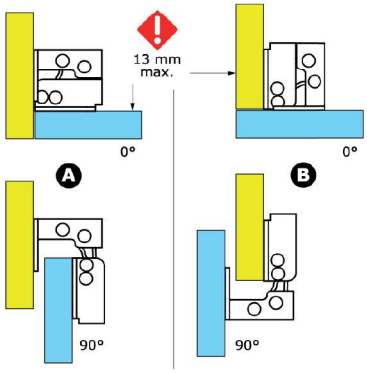
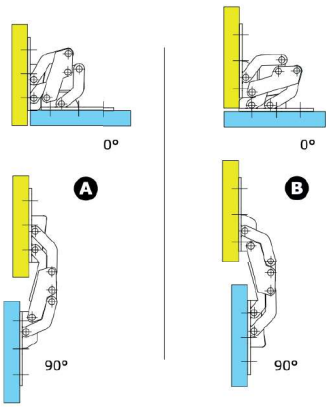
Concealed hinges - 4 and 7 axis

Specific features of concealed hinges - 4 and 7 axis

4 axis concealed hinges	7 axis concealed hinges
Mounting on surface or recessed door. Mounting on solid panels or sheet metal panels. Horizontal or vertical mounting. Right or left mounting.	
• Compact • A kinematic that allows either to keep the door inside the frame or outside the frame. • Opening angle between 90° and 125°. • 3 sizes available. • Full access to the interior of the equipment for surface mounting only.	• An excellent kinematic which allows good opening clearance. • Full access to the interior of the equipment. • Maximum opening angle of 90°. • 2 sizes available.
	

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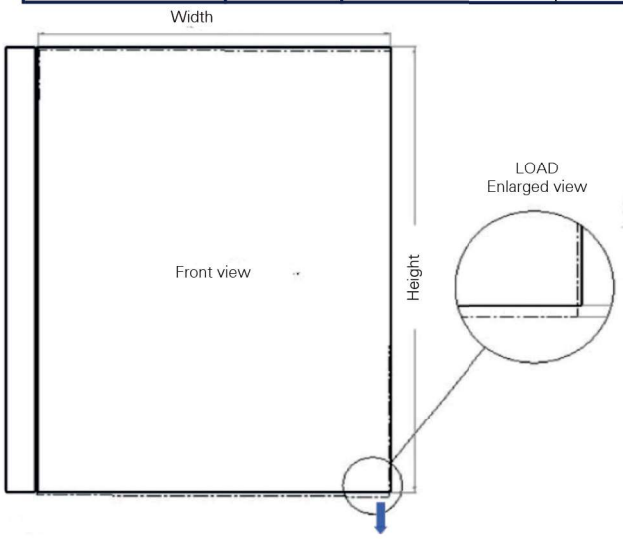
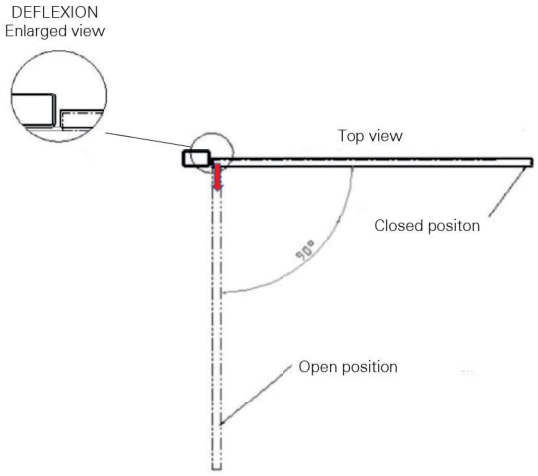
Hinges and hardware

Concealed hinges - 4 and 7 axis

Mechanical behavior under load

		Door dimension (h x l)	Weight (kg)	Type of test	Cycle life	Load (mm)		Deflexion (mm)
						Closed position ↓	Open position	↓
	70-1-3626 70-1-3654	600x300	5 kg	Static	0	0	0	0
			5 kg	Dynamic	10 000	Hinge operating and functional		
	70-1-3627 70-1-3628 70-1-3655 70-1-3656	600x300	3 kg	Static	0	0	0	0
			3 kg	Dynamic	10 000	Hinge operating and functional		
	70-1-3520 70-1-3625	600x300	5 kg	Static	0	0,5	0	0,5
			5 kg	Dynamic	10 000	Hinge operating and functional		
	70-1-3639 70-1-3640	600x300	5 kg	Static	0	1	0,5	1
			5 kg	Dynamic	10 000	Hinge operating and functional		
	70-1-3647 70-1-3648	700x500	20 kg	Static	0	4	5	2,5
			20 kg	Dynamic	10 000	Hinge operating and functional		
	70-1-3557	800x600	30 kg	Static	0	3	5,5	3,5
			30 kg	Dynamic	10 000	Hinge operating and functional		





