

Verotop

Wire rope construction: Rotation resistant rope with compacted outer and inner strands.

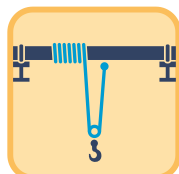
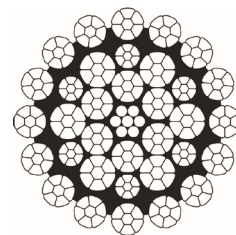
Properties:

- Rotations resistant wire rope with extremely high breaking force.
- Very good fatigue properties.
- Very high resistance against flattening and wear.
- Especially suitable for multiple layer spooling.

ISO 4309 Rope Category No: All Diameters **RCN.23-2.**

Standard: EN 12385-4.

verope 



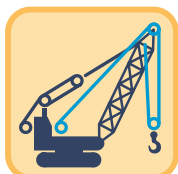
Main hoist rope ⁽⁴⁾



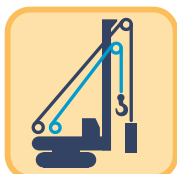
Main hoist rope



Main hoist rope



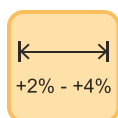
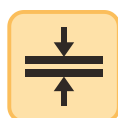
Main hoist rope



Pipe handling rope/
Pile hoist rope



Main hoist rope



Art No	Wire rope	Steel	Min breaking strenght				Weight
			1960 N/mm ²	2160 N/mm ²	1960 N/mm ²	2160 N/mm ²	
Galvanized, right hand lang's lay	Ø	area					kg/
1960 N/mm ²	mm	mm ²	kN	tons	kN	tons	100m
01.G37VTP080G	8	37	61,1	6,2	62,7	6,4	31
01.G37VTP090G	9	47	77,3	7,9	79,4	8,1	40
01.G37VTP100G	10	58	95,4	9,7	98,0	10,0	49
01.G37VTP110G	11	70	115,5	11,8	118,6	12,1	59
01.G37VTP120G	12	83	137,4	14,0	141,2	14,4	71
01.G37VTP127G	12,7	93	153,9	15,7	158,1	16,1	79
01.G37VTP130G	13	98	161,3	16,4	165,7	16,9	83
01.G37VTP140G	14	114	187,0	19,1	192,2	19,6	96
01.G37VTP150G	15	130	214,7	21,9	220,6	22,5	110
01.G37VTP160G	16	148	244,3	24,9	251,0	25,6	125
01.G37VTP170G	17	168	275,8	28,1	283,3	28,9	142
01.G37VTP180G	18	188	309,2	31,5	317,7	32,4	159
01.G37VTP190G	19	209	344,5	35,1	353,9	36,1	177
01.G37VTP200G	20	232	381,7	38,9	392,2	40,0	196
01.G37VTP210G	21	256	420,8	42,9	432,4	44,1	216
01.G37VTP220G	22	281	461,9	47,1	474,5	48,4	237
01.G37VTP224G	22,4	286	437,6	48,3	495,3	50,5	245
01.G37VTP240G	24	334	549,7	56,0	564,7	57,5	282
01.G37VTP250G	25	362	596,4	60,8	612,8	62,4	306
01.G37VTP254G	25,4	374	615,7	62,7	632,5	64,5	316
01.G37VTP260G	26	392	645,1	65,7	662,8	67,5	331
01.G37VTP270G	27	423	695,7	70,9	714,7	72,8	357
01.G37VTP280G	28	454	748,2	76,2	768,7	78,3	384
01.G37VTP286G	28,6	474	780,6	79,5	802,0	81,7	401
01.G37VTP290G	29	487	802,6	81,8	824,5	84,0	412
01.G37VTP300G	30	522	858,9	87,5	882,4	89,9	441
01.G37VTP310G	31	557	917,1	93,4	942,2	96,0	471
01.G37VTP320G	32	594	977,2	99,6	1.004	102,3	502
01.G37VTP330G	33	631	1.039	105,9	1.068	108,8	533
01.G37VTP340G	34	670	1.103	112,4	1.133	115,5	566
01.G37VTP350G	35	710	1.169	119,1	1.201	122,4	600
01.G37VTP360G	36	751	1.237	126,0	1.271	129,5	635
01.G37VTP380G	38	837	1.378	140,4	1.416	144,3	707
01.G37VTP400G	40	927	1.527	155,6	1.569	159,8	784
01.G37VTP410G	41	974	1.604	163,5	1.648	167,9	823
01.G37VTP420G	42	1.022	1.683	171,5	1.729	176,2	864
01.G37VTP430G	43	1.072	1.764	179,8	1.813	184,7	906
01.G37VTP440G	44	1.122	1.848	188,3	1.898	193,4	948
01.G37VTP450G	45	1.174	1.932	196,9	1.985	202,3	992
01.G37VTP480G	48	1.335	2.199	224,0	2.259	230,2	1.129
01.G37VTP500G	50	1.449	2.386	243,1	2.451	249,8	1.225
01.G37VTP520G	52	1.567	2.580	262,9	2.651	270,1	1.324

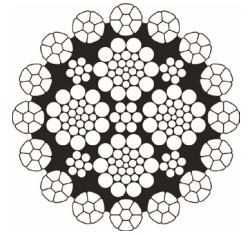


⁽⁴⁾ When the lifting height requires rotation resistant rope.

