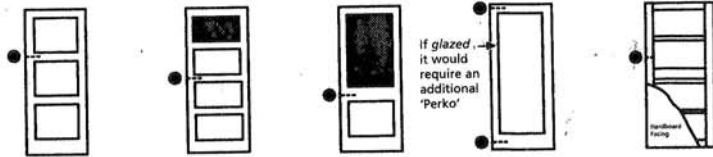


Recommended fixing positions for various pattern doors



Typical doors and suggested fixing positions.
Perko is adjusted to suit all these doors before leaving the factory.
If subsequent adjustment is necessary see Note A in fixing instructions.



For very heavy doors it will be necessary to fit two 'Perko' door closers.



REGISTRATION No. FM09441



The invisible door closer

R21 Rounded Plate

The Perko door closer provides automatic closure of light and medium weight internal doors weighing up to 112lbs (50kg) except those fitted with rising butt hinges, parliament or projecting hinges. Where limited air displacement exists we would recommend the addition of a "TRIP-CATCH" (as manufactured by Perkins & Powell) to reduce latch pressure. Fitting smoke seals can affect the closer's performance. Suitable for use on latched fire-resisting doors subject to approval by appropriate fire authority. (Fire door integrity test B.S.476 part 22 report available on request).

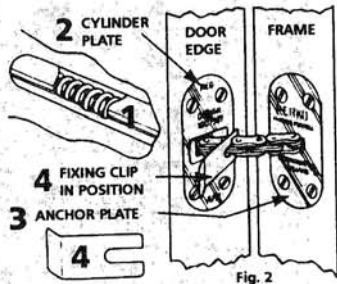


Fig. 2

FIXING INSTRUCTIONS

Place the paper fixing template (Fig. 1) in the required position, ensuring the central dotted line is central in the gap between the door edge and frame. Using a blade/mark a point level with lines A, B + C central on the door edge and frame.
DOOR EDGE:-

Using a 1" bit, FIRST bore holes A and C to a depth of 1/8" only, then bore hole B out to a minimum depth of 8". Insert Perko cylinder into this aperture and by rotating anchor plate 90° screw holes in main cylinder plate will be exposed to allow for fixing with 4 of the screws supplied.

FRAME:-

Similar to above, but bore holes A, B + C to a depth of 1/8" only. By inserting a claw hammer, hooked behind the anchor plate, leverage can be applied and the chain withdrawn from the main cylinder. Withdraw approx. 1/2" of chain and insert the small metal fixing clip (Fig. 2) between the chain links as close to door edge as possible. This will secure the chain and allow the anchor plate to be fitted into the recess with the remaining 4 screws supplied.

ADJUSTMENT

Note A. Adjusting Procedure

1. Fit metal fixing clip (4) as near to cylinder plate (2) as possible.
2. Remove anchor plate (3).
3. Turn anchor plate clockwise to increase tension; anti-clockwise to decrease tension.
4. Re-fix anchor plate (3), remove metal fixing clip (4).

Note B. The distance between the centres of the two fixing plates must not exceed 3 1/8" when the door is opened to its maximum. Should this distance be exceeded e.g. through the use of wide-knuckled hinges, a door stop should be fitted at the appropriate point.

The use of intumescent mastic is referred to in our fire test reports which are available on request.

Samuel Heath & Sons PLC

Leopold Street, Birmingham B12 0UJ, England.
Telephone: 0121-772 2303. Fax: 0121-772 3334.

Sales Office Direct Line: 0121-766 4200.

e-mail: info@samuel-heath.com

www.samuel-heath.com

SELECTION CHART -

		MAXIMUM DOOR OPENING ANGLE		
Door		1 3/8"	1 3/4"	1 3/4"
Hinge		3 X 3"	3 1/2 X 3 1/2"	4 X 4"
	TUBE			
PERKO	5 3/4" regular	98°	73°	67°
PERKO-L	8" long	180°	180°	180°

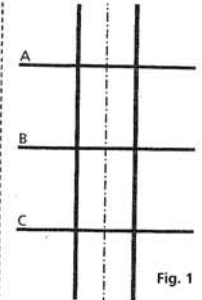


Fig. 1