

Perko & PerkoMatic Concealed Door Closers

Perko A door closer for light or medium weight internal or external doors (subject to specific site considerations such as expected wind load).
Designed to be completely concealed when the door is closed and compact enough to be unobtrusive when the door is opened.

Applications: To provide automatic closure of light & medium weight doors weighing up to 110lbs (50 kg) and adjustable to provide the correct closing force according to the weight of the door.

Dimensions: Brass anchor plates are 2" (50.8mm) high x 1" (25.4mm) wide x 0.1" (2.5mm) thick.

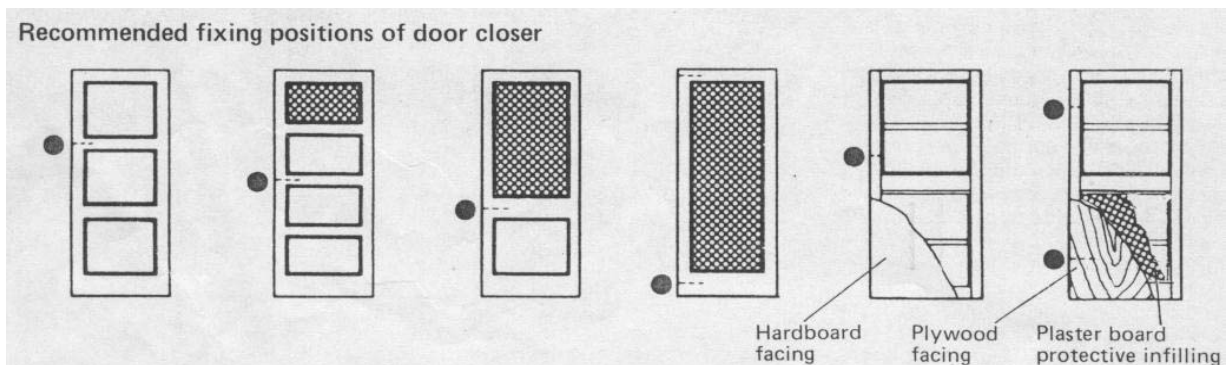
: Tube diameter = $\frac{7}{8}$ " (22 mm)

Selection Chart for Perko R1, R2 & R21			
Door Thickness	1 $\frac{3}{8}$ " (35 mm)	1 $\frac{3}{4}$ " (45 mm)	1 $\frac{3}{4}$ " (45 mm)
Hinge Size	3 x 3" (76x76 mm)	3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ " (89x89 mm)	4 x 4" (101x101 mm)
Maximum Door Opening Angle			
R1 & R2 - Tube length 5 $\frac{3}{4}$ " (146 mm)	98°	73°	67°
R21 - Tube length 8" (203 mm)	180°	180°	180°

Force (in Newtons) required to operate Perko & PerkoMatic Closers		
	To Initially Open the Door	To Hold Door Open at 45°
Perko R1 & R2	8	6
Perko R21	9	10
PerkoMatic R85	13	5

INSTALLATION: Drill a 1" (25.4mm) diameter hole into the butt stile of the door and mortice the closer anchor plate. Cut a recess in the jamb face to receive the chain anchor plate. Adjust the spring tension if necessary by turning the chain anchor plate.

MAINTENANCE: Oil connecting chain and spring cylinder periodically to maintain smooth operation.



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