

Reference: V 2003

Designation: fixed bolt, cylindrical head, for installation from the outside.

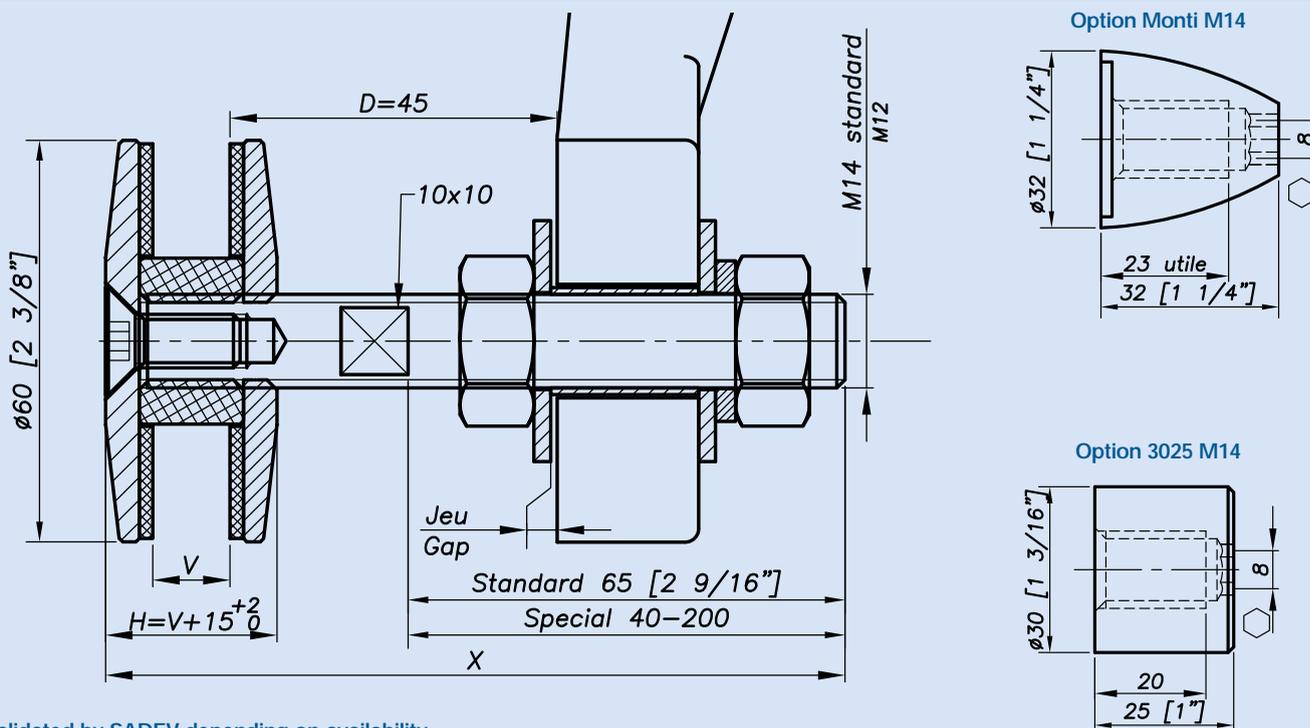


Typical application:

Mounting		Alternate product
Vertical facade	Yes	
Roof/canopy	Possible	V2005
Guard rail	Yes	see SADEV Decor
*Blind access	Yes	
Sloped glazing	Yes	

*Installation from the outside (no access to the structure).

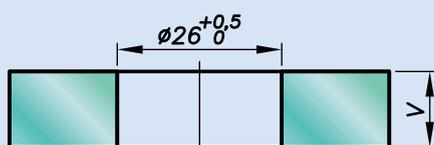
Dimensions:



H validated by SADEV depending on availability.

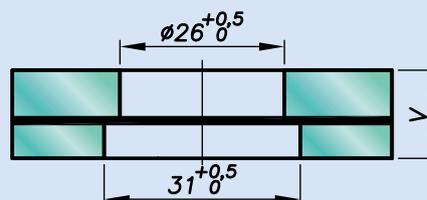
Glass drilling:

Monolithic glass



Laminated glass

V = 1st glass + intercalated films + 2nd glass

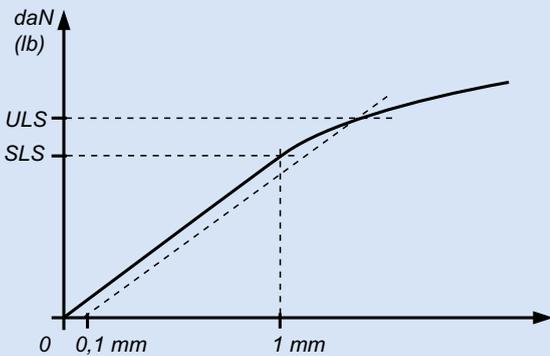


Available for glass thicknesses from 8 to 31.52 mm, for other thicknesses please consult us.

