

Lifting Belt Slings DUPLIX



Swiss Quality

Quality and innovation have a long-standing tradition in Switzerland - the same is true of VTT. An innovative Swiss enterprise, VTT stands for reliability and safety. The company concentrates on the development and manufacture of technical textiles for lifting and lashing. Clear targets and optimal working processes guarantee efficiency and comprehensive quality control. The patented „Swiss Quality“ products are developed, manufactured and marketed entirely by VTT itself.

VTT is proud for its unique product line. Many of the lifting items are patented and specially aligned to customer's requirements.

Lifting Belt Sling DUPLIX: Innovation for progressive lifting

Extremely tough for progressive lifting!

With the new generation of the lifting belt slings from VTT you can lift loads of up to 100 tons and more absolutely safe - according to EN norms EN1492-1/2.

This truly outstanding development is based on a new manufacturing technology with a totally new construction allowing a larger lifting area of the belt with shortened soft eyes.

VTT's new polyester slings are woven as multi-channel tubes through which longitudinal high tenacity polyester fibres are drawn to accomplish a range of load capacities. The patented new design allows for maximizing abrasion resistance in the cover tubes while achieving greater overall tensile strength by means of flexible bundles of woven inner core fibres. This slings accomplish all heavy handling requirements!

facts and figures

product name	Lifting Belt Sling
EN Norms	1492-1 / 1492-2
Safety Factor	regarding EN 1492
lifting cap. WLL	up to 100 tons
width	110 - 700 mm
Max. length	up to 20 meters

Lifting capacity up to 100 tons!

The strength core is protected by a highly abrasion resistant protection sleeve. This assures - in combination with a construction of the carrying surface without hard edges - double the service life of normal lifting slings: especially for the lifting of materials such as steel- and aluminium coils, steel pipes, steel bars, plates, prefabricated walls and concrete based building elements.

Customers, once used VTT's Lifting Belt Slings, swear, never to change to „antiquated“ round slings again!



4-channel-technology

Multi-Channel-Technology

Patented MultiChannel cover construction provides superior abrasion resistance. Load-bearing fibers are completely encased. Innovative industrial weaving builds tubes as fabric is woven, completely eliminating critical stitching.

Due to their soft construction (up to a width of 655mm!), MultiChannel - slings will not point load! This technology was especially developed for lifting exclusive goods like boats, pipelines, turbines.

The high resistable protection cover is one of the most important elements that enables long term use of these slings. The cover cloth is double-woven with inner black layer to reveal excess wear and as an additional UV barrier. Long term wear is revealed when the black layer shows through, but even then, load bearing fibers have not yet been exposed. When lifting goods with sharp edges, we recommend the use of tubular wear pads from VTT!



wide surface -
Multi-Channel-Technology



product range

Lifting Belt Sling EN 1492-1, Safety Factor regarding EN 1492

item N°	total length (sling and eye) m (3-digit nr. to be indicated with belt sling item-N°)																color	capa- city (WLL)	width	weight per m
	length in m	1	2	3	4	5	6	7	8	10	12	14	15	16	18	20				
7009113-...	010	020	030	040	050	060	070	080	100	120	140	150	160	180	200	violet	1	110	0.50	
7009114-...	010	020	030	040	050	060	070	080	100	120	140	150	160	180	200	green	2	110	0.65	
7009115-...	010	020	030	040	050	060	070	080	100	120	140	150	160	180	200	yellow	3	140	0.85	
7009116-...	010	020	030	040	050	060	070	080	100	120	140	150	160	180	200	grey	4	150	1.20	
7009117-...	010	020	030	040	050	060	070	080	100	120	140	150	160	180	200	red	5	150	1.30	
7009118-...	010	020	030	040	050	060	070	080	100	120	140	150	160	180	200	brown	6	170	1.40	
7009119-...	010	020	030	040	050	060	070	080	100	120	140	150	160	180	200	blue	8	170	1.80	
7009120-...			030	040	050	060	070	080	100	120	140	150	160	180	200	orange	10	210	2.10	
7009121-...			030	040	050	060	070	080	100	120	140	150	160	180	200	orange	15	220	2.40	
7009122-...				040	050	060	070	080	100	120	140	150	160	180	200	orange	20	260	3.40	
7009123-...				040	050	060	070	080	100	120	140	150	160	180	200	orange	25	340	4.00	
7009124-...				040	050	060	070	080	100	120	140	150	160	180	200	orange	30	340	4.60	
7009125-...				040	050	060	070	080	100	120	140	150	160	180	200	orange	40	340	5.80	
7009126-...				040	050	060	070	080	100	120	140	150	160	180	200	orange	50	505	6.90	
7009127-...				040	050	060	070	080	100	120	140	150	160	180		orange	60	505	8.20	
7009128-...				040	050	060	070	080	100	120	140	150	160	180		orange	70	655	9.10	
7009129-...				040	050	060	070	080	100	120	140	150	160			orange	80	655	10.30	
7009130-...				040	050	060	070	080	100	120	140	150	160			orange	100	655	13.00	