Verotop E

Wire rope construction: Rotation resistant rope with compacted outer strands.

verope 

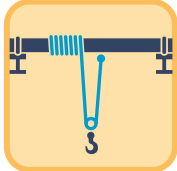


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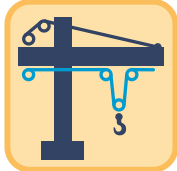
- verotop E has a high breaking strength with very strong resistance to drum crushing.
- verotop E is fully lubricated and made both of galvanized and ungalvanized wires.
- verotop E is a very flexible rope.
- verotop E should be used with a swivel.

ISO 4309 Rope Category No: All Diameters RCN.23-2.

Standard: EN 12385-4.



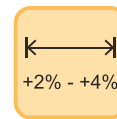
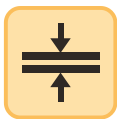
Main hoist rope ⁽⁴⁾



Main hoist rope



Main hoist rope



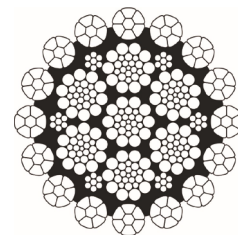
Art No	Wire rope Galvanized, right hand lang's lay 1960 N/mm ²	Wire rope Ø mm	Steel area mm ²	Min breaking strength				Weight kg/ 100m
				1960 N/mm ² kN	1960 N/mm ² tons	2160 N/mm ² kN	2160 N/mm ² tons	
01.G37VPE080G		8	35	55,2	5,6	60,2	6,1	31
01.G37VPE090G		9	45	69,8	7,1	76,2	7,8	39
01.G37VPE100G		10	55	86,2	8,8	94,1	9,6	48
01.G37VPE110G		11	67	104,3	10,6	113,9	11,6	58
01.G37VPE120G		12	79	124,1	12,6	135,5	13,8	69
01.G37VPE130G		13	93	145,7	14,8	159,1	16,2	81
01.G37VPE140G		14	108	169,0	17,2	184,5	18,8	94
01.G37VPE150G		15	124	194,0	19,8	211,8	21,6	107
01.G37VPE160G		16	141	220,7	22,5	241,0	24,6	122
01.G37VPE180G		18	178	279,3	28,5	305,0	31,1	155
01.G37VPE190G		19	198	311,2	31,7	339,8	34,6	172
01.G37VPE200G		20	220	344,8	35,1	376,7	38,4	191
01.G37VPE220G		22	266	417,2	42,5	455,6	46,4	231
01.G37VPE230G		23	291	456,0	46,5	497,9	50,7	252
01.G37VPE240G		24	317	496,5	50,6	542,1	55,2	275
01.G37VPE250G		25	344	538,8	54,9	588,3	59,9	298
01.G37VPE260G		26	372	582,7	59,4	636,3	64,8	323
01.G37VPE270G		27	401	628,4	64,0	686,2	69,9	348
01.G37VPE280G		28	431	675,8	68,9	737,9	75,2	374
01.G37VPE290G		29	462	725,0	73,9	791,6	80,7	401
01.G37VPE300G		30	495	775,8	79,1	847,1	86,3	430
01.G37VPE320G		32	563	882,7	90,0	963,8	98,2	489
01.G37VPE340G		34	636	983,8	100,3	1.077	109,8	552
01.G37VPE350G		35	673	1.043	106,2	1.142	116,3	585
01.G37VPE360G		36	713	1.103	112,4	1.208	123,1	619
01.G37VPE380G		38	794	1.229	125,2	1.346	137,1	689
01.G37VPE400G		40	880	1.362	138,8	1.491	151,9	764



⁽⁴⁾ When the lifting height requires rotation resistant rope.

Verotop S

Wire rope construction: Very flexible rotation-resistant rope with compacted outer strands and very high breaking strength.

 verope
 


Features:

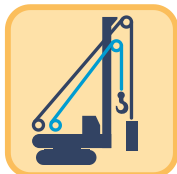
- verotop S is a very strong compacted rotation-resistant rope.
- verotop S achieves very good bending fatigue results.
- verotop S offers excellent resistance to crushing and abrasion.
- verotop S possesses perfect spooling behavior on multilayer drum.
- verotop S can be used either with or without swivel.
- verotop S is a category 1 rotation resistant rope in accordance with ASTM A1023.

