

## Ball-shaped door lock



- Clamp**  
 Acetal based (POM) technopolymer. Resistant to solvents, oils, greases and other chemical agents.
- Ball**  
 Glass-fibre reinforced polyamide based (PA) technopolymer. Resistant to solvents, oils, greases and other chemical agents.
- Colour**  
 Black, matte finish.
- Assembly**  
 Self-tapping screw  $\varnothing$  4.8 mm. UNI 7981 B or M5 cylindrical head screw with hexagon socket DIN 912.

### Accessories on request

BPS.30-SP: acetal based (POM) technopolymer spacers kit 5, 10, 15 mm (sold separately), black colour in order to compensate possible differences in width between frame and door.

### Features and applications

BPS ball-shaped door lock (ELESA patent) consists of a clamp to be fixed to a frame and a ball to be fixed to a door.

The clamp, in which the ball fixed to the closing door is inserted, is a mechanical stop device also to the door movement, thanks to its shape.

The screws, that fix the clamp and the ball respectively to the frame and to the door, are identical. Thus, making the assembly easier.

Under specific tests, the clamp showed constant performances for more than 20.000 cycles.

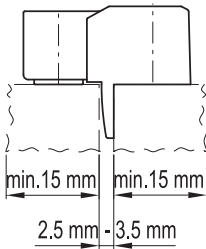
The ball-shaped door lock has been conceived for use with both shutter doors and sliding doors.

The minimum thickness for the profile suitable for use is 15 mm, while the distance between door and frame must be within 2.5 mm and 3.5 mm (fig. 1).



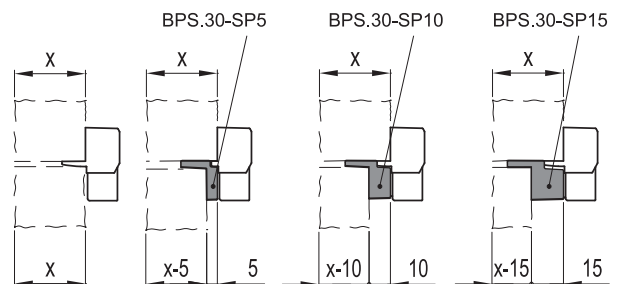
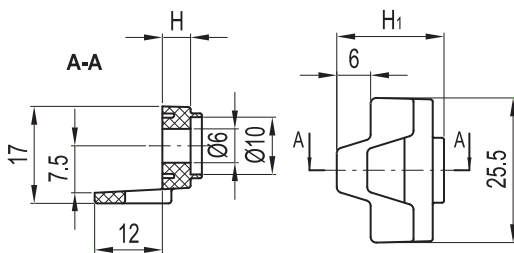
13  
630  
Latches