Pipeline-Lifting Mat Slings

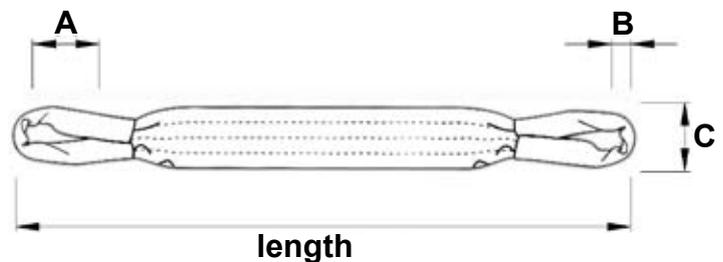
7009160-...				040	050	060	070	080	100	120	140	150	160	180	200	orange	20	500	3.60
7009161-...				040	050	060	070	080	100	120	140	150	160	180	200	orange	40	700	6.50
7009162-...				040	050	060	070	080	100	120	140	150	160	180		orange	60	700	9.00

custom product possible on request!

measures and dimensions:

Please note:

This are approximate values, minor changes are possible.
Other constructions available on request!



capacity WLL	L1	A			B	C
	length L1	Inner length of the eye			diameter of eye sling	wide of seating surface
		length -3m	length 3.5 - 6m	length 6.5 -20m		
1 to	1-20m	200mm	300mm	500mm	25mm	110mm
2 to	1-20m	200mm	300mm	500mm	30mm	110mm
3 to	1-20m	200mm	300mm	500mm	35mm	140mm
4 to	1-20m	200mm	300mm	500mm	40mm	150mm
5 to	1-20m	200mm	300mm	500mm	45mm	150mm
6 to	2-20m	200mm	300mm	700mm	50mm	170mm
8 to	2-20m	200mm	300mm	700mm	60mm	170mm
10 to	2-20m		700mm		65mm	210mm
15 to	2-20m		700mm		80mm	210mm
20 to	2-20m		700mm		90mm	260mm
25 to	2-20m		700mm		100mm	340mm
30 to	2-20m		700mm		110mm	340mm
40 to	2-20m		700mm		130mm	340mm
50 to	2-20m		700mm		150mm	505mm
60 to	3-18m		700mm		170mm	505mm
70 to	3-18m		700mm		200mm	655mm
80 to	3-16m		700mm		220mm	655mm
100 to	3-16m		700mm		260mm	655mm

instructions for use:

Lifting items must be conected with a blue, normed label that shows the allowed lifting capacity, length of the sling, date of production, item number, serial number and manufacturer. This is necessary to ensure save lifting and helps to improve quality control.

In addition there are important instructions in the product manual:

- always examine slings for damage before each use
- never use a sling that is defective
- only use slings whose lifting capacity is clearly labeled
- lifting capacity varies according to method of lifting used
- edge protection must be used for loads with sharp edges
- slings must never be knotted
- slings should be used only at temperatures from -40°C to + 100°C



Lifting Belt Slings in progress



Production side

Lifting Belt Slings in progress



Products designed in Switzerland

VTT is the leading Swiss company for textile lifting and lashing equipment. Its growth and market success were linked by a constant that is also typical for today's VTT: On the base of its own strengths, more and more technologies are being applied, innovative products developed and patented, as well as new areas of usage are being opened up. This enables us to offer a wide range of leading and top-quality products for the most varied range of applications. VTT has its own ultramodern production sites: There we manufacture narrow technical textile products with a high degree of innovation for many demanding applications. That is your guarantee that you will find we have the solution to suit your case, and this still at an excellent cost-benefit ratio.

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