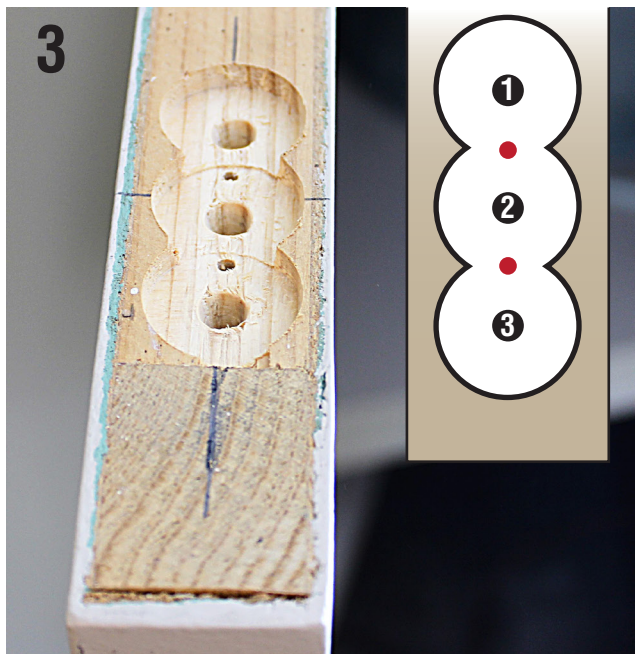


FIG 1



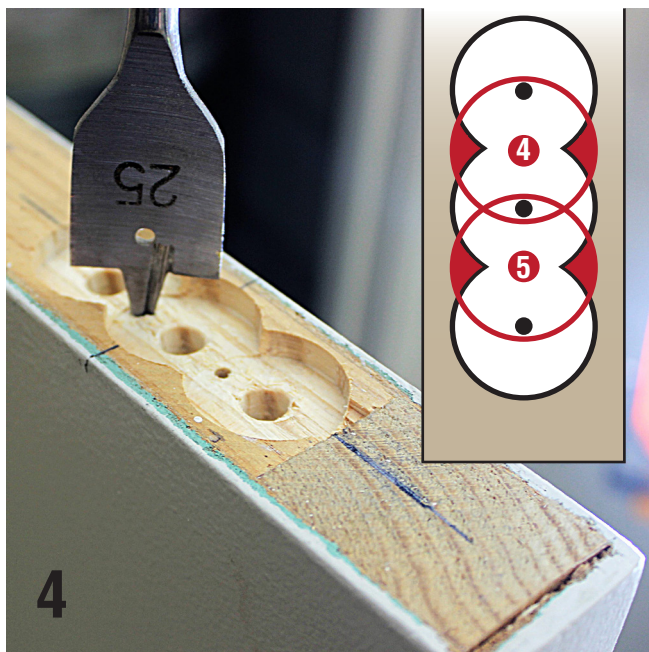
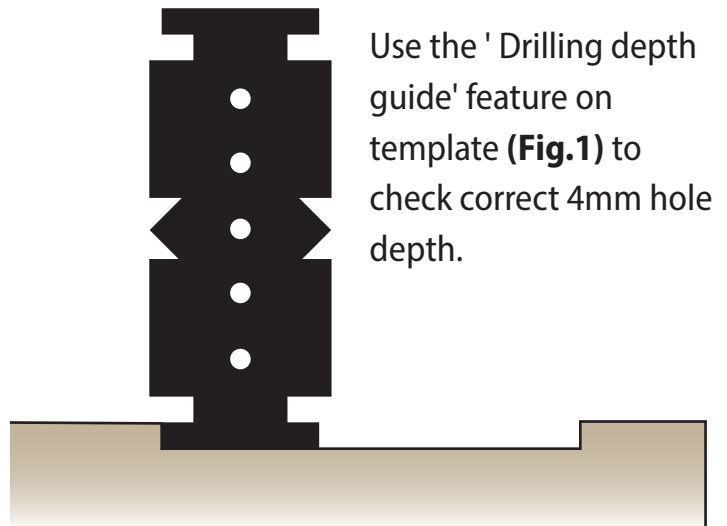
1. Remove magnetic assemblies from packaging. To separate assemblies twist apart sideways. Keep magnetic assemblies at least 1 metre apart (and away from any steel objects) until secured into door and jamb.

