

# Cargo Restraint Systems Lifting Solutions

S

DOL-USA C-116

## **About Us**

Dolezych is one of the leading professional manufacturers in the area of load securing technologies, lifting equipment, slings and ropes. With our team of more than 600 employees in 9 countries we are ready to serve you.

DOLECO USA is the newest company in the 80 year old Dolezych global family of businesses. A unique company focused on supplying the very best value with a keen eye on quality, with our own R&D departments and manufacturing facilities based in Europe, South America and Asia.

Founded on the principal of being able to provide the fullest offering of products, at the best value, DOLECO USA is dedicated to



providing not only the widest array of products including wire rope assemblies, web and chain slings, as well as all types of load securement, but also engineered solutions to all of your lifting and securement application needs.

We strive to not only meet the demands of our customers, but exceed their expectations. Quality engineering, quality people, low cost production facilities around the world – DOLECO USA.



Cover photo by Stephen Beebe



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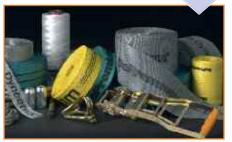
### **Tie Downs**



## **Ratchet and** Winch Straps



## **DoPremium**

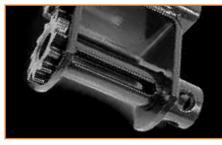


wiтн Dyneema

### **Load Binders**



## Winches



### **Catalogue Contents**

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### **Chains**



### Nets



### Hardware



## Slings





## **Training academy and research institute** – Developing Innovative solutions in load securing and improving safety



With the 2014 opened F&T La-SiSe- Institute nearby the Dolezych Headquarter we have at our disposal a unique research location accommodating a training academy, a research institute and an outdoor research lab for road trials for all vehicle classes. The test track embedded in an area of 12.5 hectares is equipped with state-of-theart measuring technology. A total of just over 6.5 million Euros was invested in this "load securing flagship".

Three modules are available for road tests: Many various conditions for load securing can be simulated in

road tests on the circular course, hill

track and dynamic motion platform; the data measured in the process can then be scientifically assessed.

The aim of the Institute is to increase traffic safety in transport by road, rail, waterways and in the air and to improve protection for employees. Proper load securing plays a central role as part of the overall logistics process and should also be held accountable on criteria such as cost-effectiveness and efficiency.



## **Doleco test laboratory guarantees high quality products**

The in-house test laboratory is a vital part of the Doleco High Quality Policy.

With our calibrated testing machines we ensure that only raw material that complies with the requested specification finds its way into our production line. Constant checks of the ready made products furthermore provide a consistent product quality.

Satisfied customers all over the world benefit from reliable quality with up to date and safe products from Doleco.











## Web Winches

Doleco USA winches comply with WSTDA-T3 and Canadian Standard 905 regulations. Available in different frame configurations to satisfy a variety of applications and load requirements.

All winches shown below are right hand models unless otherwise specified.



- Black powder coat finishes are standard on all Doleco USA winches.
- Stamped working load limit and Doleco name certify quality.

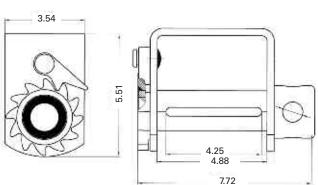
All products are labeled with UPC-Code.

## **Bottom Mount**

A lighter, 7 mm frame design is available on several models. Please contact customer service.



Weight:	8.6 lbs/3.9 kg	
WLL:	5,500 lbs/2,500 kg	
Part No.:	2810 0006	





Sto	rab	le	We	۱d	-on

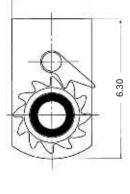
**Standard Weld-On** 

Weight:	9.1 lbs/4.13 kg
WLL:	5,500 lbs/2,500 kg
Part No.:	2810 0016

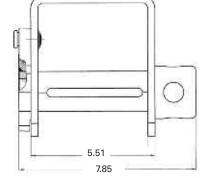


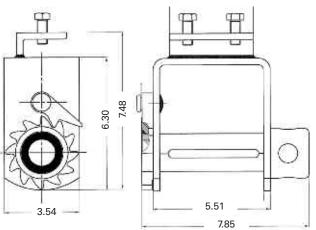
Storable Portable with 2 Set Screws

Weight:	11.1 lbs/5.0 kg
WLL:	5,500 lbs/2,500 kg
Part No.:	2810 0007



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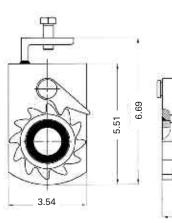


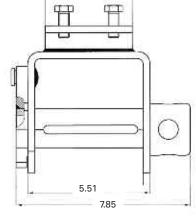


## **Bottom Mount**



Weight:	10.7 lbs/4.85 kg
WLL:	5,500 lbs/2,500 kg
Part No.:	2810 0008







Bottom Mount
<b>Standard Storage</b>
2" Spool

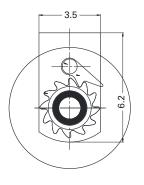
Weight:	10.5 lbs/4.77 kg
WLL:	5,500 lbs/2,500 kg
Part No.:	2810 0017

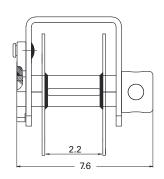
#### Bottom Mount Standard Storage 3" Spool

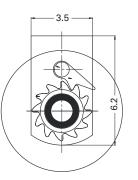
Weight:	10.5 lbs/4.77 kg
WLL:	5,500 lbs/2,500 kg
Part No.:	2810 0018

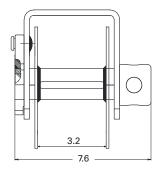
#### Bottom Mount Standard Storage 4" Spool

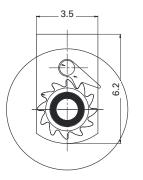
Weight:	12.4 lbs/5.6 kg
WLL:	5,500 lbs/2,500 kg
Part No.:	2810 0019

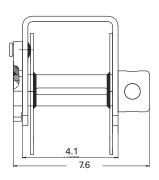








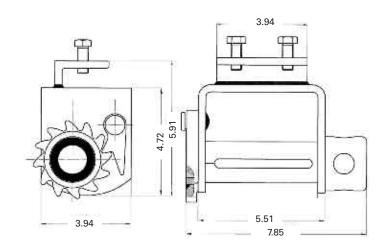




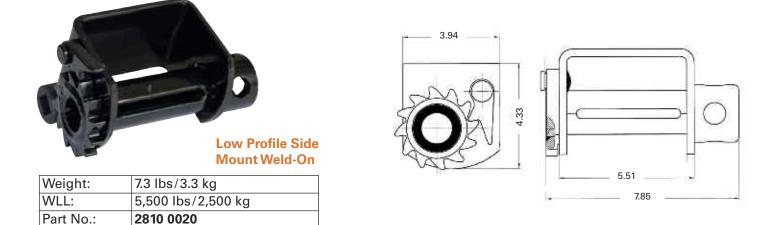


### **Bottom Mount**





### Side mount winches





### **Sliders**



	=p	Storable C Track Slider
Weight:	8.3 lbs/3.8 kg	J
Weight: WLL:	8.3 lbs/3.8 kg 6,000 lbs/2,7	· · · · · · · · · · · · · · · · · · ·

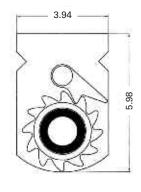


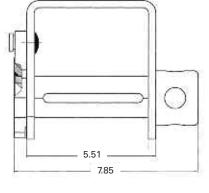
Standard Double L Track Slider

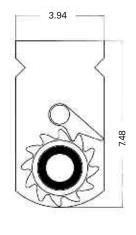
Weight:	8.16 lbs/3.70 kg
WLL:	5,500 lbs/2,500 kg
Part No.:	2810 0033

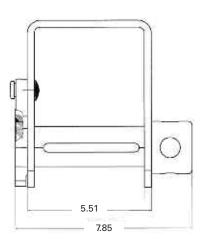
### Low Profile Double L Track Slider

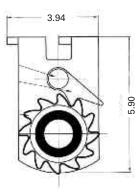
Weight:	7.94 lbs/3,60 kg	
WLL:	5,500 lbs/2,500 kg	
Part No.:	2810 0035	

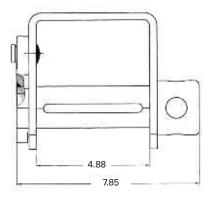


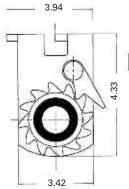


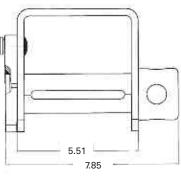












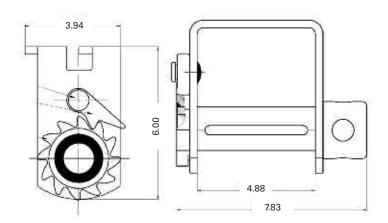


### **Sliders**

Part No.:

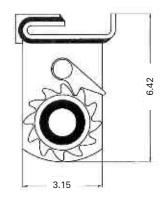


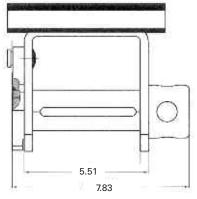
2810 0031





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Weight:	12.5 lbs/5.7 kg
WLL:	5,500 lbs/2,500 kg
Part No.:	2810 0037

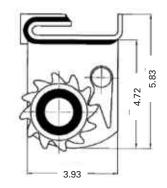


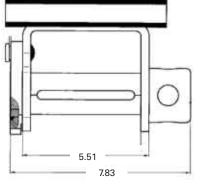


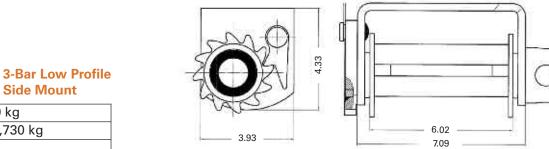


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Weight:	11.5 lbs/5.2 kg
WLL:	5,500 lbs/2,500 kg
Part No.:	2810 0038









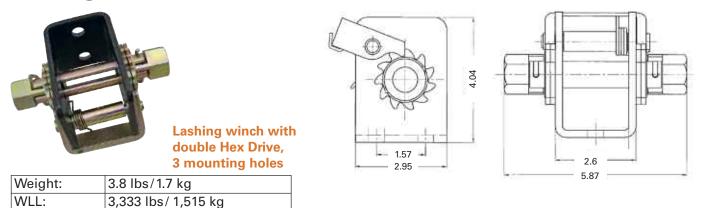


-	
Weight:	13.3 lbs/6.0 kg
WLL:	6,000 lbs/2,730 kg
Part No.:	2810 0026



## **Lashing Winch**

Part No.:

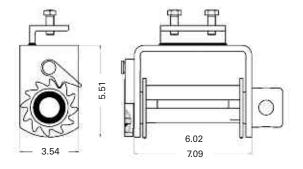


## **Special Application Winches – 3-Bar and Combination**



2810 0025

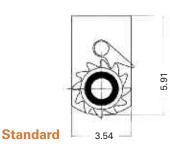
-	0	13.3 lbs/6.0 kg 6,000 lbs/2,730 kg
-		<b>2810 0028</b>



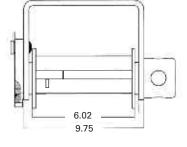


Combination Weld-On

Weight:	10.6 lbs/4.8 kg
WLL:	5,500 lbs/2,500 kg
Part No.:	2810 0001



3.94



Low Profile Combination Weld on Side Mount

Weight:	10.6 lbs/4.8 kg
WLL:	5,500 lbs/2,500 kg
Part No.:	2810 0005

Low Profile

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## **Cable Winches**

Doleco USA cable winches are easy to use. Please ensure your cable WLL matches with the safe working load ratings of the winch.

We offer cable winches in right- and left-handed versions.

All products are labeled with UPC-Code.

- Black powder coat finishes are standard on all Doleco USA winches.
- Stamped working load limit and Doleco name certify quality.





End Mount LH	
Weight:	15.4 lbs/ 7.0 kg

Part No.:	2810 0004
WLL:	5,500 lbs/2,500 kg
weight.	15.4 IDS/ 7.0 Kg

### **Flatbed Accessories**

Doleco USA heavy duty cable assemblies with zinc plated chain anchor can be used on cable, combination and web winches with side washers to prevent binding. Made of top quality aircraft cable and 19" Gr 70 anchor which meets NACM standard.

