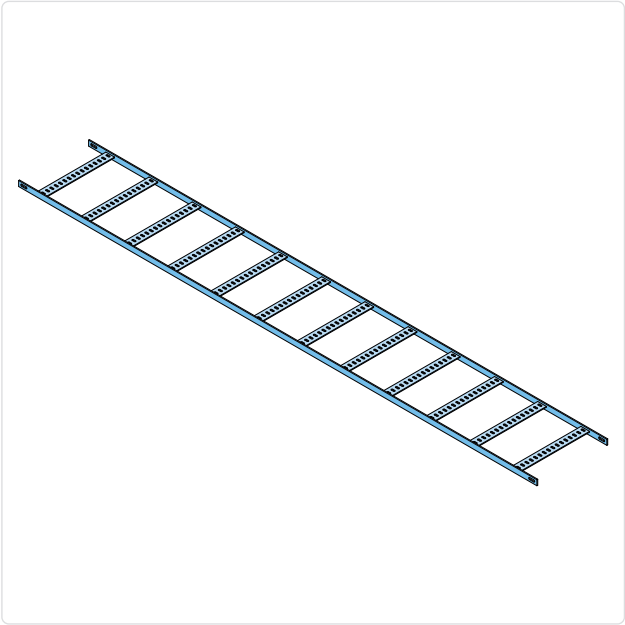
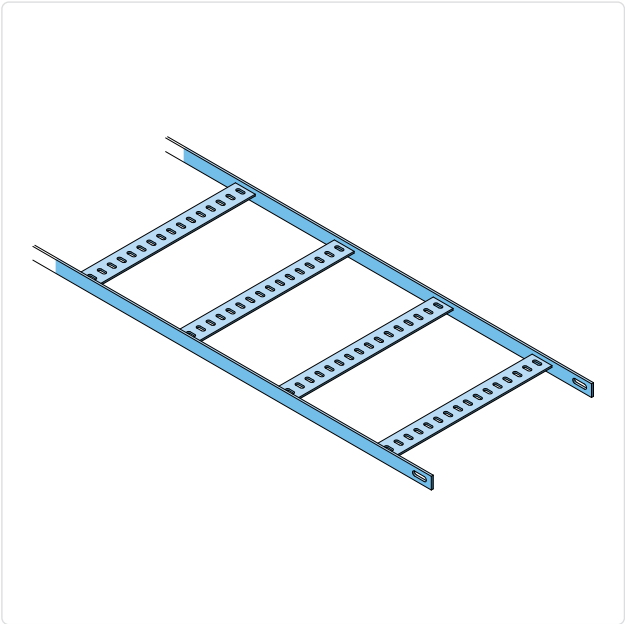
ESL
Marine Ladder





- Standard execution **hot dip galvanized carbon steel** in accordance with NEN-EN-ISO 1461
- High zinc coating thickness of **at least 85 µm**
- Also available in **stainless steel 316L** and **stainless steel 304**
- Standard width 75–500 mm
- Standard radius for accessories 150 mm
- Standard angle for accessories 90°
- Other widths, angles and radii available on request

Description

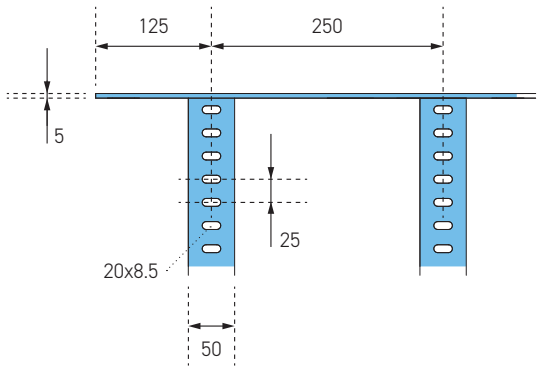
The Eurostrut ESL marine ladder is a lightweight cable ladder with a low profile, designed for routing and supporting cables in installations with limited installation space. The open ladder construction with perforated rungs allows for clear cable routing, adequate ventilation, and easy inspection. The system is used in commercial buildings, industrial installations, machine construction, and maritime environments where compact and robust cable support is required.

The marine ladder is manufactured from carbon steel and is standard hot-dip galvanized in accordance with NEN-EN-ISO 1461. The very high zinc coating thickness of approximately 85–120 µm provides enhanced and durable corrosion protection, making the marine ladder suitable for long-term use in outdoor environments and in industrial or maritime conditions with increased corrosion exposure. The cable support system is designed and manufactured in accordance with IEC 61537 / NEN-EN 61537 and is applicable within installations according to NEN 1010.

The construction consists of flat side rails without side perforation and perforated rungs welded to the rails, ensuring a rigid and torsion-resistant structure. The rung spacing is 250 mm centre-to-centre. Installation can be carried out directly on the supporting structure or using mounting brackets. The ESL marine ladder is compatible with the Eurostrut system range, including splice plates (ESL-SC), vertical connectors (ESL-VC), bends (ESL-B), dividers (ESL-DIV), hold-down clamps (ESL-HC), angle bolts (ESL-HB), and fixing sets (ESL-SB, EFS).

