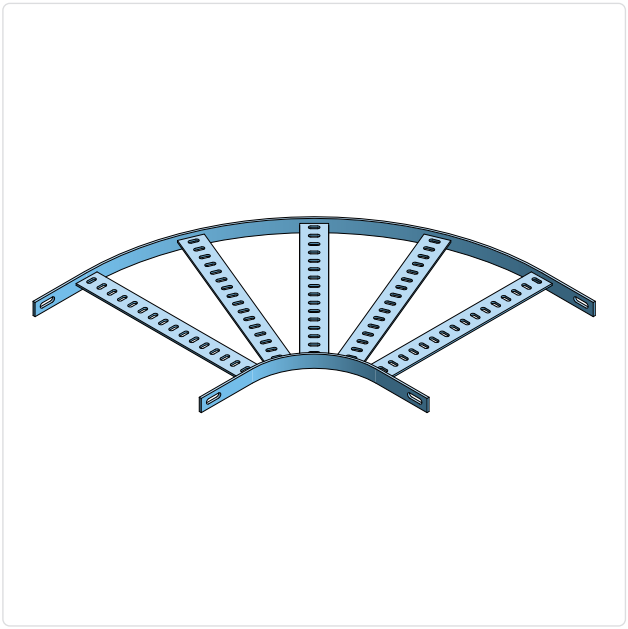
ESL-B
Bend Horizontal Marine Ladder



- 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

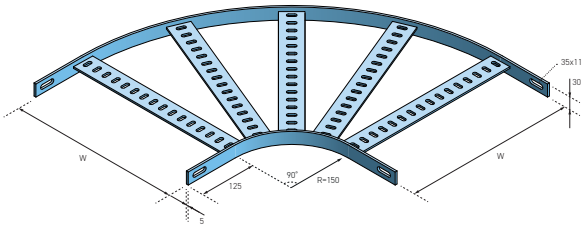
The Eurostrut ESL-B 90° bend is a horizontal bend for the ESL marine ladder and is used to create direction changes within cable routes. The bend enables cable routes to be adjusted in a controlled manner without interrupting the supporting structure, while maintaining cable support and ventilation. It is used in commercial buildings, industrial installations, machine construction, and maritime environments.

The bend 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 bend 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 is aligned with the ESL marine ladder and consists of an open ladder structure with perforated rungs (20 × 8.5 mm) and flat side rails without perforation, ensuring consistent cable support across the full bend radius. The standard bend radius is 150 mm. Connection to straight ladder sections is achieved using splice plates ESL-SC or vertical connectors ESL-VC (not included). The ESL-B bend is fully compatible with the Eurostrut ESL system, including dividers (ESL-DIV), hold-down clamps (ESL-HC), angle bolts (ESL-HB), and fixing sets (ESL-SB, EFS).

Technical specifications

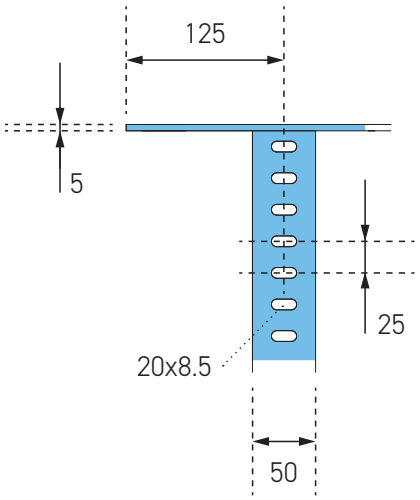
Product type:	Horizontal 90° bend for lightweight cable ladder (marine ladder)
System:	ESL
System height:	30 mm
System width:	75 to 500 mm
Angle:	90°
Radius:	150 mm
Side rail thickness:	5 mm
Rung thickness:	4 mm
Rung perforation:	20 × 8.5 mm
Rung connection:	Welded
Standard material:	Carbon steel
Surface 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

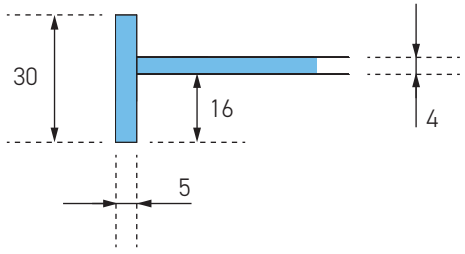


Available material variants

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 widths, angles and radii available on request.





Variants

Article number	W mm	H mm	A deg°	R mm	e mm	kg/ unit
ESL-B-075H	75	30	90	150	5	1.6
ESL-B-100H	100	30	90	150	5	1.7
ESL-B-150H	150	30	90	150	5	2.0
ESL-B-200H	200	30	90	150	5	2.2
ESL-B-250H	250	30	90	150	5	3.0
ESL-B-300H	300	30	90	150	5	3.7
ESL-B-400H	400	30	90	150	5	4.5
ESL-B-500H	500	30	90	150	5	6.1

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