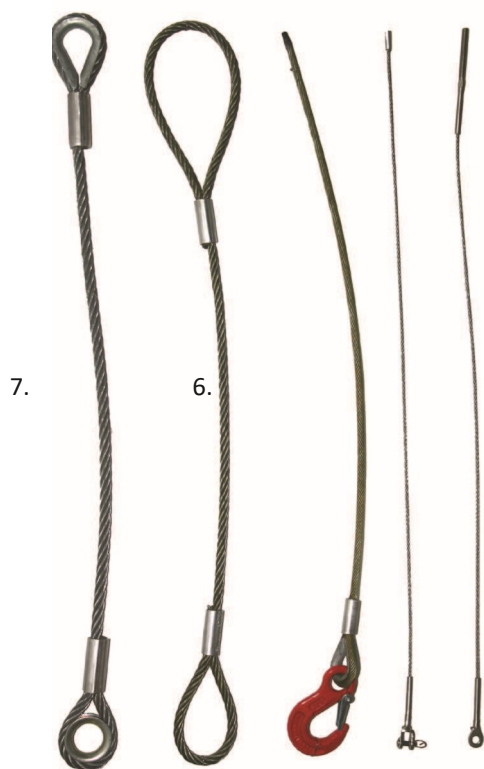
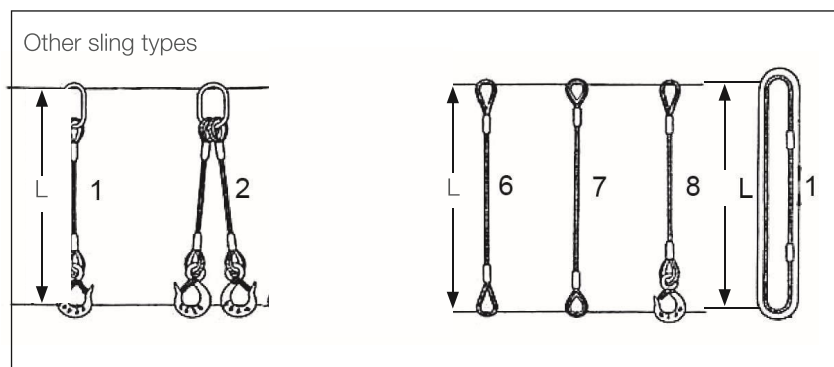


STEEL WIRE ROPE SLINGS



- slings with eyes (type no. 6) and slings with eyes and thimbles (type no. 7) as standard types
- made from galvanized 216-wire rope with pressing buckles
- also available with spliced connections
- also higher working load limits and special types with thread ends, turnbuckle ends etc.
- safety factor 5 : 1

When ordering, for example, a 16 mm steel wire rope sling type no. 8, length 9 m, the product code is TER81609.



WLL t	Wire rope diameter mm	Standard eye length mm	Product code type no. 6	Product code type no. 7
0,35	6	100	TER60601	TER70601
0,70	8	150	TER60801	TER70801
1,05	10	150	TER61001	TER71001
1,55	12	200	TER61201	TER71201
2,12	14	200	TER61401	TER71401
2,70	16	250	TER61601	TER71601
3,40	18	250	TER61801	TER71801
4,35	20	300	TER62002	TER72002
5,20	22	300	TER62202	TER72202
6,30	24	350	TER62402	TER72402
7,20	26	350	TER62602	TER72602
8,40	28	400	TER62802	TER72802
9,70	30	400	TER63002	TER73002
11,00	32	400	TER63202	TER73202
14,00	36	-	TER63603	TER73603
17,00	40	-	TER64003	TER74003
21,00	44	-	TER64403	TER74403
25,00	48	-	TER64803	TER74803
29,00	52	-	TER65203	TER75203
33,50	56	-	TER65603	TER75603
39,00	60	-	TER66003	TER76003

Delivery time 5-7 days.