#### **Cable assemblies with Chain Anchor**

Size:		Weight:	Part No.:
1/4" x30'	2,300 lbs	5.5 lbs./ 2.49 kg	2370 0009
1/4" x32'	2,300 lbs	7.9 lbs./ 3.58 kg	2370 0010
7/32"x30'	1,867 lbs	5.5 lbs./ 2.49 kg	2370 0011
7/32"x32'	1,867 lbs	5.8 lbs./ 2.63 kg	2370 0012
5/16"x30'	3,300 lbs	7.9 lbs./ 3.58 kg	2370 0013
5/16"x32'	3,300 lbs	8.4 lbs./ 3.81 kg	2370 0014





## **Boa Winch Tie-Down System**

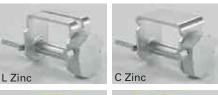


The patented BOA WINCH tie down system offers unparalleled performance and a one-year warranty against manufacturing defects.





#### Other BOA WINCH colors available at minimum order:







CYellow



















C Army Gree

An exciting new addition to the market, the BOA WINCH uses a patented 22:1 gear drive ratio to give more pretension than conventional winches. Simple to install and operate, BOA WINCH offers a safer way for users of all sizes and strengths to secure loads using either webbing straps or wire ropes. No more having to deal with ratchet winches or winch bars, the BOA WINCH utilizes a hand crank and self locking design to secure loads. Offering performance unparalleled by competitors, the BOA WINCH comes with a one-year warranty against manufacturing defects.





WLL:

Woight

**Double L Slider** 

**C**Track Slider

5,500 lbs

Silver Zinc

2810 0040

14.4 lbs/6.5 kg

WLL:

Weight:

Part No.:

Color:

weight.	14.3 IDS/ 0.2 Kg
Color:	Silver Zinc
Part No.:	2810 0039

5,500 lbs

 $14.3 \ln c/6.2 kg$ 





### Winch Track For standard C track and Double L track slider winches



Steel C Track -Formed from high strength 1/4" steel plate

Weight:	39.0 lbs/17.73 kg	
Length:	6 ft/182.88 cm	
Part No.:	2830 0001	
Weight:	78 lbs/35.4 kg	

Part No.:	2830 0002
Length:	12 ft/364.76 cm
weight.	76 IDS/ 35.4 Kg

1000	
11 1	Aluminum C
11 11	Track – High
1	strength aluminum

extrusion Weight: 19 lbs/8.64 kg Length: 6 ft/182.88 cm 2830 0003 Part No.:



**Aluminum Double** L Track – Designed for Double L slider winches

Weight:	26.25 lbs/11.92 kg
Length:	10 ft/304.80 cm
Part No.:	2830 0004

## Winch Bars

Tapered and angled at the end for easy operation, Doleco's winch bar handles are knurled at two sections, and the mushroom tip helps keep the bar from slipping from the winch cap. They are heat-treated for extra strength and

### **Standard Painted**

Weight:	5.0 lbs/2.27 kg
Part No.:	2820 0001



Flanged mushroom tip helps keep the bar from slipping from the winch cap.

cycle tested to simulate years of heavy use. Combination winch bars can be used

to release tension on chain binders. Use caution to avoid injury. Not to be used as a cheater bar.

### **Combination Box End Chrome**

Weight:	6.5 lbs/2.95 kg
Part No.:	2820 0002

### **Combination Chrome**

Site ik

Weight:	5.0 lbs/2.27 kg
Part No.:	2820 0004

### Standard Chrome

	6.5 lbs/2.95 kg
Part No.:	2820 0003

### This new industry standard winch bar offers 2 options for your use

 more efficient, easier to use in all types of weather

- moves quickly and easily between Xcel | winches
- notable sense of "balance" and ease of use
- with its patented angle and ergonomic design replaces the standard straight winch bar

5.0 lbs/2.27 kg Weight: Part No.: 2820 0005



atented!



- adds a new feature for chain binders, which turns this bar into a "chain binder handle extension" for releasing only Xcel II
- the Xcel II's design includes a squared attachment at the end of the handle
- Being able to release the chain binder in a controlled manner offers you the ability to re-secure the chain binder should the load begin to shift

Weight:	6.5 lbs/2.95 kg
Part No.:	2820 0006



## **Winch Straps**

Available in many different configurations to suit your specific needs, Doleco winch and ratchet straps meet the highest standards for heavy duty wear, abrasion resistance, and strength. Meeting WSTDA T-1 Standards for Synthetic Web Tiedowns, all Doleco straps are made using the best webbing and most trusted hardware.

### Standard 2" Winch Strap WLL: 3,333 lbs/1,515 kg

with Delta Ring			
Weight:	3.0 lbs/1.36 kg	3.2 lbs/1.45 kg	
Length:	27 ft	30 ft	
Part No.:	2310 1227	2310 1230	



and the second	ECO USA	3333 LBS WLL
CITE WALKS	PARTICLE AND PARTY	1975 KUS

with Wire Hook

Weight:	3.0 lbs/1.36 kg	3.2 lbs/1.45 kg
Length:	27 ft	30 ft
Part No.:	2310 2227	2310 2230

with Flat Hook

Weight:	3.0 lbs/1.36 kg	3.2 lbs/1.45 kg
Length:	27 ft	30 ft
Part No.:	2310 0227	2310 0230

### Standard 3" Winch Strap WLL: 5,400 lbs/2,450 kg

PL.	DOLEGO USA	2450 KGS WLL Flat Hool
Weight:	4.3 lbs/1.95 kg	4.7 lbs/ 2.13 kg
Length:	27 ft	30 ft
Part No.:	2310 4327	2310 4330

00000		with	
Pool 1	-DOLEGO US	A 新設設 WLL	Chain Anchor
Weight:	6.7 lbs/3.04 kg	7.1 lbs/3.22 k	g
Length:	27 ft	30 ft	
Part No.:	2310 5327	2310 5330	

## Standard 4" Winch Strap WLL: 5,400 lbs/2,450 kg

	DOLEGO US	5400 LBS WEL 2450 KGS WEL	Flat Hook
		5.5 lbs/2.49 kg	6.6 lbs/2,99 kg
Length:	27 ft	30 ft	40 ft

2310 4430

2310 4440



Part No.: 2310 4427

Part No.:	2310 8430
Length:	30 ft
Weight:	5.5 lbs/2.49 kg



Weight:	6.0 lbs/2.72 kg	6.5 lbs/2.95 kg
Length:	27 ft	30 ft
Part No.:	2310 9427	2310 9430



	DOLEGO USA	5400 LBS WEL 2450 KBB WEL	with Delta Ring
Weight:	4.8 lbs/2.18 kg	5.2 lbs/2.36 kg	
Length:	27 ft	30 ft	
Part No.:	2310 7427	2310 7430	
	6		

<	DOLECO USA	54801.85 WLL Chair 2450 KGS WLL Ancho
Weight:	7.0 lbs/3.18 kg	7.5 lbs/3.4 kg
Length:	27 ft	30 ft
Part No.:	2310 5427	2310 5430

## Roll-On/Roll-Off Container Strap

Strap with Container Hook		
Weight:	3.5 lbs/1.59 kg	
WLL:	5,400 lbs/2,450 kg	
Part No.: 2310 4405		

**4" x 5-ft.** with Container Hook-FMCSA Compliant

### Strap with Container Hook and Sewn Loop

	3.5 lbs/1.59 kg
WLL:	5,400 lbs/2,450 kg
Part No.:	2310 4499



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## DoPremium 2" Winch Straps WLL: 3,333 lbs/1,515 kg

The ultimate winch straps for extreme applications. Doleco's new DoPremium webbing delivers greater durability, strength and abrasion resistance. Testing shows 80% retained strength after abrasion. This is approximately twice the retained strength of standard winch straps.

Hoopsperminum Hills w		
with Flat H	looks	
	3.9 lbs/1.77 kg	4.2 lbs/1.91 kg
Length:	27 ft	30 ft

## DoPremium 3" Winch Straps WLL: 5,400 lbs/2,450 kg

2311 4230





with Flat Hooks

Part No.: 2311 4227

Weight:	6.1 lbs/ 2.7 kg
Length:	30 ft
Part No.:	2311 4330

### with Chain Anchors

Weight:	9.2 lbs/ 4.17 kg
Length:	30 ft
Part No.:	2311 5330

## DoPremium 4" Winch Straps WLL: 5,400 lbs/2,450 kg



### with Delta Ring

Weight:	6.2 lbs/2.81 kg	6.8 lbs/3.08 kg
Length:	27 ft	30 ft
Part No.:	2311 7427	2311 7430



### with Flat Hook

Weight:	6.5 lbs/2.95 kg	7.2 lbs/3.27 kg
Length:	27 ft	30 ft
Part No.:	2311 4427	2311 4430

## Roll-On/Roll-Off Container Strap

4" x 5-ft. with Container Hook-FMCSA Compliant

## Different States

### **Strap with Container Hook**

Weight:	3.5 lbs/1.59 kg
WLL:	5,400 lbs/2,450 kg
Part No.:	2311 4405

### with Half Twisted Loop

Weight:	7.2 lbs/ 3.27 kg
Length:	30 ft
Part No.:	2311 9430



### with Chain Anchor

Weight:	9.8 lbs/ 4.45 kg
Length:	30 ft
Part No.:	2311 5430

### Strap with Sewn Loop

Weight:	3.5 lbs/1.59 kg	
WLL:	5,400 lbs/2,450 kg	
Part No.:	2311 4499	



## **Patented Innovations**

Designed with input from our 80 years of experience in the load securing industry, our patented innovations offer load securing solutions unlike any other products currently on the market. From ratchet levers to force indicators and cargo nets, we produce our own uniquely designed products with a competitive edge. Made from the highest quality webbing, metals, and fasteners, our products take load security, personnel safety, and national standards to the next level.

### **DoMulti** Long lever pull ratchet – the ergonomic ratchet

Zinc plated long handle ratchet with lever safety. Highly stretched Polyester fabric, 2" webbing, low elongation. Zinc plated hooks. WLL 5,511 lbs/2,500 kg.



Two-piece lashing strap with 2x Double J-Hook

Weight:	7.39 lbs/3.35 kg	7.62 lbs/3.45 kg
Length:	27 ft	30 ft
Part No.:	2651 5034-27	2651 5034-30

- Long tensioner lever (350 mm) and ideal transmission ratio (20 teeth)
- Easy handling high pretension force (2,222 lbs / 1,000 kg can be achieved)
- Four cog wheels instead of two
- Wear-resistant and robust
- Easy to open safe construction

**DoMulti** Ratchet with DoMess tension indicator and U-Profile Hook



### **Do2Step** An innovation based on the well-proven DoMulti long lever ratchets

The easy and safe way to avoid accidents that can be caused by instable, sliding, and tilting loads when opening the lashing devices.

The first step loosens the webbing without loosening the lashing devices, maintaining load security. The second step opens the lashing devices and allows removal of the load once safety has been ensured.



Two-piece lashing strap with 2x Profile Hook

Weight:	9.41 lbs/4.27 kg	9.7 lbs/4.40 kg
Length:	27 ft	30 ft
Part No.:	2650 5434-27	2650 5434-30

- Width 2"
- WLL 5,511 lbs/2,500 kg
- Zinc plated long handle ratchet with lever safety
- Four cog wheels
- Pre-stretched polyester fabric
- low elongation
- Abrasion resistant
- Zinc plated hooks



### **DoMess** Tension Force Indicator

DoMess Tension Force Indicator allows easy reading of the tension forces applied to the lashing strap, ensuring greater user safety and overall efficiency. Accurate tension readings minimize both lashing systems and installation time used. Simply install the DoMess indicator, move the lever, and read the value.



## **Removable Handle Ratchet**

The DoZurr ratchet with removable handle has several advantages over ratchets with standard handles.

It is highly theft-resistant, low-weight, lowprofile, and high-quality.

Perfect for use on one way lashings, train loads, and export deliveries.



### Standard ratchet with removable handle, 2 inch

	Ratchet body only	Handle only
Weight:	1.21 lbs/0.551 kg	2.67 lbs/1.21 kg
Part No.:	0650 5017	0650 5016









## **DoKEP®** Nets

DoKEP nets are custom designed depending on the application. Available in either one or two inch widths with an assortment of attachment options, our DoKEP nets are constructed with a patented sewing technique that gives them twice the load security capacity of our old nets. Our nets are fast and easy to install, and are a dependable and durable way to secure your loads. Contact sales for more information.