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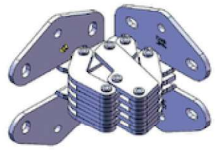
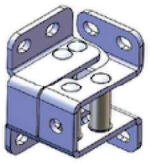
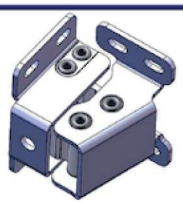
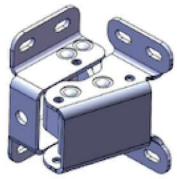
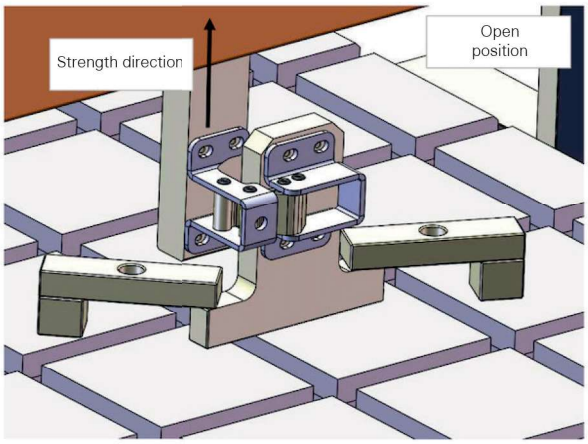
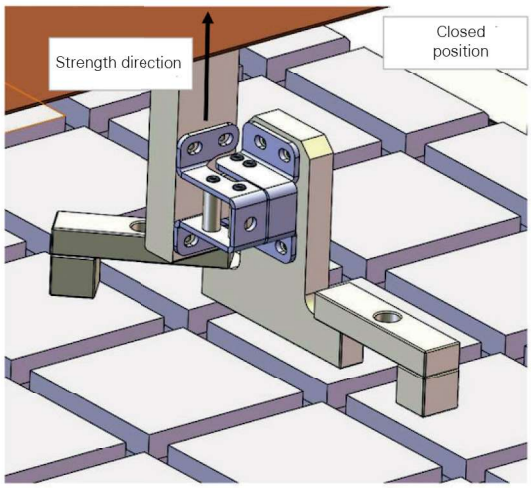
Shearing test

		Breaking load Closed position (N)	Breaking load Open position (N)
	70-1-3626 70-1-3654	2 200	2 200
	70-1-3627 70-1-3628 70-1-3655 70-1-3656	900	600
	70-1-3520 70-1-3625	3 500	2 600
	70-1-3639 70-1-3640	3 100	2 750
	70-1-3647 70-1-3648	4 000	4 000
	70-1-3557	12 500	9 000





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Hinges and hardware

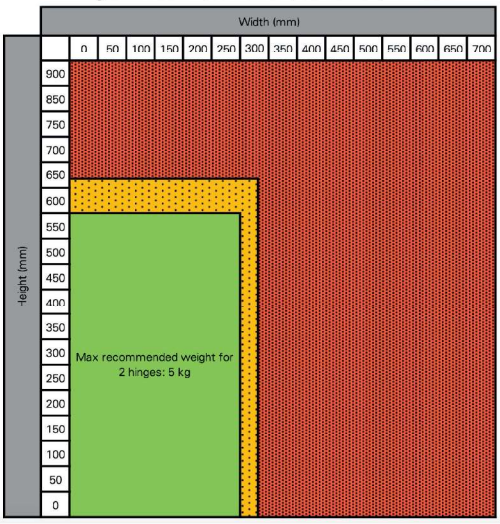
Concealed hinges - 4 and 7 axis

Application limits for concealed hinges

In any case, it is advisable to carry out a verification with samples.