Ammattilaisen nosto-, siirto- ja kuormansidontavälineet
Lifting, lashing and material handling products for professionals

TERÄSKÖYSIRAKSIEN SALLITUT TYÖKUORMAT WORKING LOAD LIMITS FOR STEEL WIRE ROPE SLINGS

Varmuuskerroin 5:1 EN-13414-1

Köyden halkaisija / Rope diameter	1-haaraiset 1-legs			2-haaraiset 2-legs				3-4-haaraiset 3-4-legs		Päätön / Endless		
	Suora Straight	Kiristävä Choke	U-muoto U-shape	Suora Straight	Kiristävä Choke	Suora Straight	Kiristävä Choke	Suora Straight		Suora Straight	Kiristävä Choke	U-muoto U-shape
				0° < β < 45°		45° < β < 60°		0° < β < 45°	45° < β < 60°			
6x36-IWRC 1960 N/mm ² Terässydän / Steel core												
Ø mm	Työkuorma / WLL kg											
6	400	320	800	560	448	400	320	840	600	800	640	1600
8	800	640	1600	1120	896	800	640	1680	1200	1600	1280	3200
10	1300	1040	2600	1820	1456	1300	1040	2730	1950	2600	2080	5200
12	1800	1440	3600	2520	2016	1800	1440	3780	2700	3600	2880	7200
14	2500	2000	5000	3500	2800	2500	2000	5250	3750	5000	4000	10000
16	3300	2640	6600	4620	3696	3300	2640	6930	4950	6600	5280	13200
18	4100	3280	8200	5740	4592	4100	3280	8610	6150	8200	6560	16400
20	5100	4080	10200	7140	5712	5100	4080	10710	7650	10200	8160	20400
22	6200	4960	12400	8680	6944	6200	4960	13020	9300	12400	9920	24800
24	7400	5920	14800	10360	8288	7400	5920	15540	11100	14800	11840	29600
26	8700	6960	17400	12180	9744	8700	6960	18270	13050	17400	13920	34800
28	10000	8000	20000	14000	11200	10000	8000	21000	15000	20000	16000	40000
32	13000	10400	26000	18200	14560	13000	10400	27300	19500	26000	20800	52000
36	16600	13280	33200	23240	18592	16600	13280	34860	24900	33200	26560	66400
40	20500	16400	41000	28700	22960	20500	16400	43050	30750	41000	32800	82000
44	25000	20000	50000	35000	28000	25000	20000	52500	37500	50000	40000	100000
48	29500	23600	59000	41300	33040	29500	23600	61950	44250	59000	47200	118000
52	35000	28000	70000	49000	39200	35000	28000	73500	52500	70000	56000	140000
56	40000	32000	80000	56000	44800	40000	32000	84000	60000	80000	64000	160000
60	46000	36800	92000	64400	51520	46000	36800	96600	69000	92000	73600	184000
Sallittuja kuormia laskettaessa käytetyt kertoimet / Coefficients used in calculated WLL												
	1	0,80	2	1,4	1,12	1	0,8	2,1	1,5	2	1,6	4

KÄYTTÖLÄMPÖTILAT / OPERATING TEMPERATURES

Työkuorma ilmoitettuna prosentteina työkuormasta The working load limits presented as a percentage of the WLL						
Pääte / end type	Holkki / ferrule	Lämpötila / temperature				
		-40 - (+)100°C	101 - 150°C	151 - 200°C	201 - 300°C	301 - 400°C
Puristusholkki / the clamping bush	Alumiini / aluminium	100%	100%	ei sallittu / not allowed	ei sallittu / not allowed	ei sallittu / not allowed
Puristusholkki / the clamping bush	Teräs / steel	100%	100%	90%	75%	65%
Pielesi / splice	-	100%	100%	90%	75%	65%

Taulukossa annettujen sallittujen kuormien arvot pätevät vain kun kuorma jakautuu tasaisesti eri haarojen kesken.
Working load limits given in table values apply only when the load is evenly distributed among the legs.

Tarkasta teräsköysiraksit silmämääräisesti aina ennen käyttöä ja täydellisesti vähintään kerran vuodessa.
Always check steel wire rope slings visually before use and thoroughly at least once a year.