Please contact customer service for more information

#### **Transport Chain** Grade 70 Transport Chain meets NACM standards **Chain Assemblies** with Clevis Hooks **Bulk Chains** Size: WLL: Weight: Part No.: Size: Weight: Part No.: 5/16" x 16' 4,700 lbs 17.4 lbs/7.89 kg 2350 5616 5/16" x 400' 408 lbs /185.07 kg 2350 5600 5/16" x 20' 4,700 lbs 22.0 lbs/9.98 kg 2350 5620 3/8" x 200' 296 lbs/134.26 kg 2350 3800 5/16" x 25' 4,700 lbs 26.7 lbs/12,11 kg 2350 5625 262 lbs/118.84 kg 2350 1400 1/4" x 400' 3/8" x 16' 6,600 lbs 27.6 lbs/12,52 kg 2350 3816 1/2" x 100' 251 lbs/113.85 kg 2350 1200 3/8" x 20' 6,600 lbs 30.4 lbs/13.79 kg 2350 3820 3/8" x 25' 6,600 lbs 38.5 lbs/17.46 kg 2350 3825 1/2" x 20' 11,300 lbs 57.5 lbs/26.08 kg 2350 1220 1/2" x 25' 11,300 lbs 62.3 lbs/28.26 kg 2350 1225 Chain assemblies available in 5-gallon drums **Clevis Hooks** Size: Weight: WLL: Part No.: Size: Part No.: Weight: 5/16" x 16' 4,700 lbs 17.6 lbs/7.85 kg 2361 5616 5/16" 0.85 lbs /0.39 kg 2350 5604 5/16" x 20' 4,700 lbs 22.0 lbs/9.98 kg 2361 5620 3/8" 1.10 lbs / 0.5 kg 2350 3804 5/16" x 25' 4,700 lbs 1/4" 0.40 lbs / 0.18 kg 26.7 lbs/12,11 kg 2361 5625 2350 1404 3/8" x 16' 25.4 lbs/11.52 kg 2361 3816 1/2" 2.10 lbs / 0.95 kg 2350 1204 6,600 lbs

# Slip Hooks G70, Zinc Plated with Safety Latch

Size:	WLL:	Weight:	Part No.:
1/4"	2,750 lbs	.59 lbs /.27 kg	2360 0058
5/16"	4,300 lbs	.92 lbs /.42 kg	2360 0059
3/8"	5,250 lbs	1.32 lbs /.60 kg	2360 0060
1/2"	9,000 lbs	2.90 lbs / 1.32 kg	2360 0061

32.0 lbs/14.51 kg 2361 3820

6,600 lbs 39.7 lbs/18.01 kg **2361 3825** 

3/8" x 20'

3/8" x 25'

6,600 lbs

## **Flatbed Solutions**

## **Coil Rack**

Designed to be used with wood bracing to secure coils in transit.



### Light Duty, 10 gauge steel

Weight:	5.7 lbs/2.6 kg
Part No.:	2370 0001

# Heavy Duty Coil Rack

Weight:	15.63 lbs/7.09 kg
Part No.:	2370 0002

## Heavy Duty D-Rings

Forged Ring Assembly

### with Bolt-on Clip



with boit-on cip				
Size:	1/2 inch			
WLL	4,000 lbs			
Weight:	1.1 lbs/ 0.5 kg			
Part No.:	2840 0001			

18 I

### with Weld-on Clip



Size:	1/2 inch
WLL	4,080 lbs
Weight:	1.1 lbs/ 0.5 kg
Part No.:	2840 0002

### with Weld-on Clip



Size:	5/8 inch
	6,300 lbs
Weight:	2.0 lbs/0.9 kg
Part No.:	2840 0003

### with Weld-on Clip

Size:	3/4 inch
WLL	9,120 lbs
Weight:	2.3 lbs/1.0 kg
Part No.:	2840 0004

### with Weld-on Clip

Size:	1 inch
WLL	15,586 lbs
Weight:	4.8 lbs/2.2 kg
Part No.:	2840 0005





### Load Binders

Drop forged steel meeting WSTDA T-6 specifications. In three popular models.

Weight:

3.5 lbs

7.9 lbs

9.4 lbs

#### **Ratchet Load Binders**

Part No.:

2350 1402

2350 5602

2350 6602

WLL:	Weight:	Accepted Chain:	Part No.:	WLL:
2,600 lbs	3.5 lbs	1/4"-5/16"	2350 1401	2,000 lbs
5,400 lbs	7.9 lbs	5/16"-3/8"	2350 5601	5,400 lbs
6,600 lbs	9.4 lbs	5/16"-3/8"	2350 6601	6,600 lbs
9,200 lbs	11.9 lbs	3/8"-1/2"	2350 3801	9,200 lbs
13,000 lbs	20.8 lbs	1/2"-5/8"	2350 1201	13,000 lbs

Recoilless Lever Load **Binder** 

Lever Load Binders

9,200 lbs	11.9 lbs	3/8"-1/2"	2350 3802
13,000 lbs	20.8 lbs	1/2"-5/8"	2350 1202
WLL:	Weight:	Accepted Chain:	Part No.:
5,400 lbs	9.0 lbs	5/16"-3/8"	2350 5603

1/4"-5/16"

5/16"-3/8"

5/16"-3/8"

Accepted Chain:

### **Chain Tensioner**

Our Chain Tensioner is twice as fast as a regular tensioner, has a folding handle for ease of storage, and can be locked 🔬 with a padlock for additional load security.

		Weight	
Part No.:	Size	(lbs)	WLL (lbs)
2350 5614	5/16"~3/8" G70-G80	10.91	7,100
2350 3814	3/8"~1/2" G70-G80	13.36	12,000
2350 1214	1/2"~5/8" G70-G80	17.09	18,100

## Patented, innovative Load Anchor

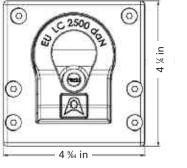


These Load Anchors are a patented new way to secure loads to truck beds. Flush fitting when not in use, Load Anchors are easy to install, easy to use, and have a self cleaning design. They will not freeze up under muddy, wet, or other poor conditions. Safer to use than alternative designs.

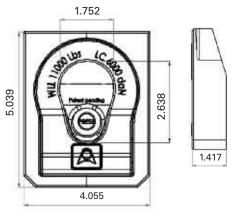
WLL Ibs:	LC daN:	Width x Length:	Eye Diameter	Part No.:	Weight:
4,400	2500	105 x 108 mm/ 4.13 x 4.25 in	33 mm/ 1.30 in		1.96 lbs/ 0.890 kg



111 million 111 million	and the second s	The second s			
WLL	LC		Eye		
lbs:	daN:	Width x Length:	Diameter	Part No.:	Weight:
11,000	6000	103x130 mm/ 4.06x5.12 in	45 mm/ 1.77 in	0600 3060	3.64 lbs/ 1.65 kg









OLEGO USA TITLE \*

30 ft

2340 3230

11.7 lbs/5.31 kg

Charles Charles

### **Ratchet Strap Assemblies**

Meets FMCSA and WSTDAT-1 standards for synthetic web tiedowns

### 2" Long-Wide Handle Ratchet Buckle Straps – WLL: 3,333 lbs/1,515 kg

with Chain Anchors

Part No.: 2340 3227

27 ft

11.5 lbs/5.22 kg

Weight:

Length:



#### with Flat Hooks

Weight:	6.4 lbs/2.9 kg	6.5 lbs/2.95 kg
Length:	27 ft	30 ft
Part No.:	2340 0227	2340 0230



#### with Wire Hooks

Weight:	6.3 lbs/2.86 kg	6.5 lbs/2.95 kg
Length:	27 ft	30 ft
Part No.:	2340 2227	2340 2230

## NO.: 2340 2227 2340 2230

### 2" Short-Wide Handle Ratchet Buckle Straps – WLL: 3,333 lbs/1,515 kg



#### with Flat Hooks

Weight:	6.1 lbs/2.77 kg	6.3 lbs/2.86 kg
Length:	27 ft	30 ft
Part No.:	2340 1227	2340 1230

### **2" Standard Handle Ratchet Buckle Straps**

-WLL: 3,333 lbs/1,515 kg



#### with Flat Hooks

Weight:	6.3 lbs/2.86 kg	6.5 lbs/2.95 kg
Length:	27 ft	30 ft
Part No.:	2343 2227	2343 2230





## New: Quick Release Side Loading Ratchet Assembly

### Faster lashing saves time

Frequent loading and unloading operations often mean to the driver time-consuming feeding the webbing into the ratchet, tightening, loosening, unloading and possibly removing the webbing from the ratchet. With the new Doleco USA Ratchet you are saving valuable time when lashing: The strap is inserted through a side gate directly into the spool, which eliminates the time-consuming threading process of webbing into the ratchet.

### 2" Side Loading Ratchet "DoRapid" – WLL: 3,333 lbs/1,515 kg



#### with Flat Hooks

Weight:	5.6 lbs/2.52 kg	5.7 lbs/2.57 kg
Length:	27 ft	30 ft
Part No.:	2653 0227	2653 0230

#### with Wire hooks

Weight:	5.5 lbs/2.48 kg	5.6 lbs/2.52 kg
Length:	27 ft	30 ft
Part No.:	2653 2227	2653 2230





#### Your Benefits:

- Up to 40% faster lashing!
- Simplified Handling



- 1. Closed Ratchet (fig. a)
- 2. Open Ratchet, release lock
- 3. Insert Webbing via opened side gate (fig. b)
- 4. Close Side gate
- 5. Lock side panel with ratchet



## Step by Step Instruction

AECO USA

WLL 3,333 lbs / 1,515 kg



1. Closed Ratchet

In closed ratchet the side gate is locked



2. Open Ratchet, release lock

By opening the ratchet (bringing the manual lever in the release position) the locking mechanism disengages and the side gate can be opened





The webbing can easily be loaded sideways into the spool



4. Close Side gate

After the webbing is inserted, the side gate must be closed again

5



5. Lock side panel with ratchet

By closing the hand lever, the side gate is locked and the ratchet is ready to use









### 3" Ratchet Buckle Straps - WLL: 5,400 lbs/2,450 kg





17.3 lbs/7.85 kg

30 ft

2340 5330

17.1 lbs/7.76 kg

with Chain Anchors

with Chain Anchors

27 ft

2340 5327

Weight:

Length:

Part No.:

### with Flat Hooks

Weight:	16.49 lbs/7.48 kg	16.7 lbs/7.57 kg
Length:	27 ft	30 ft
Part No.:	2340 4327	2340 4330

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#### with Wire Hooks

Weight:	16.7 lbs/7.57 kg
Length:	30 ft
Part No.:	2340 6330

### 4" Ratchet Buckle Straps - WLL: 5,400 lbs/2,450 kg





### with Flat Hooks

Weight:	18.0 lbs/8.16 kg	18.2 lbs/8.26 kg
Length:	27 ft	30 ft
Part No.:	2340 4427	2340 4430

Weight:	22.6 lbs/10.25 kg	22.8 lbs/10.34 kg
Length:	27 ft	30 ft
Part No.:	2340 5427	2340 5430

### 4" Ratchet Buckle Straps - WLL: 6,600 lbs/3,000 kg



#### with Narrow Wire Hooks

Weight:	18.1 lbs/8.21 kg	18.3 lbs/8.3 kg
Length:	27 ft	30 ft
Part No.:	2340 6427	2340 6430



### Web Winder

Manufactured from durable steel, the Web Winder is the perfect tool to help secure your loads. Designed to keep excess webbing straps neatly organized, the Web Winder works with two, three, or four inch wide straps. It is easy to install, easy to remove, and easy to disassemble. Light weight and compact means ease of storage as well.



## **DoPremium – Engineered for Strength and Durability**

Doleco Ratchet Buckle Strap Assemblies have redefined the industry standard. Now with the tested and proven 80% retained strength of Doleco's DoPremium webbing and the integrity of our ratchet buckles, these assemblies surpass the others. A complete line of Doleco's standard and heavy-duty assemblies and accessories can meet all your specific requirements.

