Dolezych
EINFACH SICHER

Operating instructions

DoUniFlex Load-securing-system

Load-securety for instable loads, boxes, Big Bags, bagged cargo

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Part 1

Common securety-tips

Load securety is an act of preventing persons, animals and trings from dangers in ordinary traffic conditions.
Ordinary traffic conditions also include emergency breaking, evading manovers (e.g.: forced Lane changing) and unevenness oft he road.
Load securety also is a part of qualitymanagement (accord. To VDI 2007 – sheet 5)

The DoUniFlex-securingsystem is very flexible and suitable for various Kinds of loads.
This allows you to scure the load very fast.

Besides the suitable solutions for load-securety please also respect the following securety-tips.

Principally consider:

- Stow without free spaces, form lock before traction
- heavy loads are to be stored at the lowest possible position
- provide an even distribution
- always drive at a adepted speed
- never overcharge the LC of any lashing
- DoUniFlex-securingsystems are only alowed for securing loads, never use for lifting

Part 2

Common notes

This is a professional product intended for commercial use.

Before using the Dolezych-products fort he first time, please read this manual carefully.

Further the manual „load security“ has to be considered.

The DoUniFlex-securingsystem is a lashing from Dolezych. It was developed in cooperation with the Loading industrie ann the GWS hazardous materials transportation consulting, additional it was approved by Fraunhofer Institute.
Ist excelent attributes for securing Loads are proved by advisory opinions and practical tests.
The DoUniFlex-securingsystem secures the Load according tot he direct-pull-method (is like the diagonal-pulling method part oft he form-lock Load securing methid). Please consider our training DVD „Dolezych DoUniFlex-securingsystem“ and the usage-report No.: 0.30.0906/MV02.

For other Dolezych-lashings, manuals please visit www.dolezych.de

These are the advantages oft he DoUniFlex-securingsystem:

It can be used for alle soft-packings with barrage-movement, for example:

• octatainer

• bagged goods on pallets

• crates of drinks

• BigBags

• other goods which cannot be lashed down

Part 3

Equipment scope

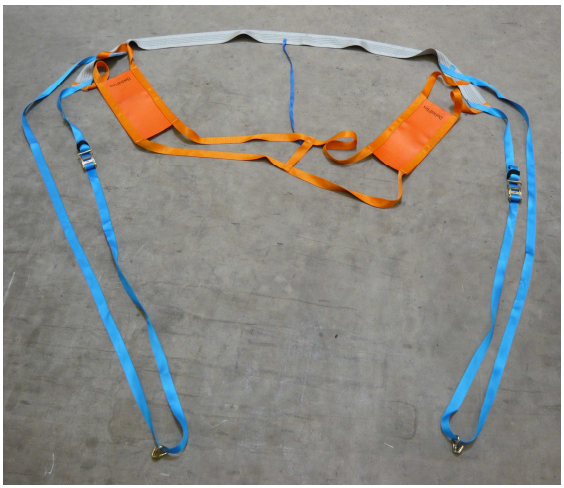
Article number: 05000040

pic. 1: DoUniFlex-securingsystem (standard)

Description:

The patented securingsystem consists of one wide webbing which runs horizontal. Attached to this ist he vertically running, centered over the cover guided webbing.
On both sides at the point of connecting a lashing strap is attached in y-form, which is shaped as a loop and leads tot he loose end oft he system.
The extended version offers a ratchet and a loosely attached profile-hook on the y-formed lashing strap

Article number: 05000042



pic. 2: DoUniFlex-securingsystem (extended)

Part 4

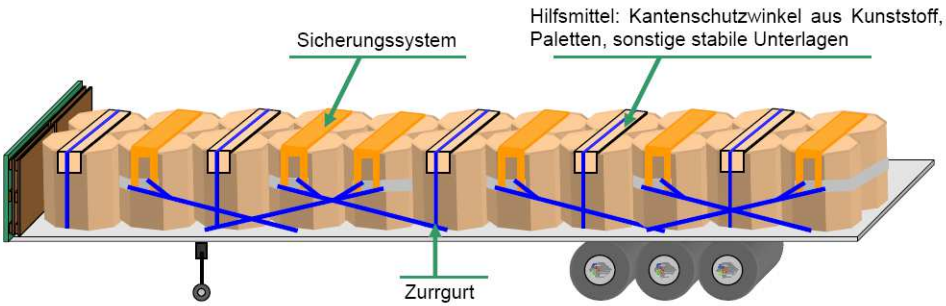
Using the DoUniFlex-securingsystem

pic. 3: DoUniFlex-securingsystem used on the truck

Important:

Provide an even distribution oft he Load.
On some vehicles the vertical Load ist o low so the load hast o be placed more backwards on the vehicle.
In order to provide form-lock, palettes or similar stable damming materials can be used to fill up the empty space.

