
ABB JOKAB SAFETY

Impact test results

Quick-Guard fencing system

We ABB AB
JOKAB SAFETY
Varlabergsvägen 11
SE-434 39 Kungsbacka
Sweden

declare that third party impact tests have been conducted on our fencing system Quick-Guard Standard. Test were performed on both fixed sections and door sections with various infill material. The tests were passed according to the criteria in EN ISO 14120 Annex C. No visible deformation was detected in any of the tests.

Test performed by

RISE Research Institutes of Sweden AB
Safety – Mechanics Research
Borås, Sweden

Test description

The tests were performed according to the test methodology from EN ISO 14120, Annex C using an impact energy of 329 Joule, which is more than twice the minimum impact energy stated in the standard. The test measures the resistance of guards against impacts from outside the protected hazard zone.

For test configurations, see Table 1.



Tobias Gentzell
R&D Manager
Kungsbacka 2019-04-08

Table 1 – test configurations

Fence type	Height (mm)	Width (mm)	Post profile (mm)	Infill	Panel fixation
Quick-Guard Standard	2200	2000	44x44	Welded steel mesh	JSM NL3
Quick-Guard Standard	2200	2000	44x44	Polycarbonate welding 3 mm	JSM PL3
Quick-Guard Standard	2200	2000	44x44	Polycarbonate 5 mm	JSM PL3
Quick-Guard Standard	2200	2000	44x44	Polycarbonate 4 mm	JSM PL3
Quick-Guard Standard	2200	2000	44x44	1.0 mm steel panel	JSM PL3
Quick-Guard Door	2200	1000	44x88	Welded steel mesh	JSM NL3
Quick-Guard Door	2200	1000	44x88	Polycarbonate welding 3 mm	JSM PL3
Quick-Guard Door	2200	1000	44x88	Polycarbonate 5 mm	JSM PL3
Quick-Guard Door	2200	1000	44x88	Polycarbonate 4 mm	JSM PL3
Quick-Guard Door	2200	1000	44x88	1.0 mm steel panel	JSM PL3