- Custom lengths and a wide range of end hardware are available
- Complies with WSTDAT-1 Standards

- Webbing meets or exceeds WSTDAT-4 Standards
- Standard fixed end length is 18-in. (33 in. for chain anchor) unless otherwise specified

## DoPremium 2" Ratchet Buckle Straps WLL: 3,333 lbs/1,515 kg



#### with Flat Hooks

Weight:	7.0 lbs/3.18 kg	7.2 lbs/3.27 kg
Length:	27 ft	30 ft
Part No.:	2341 0227	2341 0230





#### with Chain Anchors

Weight:	12.7 lbs/5.76 kg 12.9 lbs/5.85 kg	
Length:	27 ft	30 ft
Part No.:	2341 3227	2341 3230

#### with Wire Hooks

	0	0	7.2 lbs/3.27 kg
			30 ft
F	Part No.:	2341 2227	2341 2230

### DoPremium 3" Ratchet Buckle Straps WLL: 5,400 lbs/2,450 kg



#### with Flat Hooks

Weight:	16.5 lbs/7.48 kg	16.7 lbs/7.57 kg	
Length:	27 ft	30 ft	
Part No.:	2341 4327	2341 4330	



Part No.:	2341 5327	2341 5330	
Length:	27 ft	30 ft	
Weight:	17.1 lbs/7.76 kg	17.3 lbs/7.85 kg	

### DoPremium 4" Ratchet Buckle Straps WLL: 5,400 lbs/2,450 kg



### with Flat Hooks

Part No.:	2341 4427	2341 4430	
Length:	27 ft	30 ft	
Weight:	19.8 lbs/8.98 kg	lbs/8.98 kg 20.0 lbs/9.07 kg	



#### with Wire Hooks

- 1	<u> </u>		2341 6430
Ì	Length:	27 ft	30 ft
	Weight:	19.9 lbs/9.03 kg	20.1 lbs/9.12 kg



Part No.:	2341 5427	2341 5430
Length:	27 ft	30 ft
Weight:	24.9 lbs/11.29 kg 25.1 lbs/11.39 kg	



## **Heavy Duty Tarp Ties**

Made in the USA and known for quality, durability, and resistance to weather, these tarp ties offer good stretch recovery and maintain their strength over the entire life of the tarp ties. The DoPremium domestic tarp ties offer the longest lasting, larger cross section, recognized by heavy duty truckers throughout North America. They all offer exceptional strength and costs that compete with import tarp ties. All hooks are made in the USA from wire coils.



- Quantity 50 per box
- Designed to hold tarp covers on trucks and trailers
- Not to be used to restrain or secure cargo
- Wear safety glasses and use caution when using tarp ties
- Molded EPDM construction for high Ozone resistance and strength resiliency or molded natural rubber for good cold weather stretch properties



Natural Rubber

## Made in USA

-	Part No.:	Weight:
10"	2864 0010	10.0 lbs/4.54kg
15"	2864 0015	12.0 lbs/5.44kg
21"	2864 0021	15.0 lbs/6.8 kg
31"	2864 0031	19.0 lbs/8.62 kg
41"	2864 0041	23.0 lbs/10.43kg

High Quality Tarp Ties/HD EPDM

## **DoPremium** Made in USA

Length:	Part No.:	Weight:	
10"	2862 0010	10.0 lbs/4.54kg	
	2862 0015	12.0 lbs/5.44 kg	
21"	2862 0021	15.0 lbs/6.8 kg	
31"	2862 0031	19.0 lbs/8.62 kg	
41"	2862 0041	23.0 lbs/10.43kg	

EPDM

## IMPORT

Length:	Part No.:	Weight:	
10"	2861 0010	10.0 lbs/4.54kg	
		12.0 lbs/5.44kg	
		15.0 lbs/6.8 kg	
31"	2861 0031	19.0 lbs/8.62 kg	
41"	2861 0041	23.0 lbs/10.43kg	



#### **Rubber rope and Hooks**

	Lenght/Quantity	Part No.:	Weight:
3/8" Solid Core	200' Roll	2863 0001	10.7 lbs/4.85 kg
7/16" Solid Core	150' Roll	2863 0002	7.4 lbs/3.36 kg
Rubber Rope Hooks	100 pc Bag	2863 0003	5.2 lbs/2.36 kg



## **Corner Protectors** Full line of corner protectors to protect your straps and cargo



Fiber Reinforced Rubber – For up to 3" web straps

Weight:	.63 lbs/.29 kg
Part No.:	2330 0003



Fiber Reinforced Rubber – For up to 4" web straps

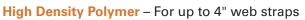
•	-
Weight:	.75 lbs/.34 kg
Part No.:	2330 0004



Steel – For use with chain

Weight:	1.10 lbs/.50 kg
Part No.:	2330 0006





Weight:	.06 lbs/.03 kg
Part No.:	2330 0005



**Steel** – For use with chain and straps

Weight:	.1.26 lbs/.86 kg	
Part No.:	2330 0010	



**12" Plastic** – For up to 3" web straps

Weight:	.47 lbs/.21 kg
Part No.:	2330 0009



Rubber Coated Steel – For use with chain and extends 4" to protect load

Weight:	1.90 lbs/.29 kg
Part No.:	2330 0007



### Tarp Protector - Yellow plastic

Weight:	.63 lbs/.29 kg
Part No.:	2330 0011



## **DoPremium Guard**

DoPremium VeeBoards<sup>®</sup> are manufactured from ultra strong, crack resistant, high-density polyethylene and have been tried and tested all over the world. They are light weight, user friendly and long lasting, making them ideal for the rough and tough trucking industry. While being strong enough to hold a load of drums in place, they are also flexible enough to bend when the cargo is not of a uniform shape.

DOT requirements specify that all loads should be secured in such a way as to assure that no pieces come loose, endangering those behind. Also, DoPremium VeeBoards MUST be used if the strap is in any danger of being cut or damaged by the freight.



- Lighter than steel
- Last 10 times longer than wood
- Stack efficiently
- Spread the pressure of the strap over 12", 24", 36" or 48"
- Unlike aluminum they will bend, then return to their original shape
- Weather resistant
- Do not crack in freezing temperatures, will not burn your hands in hot temperatures.
- Cost efficient
- Made in various colors
- Do little or no damage if they come loose



## **Anti-Slip Mats**

Anti-Slip Mats increase the coefficient of friction between the load and the load bearing surface. This increases load stability and security, and reduces the number of lashing devices required to secure the load. Several sizes available to choose from.





Please contact customer service for more information like Part No., Dimensions, Thickness, Price.

Rubber Friction Mat 30" x 42"

	3.5 lbs/1.59 kg	
Part No.:	2370 0008	



### **Flags and Banners**



Double-sided banner, "Wide load" and "Oversize load", Vinyl Fabric, with 4 Ropes

	Part No.:	U U
18"x 84"	2800 0006	1.2 lbs/0.54 kg



Double-sided banner, "Wide load" and "Oversize load", Durable Vinyl Fabric, with 4 Ropes

Size:	Part No.:	Weight:
14"x 72"	2800 0008	0.8 lbs/0.36 kg



One-sided banner, "Wide load" Mesh, with 4 Ropes

Size:	Part No.:	Weight:
18"x 84"	2800 0010	0.8 lbs/0.36 kg



Double-sided banner, "Wide load" and "Oversize load", Mesh with 4 Ropes

	Part No.:	U U
18"x 84"	2800 0009	0.8 lbs/0.36 kg



Double-sided banner, "Wide load" and "Oversize load", Durable Vinyl Fabric, with 4 Ropes

Size:	Part No.:	Weight:
18"x 84"	2800 0007	1.3 lbs/0.59 kg



### Canadian D Sign, Durable Vinyl Fabric, 10 Attachment Points

Size:	Part No.:	Weight:
12"x 96"	2800 0011	0.8 lbs/0.36 kg



Heavy Duty Mesh Flag (Fluorescent, with 2 Brass Grommets)

Size:	Part No.:	Weight:
18"x 18"	2800 0003	0.2 lbs/0.09 kg



Heavy Duty Mesh Flag (Fluorescent)

Size:	Part No.:	Weight:
18"x 18"	2800 0001	0.4 lbs/0.18kg



PVC coated Orange Flag with Grommets

Size:	Part No.:	Weight:
18"x 18"	2800 0005	0.2 lbs/0.09 kg



PVC coated Orange Flag and Wooden Dowel

Size:	Part No.:	Weight:
18"x 18"	2800 0004	0.2 lbs/0.09 kg



**Cotton Flag with Steel Rod** 

	Part No.:	U U
18"x 18"	2800 0002	0.2 lbs/0.09 kg

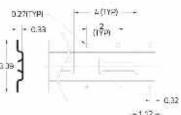


## Logistic Track

Doleco Series E, A and FTrack were designed to team with Doleco end fittings, Beam Sockets and Decking/Shoring Beams for the strongest, most reliable support. Steel constructed and tested for strength, Doleco Track comes in 10 ft. (3 m) lengths for a wide range of cargo restraint applications. To withstand corrosion, Doleco galvanized track has a G-90 hot dip finish with a surface chemical treatment.

### Series E Logistic Track Made with high grade 12-gauge steel





### **Grey Powdercoat**

Horizontal	Weight:	16.6 lbs/7.5 kg	8.3 lbs/7.5 kg
	Length:	10 ft/3 m	5 ft/1.5 m
	Part No.:	3310 0008	3310 0009

Vertical	Weight:	13.5 lbs/6.1 kg
	Length:	10 ft/3 m
	Part No.:	3310 0001

# 

- + 0.54

0.27 (TYP)



#### Galvanized

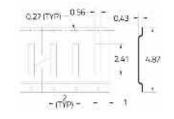
Horizontal	Weight:	17.2 lbs/7.8 kg	8.3 lbs/7.5 kg
	Length:	10 ft/3 m	5 ft/1.5 m
	Part No.:	3310 0010	3310 0011
Vertical	Weight:	14.0 lbs/6.4 kg	
	Length:	10 ft/3 m	
	Part No.:	3310 0002	

## Series A Logistic Track



Grey I	<b>Powdercoat –</b> 12-gauge	

Weight:	Length:	Part No.:
15.0 lbs/6.8 kg	10 ft/3 m	3310 0005



## Series F Logistic Track

### Galvanized

1.62" hole spacing, 3/4" hole dia., 15-gauge

Weight:	Length:	Part No.:
6.0 lbs/2.7 kg	10 ft/3 m	3310 0004



## Shoring Bars F Series with new easy push button design

**Square Shoring Bar** 

Adjustable in 2" increments with recommended install length of 81" - 117"



	for 3/4" hole	for 1" hole	for 10" hole
	diameter track (U.S.)	diameter track (Canada)	(Canada)
Shoring WLL:	1000 lbs/454 kg	1000 lbs/454 kg	1000 lbs/454 kg
Weight:	20.0 lbs/9.1 kg	20.0 lbs/9.1 kg	20.0 lbs/9.1 kg
Part No.:	3320 0005	3320 0004	3310 0003



## Interior Van Solutions

#### **Round Shoring Bar**



-		
	for 2/4" hole	for 1" hole
	for 3/4" hole diameter track (U.S.)	for 1" hole diameter track (Canada)
Shoring WLL:	1000 lbs/454 kg	1000 lbs/454 kg
Weight:	28.0 lbs/12.71 kg	28.0 lbs/12.71 kg
Part No.:	3320 0003	3320 0006

### **Clamping Bars**



## Telescope bars made of galvanized steel, with antiskid rubber feet on each side

Please contact customer service for more information like adjustable range, Part No., Price.

## Series E and A Decking/Shoring Beams

All Doleco Decking/Shoring Beams are equipped with our patented Flat Latch. The Flat Latch eliminates bent triggers, jammed beams, costly beam replacement and repairs, and out-of-service problems. The Flat Latch can't damage interior trailer walls. The flat latch channel assembly can be purchased separately to retro-fit older trigger style beams.

Standard Duty Aluminum E and A Decking Beams Decking & Shoring WLL: 2,200 lbs



		WEL. 2,200 103
Adjustment range:	Weight:	Part No.:
85.7" – 96.6"	16.0 lbs/7.27 kg	3320 0007
92.9" – 103.8"	18.8 lbs/8.55 kg	3320 0008

### Heavy Duty Aluminum E and A Decking Beams

Decking WLL: 3,000 lbs/Shoring WLL: 2,500 lbs

Adjustment range:	Weight:	Part No.:
84.7" – 95.6"	20.5 lbs/9.32 kg	3320 0009
92.9" – 103.8"	22.5 lbs/10.23 kg	3320 0010
96.0" – 106.9"	24.25 lbs/11.03 kg	3320 0011

Cargo Bars Available in Steel Bar models and Aluminum for light to medium duty applications. Bolt-On Feet.



