



## European standard (Extract of European Standards NF EN 1492-1 and 2)

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 2006/42/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.

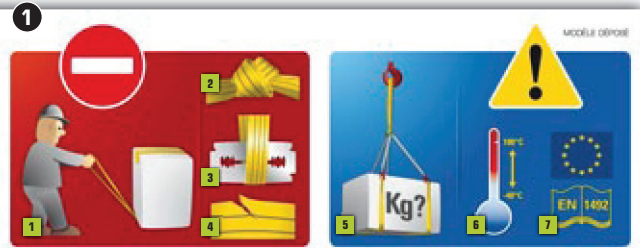
## Informations stipulated

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.

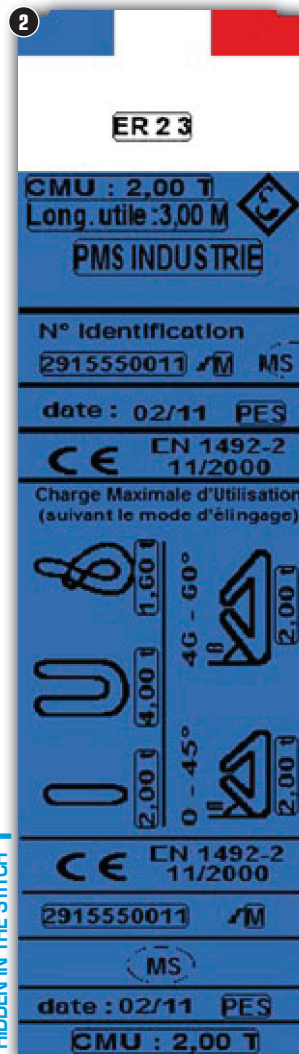
## TAGS PRESENT ON ANY WEBBING SLINGS PRODUCT



- 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.

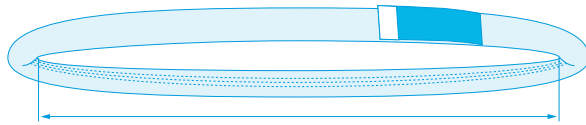
VISIBLE PART OF THE TAG



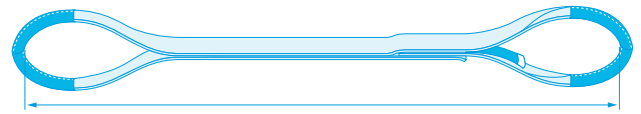
- ← Product reference
- ← Working load limit
- ← Effective working length
- ← Manufacturer
- ← Identification number, serial number, traceability code
- ← Date of production and material used
- ← Standards
- ← Load configuration chart
- ← Standards
- ← Identification number, serial number, traceability code
- ← Date of production and material used
- ← Working load limit

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).

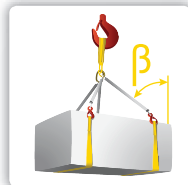
		Load in %	100 %	200 %	140 % from 7° to 45°	80 %	100 % from 7° to 45°
	WLL in kg	Width in mm (flat webbing slings only)					
			<b>ROUND SLINGS</b>				
			<b>FLAT WEBBING SLINGS</b>				
PURPLE	1 000	30	1 000	2 000	1 400	800	1 000
GREEN	2 000	60	2 000	4 000	2 800	1 600	2 000
YELLOW	3 000	90	3 000	6 000	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.



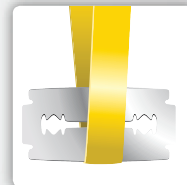
Take into account the lifting configuration and the lifting angle.



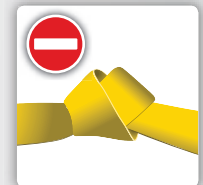
Consider the centre of gravity of the load.



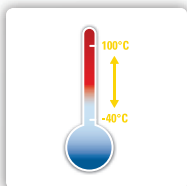
Never hang the slings on the hook tip.



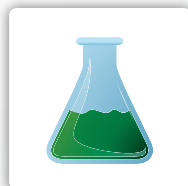
Protect slings from sharp edges.



Never tie knots.



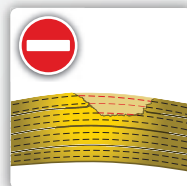
Use slings at temperatures ranging from -40°C to +100°C.



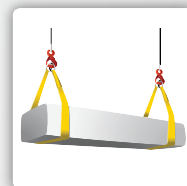
Consult manufacturer in case of chemical exposure.



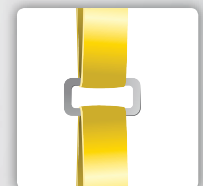
Consider hook dimensions. If necessary use shortening hook.