ISO 4309 Rope Category No: All Diameters **RCN.23-2**.

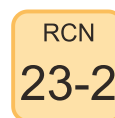
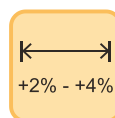
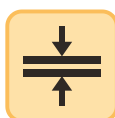
Standard: EN 12385-4.



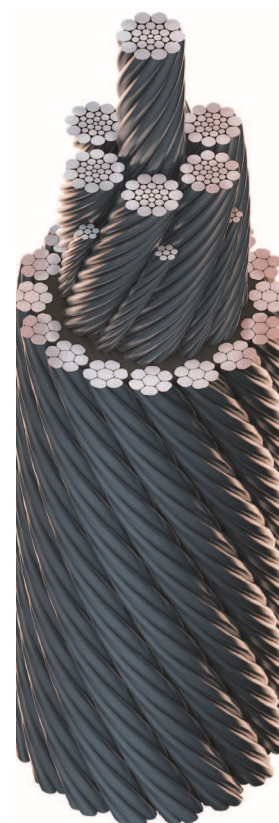
Main hoist rope



Pipe handling rope/
Pile hoist rope



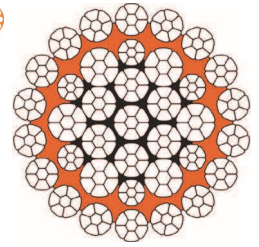
Art No	Wire Rope Galvanized, right hand lang's lay 1960 N/mm ²	Wire Rope Ø mm	Steel area mm ²	Minimum breaking strength				Weight kg/ 100m
				1960 N/mm ²		2160 N/mm ²		
			kN	tons	kN	tons		
01.G37VPS130G		13	98	166,0	16,9	172,8	18,1	85
01.G37VPS140G		14	114	192,5	19,6	200,4	21,0	98
01.G37VPS150G		15	131	221,0	22,5	230,1	24,1	113
01.G37VPS160G		16	150	251,4	25,6	261,8	27,4	128
01.G37VPS170G		17	169	283,8	28,9	295,5	31,0	145
01.G37VPS180G		18	190	318,2	32,4	331,3	34,7	162
01.G37VPS190G		19	212	354,5	36,2	369,2	38,7	181
01.G37VPS200G		20	235	392,8	40,1	409,0	42,8	200
01.G37VPS210G		21	260	433,1	44,2	451,0	47,2	221
01.G37VPS220G		22	285	475,3	48,5	494,9	51,8	243
01.G37VPS224G		22,4	290	492,8	50,2	513,1	52,3	251
01.G37VPS230G		23	312	519,5	53,0	541,0	56,7	265
01.G37VPS240G		24	340	565,7	57,7	589,0	61,7	289
01.G37VPS250G		25	369	613,8	62,6	639,1	66,9	313
01.G37VPS254G		25,4	381	633,6	64,6	659,7	69,1	323
01.G37VPS260G		26	399	663,9	67,7	691,3	72,4	339
01.G37VPS270G		27	430	715,9	73,0	745,5	78,1	365
01.G37VPS280G		28	463	770,0	78,5	801,7	84,0	393
01.G37VPS286G		28,6	483	803,3	81,9	836,5	87,6	410
01.G37VPS290G		29	497	825,9	84,2	860,0	90,1	421
01.G37VPS300G		30	532	883,9	90,1	920,4	96,4	451
01.G37VPS310G		31	568	943,8	96,2	982,7	102,9	482
01.G37VPS320G		32	605	1.005,7	102,5	1.047	109,7	513
01.G37VPS330G		33	644	1.069	109,1	1.144	116,6	546
01.G37VPS340G		34	683	1.135	115,8	1.182	123,8	579
01.G37VPS350G		35	724	1.203	122,7	1.253	131,2	614
01.G37VPS360G		36	766	1.273	129,8	1.361	132,5	649
01.G37VPS380G		38	854	1.418	144,6	1.477	154,7	724
01.G37VPS400G		40	947	1.571	160,2	1.636	171,4	802



Verotop P

Wire rope construction: verotop P is a rotation resistant rope with a plastic layer between the IWRC and 18 outer strands. All strands are compacted.

verope 



Features:

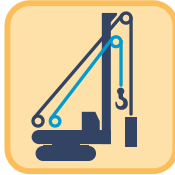
- The steel-plastic combination increases structural stability.
- verotop P has an extremely high breaking strength with good resistance to drum crushing.
- verotop P is fully lubricated and made both of galvanized and ungalvanized wires.
- verotop P can be used with a swivel.

ISO 4309 Rope Category No: All Diameters RCN.23-3.

