

European standard (Extract of European Standards NF EN 1492-1 and 2 of Nov.2000)

This European standard specifies the application fields for all textile lifting equipment and accessories, as well as their manufacturing specifications. It aims to comply with the main safety requirements of the machinery directive 98/37/EC. In addition, it specifies the manufacturing, identification and marking methods for lifting slings ; it enables to record their specifications, to mention their Working Load Limit (WLL) and to describe the method or the various methods used for their control.

To allow the use of flat webbing slings and round slings, the label of EC conformity, the certification of conformity and the operating instructions are compulsory.

Safety instructions

A) Safety factor: its minimal value must be at least equal to:

- ▶ 7:1 for webbing and round slings,
- ▶ 4:1 for accessories made of steel,
- ▶ 5:1 for the remaining components.

B) Breaking strength: webbing slings and round slings must resist to a strength at least equal to 7 times their WLL.

C) Traceability code: this code must at least enable to identify the following basic information:

- ▶ Identification of the sling,
- ▶ Identification of the controls done by the manufacturer,
- ▶ Identification of the accessories.

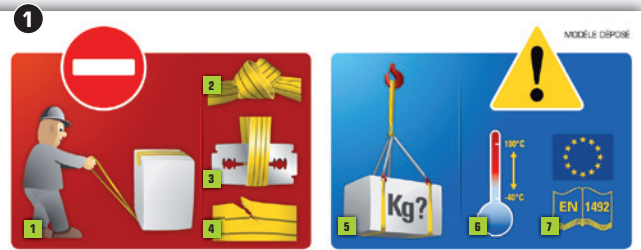
Informations stipulated

The identification tag of the slings must include:

- ▶ The Working Load Limit,
- ▶ The material used for the manufacturing (polyester, polyamide, polypropylene),
- ▶ The nominal length in meters,
- ▶ The name and identification symbol of the manufacturer or the supplier,
- ▶ The traceability code.

The year and month of manufacturing can be mentioned on the tag.

TAGS PRESENT ON ANY WEBBING SLINGS PRODUCT



- 1 Never slide slings under a load. Never leave a load laying on a sling.
- 2 Never knot slings or never use twisted slings.
- 3 Protect slings from any sharp edges.
- 4 Never use knotted, cut or damaged slings without tags.

- 5 Carefully check the weight of the load. Never overload slings. Use the slings with the appropriate working load limit.
- 6 Use slings in a temperature range of -40°C to +100°C.
- 7 Reference to the standards.

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HBX	← Product reference
WLL : 2,00 T Working Length : 3,00 m Hebetech AG	← Working load limit ← Effective working length ← Manufacturer
N° Identification : 1234567890 / M	← Identification number, serial number, traceability code
Date : 12 / 19 PES	← Date of production and material used
EN 1492-2+A1	← Standards
Working Load Limit (Depending the application)	
	← Load configuration chart
EN 1492-2+A1	← Standards
1234567890 / M	← Identification number, serial number, traceability code
Hebetech AG	
Date : 12 / 19 PES	← Date of production and material used
WLL : 2,00 T	← Working load limit

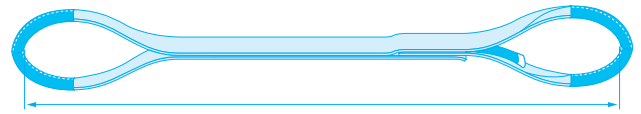
VISIBLE PART OF THE TAG

PART OF THE TAG HIDDEN IN THE STITCH

Load configuration chart : round sling and flat webbing sling



Round slings are specified with "effective working length"



Flat webbing slings are specified with "effective working length" (from eye bottom to eye bottom).

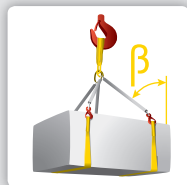
		Load in %	100 %	200 %	140 % from 7° to 45°	80 %	100 % from 7° to 45°
	WLL in kg	Width in mm (flat webbing slings only)					
			ROUND SLINGS				
			FLAT WEBBING SLINGS				
PURPLE	1 000	30	1 000	2 000	1 400	800	1 000
GREEN	2 000	60	2 000	4 000	2 800	1 600	2 000
YELLOW	3 000	90	3 000	6 000	4 200	2 400	3 000
GREY	4 000	120	4 000	8 000	5 600	3 200	4 000
RED	5 000	150	5 000	10 000	7 000	4 000	5 000
BROWN	6 000	180	6 000	12 000	8 400	4 800	6 000
BLUE	8 000	240	8 000	16 000	11 200	6 400	8 000
ORANGE	10 000	300	10 000	20 000	14 000	8 000	10 000
ORANGE	20 000	300	20 000	40 000	28 000	16 000	20 000

IMPORTANT : The Working Load Limit (WLL) mentioned must be strictly applied according to the operating conditions specified in the standards 1492-1 and 1492-2.

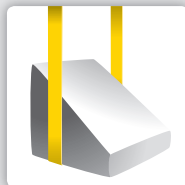
RECOMMENDATIONS OF USE



Check the weight of the load. Never overload and do not exceed Working Load Limit.



Take into account the lifting configuration and the lifting angle.



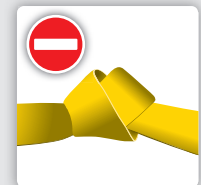
Consider the centre of gravity of the load.



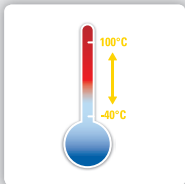
Never hang the slings on the hook tip.



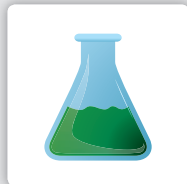
Protect slings from sharp edges.



Never tie knots.



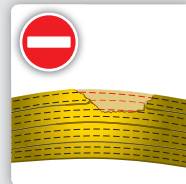
Use slings at temperatures ranging from -40°C to +100°C.



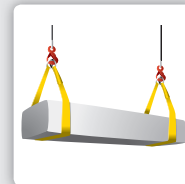
Consult manufacturer in case of chemical exposure.



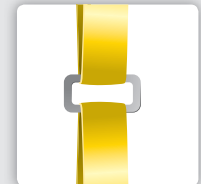
Consider hook dimensions. If necessary use shortening hook.



Destroy and replace slings as soon as the wearing indicator is visible (available on MEGA round slings only).



Make sure the load is uniformly distributed on the whole sling width.

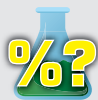


Connect slings together using appropriate loops and metal rings only.

WARNING : in case of chemical exposure consider following factors



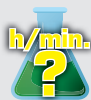
Type of chemical



Concentration



Temperature



Duration of chemical exposure

Instructions of use

- Operate round slings and flat slings within the permissible temperature range.
- Ensure that sling is protected from any sharp corners and/or abrasive surfaces, use either protective polyester, polyurethane sleeves or coatings.
- Storage : in a cool place, away from humidity and sunlight.
- Never dry sling near a fire or any source of heat.
- DO NOT USE DAMAGED SLINGS.**

YOUR SAFETY DEPENDS ON THE RIGHT USAGE OF ROUND SLINGS AND FLAT WEBBING SLINGS. DO NOT HESITATE TO CONTACT US.