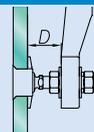
It is important to provide the following information with each request: the glass composition (ex.: 10 mm monolithic, 8.8.4 laminated, 8.8.2-12-10 insulating) / the length and diameter of the swivel threaded axle if not standard dimensions (M14, 65 mm) / the reference of the spider to be used as support, or the thickness of an existing support for the delivery of the spacer.

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Mechanical properties:

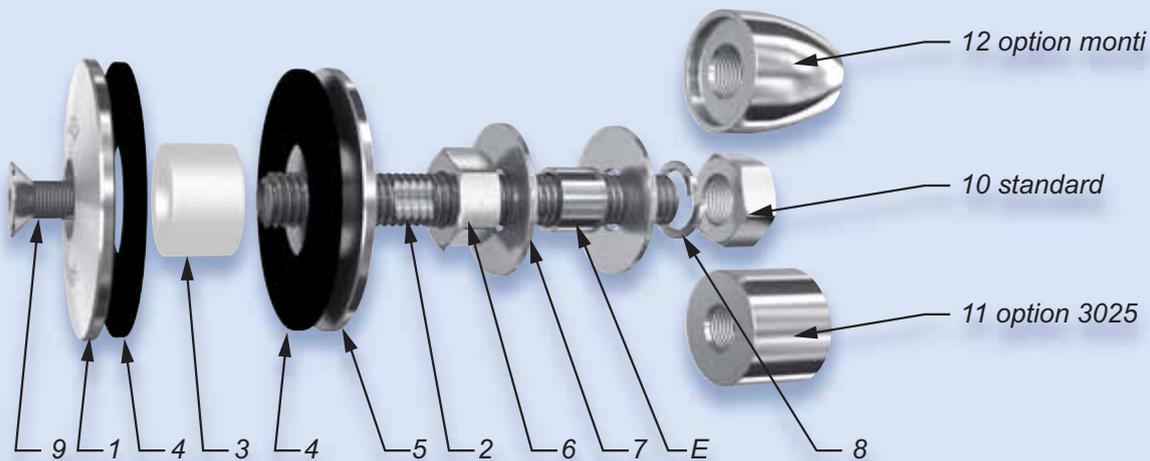


	Bending capacity			Pull out capacity
	D	SLS*	ULS*	ULS*
M14	45 mm	No test available		
	60 mm			
M16	45 mm			
	60 mm			



*SLS - Serviceability Limit State: load at 1 mm deformation.
 *ULS - Ultimate Limit State: load at the elastic limit (Rp0.1).
 Values are given without factor of safety.
 Tests available online: www.sadev.com

Components:



Rep	Qty	Designation	Material
1	1	External Plate	X2 Cr Ni Mo 17.12.2 per EN 10088-3
2	1	Thread axle	A4
3	1	Spacer Ø 25	Polyacetal
4	2	Contact Washer	EPDM
5	1	Glass Nut Ø 60	X2 Cr Ni Mo 17.12.2 per EN 10088-3
6	1	Nut DIN 934	A4
7	2	Washer	A4
8	1	Lock Washer DIN127	A4
9	1	Bolt DIN7991 M8x20	A4
10	1	Nut DIN 934	A4
11	1	3025 Cap Nut - Option	X2 Cr Ni Mo 17.12.2 per EN 10088-3
12	1	Monti Cap Nut - Option	X2 Cr Ni Mo 17.12.2 per EN 10088-3

Suggested mounting instruction:

A - Classic mounting

Insert parts No. 2/3/4/5 into the glass hole. Mount the second contact washer No. 4, external plate No. 1, and bolt No. 9 and tighten to 20 Nm (15 ft-lb) for monolithic glass and 10 Nm (7.5 ft-lb) for laminated glass. Thread on nut No. 6 and apply washer No. 7. Insert the threaded axle into the support with spacer E (available on request), see technical page. Adjust the depth. Mount the second washer No. 7, lock washer No. 8, and nut No. 10. Tighten to 60 Nm (45 ft-lb) using a 22 mm wrench.

B - Blind mounting: installation from the outside (no access to the structure)

Mount nut No. 6 and washer No. 7 onto parts No. 2/3/4/5. Insert the threaded axle into the support with spacer E (available on request), see technical page. Adjust the depth. Mount the second washer No. 7, lock washer No. 8, and nut No. 10. Tighten to 60 Nm (45 ft-lb) using a 22 mm wrench. Set the glass onto the assembly, be careful not to put unprotected glass edges in contact with bare metal parts. Mount parts No. 1/4 and 9 onto parts No. 2/3/4/5 and tighten to 20 Nm (15 ft-lb) for monolithic glass and 10 Nm (7.5 ft-lb) for laminated glass using a 10 mm wrench and a 5 mm hex key.

SADEV recommends using thread locking compound whenever possible.