2. Measure and mark a centreline onto the top edge of the door. Measure and mark a backset of approx. 60mm (2 3/8") from the 'leading edge' of the door. Position the plastic **SMARTBORE DRILLING TEMPLATE** on the top of door so the templates middle hole and side alignment points are lined up over the intersecting centreline and 'backset mark'. Drill 5 x Ø3mm (1/8") pilot holes through the template into the centreline.



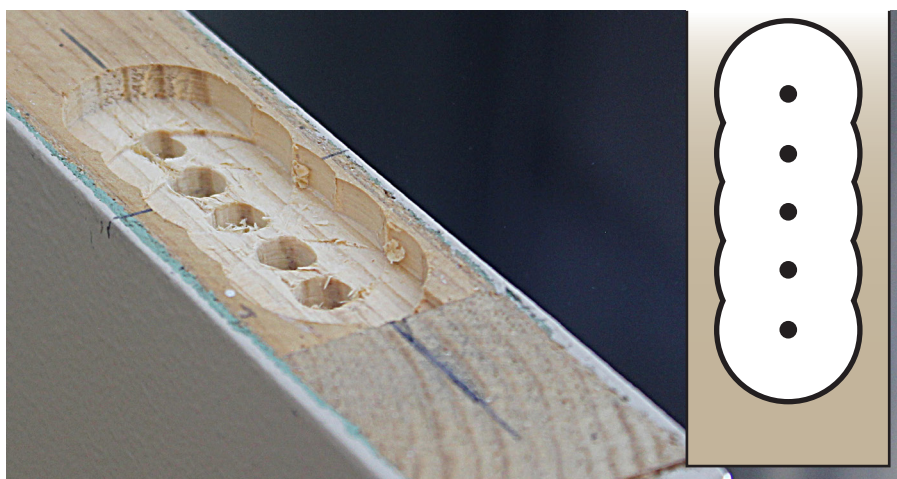
3. Using the 5 x $\text{Ø}3\text{mm}$ ($1/8''$) pilot holes as guides (**Fig.2**), bore 3 x overlapping holes **1**, **2**, **3** with a $\text{Ø}25\text{mm}$ ($1''$) Spade bit, to a depth of approx. 4mm.

3a

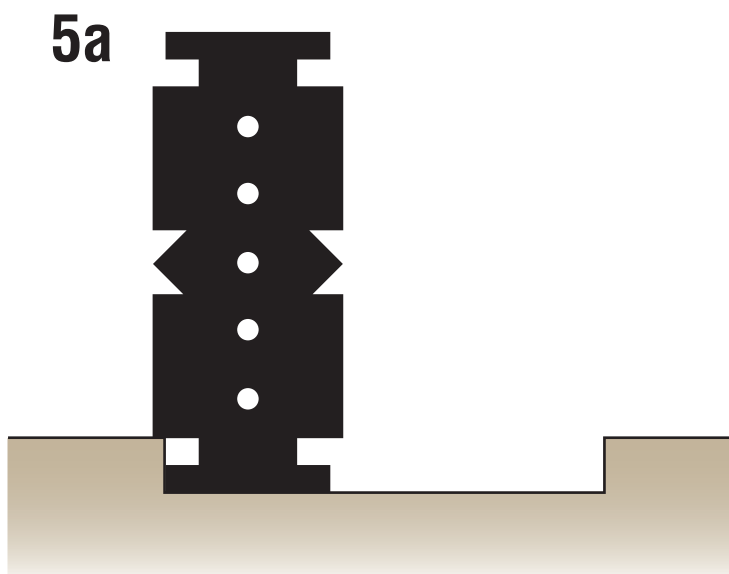
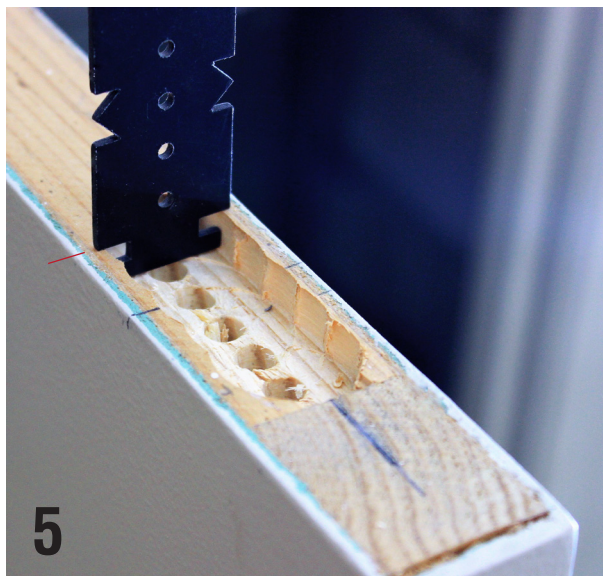