			<mark>eel Cargo Bar</mark> – Ilvanized Steel Tubing
Length:	Weight:		Part No.:
89.75" – 104.5"	11.72 lbs/5.33 kg	1.50″	3320 0019

Aluminum Cargo Bar – 6061 T6 Aluminum

Length:	Weight:	Long Tube Diameter:	Part No.:
89.75" – 104.5"	8.95 lbs/4.07 kg	1.50″	3320 0016



## **Interior Van Solutions**

## **Jack Bars**

Doleco's jack mechanism makes quick work of securing loads and is available in two lengths.





Heavy Duty One-Piece – Galvanized finish for corrosion resistance.

Adjustment range:	Weight:	Part No.:
85.0" – 104.0" Black Handle	16.2 lbs/7.35 kg	3320 0020
85.0" – 114.0" Red Handle	16.6 lbs/7.54 kg	3320 0021

## Heavy-Duty One-Piece Jack Bar with Hoops

Built-in hoops for restraining small items and packages. One-Piece galvanized.

Adjustment range:	Weight:	Part No.:	
85.0" – 114.0" Red Handle	20.0 lbs/9.08 kg	3320 0022	
85.0" – 104.0" Black Handle	19.6 lbs/9.0 kg	3320 0023	

### Accessories

#### Cargo Bar Hoop Set

Designed to help restrain the movement of small packages of cargo within your truck or trailer. For 3320 0016 and 3320 0019 round tube bars. Tube Diameter: 1.5."





#### **Cargo Bar Holder**

Constructed of high quality steel and finished with black powder coating for corrosion resistance. Holds two standard or heavy-duty cargo bars.



	6.68 lbs/3.03 kg
Part No.:	3320 0025

### Series E / A Rope Tie Off

With spring actuated fitting for rope use in Series E or A track. WLL: 1,333 lbs/605 kg.

Weight:	.40 lbs/.18 kg
Part No.:	3330 0002



Weight:	0.3 lbs / 0.14 kg
WLL:	530 lbs / 239 kg
Part No.:	3330 0005

### **Recessed Pan Fitting**



Weight:	1.2 lbs / 0.54 kg
WLL:	1,666 lb / 750 kg
Part No.:	3330 0006

## Patented Reversible Channel Assembly

3320 0035 can be used even if damaged by simply reversing it in the aluminum tube.

#### With two latches



	3.8 lbs/1.73 kg
Part No.:	3320 0035

### **Standard version**



Weight:	3.8 lbs/1.73 kg
Part No.:	3320 0032



## Series E Cam Buckle Straps with Spring End Fittings

Popular straps for securing light to medium loads. Comes in 3 color coded sizes. WLL: 833 lbs/378 kg.

### Yellow Webbing

Weight:	1.65 lbs/.75 kg
Length:	12 ft/365.76 cm
Part No.:	3350 0212

### **Grey Webbing**

<u> </u>	3350 0216
Length:	16 ft/487.68 cm
Weight:	1.80 lbs/.82 kg

### Blue Webbing

No. of the

Weight:	1.95 lbs/.88 kg
Length:	20 ft/609.60 cm
Part No.:	3350 0220

## Series E Ratchet Buckle Straps with Spring End Fittings

Low profile ratchet buckle makes tensioning more convenient for securing loads. Three standard color coded sizes. WLL: 1,333 lbs/605 kg.

## Yellow Webbing

Weight:	2.25 lbs/1.02 kg
Length:	12 ft/365.76 cm
Part No.:	3350 0712

## 

### **Grey Webbing**

Weight:	2.40 lbs/1.09 kg
Length:	16 ft/487.68 cm
Part No.:	3350 0716

### **Blue Webbing**

Weight:	2.55 lbs/1.16 kg
Length:	20 ft/609.60 cm
Part No.:	3350 0720

## **Ratchet Strap Assemblies for Interior Van**



### Heavy Duty Ratchet Buckle Strap, with Spring End Fitting, WLL: 1,333 lbs/0,605 kg

Weight:	3.5 lbs/1.59 kg	4.0 lbs/1.81 kg	5.0 lbs/2.27 kg
Length:	12 ft	16 ft	20 ft
Part No.:	3351 0712	3351 0716	3351 0720

### Auto Tiedown Serie E Transit Strap with RTJ Hook, WLL: 1,000 lbs / 454 kg



Weight:	6.0 lbs/2.72 kg	6.5 lbs/2.95 kg	7.5 lbs/3.4 kg
Length:	6 ft	8 ft	12 ft
Part No.:	3340 0010	3340 0011	3340 0012



## **Utility Tiedowns**

## **Utility Tiedowns**

Versatile and reliable for securing a wide range of light- to medium-duty cargo.



#### **Cam Buckle Tiedown**

1" x 5 – 1/2' Red, vinyl coated S Hooks, Fixed End: 6"

WLL:	400 lbs/181 kg
Weight:	1.60 lbs/.73 kg
Part No.:	3800 0008



Mini Ratchet Strap with D-Rings and Wire Hooks WLL: 1,000 lbs/454 kg Packaged with header card and bag

Size:	Weight:	Part No.:
1″ x 16'	1.56 lbs/.71 kg	3800 0010
1″×20'	1.69 lbs/.77 kg	3800 0011



Ratcheting Tiedowns 1" x 10', 2-pack, 1" black Ratchet straps with vinyl coated S Hooks in an interactive package.

	2.25 lbs/1.0 kg
Part No.:	3800 0002



**Ratcheting and Cam Tiedowns** 

Contains two each 1" multi-purpose Ratchet and Cam Buckle tie downs with scratch-resistant vinyl coating.

WLL:	500 lbs/227 kg
Weight:	3.20 lbs/1.45 kg
Part No.:	3800 0006



#### **Cam Buckle Tiedowns**

1" x 8', 4-pack, 1" red Cam straps with scratch-resistant vinyl coated S Hooks in an interactive package.

WLL:	400 lbs/180 kg
Weight:	3.8 lbs/1.72 kg
Part No.:	3800 0004



**Ratcheting Tiedowns** 

1" x 10', 4-pack, 1" black Ratchet straps with vinyl coated S Hooks in an interactive package.

WLL:	550 lbs/250 kg
Weight:	4.6 lbs/2.1 kg
Part No.:	3800 0005



### **Cam Buckle Tiedowns**

1"x 8', 2-pack, 1" Cam straps with scratch-resistant vinyl coated S Hooks in an interactive package.

WLL:	400 lbs/181.44 kg
Weight:	1.9 lbs/.86 kg
Part No.:	3800 0001



## **Utility Tiedowns**



### **4-pack, Strap Assembly** Ratchet Buckle with vinyl coated S Hooks

WLL:	266 lbs/121 kg
Size:	1″ x 15'
Weight:	4.7 lbs/2.13 kg
Part No.:	3800 0015



### **Ratchet Strap with Wire Hooks**

WLL:	1,000 lbs/454 kg
Size:	1″ x 10'
Weight:	1.6 lbs/0.73 kg
Part No.:	3800 0013





## Ratchet Strap with S Hooks, with Clamshell Packaging

WLL:	400 lbs/182 kg
Size:	1″ x 14'
Weight:	1.0 lbs/0.45 kg
Part No.:	3800 0018



### **Ratchet Strap with S Hooks, Bulk**

WLL:	400 lbs/182 kg					
Size:	1″x 14'					
Weight:	0.80 lbs/0.40 kg					
Part No.:	3800 0020					

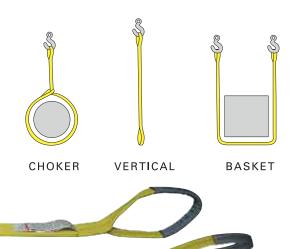




## Lifting Slings

## Flat Eye to Eye - Polyester Slings

- Light Weight & Economical
- 9,800 lbs. Polyester Webbing
- Single-Ply & Double-Ply Styles
- Industry Compliant Sewn In Warning Tags
- Reinforced Eyes
- Tapered Eyes on 2", 3", & 4" Widths



## Single-Ply 9,800 lbs Twisted Eye to Eye Slings

PartNo.	Size	Choker	Vertical	Basket	Weight	PartNo.	Size	Choker	Vertical	Basket	Weight
6811 0103	1" x 3'	1,250	1,600	3,200	0.35 lbs/0.16 kg	6811 0204	2" x 4'	2,500	3,200	6,400	0.88 lbs/0.40 kg
6811 0104	1" x 4'	1,250	1,600	3,200	0.42 lbs/0.19 kg	6811 0206	2" x 6'	2,500	3,200	6,400	1.08 lbs/0.49 kg
6811 0106	1" x 6'	1,250	1,600	3,200	0.53 lbs/0.24 kg	6811 0210	2" x 10'	2,500	3,200	6,400	1.48 lbs/0.67 kg
6811 0110	1" x 10'	1,250	1,600	3,200	0.75 lbs/0.34 kg	6811 0212	2" x 12'	2,500	3,200	6,400	1.80 lbs/0.82 kg
6811 0203	2" x 3'	2,500	3,200	6,400	0.75 lbs/0.34 kg	6811 0214	2" x 14'	2,500	3,200	6,400	2.00 lbs/0.91 kg

## Double-Ply 9,800 lbs Twisted Eye to Eye Slings



PartNo.	Size	Choker	Vertical	Basket	Weight
6812 0104	1" x 4'	2,500	3,200	6,400	0.57 lbs/0.26 kg
6812 0108	1" x 8'	2,500	3,200	6,400	1.00 lbs/0.45 kg
6812 0203	2" x 3'	5,000	6,400	12,800	0.80 lbs/0.36 kg
6812 0204	2" x 4'	5,000	6,400	12,800	0.97 lbs/0.44 kg
6812 0206	2" x 6'	5,000	6,400	12,800	1.32 lbs/0.60 kg
6812 0208	2" x 8'	5,000	6,400	12,800	1.72 lbs/0.78 kg
6812 0210	2" x 10'	5,000	6,400	12,800	2.10 lbs/0.95 kg
6812 0212	2" x 12'	5,000	6,400	12,800	2.43 lbs/1.11 kg
6812 0216	2" x 16'	5,000	6,400	12,800	2.70 lbs/1.225 kg
6812 0220	2" x 20'	5,000	6,400	12,800	3.75 lbs/1.70 kg
6812 0230	2" x 30'	5,000	6,400	12,800	5.80 lbs/2.63 kg

PartNo.	Size	Choker	Vertical	Basket	Weight
6812 0310	3" x 10'	6,900	8,600	17,200	2.65 lbs/1.2 kg
6812 0312	3" x 12'	6,900	8,600	17,200	3.09 lbs/1.4 kg
6812 0316	3" x 16'	6,900	8,600	17,200	4.10 lbs/1.86 kg
6812 0320	3" x 20'	6,900	8,600	17,200	5.07 lbs/2.30 kg
6812 0406	4" x 6'	9,200	11,500	23,000	2.18 lbs/0.99 kg
6812 0408	4" x 8'	9,200	11,500	23,000	2.73 lbs/1.24 kg
6812 0410	4" x 10'	9,200	11,500	23,000	3.30 lbs/1.5 kg
6812 0412	4" x 12'	9,200	11,500	23,000	3.85 lbs/1.75 kg
6812 0416	4" x 16'	9,200	11,500	23,000	5.0 lbs/2.26 kg
6812 0420	4" x 20'	9,200	11,500	23,000	6.12 lbs/2.78 kg
6812 0430	4" x 30'	9,200	11,500	23,000	8.82 lbs/4.0 kg

## Wire Rope Slings for all types of applications

Contact us for specifications and pricing.