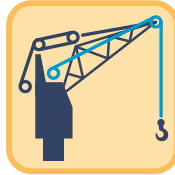
Standard: EN 12385-4.



Main hoist rope

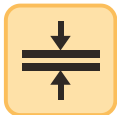


Pipe handling rope/
Pile hoist rope



Main hoist rope

RCN
23-3



F-faktor
0,73



←→
+2% - +4%

Art No	Wire Rope	Steel	Minimum breaking strength				Weight
			1960 N/mm ²		2160 N/mm ²		
Galvanized, right hand lang's lay	Ø	area	1960 N/mm ²	2160 N/mm ²	1960 N/mm ²	2160 N/mm ²	kg/100m
1960 N/mm ²	mm	mm ²	kN	tons	kN	tons	
01.G38VPP160G	16	147	241,7	24,6	252,7	25,7	125
01.G38VPP170G	17	166	272,8	27,8	285,3	29,1	141
01.G38VPP180G	18	186	319,8	31,2	319,8	32,6	158
01.G38VPP190G	19	207	340,8	34,7	356,3	36,3	176
01.G38VPP200G	20	229	377,6	38,5	394,8	40,2	195
01.G38VPP210G	21	253	416,3	42,4	435,3	44,4	215
01.G38VPP220G	22	277	456,9	46,6	477,7	48,7	236
01.G38VPP224G	22,4	283	473,6	48,8	491,9	50,1	240
01.G38VPP230G	23	303	499,3	50,9	522,2	53,2	258
01.G38VPP240G	24	330	543,7	55,4	568,6	57,9	281
01.G38VPP250G	25	358	590,0	60,2	616,9	62,9	305
01.G38VPP254G	25,4	370	609,0	62,1	655,2	66,8	314
01.G38VPP260G	26	388	638,1	65,0	667,3	68,0	329
01.G38VPP270G	27	418	688,1	70,1	719,6	73,3	355
01.G38VPP280G	28	449	740,1	75,4	773,9	78,9	382
01.G38VPP286G	28,6	469	772,1	78,7	807,8	82,3	399
01.G38VPP290G	29	482	793,9	80,9	830,1	84,6	409,9
01.G38VPP300G	30	516	849,6	86,6	888,4	90,5	439
01.G38VPP310G	31	551	907,1	92,4	948,6	96,7	468
01.G38VPP320G	32	587	966,6	98,5	1.011	103,0	499
01.G38VPP330G	33	624	1.028	104,7	1.106	112,8	531
01.G38VPP340G	34	663	1.091	111,2	1.141	116,3	563
01.G38VPP350G	35	702	1.156	117,8	1.209	123,2	597
01.G38VPP360G	36	743	1.223	124,7	1.279	130,4	632
01.G38VPP380G	38	828	1.363	139,0	1.425	142,2	704
01.G38VPP400G	40	917	1.510	153,9	1.579	160,9	780
01.G38VPP420G	42	1.011	1.665	169,7	1.741	177,4	860
01.G38VPP430G	43	1.060	1.745	177,9	1.825	186,0	901
01.G38VPP440G	44	1.110	1.827	186,2	1.911	194,7	944
01.G38VPP450G	45	1.161	1.911	194,8	1.999	203,7	987
01.G38VPP460G	46	1.213	1.997	203,5	2.089	212,8	1.031
01.G38VPP480G	48	1.321	2.175	221,6	2.340	238,6	1.123
01.G38VPP500G	50	1.433	2.360	240,5	2.468	251,5	1.218



Verotop XP

Wire rope construction: verotop XP is a rotary swaged rotation-resistant rope with compacted strands and a rope core covered with a plastic layer.

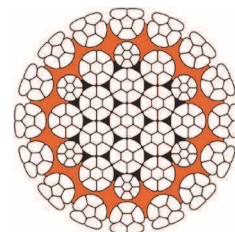
Features:

- Verotop XP is the strongest of all rotation-resistant ropes.
- Very stable rope structure and achieves good bending fatigue results.
- It also avoids internal wear and protects the core in corrosive environments.
- Offers superior crushing resistance and best resistance to abrasion.
- Possesses perfect spooling behavior on multilayer drum.

