

BS EN STANDARDS TEST RESULTS

The test results for Penkid window restrictors as supplied and described in Section 4 of this report are shown in Table 1 below. These results apply to the Penkid window restrictors fixed to an outward opening aluminium framed window. Figures in Annex A show detail of the Penkid window restrictors.

Test	Requirements	Result
BS 6375-2 Clause 5.3. 350 N for 60 seconds	Withstand the force for the required time	Met the requirement
BS EN 13126-5:2011+A1:2014 Clause 7.4.3. 500 N for 60 seconds	Remain engaged and the restrictor continues to function normally.	Met the requirements
BS EN 16281:2013 Clause 5.5.4 350 N for 60 seconds*	Remain engaged and unbroken with no cracking, without permanent deformation and continue to function normally during and after the tests.	Met the requirements
BS EN 16281:2013 Clause 5.5.5 500 N for 60 seconds** Window opening restricted to 89 mm	Remain engaged and unbroken with no cracking, without permanent deformation and continue to function normally during and after the tests.	Met the requirements
BS EN 16281:2013 Clause 5.5.5 200 N for 60 seconds	Remain engaged and unbroken with no cracking, without permanent deformation and continue to function normally during and after the tests.	Met the requirements
BS EN 16281:2013 Clause 5.5.5 500 N for 60 seconds** With the restrictor repositioned for a more severe test	Remain engaged and unbroken with no cracking, without permanent deformation and continue to function normally during and after the tests.	Met the requirements

*Essentially the same test as that for BS 6375-2 but with more requirements.

**Essentially the same test as that for BS EN 13126-5:2011+A1:2014 Clause 7.4.3 but with more requirements. Note that BS EN 13126-5:2011+A1:2014 is for child resistant locking devices intended to be installed by professionals. For the DIY market reference is made to BS EN 16281.

Table 1. Test results – Load bearing capacity of Penkid window restrictors