Technical specifications

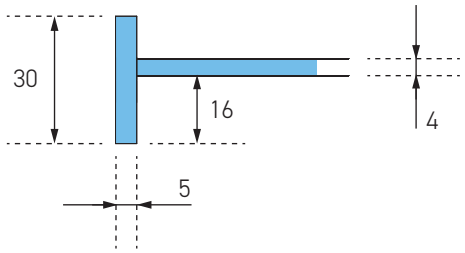
Product type:	Lightweight cable ladder with perforated rungs (marine ladder)
System:	ESL
System height:	30 mm
System width:	75 to 500 mm
Length:	3000 mm
Side rail thickness:	5 mm
Rung thickness:	4 mm
Rung spacing:	250 mm
Rung perforation:	20 × 8.5 mm
Rung connection:	Welded
Standard material:	Carbon steel
Surface treatment:	Hot-dip galvanized in accordance with NEN-EN-ISO 1461
Zinc coating thickness:	Approx. 85–120 µm
Connection method:	With splice plates ESL-SC or ESL-VC (not included)
Standards:	IEC 61537 / NEN-EN 61537
Installation standard:	NEN 1010
Side rail execution:	Flat profile, without perforation
Construction type:	Open ladder structure
Installation:	Direct mounting on structure or with mounting brackets

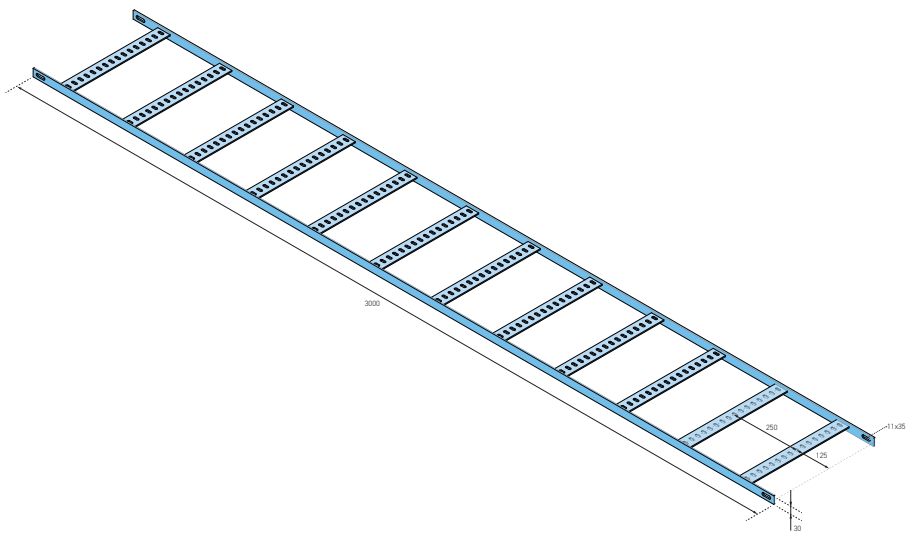


Available material variants

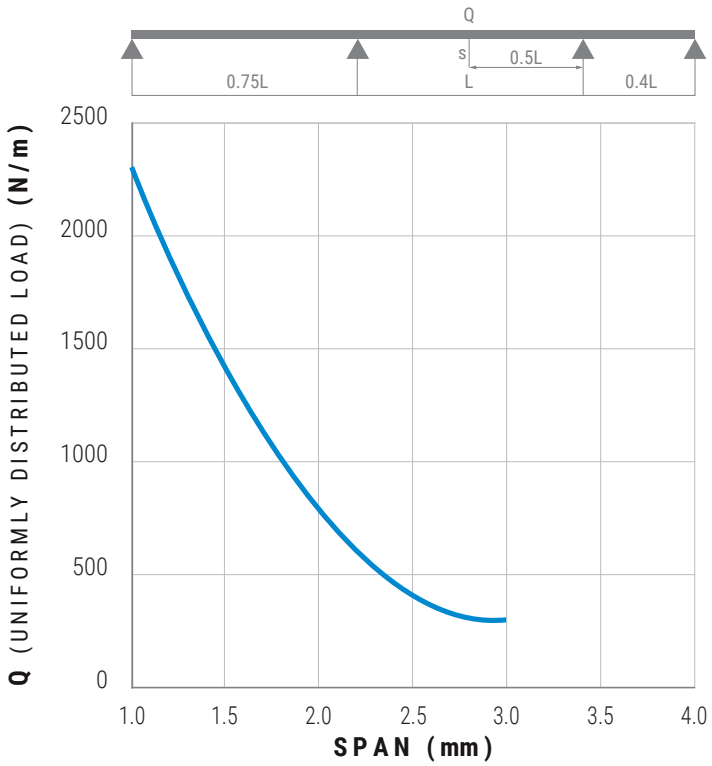
HDG: Hot-dip galvanized carbon steel in accordance with NEN-EN-ISO 1461, with a high coating thickness of 85 - 120 µm, suitable for heavy industrial and outdoor environments.
Stainless steel 304 (A2 / 1.4301): Stainless steel for indoor environments and lightly corrosive conditions.
Stainless steel 316L (A4 / 1.4404): Stainless steel with increased corrosion resistance for chemical, maritime, and offshore applications.

Other lengths available on request.





Load diagram



Load test according CEI/IEC 61537:2001
Q = UDL (uniformly distributed load)
Safety Factor = 1,7
L = intermediate span
F = deflection = 1/100 of the intermediate span (max.)
S = splice location

Variants

Article number	W mm	H mm	L mm	e mm	Max. capacity cm^2	kg/ unit
ESL-075H	75	30	3000	5	9.75	8.4
ESL-100H	100	30	3000	5	13.0	8.7
ESL-150H	150	30	3000	5	19.5	9.3
ESL-200H	200	30	3000	5	26.0	9.9
ESL-300H	300	30	3000	5	39.0	11.4
ESL-400H	400	30	3000	5	52.0	12.9
ESL-500H	500	30	3000	5	65.0	14.4

Available material variants	Change H to
Hot dip galvanized	-
Stainless steel A4 / 316L	S316
Stainless steel A2 / 304	S304