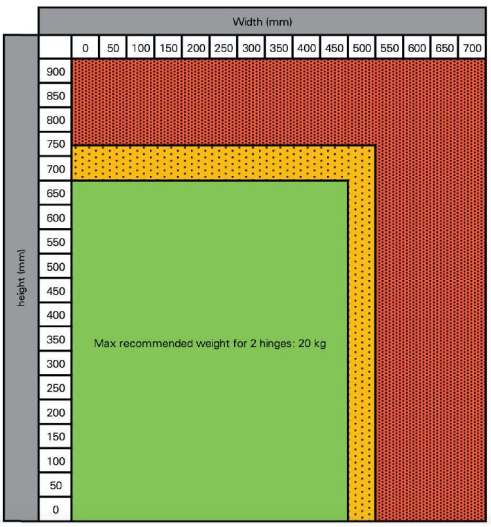
Concealed hinges - 4 axis

Hinges 70-1-3520* / 70-1-3625* / 70-1-3639* / 70-1-3640*



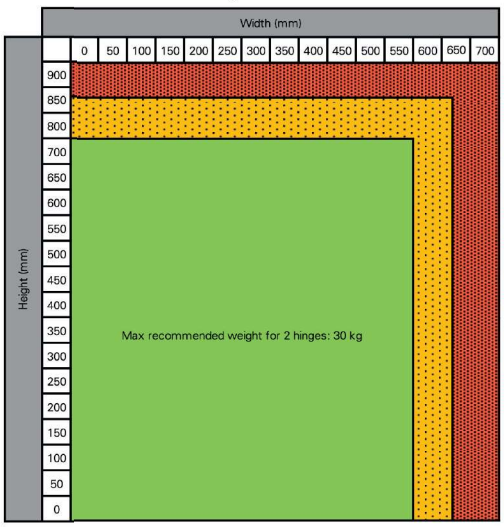
* Tests carried out with 2 hinges spaced approximately 450 mm apart on a vertical axis.
10,000 cycles over a deflection angle of approximately 90 °.

Hinges 70-1-3647* / 70-1-3648*



* Tests carried out with 2 hinges spaced approximately 550 mm apart on a vertical axis.
10,000 cycles over a deflection angle of approximately 90 °.

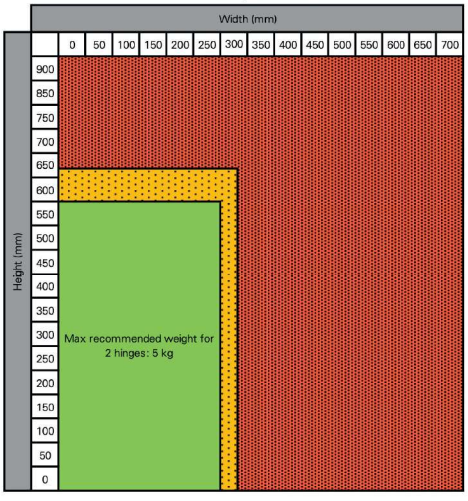
Hinges 70-1-3557*



* Tests carried out with 2 hinges spaced approximately 550 mm apart on a vertical axis.
10,000 cycles over a deflection angle of approximately 90 °.

Concealed hinges - 7 axis

Hinges 70-1-3626* / 70-1-3627* / 70-1-3628* / 70-1-3654* / 70-1-3655* / 70-1-3656*

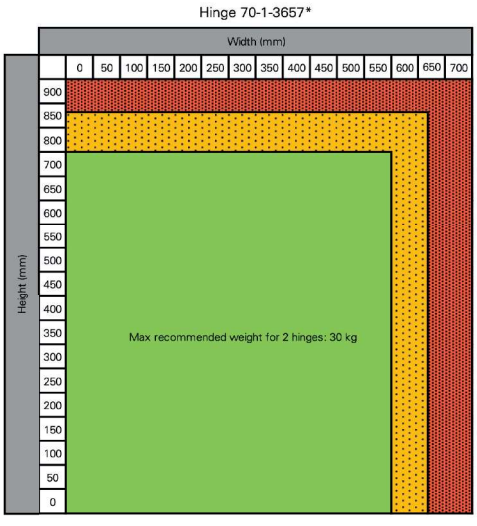


* Tests carried out with 2 hinges spaced approximately 450 mm apart on a vertical axis.
10,000 cycles over a deflection angle of approximately 90 °.

Legend

- Recommended application
- Acceptable application
- Application not recommended

Hinge 70-1-3657*



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