









ANCHORAGES & SHORING SYSTEMS





SHORING For **inclined** installation

DESIGNATION	TECHNICAL FEATURES	PRODUCT CODE - EAN CODE	PICTURE
SUPPORT TRESTLE	Provides support for ladders and knee joint when they cannot rest directly upon the roof or a window sill.	311503201 3155031150327	
LADDER PROP 2-3 M	Provides support between ladder rung and floor, balcony, window sill, terrace, etc. Adjustable from 2 to 3 m. Usable only with the support trestle, to be ordered at the same time as the step clamp.	312268001 3155031226800	
LADDER PROP EXTENSION 2 M	Ladder prop extension to be adjustable from 4 to 5 m.	312268101 3155031226817	
HEADBOARD PROPS 1,1-2 M	Allow the headboard to be perfectly supported, when the hoist extremity is cantilevered on a terrace or inside a building. Adjustable from 1,1 to 2 m.	312797801 3155031279783	

ANCHORAGES For **vertical** installation against a façade

DESIGNATION	TECHNICAL FEATURES	PRODUCT CODE - EAN CODE	PICTURE
EMBRASURE CLAMP	Allows perpendicular ladder support against building façade, facing a window frame.	311503301 3155031150334	
BALCONY CLAMP	For perpendicular ladder support against building façade, facing a balcony or terrace.	311503401 3155031150341	
MOORING JACK 0,70-1 M	Window mooring jack, adjustable from 0,70 to 1 m. Captive pin and clamping handle. Galvanised steel.	312072101 3155031207212	
MOORING JACK 1-1,70 M	Window mooring jack, adjustable from 1 to 1,70 m. Captive pin and clamping handle. Galvanised steel.	312072201 3155031207229	

ANCHORAGES For **vertical** installation against a scaffolding

DESIGNATION	TECHNICAL FEATURES	PRODUCT CODE - EAN CODE	PICTURE
ORTHOGONAL COUPLER	Coupler for connecting 2 tubes Ø 48,3 mm at a 90° angle. Individually.	312072401 3155031207243	
SWIVEL COUPLER	Coupler for connecting 2 tubes Ø 48,3 mm at variable angle. Individually.	312072301 3155031207236	
SCAFFOLDING ANCHORAGE	For vertical anchoring of a hoist.	311503501 3155031150358	
SCAFFOLDING PIPE 2 M	Pipe allowing anchoring of hoist ladders against scaffolding façade. Dimensions Ø 48,3 mm, length 2 m.	312072601 3155031207267	

CHART

INCLINED SHORING & VERTICAL ANCHORING

SAFETY INFORMATION

For a safe installation, don't forget to add anchoring and shoring features to your hoist order. Anchoring and shoring rules are downloadable at www.haemmerlin.com.

The installation of a hoist ends with its fixing to an element of its environment according to the configuration of the worksite.

Inclined or vertical, the headboard must always be **supported and secured to the building/scaffolding** through the use of bolts, ropes, straps or chains, in order to ensure the stability of the equipment and avoid all risk of accidental collapse. As well, **the ladder base must always be secured to the ground** through the use of steel rods or bolts, through the holes in the support beam.

GENERAL RULES

- Minimum length of the lifting cable = 2 x (total length of the ladders) + 2 (m).
- Minimum slope of the ladder : 30° relative to horizontal.
- The ladder may lean directly against a wall, window sill, terrace, roof, etc.

CASTOR STEEL

SHORING RULES :

- Knee joint always supported.
- If the angle is **greater than 60°** relative to horizontal, the ladder mast must be supported **at a minimum of every 5 m**.
- If the angle is **less than 60°** relative to horizontal, the ladder mast must be supported **at a minimum of every 4 m**.

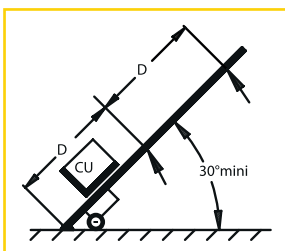
VERTICAL ANCHORING RULES :

- A hoist is considered vertical when the angle of the mast to the vertical is less than or equal to 3°.
- Against a façade, the ladder mast must be anchored to the building at every floor and **at a minimum of every 3 m**.
- Against scaffolding, the ladder mast must be anchored at each **scaffolding level**. This requires **2 anchors** per level.

MAXIAL

SHORING CHART :

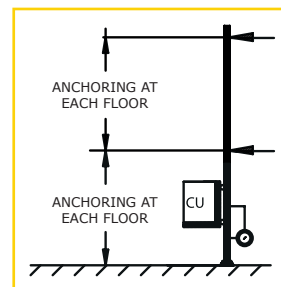
- Knee joint always supported.
- Secure the ladder base to the ground through the use of steel rods through the claw holes.



DISTANCE D BETWEEN 2 SUPPORTS (M)							
8,5	7,5	6,5	6	5,5	5	4	
80	100	125	150	175	200	250	
PAYLOAD CU (KG)							

VERTICAL ANCHORING RULES :

- A hoist is considered vertical when the angle of the mast to the vertical is less than or equal to 3°.
- Anchor to **each floor** and at the **top of the ladder**.
- Secure the ladder base to the ground through means of steel rods through the claw holes.





SAFETY INFORMATION

For the safety of worksite personnel, **the danger zone must be delimited by a material device** during the use of our hoists. For barriers, consult us.