Form-lock Loading

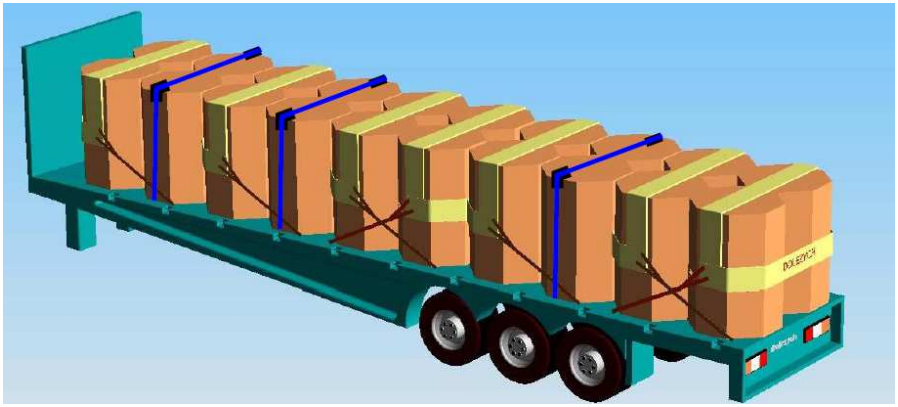


Securing starts with one down-lashing (form-lock on the front wall). The end of each load hast o be secured countersides facing the engine. Each row hast o be secured alternating.

In order to provide enough stability for the Oktatainer/Octabin it is necessary to use 6 securingsystems.

For 10 to 12 rows, there are min 4 systems facing the engine and 2 systems countersides facing the engine necessary. Loads under 10 rows have to be secured with minimum 3 systems.
The Octatainer/Octabins which are not secured with the system have tob o lashed down in order to increase the stability. The chosen standard tension force must not be chosen too high, so the Octatainer/Octabin cannot be damaged.

Non form-lock loading



pic. 4: Securing starting with a DoUniFlex securing system. At the end of each load must be secured against the direction of travel. Each row must be secured alternately.

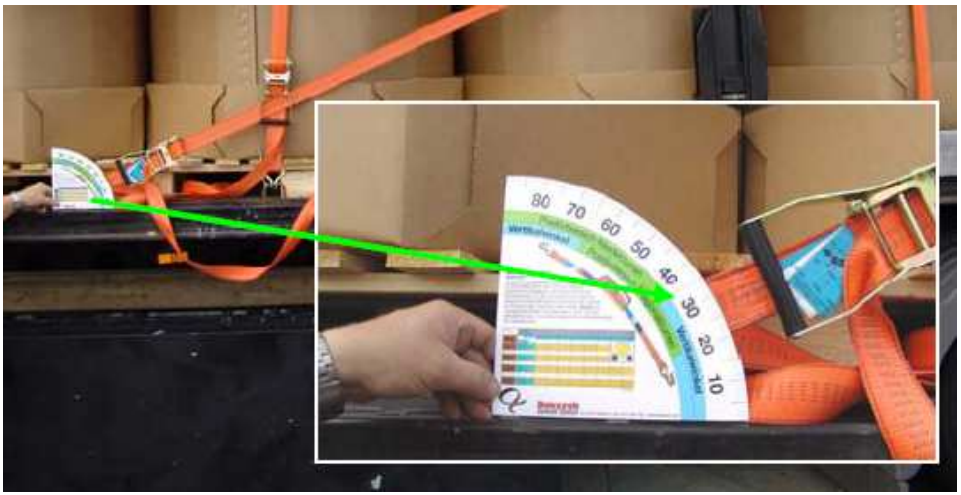
In order to provide enough stability for the Oktatainer/Octabin it is necessary to use 7 securingsystems.

For 10 to 12 rows, there are min 5 systems facing the engine and 2 systems countersides facing the engine necessary. Loads under 10 rows have to be secured with minimum 3 systems.
The Octatainer/Octabins which are not secured with the system have to be lashed down in order to increase the stability. The chosen standard tension force must not be chosen too high, so the Octatainer/Octabin cannot be damaged.

Pic. 6: position the DoUniFlex-securingsystem on the load (shown: Oktatainer®)

pic. 7: connect the loose-end oft he DoUniFlex-securingsystem with a short part of a standard lashing strap. Make sure that the Lashing-angle is approxe 30°

Notice:
The DoUniflex-securingsystem (extended) hast o be used in the same way, except fort he additional short part, which is not necessary



Pic. 8: Consideration of lashing angle α of approx. 30°

pic. 9: example for securing Oktatainer

pic. 10: example for securing Oktatainer with the DoUniFlex-securingsystem (extended)

pic. 11: example for securing BagBags and bagged goods with the DoUniFlex-securingsystem (standard)

pic. 12: example for securing straw bales with the DoUniFlex-securingsystem standard.