# **Polyester Round Slings**

- Light Weight & Durable
- Low Stretch Properties for Optimum Use in Low Headroom Applications
- Continuous Looped Polyester Load Yarns Inside
- Abrasion Resistant Double Wall Polyester Protective Cover
- Color Coded to Industry Capacity Standards
- Industry Compliant Sewn Warning Tags



	Straight		Rate	ed Capacity	/ lbs.	
Part No.	Length	Color	Choker	Vertical	Basket	Weight
6820 0103	1" x 3'	Purple	2,100	2,600	5,200	0.9 lbs/0.41 kg
6820 0104	1" x 4'	Purple	2,100	2,600	5,200	1.2 lbs/0.54 kg
6820 0106	1" x 6'	Purple	2,100	2,600	5,200	1.8 lbs/0.82 kg
6820 0108	1" x 8'	Purple	2,100	2,600	5,200	2.4 lbs/1.09 kg
6820 0110	1" x 10'	Purple	2,100	2,600	5,200	3.0 lbs/1.36 kg
6820 0112	1" x 12'	Purple	2,100	2,600	5,200	3.6 lbs/1.63 kg
6820 0203	2" x 3'	Green	4,200	5,300	10,600	1.2 lbs/0.54 kg
6820 0204	2" x 4'	Green	4,200	5,300	10,600	1.6 lbs/0.73 kg
6820 0208	2" x 8'	Green	4,200	5,300	10,600	3.2 lbs/1.45 kg
6820 0210	2" x 10'	Green	4,200	5,300	10,600	4.0 lbs/1.81 kg
6820 0212	2" x 12'	Green	4,200	5,300	10,600	4.8 lbs/2.18 kg
6820 0220	2" x 20'	Green	4,200	5,300	10,600	8.0 lbs/3.63 kg
6820 0303	3" x 3'	Yellow	6,700	8,400	16,800	1.8 lbs/0.82 kg
6820 0304	3" x 4'	Yellow	6,700	8,400	16,800	2.4 lbs/1.09 kg
6820 0306	3" x 6'	Yellow	6,700	8,400	16,800	3.6 lbs / 1.63 kg
6820 0308	3" x 8'	Yellow	6,700	8,400	16,800	4.8 lbs/2.18 kg
6820 0310	3" x 10'	Yellow	6,700	8,400	16,800	6.0 lbs/2.72 kg
6820 0312	3" x 12'	Yellow	6,700	8,400	16,800	7.2 lbs/3.27 kg
6820 0320	3" x 20'	Yellow	6,700	8,400	16,800	12.01 lbs/5.44 kg
6820 0410	4" x 10'	Tan	8,500	10,600	21,200	7.0 lbs / 3.18 kg
6820 0416	4" x 16'	Tan	8,500	10,600	21,200	11.2 lbs/5.08 kg
6820 0504	5" x 4'	Red	10,600	13,200	24,400	3.2 lbs / 1.45 kg
6820 0506	5" x 6'	Red	10,600	13,200	24,400	4.8 lbs/2.18 kg
6820 0508	5" x 8'	Red	10,600	13,200	24,400	6.4 lbs/2.9 kg
6820 0510	5" x 10'	Red	10,600	13,200	24,400	8.0 lbs/3.63 kg
6820 0512	5" x 12'	Red	10,600	13,200	24,400	9.61 lbs/4.35 kg
6820 0520	5" x 20'	Red	10,600	13,200	24,400	16.1 lbs/7.26 kg
6820 0706	7" x 6'	Blue	17,000	21,200	42,400	9.61 lbs/4.35 kg
6820 0708	7" x 8'	Blue	17,000	21,200	42,400	12.81 lbs/5.81 kg
6820 0710	7" x 10'	Blue	17,000	21,200	42,400	16.0 lbs / 7.26 kg
6820 0712	7" x 12'	Blue	17,000	21,200	42,400	19.21 lbs/8.71 kg
6820 0720	7" x 20'	Blue	17,000	21,200	42,400	32.01 lbs / 14.51 kg

# Warnings

Please read and comply with all warnings on labels and packaging. Failure to do so may result in loss of load or serious property damage and/or personal injury. Always inspect slings for damage and excessive wear prior to using. DO NOT USE if fibers are cut, burned, melted or have been exposed to unknown chemicals. DO NOT USE if wires are broken or severely deformed or if eye crimps have become loose or broken. Discard and replace appropriately. For Operating and Inspection Manuals for Synthetic Web Slings, see the Web Sling & Tie-Down Association Publication WSTDA-WS-2 at www.wstda.com. For Operating and Inspection Manuals for Polyester Round Slings, see the Web Sling & Tie-Down Association Publication Requirements for Wire Rope Slings, see OSHA Part 1910.184 Slings or Contact the

Association of Wire Rope Fabricators AWRF at www.awrf.org.



# **DoPremium**

# **DoPremium Eye Slings**



DoPremium Eye Slings are the highest quality Eye Slings we have to offer. Improvements over our standard Eye Slings include: higher temperature resistance (up to 150° C), higher abrasion resistance, higher compression resistance, and overall longer service life. All DoPremium Eye Slings come standard with fully reinforced eyes. Please contact us for pricing.

Item No.	WLL Single (Ibs/kg)	WLL Double (lbs/kg)	Band Width x Thick- ness (in/mm)	Length of Eye (in /mm)		Min. Length (in/mm)
0567 9602	2204/1000	4409/2000	1.97×0.24/50×6	7.87/200	.98/25	33.46/850
0567 9752	4409/2000	8818/4000	2.95×0.31/75×8	11.81/300	.98/25	51.18/1300
0567 9782	6613/3000	13227/6000	3.94×0.31/100×8	13.78/350	1.38/35	59.01/1500
0567 9852	8818/4000	17636/8000	4.92×0.31/125×8	16.73/425	1.77/45	62.99/1600
0567 0002	11023/5000	22046/10000	5.91 x 0.39/150 x 10	19.69/500	1.97/50	74.80/1900

## **DoPremium Wire Rope Slings DoPremium Round Slings**



DoPremium Wire Rope Slings take the benefits of various other Wire Rope Slings and combine them all into one great product. Our DoPremium Wire

Rope Slings feature better flexibility in load handling, cone splices for easier manipulation around

loads, and a color coding system for easy differentiation. All these features combine to give these slings a very high level of safety. Please contact us for pricing.

Item No.	Nominal	Load
	Diameter	Capacity
	(in/mm)	(lbs/kg)
6261 1301	.51/13	4409/2000
6261 1601	.63/16	6613/3000
6261 2001	.79/20	11023/5000

Please contact customer service for more information like Part No., Dimensions, Thickness, Price.



DoPremium Round Slings are an improvement over our standard Round Slings. The covers are made of a thicker, improved webbing that is more abrasion resistant and less prone to wrinkling.

In addition, each Round Sling comes with the WLL woven into the fabric for easy, permanent, identification. These Round Slings offer the best performance, safety, and service life of any Round Sling we have to offer. Please contact us for pricing.

Item No.	WLL Single (Ibs/kg)
0514 0552	2204/1000
0514 1552	4409/2000
0514 3552	6613/3000
0514 4552	8818/4000
0514 5552	11023/5000
0514 6052	13227/6000
0514 7552	17636/8000
0514 8052	22046/10000
0514 9152	26455/12000
0514 9352	33069/15000







# Heavy Duty Roundslings

When Lifting Slings with extreme high carrying capacities are needed Roundslings made with Dyneema<sup>®</sup> are the best choice. Through this high performance fibres an own weight reduction of 60% is achieved.

The lower elongation of Dyneema<sup>®</sup> in comparison to Polyesterfibres lead to an improved dimensional accuracy. This becomes relevant when lifting asymmetrical loads.

# Dyneema<sup>®</sup> Rope Sling DoPremium

Our 12-times braided Dyneema<sup>®</sup>-Lifting slings are as standard available up to WLL 100 t. Higher carrying capacities up to 400 t are possible.

These ropes are lightweight and handy. Rigging has never been easier!





# Sharp Edge Protection

Dyneema<sup>®</sup> Protection tubes offer the optimum sharp edge protection for Weblings and Roundslings. This clearly extends the lifetime of textile Lifting Slings and allows their use at load with sharp edges at all.

> Dyneema® is a trademark of DSM. Use of this trademark is prohibited unless strictly authorized.





### **Tie-down DoPremium with Dyneema®**



These ratchet tie downs are made for the roughest purposes. DoPremium with Dyneema®-Tie downs can be used without any additional webbing protector because the Dyneema® webbing is highly resistant against cuts and abraision. The longer lifetime saves money!





# Heavy Duty Tie Down

The powerhouse for direct lashing with 1,110 lbs / 5,000 kg and only 2 inch webbing width.

This extraordinary high lashing capacity is achieved by high value components in combination with Dyneema<sup>®</sup> webbing. Substitute your Lashing Chains and benefit from low weight and easy handling!

### **DoFlex1** Abrasion Protection

Innovative: The elastic PES-tube for tie downs reliable protects the webbing against wear and tear.





# **DoFlex2** Deflex2 Abrasion Protection with Dyneema<sup>®</sup>

Extra tough; The Elastic weaving construction made of Dyneema<sup>®</sup> fibres makes the DoFlex2-Protection tube to an ideal webbing protector for all kind of purposes.

Dyneema® is a trademark of DSM. Use of this trademark is prohibited unless strictly authorized.

DOLEC

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Hardware

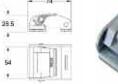
# **Cam Buckles**







	0.25 lbs / 0.11 kg
Part No.:	5810 0004



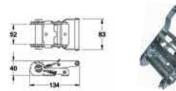
#### 2", WLL 1,000 lbs / 454 kg

	0.69 lbs / 0.31 kg
Part No.:	5810 0001

# **Ratchet Buckles, I"**

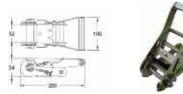


# **Ratchet Buckles, 2"**



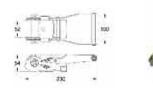
Low Profile, WLL 1,500 lbs

Weight:	1.3 lbs / 0.59 kg
Part No.:	5820 0005



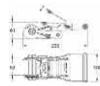
Short V	Vide	Handle,	WLL	3,666	lbs

Part No.:	5820 0008
Weight:	2.2 lbs / 1.0 kg



Long Wide Handle, WLL 3,666 lbs

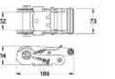
Weight:	2.3 lbs / 1.05 kg
Part No.:	5820 0006



Web Keeper LWH WLL 3,666 lbs

Weight:	2.35 lbs / 1.07 kg
Part No.:	5820 0011

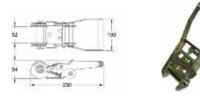






Standard Handle, WLL 3,666 lbs

Weight:	2.1 lbs / 0.95 kg
Part No.:	5820 0007



Long Wide Handle, WLL 3,666 lbs

Weight:	2.4 lbs / 1.1 kg
Part No.:	5820 0014



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# Ratchet Buckles, 3 & 4"

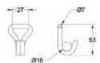


#### 3", WLL 7,333 lbs

 Weight:
 7.0 lbs / 3.18 kg

 Part No.:
 5820 0012

# Wire Hooks





#### Narrow 1", WLL 1,000 lbs

	0.10 lbs / 0.05 kg
Part No.:	5841 0002



Narrow 2", WLL 3,333 lbs

	0.62 lbs / 0.28 kg
Part No.:	5841 0010



S-Hook, Plated, 1", WLL 400 lbs

	0.28 lbs / 0.13 kg
Part No.:	5841 0005



S-Hook, Vinyl, 1", WLL 600 lbs

Weight:	0.30 lbs / 0.14 kg
Part No.:	5841 0007



Weight:

Part No.:

4", WLL 8,000 lbs

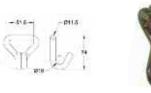
#### Narrow 2", WLL 1,666 lbs

134

8.0 lbs / 3.63 kg

5820 0013

	0.39 lbs / 0.18 kg
Part No.:	5841 0009



# Narrow 2", WLL 3,333 lbs

Part No.:	5841 0014
Weight:	0.62 lbs / 0.28 kg



#### S-Hook, Vinyl, 1", WLL 400 lbs

 Weight:
 0.29 lbs / 0.13 kg

 Part No.:
 5841 0006



Rave-Hook, Vinyl, 1", WLL 1.167 lbs

	0.29 lbs / 0.13 kg
Part No.:	5841 0013





Narrow 3", WLL 7,333 lbs

Weight:	1.39 lbs / 0.63 kg
Part No.:	5841 0012



# Hardware



2" sling	
-	2.2 lbs/1 kg
WLL	5,400 lb
PN	5842 0009

## **Track Fittings**



**Series E Track Fitting** 

Weight:	0.3 lbs/0.14 kg
WLL	1,333 lbs
PN	5845 0006



Weight: 0.6 lbs/0.27 kg

3,333 lb

5843 0002

WLL

ΡN

Weight: 0.3 lbs/0.14 kg

2100 lb

5843 0001

WLL

ΡN

Series E Track Fitting with D Ring		
	Weight:	0.4 lbs/0.18 kg
	WLL	1,000 lbs
	PN	3330 0007