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.

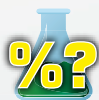


Connect slings together using appropriate loops and metal rings only.

**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.**

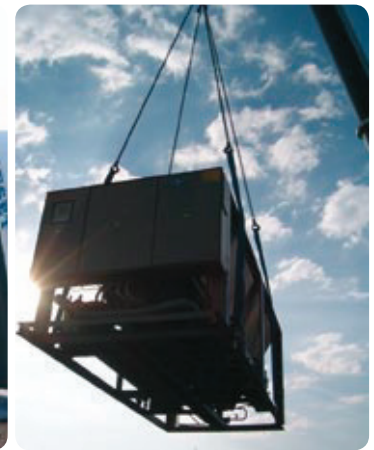
# ELRO ROUND SLING FOR STANDARD LIFTING

Available from 0.5 to 8 tons, 0.4 to 40 meters

Safety factor 7 : 1 – Complying with EN 1492-2 standard

**KNOW-HOW :** Thanks to our production equipment, we are able to propose custom-designed round slings manufactured with maximum accuracy fulfilling all your needs, and strictly complying with the EN 1492-2 standard.

**NOTICE :** All our round slings include a single or reinforced sleeve with anti-abrasion treatment, allowing optimal preservation and protection.



Colour	PURPLE	GREEN	YELLOW	GREY	RED	BROWN	BLUE	
WLL (ton)	1	2	3	4	5	6	8	
Ø 1 leg (mm)	15	20	25	30	35	40	45	
Sleeve thickness (mm)	0,75	0,75	0,80	0,80	0,70	0,70	0,70	
Weight/m (g)	270	445	560	760	940	1 170	1 535	
<b>REFERENCE</b>	1 m	ER/1/1	ER/2/1	ER/3/1	ER/4/1	ER/5/1	ER/6/1	ER/8/1
	1,5 m	ER/1/1,5	ER/2/1,5	ER/3/1,5	ER/4/1,5	ER/5/1,5	ER/6/1,5	ER/8/1,5
	2 m	ER/1/2	ER/2/2	ER/3/2	ER/4/2	ER/5/2	ER/6/2	ER/8/2
	2,5 m	ER/1/2,5	ER/2/2,5	ER/3/2,5	ER/4/2,5	ER/5/2,5	ER/6/2,5	ER/8/2,5
	3 m	ER/1/3	ER/2/3	ER/3/3	ER/4/3	ER/5/3	ER/6/3	ER/8/3
	3,5 m	ER/1/3,5	ER/2/3,5	ER/3/3,5	ER/4/3,5	ER/5/3,5	ER/6/3,5	ER/8/3,5
	4 m	ER/1/4	ER/2/4	ER/3/4	ER/4/4	ER/5/4	ER/6/4	ER/8/4
	5 m	ER/1/5	ER/2/5	ER/3/5	ER/4/5	ER/5/5	ER/6/5	ER/8/5
	Additional m	ER/1/...	ER/2/...	ER/3/...	ER/4/...	ER/5/...	ER/6/...	ER/8/...

Manufacturing available up to 100 tons. Please contact us.

## PROTECTIVE SLEEVE IN PVC



Colour	PURPLE	GREEN	YELLOW	GREY	RED	BROWN	BLUE
WLL (ton)	1	2	3	4	5	6	8
PVC 1 leg	PVC1/055	PVC1/070	PVC1/080	PVC1/100	PVC1/100	PVC1/110	PVC1/110
PVC 2 legs	PVC2/055	PVC2/070	PVC2/080	PVC2/100	PVC2/100	PVC2/110	PVC2/110

## PROTECTIVE SLEEVE IN POLYURETHANE



Colour	PURPLE	GREEN	YELLOW	GREY	RED	BROWN	BLUE
WLL (ton)	1	2	3	4	5	6	8
2 legs 1 side	FP1/50	FP1/75	FP1/90	FP1/120	FP1/120	FP1/150	FP1/180
2 legs 2 sides	FP2/50	FP2/75	FP2/90	FP2/120	FP2/120	FP2/150	FP2/180

**INFORMATION :** We can adjust the length of your slings evenly. Our certified testing facilities enable to place the slings under constant load conditions or to subject them under test load conditions.



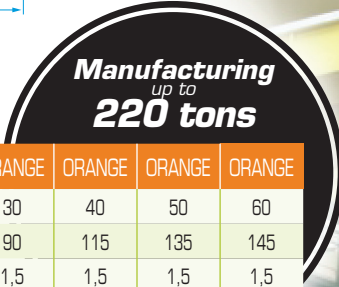
Handy : hook from 1 to 5 tons, specifically designed for easy positioning on the slings.