Fig.1

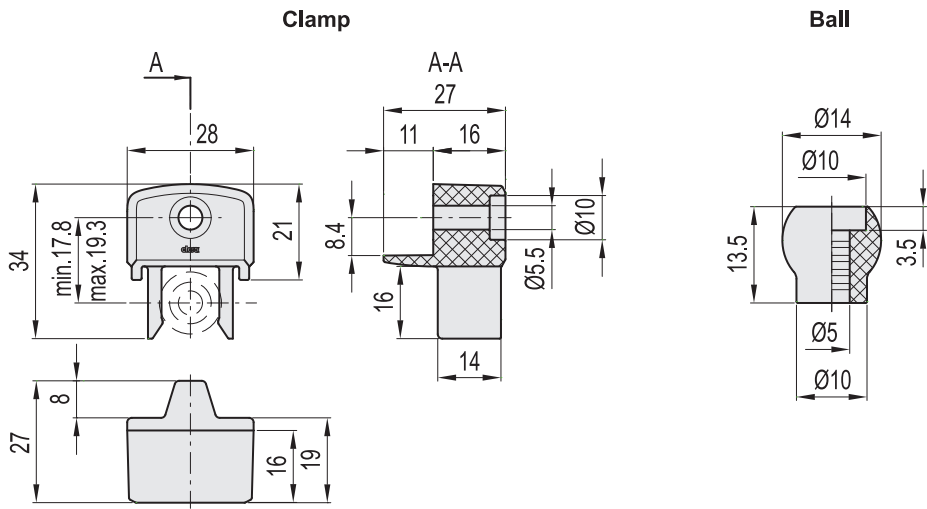
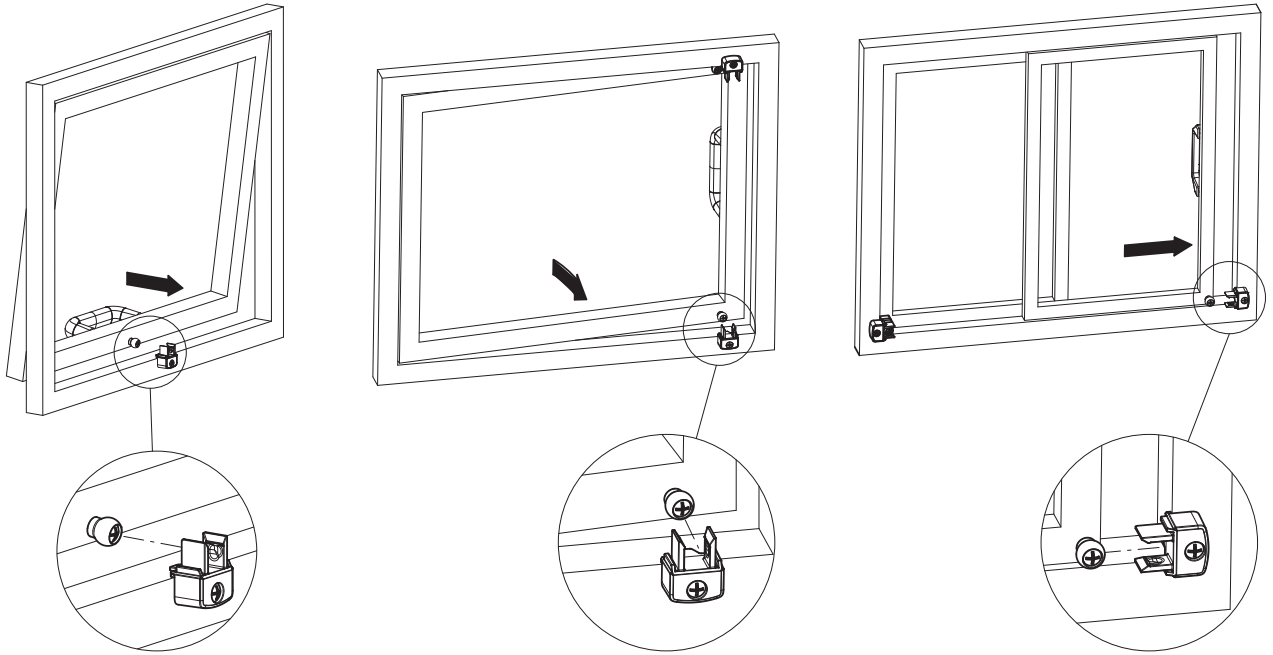


Thickness differences between frame and door	Spacer to be used	Description
0	-	-
5 mm	5 mm	BPS.30-SP5
10 mm	10 mm	BPS.30-SP10
15 mm	15 mm	BPS.30-SP15
20 mm	10 mm + 10 mm	BPS.30-SP10 + BPS.30-SP10
25 mm	10 mm + 15 mm	BPS.30-SP10 + BPS.30-SP15
30 mm	15 mm + 15 mm	BPS.30-SP15 + BPS.30-SP15

### Examples of BPS.30-SP spacers assembly



Application examples



Standard Elements		Opening release strength	$\triangle/\triangle$
Code	Description	[N]	g
6251	BPS.30	30	10

Standard Elements		Main dimensions		$\triangle/\triangle$
Code	Description	H	H <sub>1</sub>	g
6253	BPS.30-SP5	5	19	3
6254	BPS.30-SP10	10	23	4
6255	BPS.30-SP15	15	28	5