ISO 4309 Rope Category No: All Diameters **RCN.23-1**

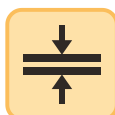
Standard: EN 12385-4.

verope 



Main hoist rope

RCN
23-1
←→
+2% - +4%



F-faktor
0,75



Art No	Wire Rope Galvanized, Right Hand Langs Lay 1960 N/mm ²	Wire Rope Ø mm	Steel area mm ²	Minimum breaking strength				Weight kg/ 100m
				1960 N/mm ²		2160 N/mm ²		
				kN	tons	kN	tons	
01.G38VXP120G		12	84	140,4	14,3	152,9	15,6	72
01.G38VXP127G		12,7	94	157,2	16,0	171,2	17,4	81
01.G38VXP130G		13	99	164,7	16,8	179,4	18,3	84
01.G38VXP140G		14	115	191,0	19,5	208,1	21,2	98
01.G38VXP150G		15	132	219,3	22,4	238,9	24,4	113
01.G38VXP160G		16	150	249,6	25,4	271,8	27,7	128
01.G38VXP170G		17	169	281,7	28,7	306,8	31,3	145
01.G38VXP180G		18	190	315,8	32,2	344,0	35,1	162
01.G38VXP190G		19	211	351,9	35,9	383,3	39,1	181
01.G38VXP200G		20	234	389,9	39,7	424,7	43,3	200
01.G38VXP210G		21	258	429,9	43,8	468,2	47,7	221
01.G38VXP220G		22	283	471,8	48,1	513,8	52,4	242
01.G38VXP224G		22,4	288	489,1	49,8	532,7	54,3	251
01.G38VXP230G		23	310	515,7	52,5	561,6	57,3	265
01.G38VXP240G		24	337	561,5	57,2	611,5	62,4	288
01.G38VXP250G		25	366	609,3	62,1	663,5	67,7	313
01.G38VXP254G		25,4	377	628,9	64,1	684,9	69,8	323
01.G38VXP260G		26	396	659,0	67,1	717,7	73,2	338
01.G38VXP270G		27	427	710,6	72,4	773,9	78,9	365
01.G38VXP280G		28	459	764,3	77,9	832,3	84,9	392
01.G38VXP286G		28,6	479	797,4	81,3	868,4	88,6	409
01.G38VXP290G		29	492	819,8	83,5	892,8	91,0	421
01.G38VXP300G		30	527	877,3	89,4	955,5	97,4	450
01.G38VXP310G		31	562	936,8	95,5	1.020	104,0	481
01.G38VXP320G		32	599	998,2	101,7	1.087	110,9	512
01.G38VXP330G		33	637	1.062	108,2	1.156	117,9	545
01.G38VXP340G		34	676	1.127	114,8	1.227	125,1	578
01.G38VXP350G		35	717	1.194	121,7	1.301	132,6	613
01.G38VXP360G		36	758	1.263	128,7	1.376	140,3	648
01.G38VXP380G		38	845	1.408	143,4	1.533	156,3	722
01.G38VXP400G		40	936	1.560	158,9	1.699	173,2	800
01.G38VXP413G		41,3	998	1.663	169,4	1.811	184,7	853
01.G38VXP420G		42	1.032	1.720	175,2	1.873	191,0	883
01.G38VXP440G		44	1.133	1.887	192,3	2.055	209,6	969
01.G38VXP450G		45	1.185	1.974	201,2	2.150	219,2	1.013
01.G38VXP460G		46	1.238	2.063	210,2	2.246	228,9	1.059
01.G38VXP475G		47,5	1.320	2.199	224,1	2.395	244,1	1.129
01.G38VXP480G		48	1.347	2.246	228,9	2.446	249,3	1.153



Verostar 8

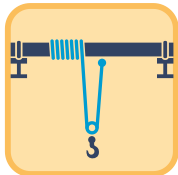
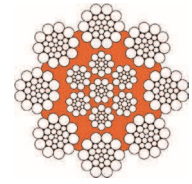
Wire rope construction: 8 strand rope made out of conventional strands, plastic layer between the inner and outer strands.

Features:

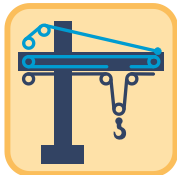
- verostar 8 has a high breaking strength
- verostar 8 has a very stable rope structure and achieves good bending fatigue results
- verostar 8 achieves best service life in reeving systems with single layer drums
- verostar 8 may not be used with a swivel

ISO 4309 Rope Category No: Up to 42mm **RCN.09**, 43-48mm **RCN.11**, > 48mm **RCN.13**

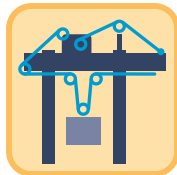
Standard: EN 12385-4.