Part 5

Using Dolezych-Lashings in combination with chemicals:

The materials, Dolezych lashings are made of (PES,PA,PP) differ physically (grip/touch, stability, abrasion characteristics) and in their resistance to chemical influences.

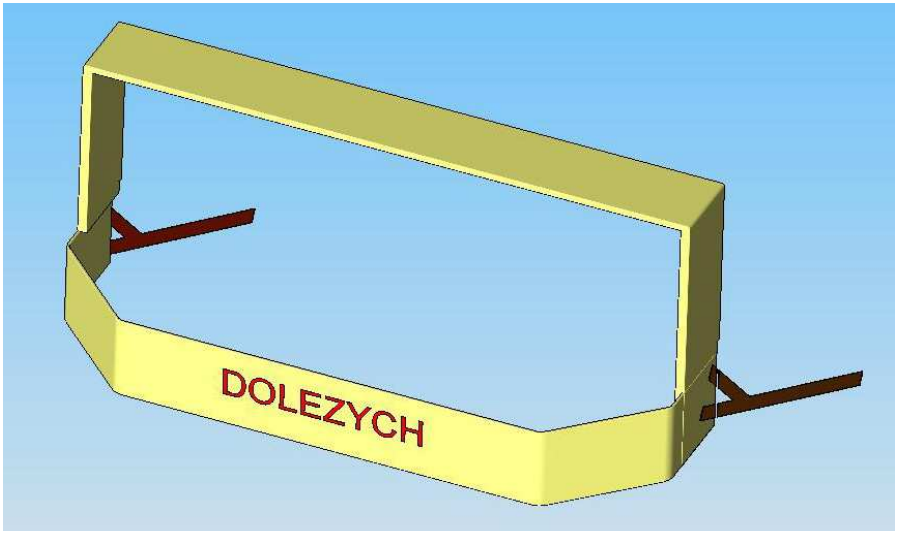
Warning: All lashing-strap-materials can be destroyed trough the exposure to chemicals depending on the concentration, temperature and releation time.

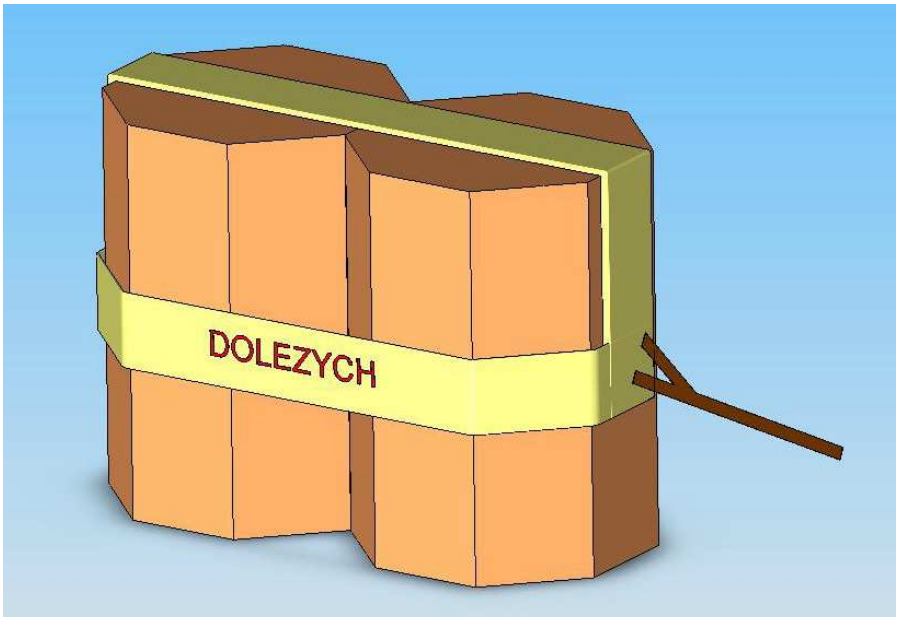
Please contact us as the manufacturer when lashings are exposed to chemicals.
If lashings had contact with the chemicals, immediatly clean it with clear water or a suitable detergents.
Guidelines for safe working must be followed.

Even harmless acid- or leach- solutions acan become concentrate enough to damage the webbing trough evaporation.

Part 6

3-D models





Part 7

Component list

DoUniFlex-securingsystem for instable goods (standard)	0500 0040
DoUniFlex-securingsystem for instable goods (extended)	0500 0042
Not included	
DoZurr 5000, short part (0,5m)	2650 5003
DoZurr 5000, 2-parted with profile hooks	2650 5034
Edge protection	0600 0092

Part 8

Contact

The Dolezych-Team is always to your service

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