Insert the spade bit's centre guide point into pilot hole bring Power drill up to full speed before slowly and carefully boring out the remaining small **side protrusions**, to the same depth as the surrounding holes

4. Now Bore 2 x more 25mm ($1''$) holes into remaining pilot holes **4**, **5** to remove small **side protrusions**.



Example of all 5 x holes bored to depth of 4mm - ready for next step.



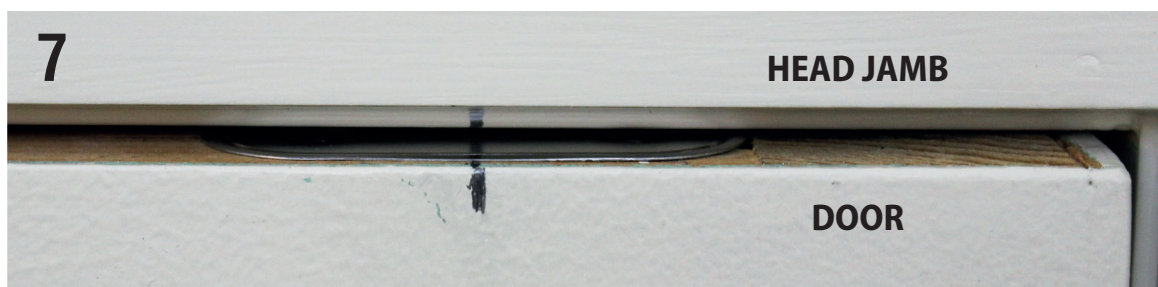
5. Now fully repeat the previously detailed drilling sequence of steps **3. & 4.** to bore out all holes to a new depth of 8mm. Use the 'Drilling depth guide' feature on template (**Fig.1**) to check correct 8mm hole depth (**Fig.5a**).

Note: If the 25mm (1") Spade bit being used has a centre guide point of 16mm (5/8") or longer, it is possible to bore out holes to the final 8mm depth without first boring all holes to the 4mm depth.



6. Insert **DOOR MAGNETIC ASSEMBLY** into top of door and secure with 2 x screws provided.

Be careful not to over tighten screws as this may cause the flanged housing cups to deform and/or cracking in timber.



7. Close the door, then transfer the 'backset mark' up onto the head jamb.

8. Open the door, then continue the 'backset mark' onto the underside face of the head jamb, towards the door stop strip. Measure and mark a centreline along the underside face of the head jamb, intersecting with the 'backset mark'.

Measure approx. 3-10mm

(1/8" - 3/8") from the centreline towards the door stop strip and mark a new 'offset line' parallel to the centreline. Position the

SmartBore drilling template on the

underside face of the head jamb so that the template's middle hole is lined up over the intersecting 'offset line' and 'backset mark'. Drill 5x $\varnothing 3\text{mm}$ (1/8") pilot holes through the template into the 'offset line' then repeat steps **3. & 4.** to create a 4mm then 8mm deep recess in the underside face of head jamb.