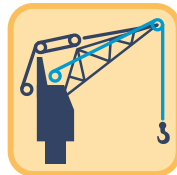
Main hoist rope⁽³⁾



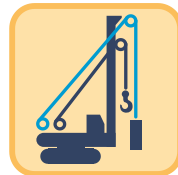
Boom hoist and trolley rope



Boom and main hoist⁽²⁾ rope



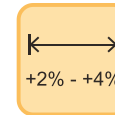
Main hoist rope⁽²⁾



Main hoist rope



Racking, grab closing⁽²⁾, boom and main hoist⁽²⁾



Art No	Wire rope Galvanized, right hand ordinary lay 1960 N/mm ²	Steel area Ø mm	Minimum breaking strength				Weight kg/ 100m
			1770 N/mm ² kN	1960 N/mm ² tons	1960 N/mm ² kN	1960 N/mm ² tons	
01.G11VSR080G	8	31	47,9	4,9	53,0	5,4	28
01.G11VSR090G	9	39	60,6	6,2	67,1	6,8	35
01.G11VSR100G	10	48	74,8	7,6	82,8	8,4	43
01.G11VSR110G	11	58	90,5	9,2	100,2	10,2	52
01.G11VSR120G	12	69	107,7	11,0	119,3	12,2	62
01.G11VSR130G	13	81	126,4	12,9	140,0	14,3	73
01.G11VSR140G	14	94	146,6	14,9	162,3	16,5	85
01.G11VSR150G	15	108	168,3	17,1	186,3	19,0	97
01.G11VSR160G	16	123	191,5	19,5	212,0	21,6	110
01.G11VSR170G	17	138	216,2	22,0	239,4	24,4	125
01.G11VSR180G	18	155	242,3	24,7	268,3	27,3	140
01.G11VSR190G	19	173	270,0	27,5	299,0	30,5	156
01.G11VSR200G	20	192	299,2	30,5	331,3	33,8	173
01.G11VSR210G	21	211	329,8	33,6	365,2	37,2	190
01.G11VSR220G	22	232	362,0	36,9	400,9	40,8	209
01.G11VSR230G	23	253	395,7	40,3	438,1	44,6	228
01.G11VSR240G	24	276	430,8	43,9	477,1	48,6	248
01.G11VSR250G	25	299	467,5	47,6	517,6	52,7	270
01.G11VSR260G	26	324	505,6	51,5	559,9	57,1	292
01.G11VSR270G	27	349	545,2	55,6	603,8	61,5	314
01.G11VSR280G	28	376	586,4	59,8	649,3	66,2	338
01.G11VSR290G	29	403	629,0	64,1	696,5	71,0	363
01.G11VSR300G	30	431	673,1	68,6	745,4	76,0	388
01.G11VSR310G	31	460	718,8	73,2	795,9	81,1	414
01.G11VSR320G	32	491	765,9	78,0	848,1	86,4	442
01.G11VSR330G	33	522	814,5	83,0	901,9	91,9	470
01.G11VSR340G	34	554	864,6	88,1	957,4	97,6	498
01.G11VSR350G	35	587	916,2	93,4	1.015	103,4	528
01.G11VSR360G	36	621	969,3	98,8	1.073	109,4	559
01.G11VSR380G	38	692	1.080	110,1	1.196	121,9	623
01.G11VSR400G	40	767	1.197	121,9	1.325	135,0	690
01.G11VSR420G	42	845	1.319	134,4	1.461	148,9	761
01.G11VSR440G	44	928	1.448	147,6	1.603	163,4	835
01.G11VSR450G	45	970	1.515	154,3	1.677	170,9	873
01.G11VSR460G	46	1.014	1.583	161,3	1.753	178,6	912
01.G11VSR480G	48	1.104	1.723	175,6	1.908	194,4	993
01.G11VSR500G	50	1.198	1.870	190,5	2.071	211,0	1.078
01.G11VSR520G	52	1.295	2.022	206,1	2.239	228,2	1.166
01.G11VSR540G	54	1.397	2.181	222,2	2.415	246,1	1.257
01.G11VSR560G	56	1.502	2.346	239,0	2.597	264,7	1.352
01.G11VSR580G	58	1.612	2.516	256,4	2.786	283,9	1.451



⁽²⁾ When right and left-hand lay rope is used.
⁽³⁾ When right and left-hand lay rope is used, in multi reeving systems, low heights, when rotation free rope is not needed.

Veropro 8

Wire rope construction: 8-strand wire rope with compacted outer strands and steel core, plastic layer between inner and outer strands.

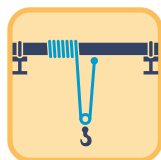
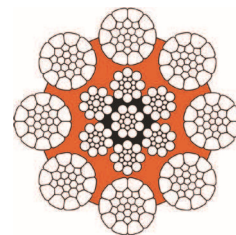
Features:

- Very high breaking strength
- Very stabile rope construction with very good fatigue properties
- A plastic layer between inner and outer strands prevents inner wear and protects the core from corrosion.
- Very high resistance against flattening and wear.
- Specially suitable for multilayer spooling.