WLL

ΡN

Weight: 1.2 lbs/0.54 kg

6,666 lb

5844 0004

Series E Track Fitting with Ring

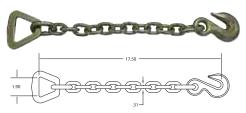
Weight: WLL	0.5 lbs/0.23 kg	
PN	1,000 lbs 3330 0008	

# **Chain Attachments**



Chain Anchor, with Delta Ring, Unplated

PN	5846 0002
WLL	5,400 lbs
Weight:	3.4 lbs/1.54 kg



Chain Anchor 5/16"

PN	5846 0003
WLL	3,333 lbs
Weight:	2.7 lbs/1.22 kg



Grabhook Assembly, Unplated

PN	5846 0001	
WLL	5,400 lbs	
Weight:	1.6 lbs/0.73 kg	



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# Webbing

# Webbing



VVI	dh	Break. Stre	ength Cap.	Туре	Color*	Part No.	
in:	mm	lbs	kg				Weight:
1"	25	4,500	2,045	Nylon, 100 yard roll	blue	5890 0001	1.105 lbs/0.05 kg
2"	50	6,000	2,727	Polyester, Bulk Webbing	yellow	5890 0002	1.165 lbs/0.07 kg
2"	50	6,000	2,727	Polyester, Bulk Webbing	grey	5890 0003	1.165 lbs/0.07 kg
2"	50	6,000	2,727	Polyester, Bulk Webbing	blue	5890 0004	1.165 lbs/0.07 kg
2"	50	12,000	5,454	Polyester, Latex Treated, Bulk Webbing	yellow	5890 0005	0.228 lbs/01 kg
3"	75	18,000	8,181	Polyester, Latex Treated, Bulk Webbing	yellow	5890 0006	0.133 lbs/0.06 kg
4"	100	20,000	9,090	Polyester, Latex Treated, Bulk Webbing	yellow	5890 0007	0.133 lbs/0.06 kg

\* Different colors on inquiry





# Warranty and Guidelines

Types of damage you should look for in tie downs:

### Warranty

Doleco USA warrants its products to be free from defect in material or workmanship for a period of twelve (12) months from the date of shipment. During this period, Doleco USA will, at its option either repair or replace any product or part thereof found to be defective in material or workmanship. This warranty is good for all product that has not been subject to modification, abuse, misuse, accident or repair. Defective product must be returned to Doleco USA or its factory location. The Company warrants that it has the right to provide the Goods but otherwise the Goods are provided on an "as-is" basis without warranty of any kind, express or implied, oral or written including, without limitation, the implied conditions of merchantable quality, fitness for purpose and description, all of which are specifically and unreservedly excluded. In particular, but without limitation, no warranty is given that the Goods are suitable for the purposes intended by the Client. The Company warrants that the Goods will be supplied using reasonable care and skill. The Company does not warrant that the Goods supplied are error-free, accurate or complete.

### **RECOMMENDED OPERATING, AND INSPECTION GUIDELINES FOR** SYNTHETIC WEB TIE DOWNS



Read and follow all use and safety information provided with this tie down. Failure to do so may result in severe INJURY or DEATH due to tie down failure and/or loss of load,

The following six points briefly summarize several important safety issues:



All users must be trained in tic down selection, use and inspection, cautions to personnel and environmental effects. Users must follow all applicable federal, state, provincial and local regulations and industry standards.

Inspect tie down for damage 🔏 before each use. A tie down shall be removed from service if you detect any of the conditions listed on the back of this label. If you have ANY doubts about the condition of a tie down, do not use or repair it.

Protect tie down from damage. 3 ALWAYS protect tie downs in contact with edges, corners, protrusions or abrasive surfaces with materials of sufficient strength, thickness and construction to prevent damage.

Do not exceed the working load 4 limit of the tie down, taking into account the tie down, the load, the vehicle's anchor points, etc. Always consider the effect of tie down angle and tension on the tie down's capacity.

Be alert when securing loads. 5 Loads must be securely blocked and stabilized before applying tension to or releasing tie downs.

Maintain and store tie downs b properly. Tie downs should be protected from mechanical, chemical and environmental damage.

#### Inspection and Removal from Service

The entire tie down must be inspected before each use and it shall be removed from service if ANY of the following are detected:

- If tie down identification tag is missing or not readable.
- · Holes, tears, cuts, snags or embedded materials.
- Broken or worn stitches in the load bearing splices.
- . Knots in any part of the webbing · Acid or alkali burns.
- · Melting, charring or weld spatters on any part of the webbing.
- Excessive abrasive wear or crushed webbing.
- Signs of ultraviolet (UV) light degradation.
- · Distortion, excessive pitting, corrosion or other damage to buckles or end fitting(s).
- Any conditions which cause doubt as to the strength of the tie down.

To detect possible damage, perform a visual inspection of the entire length of the tie down. Even damage that looks "minor" can significantly degrade tie down performance. If you have ANY doubts about the condition of a tie down, DO NOT USE IT.

Never attempt to perform temporary field repairs of damaged tie downs (e.g., tie knots in the webbing, etc.),

Use this tie down for securing cargo only. NEVER use a tie down for towing purposes. NEVER use a tie down for lifting, lowering, or suspending objects.

If you want more information about Tie Down safety, contact WSTDA to obtain copies of the Synthetic Tie Down Safety Bulletin - a companion document to this labeling. (Rounds)ing & Web Sing Safety Bulletins are also available) @Web Sling & Tie Down Association, Inc. www.wstda.com TOWT-1 2010 w E.

Snags

Acid/alkali burns

Excessive abrasive wear



Knots



Crushed webbing



Cuts or tears



Melting or charring

Embedded materials







UV degradation

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# Guidelines

#### Where to Find Additional Information

This bulletin does not provide you with all the information you need to know in order to be considered trained and knowledgeable about securing cargo and using tie downs, but it does provide important information about the use of tie. downs. If you need more information about the downs or your responsibilities according to regulations and standards, talk to your employer. You and your employer can consult a number of sources of information to help ensure that you are properly knowledgeable and trained when using tie downs, including (but not limited to):

- WSTDAT-1-Recommended Standard Specification for Synthetic Web Tie Downs.
- WSTDA-T-2—Recommended Operating and Inspection Manual for Synthetic Web Tie Downs.
- Protection against shifting and falling cargo. 49 CFR 393.100-393.136 U.S. Department of Transportation
- Understanding the Federal Motor Carrier Safety Administration's Cargo Securement Rules. U.S. Department of Transportation. Publication No.: MC-P/PSV-04-001. (http://fmcsa.dot.gov/documents/cargo/cs-policy.pdf)
- FMCSA Final Rule on Cargo Securement. U.S. Department of Transportation (http://www.fmcsa.dot.gov/cargosecurement.pdf)
- CCMTA National Safety Code Standard 10 Cargo Securement
- (http://www.ccmta.ca/english/pdf/Standard%2010.pdf) Interpretation guide for CCMTA NSC 10
- (http://www.comta.ca/english/committees/cra/cargo/ pdf/interpretationguide.pdf)
- Manufacturer's catalog, manual, website, bulletins, etc. Formal training provided by manufacturers or other

# **RECOMMENDED OPERATING, AND INSPECTION GUIDELINES FOR** SYNTHETIC WEB SLINGS



Read and follow all use and safety information provided with

this sling. Failure to do so may result in severe INJURY or DEATH due to sling failure and/or loss of load.

The following six points briefly summarize some important safety issues:

All users must be trained in sling selection, use and inspection, cautions to personnel, environmental effects and rigging practices.

Inspect sling for damage regularly. A sling shall be removed from service if you see any of the conditions listed on the back of this label. If you have ANY doubts about the condition of a sling, do not use or repair it.

Protect sling from damage. ALWAYS protect slings in contact with edges, corners, protrusions or abrasive surfaces with materials of sufficient strength, thickness and construction to prevent damage.

Do not exceed a sling's rated capacity. Always consider the effect of sling angle and tension on the sling's rated capacity.

Do not stand on, under or near a load with the sling under tension. All personnel should be alert to dangers of falling or uncontrolled loads, sling tension and the potential for snagging.

Maintain and store slings o properly. Slings should be protected from mechanical, chemical and environmental damage.

#### **1. SLING USERS MUST BE TRAINED**

outside entities.

This warning label DOES NOT contain all the information you need about sling safety. All sling users must be: · Trained in sling selection and

- inspection, hazards to personnel, environmental effects and rigging practices. Knowledgeable about the safe and
- proper use and application of slings. Thoroughly familiar with the manufacturer's recommendations and
- safety materials provided with each product. Aware of their responsibilities as outlined in all applicable standards and regulations

#### **2. INSPECT SLING FOR DAMAGE**

The entire web sling must be inspected before each shift or day in Normal service and before each use in Severe service applications. It shall be removed from service if ANY of the following are detected:

- · If sling identification tag is missing or
- not readable. \* Holes, tears, cuts, snags or embedded materials.
- · Broken or worn stitches in the load bearing splices.
- Knots in any part of the sling webbing.
- Acid or alkali burns.
- · Melting, charring or weld spatters on any part of the web sling. • Excessive abrasive wear or crushed
- webbing. Signs of ultraviolet (UV) light degrada-
- tion. Distortion, excessive pitting, corrosion
- or other damage to fitting(s). If provided, exposed red core yarn.
   However if damage is present and red
- yarns are not exposed DO NOT USE the sling.
- · Any conditions which cause doubt as to the strength of the web sling.

To detect possible damage, perform a visual inspection and also feel along the entire length of the sling. Even damage that looks or feels "minor" can significantly degrade sling performance. If you have ANY doubts about the condition of a sling, DO NOT USE IT. Never attempt to repair a damaged sling (e.g., tie knots in the webbing, etc.).

#### **3. PREVENT SLING DAMAGE**

Synthetic slings can fa8 if damaged, abused, misused, overused or improperly maintained. Avoid any action that could cause the types of damage listed in the previous section and take steps to prevent sling damage, including:

- Web slings must ALWAYS be protected from being cut or damaged by corners, edges, protrusions or abrasive surfaces with protection sufficient for the intended purpose.
- Do not drop or drag slings on the ground, floor or over abrasive surfaces. Do not pull slings from under loads
- when the load is resting on the sling---place blocks under load if feasible.
- · Web slings shall not be twisted, shortened, lengthened, tied into knots or joined by knotting.
- Avoid twisting or kinking sling legs. · Avoid exposing slings to damaging acids or alkalis.
- Never use or allow exposure to temperatures above 194°F (90°C) or below -40°F (-40°C).
- Center sling in the base or "bowl" of a hook to prevent "tip loading."
- · Avoid using hooks, shackles or other hardware that have edges or surfaces that could damage sling.
- . Do not run/drive over slings with vehicies or other equipment.

#### **4. USE SLING SAFELY**

A competent and qualified sling user must consider all risk factors prior to lifting a load. User must: Determine the weight of the load and

its center-of-gravity (CG).

- Select a sling and hardware having suitable characteristics for the type. size and weight of the load, the type of
- hitch and the environment. Consult the manufacturer's rated capacity tag and/or other materials to determine the reduction in capacity due to sling configuration and angle.
- · Avoid accelerating or decelerating the load too quickly (i.e., "shock loading"). Control the lift and load to prevent
- slipping, sliding and/or loss of the load
- Use this sling for lifting loads only. NEVER use a sling for towing purposes.
- NEVER use a sling to pull on stuck objects.

#### **5. BE ALERT WHEN LIFTING LOADS**

When using slings, all personnel must be alert to potential risks:

- · Always stand clear of a lifted load and never be under, on or near a suspended load.
- No part of the body should be placed between the sling and load or
- between the sling and lifting book. · Personnel must be alert to the potential for the sling to become snagged during lifting-never use
- a web sling to pull on objects in a snagged or constrained condition.

#### 6. SLING CARE AND STORAGE

When slings are not in use, they should be stored in a cool, dry and dark location. Sliegs should also be stored in an area free from environmental or mechanical sources of damage, such as: weld spatter, splinters from grinding/machining, heat sources, UV or chemical exposure, etc. Slings should be kept clean and free of dirt, grime and foreign materials. Mild soap and water can be used to clean. slings, but be sure to let the sling dry completely before placing back in storage or use. Do not machine wash slings. Machine washing results in significant loss of sling strength.

