

ODIN[®]

Lifeline calculation tool



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KEY ADVANTAGES

- Exclusively for XSPlatforms Partners.
- Unique tool, no other supplier can offer.
- Online, can be accessed from any modern computer with internet.
- Most precise calculation in the market.
- No manual calculations, no risk of miscalculations.
- Full service: offer complete safety documentation to your clients.
- Add value, take the role of consultant rather than mere supplier.
- Quote easier and faster.
- Sales arguments backed by extensive up-to-date test data.
- Verifies any custom lifeline complies with standard:
 - ✓ EN795:2012 & CEN/TS16415 (Europe)
 - ✓ ANSI 2359.6:2009 (United States)
 - ✓ CSA 2259.16-04:2009 (Canada)



ADDED VALUE

As an XSPlatforms Partner, you can offer value added service to your clients. With ODIN, your clients:

- have a full set of safety documentation, including test results & instructions;
- are assisted in fulfilling their legal responsibilities;
- are assured the system meets their requirements;
- get a system based on the most precise calculations in the market;
- are assured the system is in compliance with the applicable standards.

Span length, the number of spans, maximum arresting force, initial deflection. These are just some of the variables that together, define the configuration of a horizontal lifeline system. Because every project is unique, calculating each system can be a time-consuming activity. Not only that, by doing the math manually, you risk making miscalculations.

FACTORS THAT AFFECT LIFELINE PERFORMANCE:

- ✓ The surface on which it is mounted.
- ✓ The distance between the anchor posts.
- ✓ The height of the anchor posts.
- ✓ The tension of the cable.
- ✓ The distance to the roof edge.
- ✓ The number of simultaneous users.
- ✓ The available fall clearance.
- ✓ The length of the lifeline system.
- ✓ The energy absorption mechanism.



THIS IS ODIN

ODIN is the easiest way to guarantee that the custom lifeline configuration you are offering complies with the applicable standard.

To reduce the time it takes to calculate a system and reduce the risk of miscalculations, XSPlatforms has developed ODIN. This online tool calculates the performance of each custom lifeline system and gives you a full report of the results. ODIN is exclusively available to XSPlatforms Partners and ensures them, and their clients, the performance of the system meets the applicable standard. A value adding service, which will prove essential in your sales process.

WHY USE ODIN?

Product specifications will NOT suffice as proof of conformity for a particular lifeline configuration.

As a safety advisor, you are obligated to prove the lifeline system you are offering is safe and complies with the applicable standards. Thanks to ODIN, you and your clients are ensured the lifeline system complies with the applicable standard, without having to rely on manual calculations. This way if a fall accident does occur, the chance of injuries is reduced. Also, your clients have a report that proves the installed system meets the standards and guidelines.

ODIN CAN TEST LIFELINE SETUP COMPLIANCE TO THE FOLLOWING STANDARDS:

- ✓ EN795:2012 & CEN/TS16415 (Europe)
- ✓ ANSI 2359.6:2009 (United States)
- ✓ CSA 2259.16-04:2009 (Canada)



HOW DOES ODIN WORK?

ODIN calculates the performance of any custom lifeline, based on a wealth of test data XSPlatforms has collected over the years, and determines if it complies with the applicable standards.

EASY TESTING IN JUST 5 STEPS:

1. Fill in the client's project details for the system configuration into ODIN.
2. Choose the applicable standard: EN, ASNI ou CSA.
3. Calculate the custom lifeline system, ODIN will assess its standard compliance.
4. Print the report and add this to the customer's documentation.
5. Use the report for your sales conversation and system instructions.

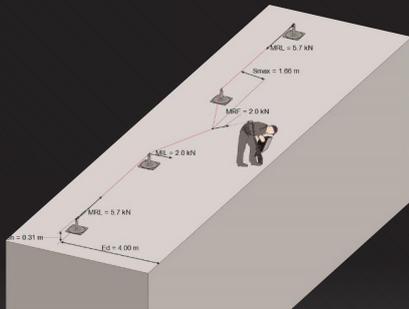
ODIN REPORT

An ODIN report is an important document for both you, the supplier, and your client. It proves the system you offered, sold and installed, complies with the applicable standards - mandatory in some region - and is safe to use by a trained person. With the report, you can offer your clients complete safety documentation, uncluding user instructions for safe use. Something none of your competitors will be able to do, making it a valuable sales too.

ODIN report content:

- Calculation setup** - showing the project's variables and the standard to which it will be assessed.
- Results overview** - an overview of which criteria comply to the standard and which don't.
- Section results** - an extensive report on all tests and results (for experts).

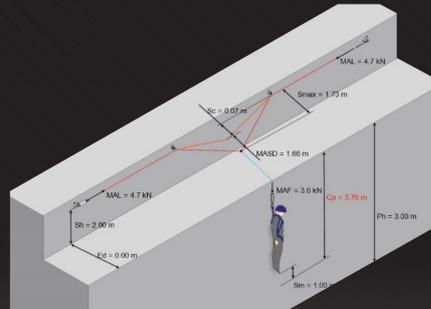
Example ODIN report. The configuration of this restraint lifeline system scores **OK** on all 5 parameters. This lifeline complies to the applicable standard.



Verification

Check	Value	Limit	Pass
Max. restraint force (MRF)	2.0 kN	≤ 6.0 kN	OK
Max. load on intermediate (MIL)	2.0 kN	≤ 11.2 kN	OK
Max. restraint load (MRL)	5.7 kN	≤ 11.2 kN	OK
Max. cable force	5.7 kN	≤ 17.9 kN	OK
Max. lanyard length	2.04 m		OK

Example ODIN report. The configuration of this fall arrest lifeline system scores a **fail** on 1 of the 5 parameters. The available fall clearance is insufficient, which means a user could hit the ground.



Verification

Check	Value	Limit	Pass
Max. arrest force (MAF)	3.0 kN	≤ 6.0 kN	OK
Max. load on intermediate (MIL)	3.0 kN	≤ 17.0 kN	OK
Max. arrest load (MAL)	4.7 kN	≤ 17.0 kN	OK
Max. cable force	4.7 kN	≤ 17.9 kN	OK
Clearance (Cp)	3.76 m	≤ 3.00 m	Fail