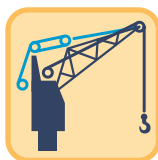
ISO 4309 Rope Category No: Up to 42mm **RCN.09**, 43-48mm **RCN.11**, > 48mm **RCN.13**

Standard: EN 12385-4.

verope



Main hoist rope⁽³⁾



Boom hoist and stay rope



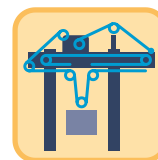
Boom hoist and stay rope



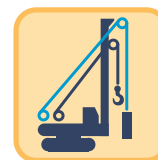
Racking, boom and main hoist⁽²⁾ rope



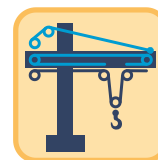
Boom hoist and stay rope



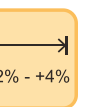
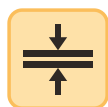
Trolley, boom and main hoist⁽²⁾ rope



Main hoist rope



Boom hoist and trolley rope



Art No / 1960	Wire rope Ø mm	Steel area mm ²	Minimum breaking strenght				Weight kg/ 100m
			1960 N/mm ²		2160 N/mm ²		
			kN	tons	kN	tons	
01.G33VP8080G1	8	33	58	5,91	61	6,22	29
01.G33VP8090G1	9	42	73	7,44	77	7,85	36
01.G33VP8100G1	10	52	90	9,18	95	9,69	45
01.G33VP8110G1	11	63	109	11,11	115	11,73	54
01.G33VP8120G1	12	75	130	13,26	136	13,87	65
01.G33VP8127G1	12.7	85	145	14,79	152	15,50	73
01.G33VP8130G1	13	88	152	15,5	160	16,32	76
01.G33VP8140G1	14	103	177	18,05	186	18,97	88
01.G33VP8150G1	15	118	203	20,7	213	21,72	101
01.G33VP8160G1	16	134	231	23,56	242	24,68	115
01.G33VP8170G1	17	151	261	26,61	274	27,94	130
01.G33VP8180G1	18	169	292	29,78	307	31,31	146
01.G33VP8190G1	19	189	325	33,14	342	34,87	162
01.G33VP8200G1	20	209	361	36,81	379	38,65	180
01.G33VP8210G1	21	231	398	40,58	418	42,62	198
01.G33VP8220G1	22	253	436	44,46	458	46,70	218
01.G33VP8224G1	22.4	264	452	46,09	475	48,44	290
01.G33VP8230G1	23	277	477	48,64	501	51,09	238
01.G33VP8240G1	24	301	519	52,92	545	55,57	259
01.G33VP8250G1	25	327	563	57,41	592	60,37	281
01.G33VP8254G1	25.4	339	581	59,25	611	62,3	290
01.G33VP8260G1	26	354	609	62,10	640	65,26	304
01.G33VP8270G1	27	381	657	67,00	690	70,36	328
01.G33VP8280G1	28	410	707	72,09	742	75,66	353
01.G33VP8286G1	28.6	430	737	75,15	774	78,93	368
01.G33VP8290G1	29	440	758	77,29	796	81,17	378
01.G33VP8300G1	30	471	811	82,7	852	86,88	405
01.G33VP8310G1	31	503	866	88,31	910	92,79	432
01.G33VP8320G1	32	536	923	94,12	970	98,91	461
01.G33VP8330G1	33	570	982	100,14	1031	105,13	490
01.G33VP8340G1	34	605	1042	106,25	1095	111,66	520
01.G33VP8350G1	35	641	1104	112,58	1160	118,29	551
01.G33VP8360G1	36	678	1168	119,1	1227	125,12	583
01.G33VP8380G1	38	755	1301	132,67	1367	139,40	650
01.G33VP8400G1	40	837	1442	147,04	1515	154,49	720
01.G33VP8413G1	41.3	897	1537	156,73	1615	164,68	767
01.G33VP8420G1	42	923	1590	162,13	1670	170,29	794
01.G33VP8420G1	44	1013	1745	177,94	1833	186,91	871
01.G33VP8450G1	45	1059	1825	186,10	1917	195,48	911
01.G33VP8460G1	46	1107	1920	195,79	2056	209,65	952
01.G33VP8475G1	47.5	1187	2034	207,41	2136	217,81	1015
01.G33VP8480G1	48	1205	2077	211,8	2181	222,4	1036
01.G33VP8500G1	50	1308	2253	229,74	2367	241,37	1125
01.G33VP8520G1	52	1414	2437	248,5	2560	261,05	1216
01.G33VP8540G1	54	1525	2628	267,98	2761	281,54	1312
01.G33VP8560G1	56	1640	2826	288,17	-	-	1411
01.G33VP8580G1	58	1760	3032	309,18	-	-	1513
01.G33VP8600G1	60	1883	3245	330,9	-	-	1619



⁽²⁾ When right and left-hand lay rope is used.
⁽³⁾ When right and left-hand lay rope is used, in multi reeving systems, low heights, when rotation free rope is not needed.