# ROUND SLING CAPACITY RANGING FROM 10 TONS AND ABOVE

Available from 10 to 70 tons, 3 to 40 meters - Safety factor 7 :1 – Complying with EN 1492-2 standard



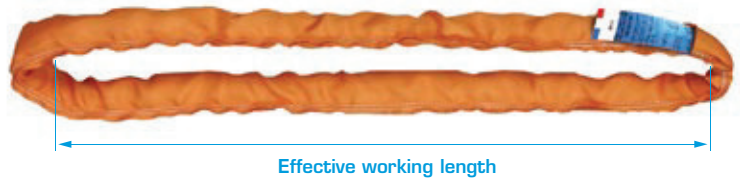
The 10 tons to 70 tons round sling is made of a sleeve whose weaving confers a high resistance to wearing and abrasion.



Colour	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	
WLL (ton)	10	12	15	20	25	30	40	50	60	
Ø 1 leg (mm)	55	58	60	70	80	90	115	135	145	
Sleeve thickness (mm)	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	
Weight /m (kg)	2,3	3	3,4	4,3	5	5,7	7,2	9	10,5	
<b>REFERENCE</b>	3 m	ER/10/3	ER/12/3	ER/15/3	ER/20/3	ER/25/3	ER/30/3	ER/40/3	ER/50/3	ER/60/3
	3,5 m	ER/10/3,5	ER/12/3,5	ER/15/3,5	ER/20/3,5	ER/25/3,5	ER/30/3,5	ER/40/3,5	ER/50/3,5	ER/60/3,5
	4 m	ER/10/4	ER/12/4	ER/15/4	ER/20/4	ER/25/4	ER/30/4	ER/40/4	ER/50/5	ER/60/5
	5 m	ER/10/5	ER/12/5	ER/15/5	ER/20/5	ER/25/5	ER/30/5	ER/40/5	ER/50/5	ER/60/5
	Additional m	ER/10/...	ER/12/...	ER/15/...	ER/20/...	ER/25/...	ER/30/...	ER/40/...	ER/50/...	ER/60/...

# ROUND SLING FROM 50 TO 100 TONS DOUBLE SLEEVE - SIDE STITCH

Available from 50 to 100 tons, 2 to 40 meters - Safety factor 7 :1 – Complying with EN 1492-2 standard



Colour	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	
WLL (ton)	50	60	70	80	90	100	
Ø 1 leg (mm)	135	140	150	160	165	170	
Weight/m (kg)	9	10,5	11,7	14	16	18	
<b>REFERENCE</b>	2 m	ERCC/50/2	ERCC/60/2	ERCC/70/2	ERCC/80/2	ERCC/90/2	ERCC/100/2
	2,5 m	ERCC/50/2,5	ERCC/60/2,5	ERCC/70/2,5	ERCC/80/2,5	ERCC/90/2,5	ERCC/100/2,5
	3 m	ERCC/50/3	ERCC/60/3	ERCC/70/3	ERCC/80/3	ERCC/90/3	ERCC/100/3
	3,5 m	ERCC/50/3,5	ERCC/60/3,5	ERCC/70/3,5	ERCC/80/3,5	ERCC/90/3,5	ERCC/100/3,5
	4 m	ERCC/50/4	ERCC/60/4	ERCC/70/4	ERCC/80/4	ERCC/90/4	ERCC/100/4
	5 m	ERCC/50/5	ERCC/60/5	ERCC/70/5	ERCC/80/5	ERCC/90/5	ERCC/100/5
	Additional m	ERCC/50/...	ERCC/60/...	ERCC/70/...	ERCC/80/...	ERCC/90/...	ERCC/100/...

## PROTECTIVE SLEEVE IN PVC

Colour	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE
WLL (ton)	10	12	15	20	25	30	40	50	60	70	80	90	100
PVC 1 leg	PVC1/170	PVC1/170	PVC1/170	PVC1/170	PVC1/170	PVC1/230	PVC1/230	PVC1/230	PVC1/230	PVC1/320	PVC1/320	PVC1/320	PVC1/320
PVC 2 legs	PVC2/170	PVC2/170	PVC2/170	PVC2/230	PVC2/230	PVC2/320	PVC2/320	PVC2/460	PVC2/460	PVC2/460	PVC2/600	PVC2/600	PVC2/600

Leather reinforcement available on request (not displayed).

Double protective sleeve : With capacity over 10 tons, the side stitch makes the sling rounder and more homogeneous.