If you want more information about Web Sling safety, contact WSTDA to obtain ruples of the Synthetic Web Sting Safety Billetin - a companion document to this labeling. (Roundsling & file Down Salety Bulletlin are also available) eWeb Sing & Tie Down Association, Inc. www.=5/78.000

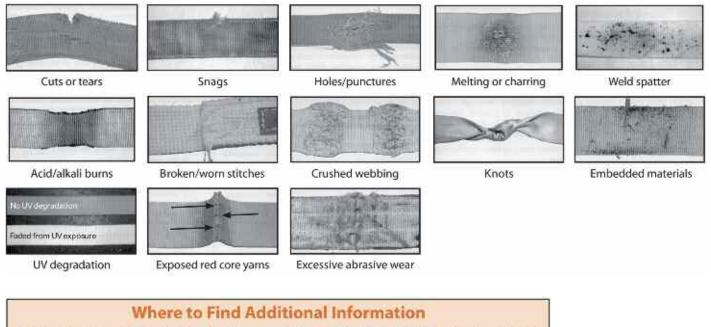
W5W1-1 2010





# Guidelines

#### Types of damage you should look and feel for in web slings:



This bulletin does not provide you with all the information you need to know in order to be considered trained and knowledgeable about rigging and lifting loads, but it does provide important information about the use of web slings within a rigging system. If you need more information about web slings and rigging practices or your responsibilities according to regulations and standards, talk to your employer. You and your employer can consult a number of sources of information to help ensure that you are properly trained and knowledgeable when using web slings, including (but not limited to):

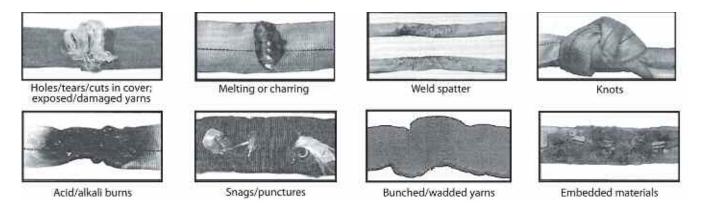
- WSTDA-WS-1—Recommended Standard Specification for Synthetic Web Slings.
- ASME B30.9—Synthetic Webbing Slings: Selection, Use and Maintenance.
- + OSHA 29 CFR 1910.184-Slings.
- Rigging handbooks.

- OSHA Guidance on Safe Sling Use.
- (http://www.osha.gov/dsg/guidance/slings/synth-web.html)
- Manufacturer's catalog, manual, website, bulletins, etc.
- Formal training provided by manufacturers or other outside entities.

WSTDA-WSSB-1 2010

# RECOMMENDED OPERATING, AND INSPECTION GUIDELINES FOR SYNTHETIC ROUND SLINGS

Types of damage you should look and feel for in round slings:





# Guidelines



Read and follow all use and safety information provided with

this sling. Failure to do so may result in severe INJURY or DEATH due to sling failure and/or loss of load.

The following six points briefly summarize some important safety issues:

All users must be trained in sling selection, use and inspection, cautions to personnel, environmental effects and rigging practices.

#### Inspect sling for damage

regularly. A sling shall be removed from service if you see any of the conditions listed on the back of this label. If you have ANY doubts about the condition of a sling, do not use or repair it.

Protect sling from damage. ALWAYS protect slings in contact. with edges, comers, protrusions or abrasive surfaces with materials of sufficient strength, thickness and

construction to prevent damage. Do not exceed a sling's rated 4 capacity. Always consider the effect of sling angle and tension on the sling's capacity.

Do not stand on, under or near a load with the sling under tension. All personnel should be alert to dangers of falling or uncontrolled loads, sling tension and the potential for snagging.

#### Maintain and store slings properly. Slings should be

protected from mechanical, chemical and environmental damage.

#### **1. SLING USERS MUST BE TRAINED**

This warning label DOES NOT contain all the information you need about sling safety. All sling users must be:

- · Trained in sling selection and Inspection, hazards to personnel, environmental effects and rigging practices.
- · Knowledgeable about the sale and proper use and application of slings. · Thoroughly familiar with the manu-
- facturer's recommendations and safety materials provided with each product. · Aware of their responsibilities as
- outlined in all applicable standards and regulations

#### **2. INSPECT SLING FOR DAMAGE**

The entire roundsling must be inspected before each shift or day in Normal service and before each use in Severe service applications. It shall be removed from service if ANY of the following are detected:

- If roundsling identification tag is missing or not readable.
- Holes, tears, cuts, embedded materials, excessive abrasive wear or snags that expose the core yam
- of the roundsling. Broken or damaged core yam.
- If roundsling has been tied into one or
- more knots. Acid or caustic burns of the roundsling.
- · Melting, charring or weld spatter of
- any part of the roundsling. Distortion, excessive pitting, corrosion
- or other damage to fitting(s) Broken or worn stitching in the cover
- which exposes the core yarn. Any conditions which cause doubt as
- to the strength of the roundsling. To detect possible damage, perform
- a visual inspection and also feel along the entire length of the sling.

Even damage that looks or feels "minor" can significantly degrade sling performance. If you have ANY doubts about the condition of a sling, DO NOT USE IT. Never attempt to repair a damaged sling (e.g., tie knots in the sling, etc.).

#### **3- PREVENT SLING DAMAGE**

Synthetic slings can fail if damaged, abused, misused, overused or improperly maintained. Avoid any action that could cause the types of damage listed in the previous section and take steps

to prevent sling damage, including: prevent sling damage, including: Roundslings must ALWAYS be protected from being cut or damaged by corners, protruions or from contact with edges that are not smooth or well rounded with materials sufficient for the intended purpose. See Synthetic Roundsling Safety Bullatin (WSTDA-RSSB-1).

Roundslings should be protected from abrasive surfaces.

- · Do not drop or drag slings on the ground, floor or over abrasive surfaces
- Do not pull slings from under loads when the load is resting on the sling—place blocks under load if feasible,
- Roundsings shall not be twisted; shortened, lengthened, tied into knots or joined by knotting.
- · Avoid twisting or kinking sling legs. Avoid exposing slings to damaging acids or alkalis.
- · Never use or allow exposure to
- temperatures above 194°F (90°C) or below -40°F (-40°C). Center sling in the base or "bowl" of a hook to prevent "tip loading."
- · Avoid using hooks, shackles or other hardware that have edges or surfaces
- that could damage sling Do not run/drive over slings with vehicles or other equipment.

#### 4-USE SLING SAFELY

A competent and qualified sling user must consider all risk factors prior to lifting a load. Users must:

- . Determine the weight of the load and its center-of-gravity (CG).
- Select a sling and hardware having suitable characteristics for the type, size and weight of the load, the type of hitch and the environment.

- · Consult the manufacturer's rated capacity tag and/or other materials to datermine the reduction in capacity
- due to sling configuration and angle. Avoid accelerating or decelerating the load too quickly (i.e., "shock loading").
- · Control the lift and load to prevent slipping, sliding and/or loss of the load.
- Use this sling for lifting loads only. NEVER use a sling for towing
- purposes. NEVER use a sling to pull on stuck. objects

### 5- BE ALERT WHEN LIFTING LOADS

When using slings, all personnel must be alert to potential risks:

- · Always stand clear of a lifted load and never be under, on or near a suspended load.
- · No part of the body should be placed between the sling and load or between the sling and lifting hook.
- · Personnel must be alert to the potential for the sling to become snagged during lifting-never use a roundsling to pull on objects in a snagged or constrained condition.

#### 6. SLING CARE AND STORAGE

When slings are not in use, they should be stored in a cool, dry and dark location. Slings should also be stored in an area free from environmental or mechanical sources of damage, such as: weld spatter. splinters from grinding/machining, beat sources, UV or chemical exposure, etc. Slings should be kept clean and free of dirt, grime and foreign materials. Mild soap and water can be used to clean

slings, but be sure to let the sling dry completely before placing back in storage or use. Do not machine wash slings. Machine washing results in significant loss of sling strength.

Pyou want more information about Routhaling safety, context Wallow to detain copies of the Synchrist Reambing Sofety Rulation — comparison documents on the backing, Web Sing & Tie Down Schery Bultation are abo available. EWeb Sing & Tir Down Association, Inc.

www.wstda.com

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#### Where to Find Additional Information

This bulletin does not provide you with all the information you need to know in order to be considered trained and knowledgeable about rigging and lifting loads, but it does provide important information about the use of roundslings within a rigging system. If you need more information about roundslings and rigging practices or your responsibilities according to regulations and standards, talk to your employer. You and your employer can consult a number of sources of information to help ensure that you are properly trained and knowledgeable when using roundslings, including (but not limited to):

WSTDA-RS-1—Recommended Standard Specification for	<ul> <li>ASME 830.9—Synthetic Roundslings: Selection, Use, and</li> </ul>	<ul> <li>OSHA 29 CFR 1910.184-Slings</li> </ul>
Synthetic Polyester Roundslings	Maintenance	<ul> <li>Rigging handbooks</li> </ul>
WSTDA-RS-2—Recommended Operating and Inspection	OSHA Guidance on Safe Sling Use	<ul> <li>Manufacturer's catalog, manual, website, bulletins, etc.</li> </ul>
Manual for Synthetic Roundslings	[http://www.osha.gov/dsg/guidance/s8ngs/synth-round.html]	<ul> <li>Formal training provided by manufacturers or other entities</li> </ul>





# Industry Contact Information

#### ADDITIONAL RESOURCES

#### **U.S. Department of Transportation**

Federal Highway Administration (FHWA) Federal Motor Carrier Safety Regulations (FMCSR's, Title 49 of the Code of Federal Regulations (CFR): Sections 392.9, Safe Loading; Part 393, Subpart 1 Protection Against Shifting or Falling Cargo). Copies of 49 CFR Parts 200-399 may be purchased from the U.S. Government Printing Office, (202) 512-1800. For questions concerning specific requirements, you can contact the Federal Highway Administration, Office of Motor Carrier Research and Standards (HCS-10), 400 Seventh Street, SW Washington, D.C., 20590 Telephone (202) 366-4009 Fax (202) 366-8842.

#### **Commercial Vehicle Safety Alliance**

(CVSA) Cargo SecurementTie Down Guidelines. Commercial Vehicle Safety Alliance, 6303 Ivy Lane, Suite 310 Greenbelt, MD 20770 Phone (202) 775-1623 Fax (202) 775-1624 Website: www.cvsa.org

#### **Specialized Carriers & Rigging Association**

Cargo Securement on Motor Vehicles; Specialized Carriers & Rigging Assoc., 2750 Prosperity Avenue, Suite 620, Fairfax, VA 22031-4312. Phone (703) 698-0291 Fax (703) 698-0297 Website: www.scranet.org

### In Canada Contact:

The Ministry of Transportation in each Province. www.mto.gov.on.ca

#### In Mexico Contact:

Director General de Transporte Terreste Sub-Director de Inspection del Transporte (Rep. En el C.V.S.A.) Calzada de las Bombas Number 411-11-Piso Col. San Bartolo Coapa Mexico, D.F.C.P. 04500

#### WEB SLING & TIE DOWN ASSOCIATION, INC.

2105 Laurel Bush Road, Suite 200 Bel Air, Maryland 21015 Phone (443) 640-1070 Fax (443) 640-1031 Email: wstda@stringfellowgroup.net Website: www.wstda.com

# NATIONAL ASSOCIATION OF CHAIN MANUFACTURERS

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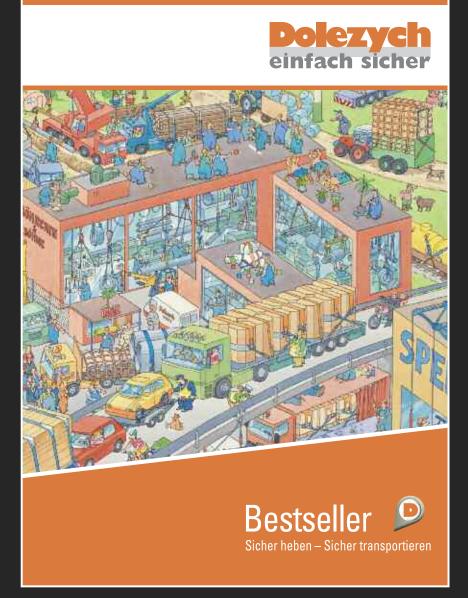
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