9



9. Insert **DOOR JAMB MAGNETIC ASSEMBLY** into head jamb and secure with 2 x screws provided.

Be careful not to over tighten screws as this may cause the flanged housing cups to deform and/or cracking in timber.

10. Close the door to test the magnetic holding strength. **Magnetic holding strength can be greatly increased by decreasing the 'air gap' between the two MAGNETIC ASSEMBLIES.**

If more magnetic holding strength is required, measure the gap between the top of the door and the head jamb to determine how many **POWER ADJUSTMENT SPACER RINGS** should be added (under the **DOOR MAGNETIC ASSEMBLY**) to bring it closer to the **HEAD JAMB MAGNETIC ASSEMBLY**.

Remove the **DOOR MAGNETIC ASSEMBLY** from the top of door, turn the assembly over and fit (1-4x) **POWER ADJUSTMENT SPACER RINGS** onto the assembly, under the flanged lip of the housing cup as shown.

Spacer ring thicknesses range from 0.5mm-3mm (1/64" to 1/8") Refit the **DOOR MAGNETIC ASSEMBLY** into the top of door, test operation and repeat procedure if more holding strength is required.

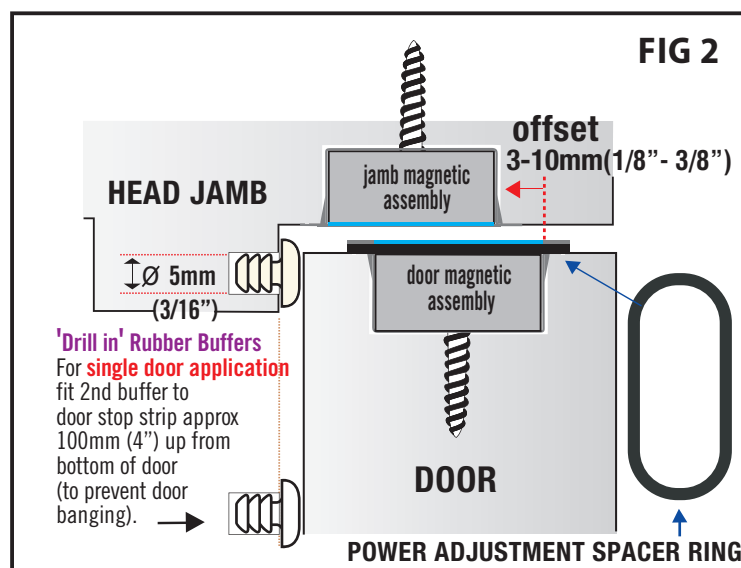




11. Once the desired magnetic holding strength has been achieved, affix the **SELF ADHESIVE S/STEEL COVERPLATES** to the magnetic face(s) of the **ASSEMBLIES** as shown, to protect the magnets from corrosion and for a more attractive 'concealed fix' finish. **(11, 11a)**. Press firmly over the entire surface of the coverplate to ensure maximum adhesion. Remove clear plastic protective film from surface.

Note: make sure metal faces of the assemblies are free from dust /oil etc before affixing coverplates, to insure maximum adhesion strength.

12. Fit the rubber door buffer(s) into the door stop strip, to reduce impact noise and 'bounce' when closing the door. **(FIG 2)**

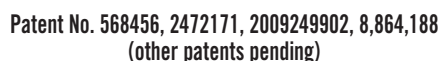


When the door is closed the **DOOR JAMB ASSEMBLY** must be offset from the **DOOR MAGNETIC ASSEMBLY** (towards the door stop strip) to function correctly.

Note: to further reduce impact noise and bouncing effect when shutting door (especially when fitting the PLS24PRO-XHD to a double door set), fit PORON Xrd foam pad(s) to the door stop strip as required. (See 11)

Sold separately in 10 - pack. (PF10PK)





Plexus™

PLS19BCR

CONCEALED MAGNETIC CATCH
(Ball Catch Replacement)

INCLUDES

- Power adjustment spacer plates
- Drill-in rubber buffers

THE LIFETIME WARRANTY SEAL



Fig. 3

Strikeplate/Jamb Magnetic Assembly