KALTEVUUSKULMAT / INCLINATION ANGLES



KUORMAKILPI / WLL PLATE



Factors affecting to the loading of the slings

Factors that affect to the loading of the slings during lifting include, in addition to the weight of the load, the angle between the sling legs and the sizes of possible bending radiuses. It is strictly forbidden to use angles of over 120° . The effect of the lifting angle on the carrying capacity of the sling is presented in image 1. Small bending radiuses cause local load increase in the rope. If e.g. a rope is wrapped around an axel that is equal to the rope's diameter, the carrying capacity will decrease to approx. 50 % of the original (see image 2). In addition the rope will have a permanent distortion. For these reasons the eyes should always be equipped with thimbles and corner protectors should be used on the contact points of sharp corners of the load and the rope.

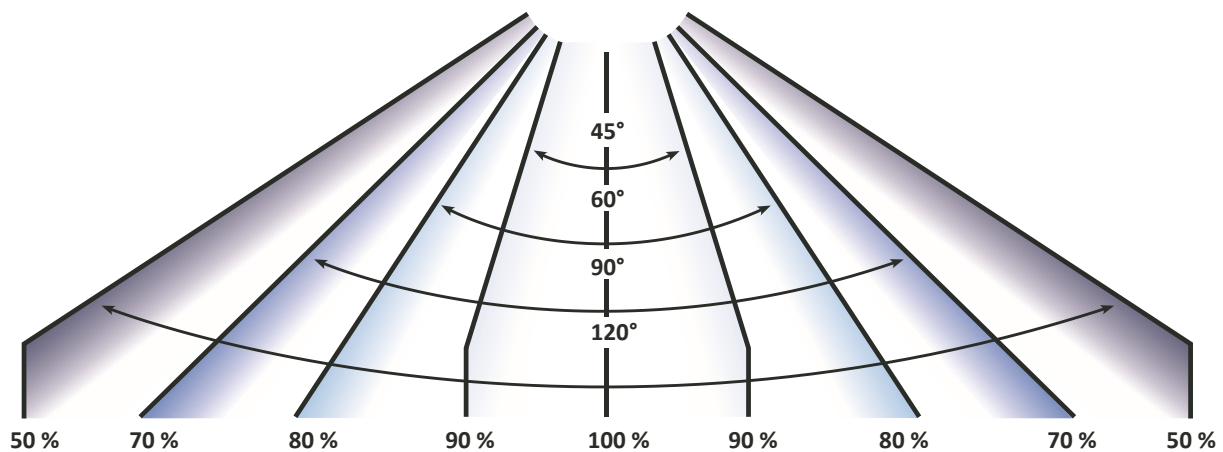


Image 1. The carrying capacity of the sling decreases as the lifting angle increases so that it will be only 50 % of the original with a 120° mounting angle.

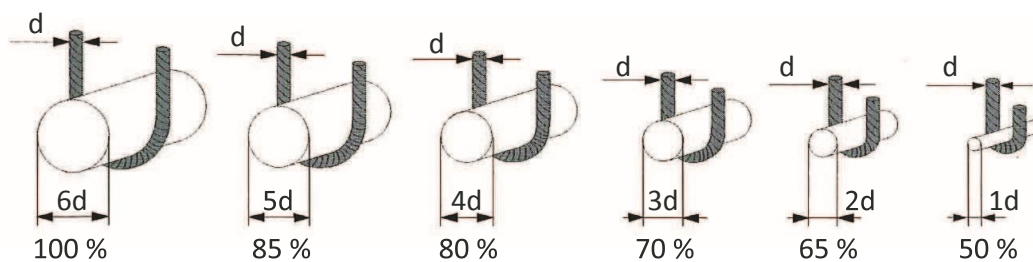


Image 2. The carrying capacity of the sling decreases as the bending radius decreases. The carrying capacity of a sling that is wrapped around a rod equal to the diameter of the rope is only 50 % of the original.