Veropro 8 RS

verope 

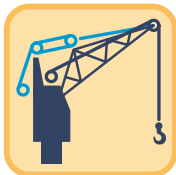
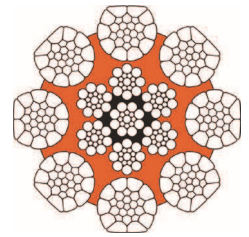
Wire rope construction: 8 strand rope with a plastic layer between the steel core and the compacted outer strands. The rope is mildly rotary swaged and offer a significant increased surface area.

Features:

- Very high breaking strength.
- Very stabile rope construction with very good fatigue properties.
- A plastic layer between inner and outer strands prevents inner wear and protects the core from corrosion.

ISO 4309 Rope Category No: Up to 42mm **RCN.09**, 43-48mm **RCN.11**, > 48mm **RCN.13**.

Standard: EN 12385-4.



Boom hoist and stay rope



Boom hoist and stay rope



Boom hoist and stay rope

←→
+2% - +4%

sZ

zZ

sS

G

B

F-faktor
0,69

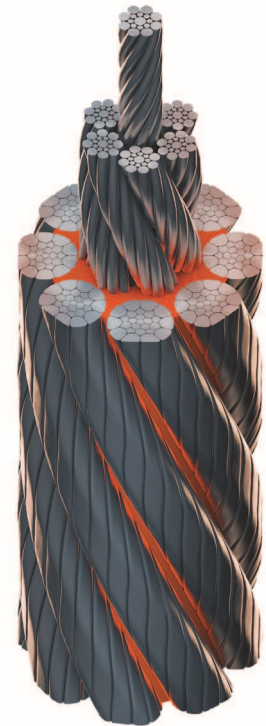


RCN
09

RCN
11

RCN
13

Art No	Wire Rope	Steel area	Minimum breaking strength				Weight
			1960 N/mm ²	1960 N/mm ²	2160 N/mm ²	2160 N/mm ²	
Galvanized, right hand ordinary lay	Ø	mm ²	kN	tons	kN	tons	kg/100m
01.G13V8R120G	12	77	134,4	13,7	144,7	14,7	67
01.G13V8R127G	12,7	87	150,5	15,3	162,1	16,5	75
01.G13V8R130G	13	91	157,7	16,1	169,9	17,3	78
01.G13V8R140G	14	105	182,9	18,6	197,0	20,1	91
01.G13V8R150G	15	121	210,0	21,4	226,1	23,0	104
01.G13V8R160G	16	138	238,9	24,3	257,3	26,2	118
01.G13V8R170G	17	155	269,7	27,5	290,5	29,6	134
01.G13V8R180G	18	174	302,4	30,8	325,6	33,2	150
01.G13V8R190G	19	194	336,9	34,3	362,8	37,0	167
01.G13V8R200G	20	215	373,3	38,0	402,0	41,0	185
01.G13V8R210G	21	237	411,5	41,9	443,2	45,2	204
01.G13V8R220G	22	260	451,7	46,0	486,5	49,6	224
01.G13V8R224G	22,4	265	468,2	47,3	504,3	51,4	232
01.G13V8R230G	23	285	493,7	50,3	531,7	54,2	245
01.G13V8R240G	24	310	537,5	54,8	578,9	59	267
01.G13V8R250G	25	336	583,3	59,4	628,2	64	289
01.G13V8R254G	25,4	347	602,1	61,4	648,4	66,1	299
01.G13V8R260G	26	364	630,9	64,3	679,4	69,2	313
01.G13V8R270G	27	392	680,3	69,3	732,7	74,7	337
01.G13V8R280G	28	422	731,6	74,6	788,0	80,3	363
01.G13V8R286G	28,6	440	763,3	77,8	822,1	83,8	379
01.G13V8R290G	29	452	784,8	80,0	845,3	86,1	389
01.G13V8R300G	30	484	839,9	85,6	904,6	92,2	416
01.G13V8R310G	31	517	896,8	91,4	965,9	98,4	445
01.G13V8R320G	32	551	955,6	97,4	1.029	104,9	474
01.G13V8R330G	33	586	1.016	103,6	1.095	111,5	504
01.G13V8R340G	34	622	1.079	109,9	1.162	118,4	535
01.G13V8R350G	35	659	1.143	116,5	1.231	125,5	567
01.G13V8R360G	36	697	1.209	123,2	1.303	132,7	600
01.G13V8R380G	38	777	1.348	137,3	1.451	147,9	668
01.G13V8R400G	40	861	1.493	152,2	1.608	163,9	740
01.G13V8R413G	41,3	918	1.592	162,2	1.714	174,7	789
01.G13V8R420G	42	949	1.646	167,7	1.773	180,7	816
01.G13V8R440G	44	1.042	1.807	184,1	1.946	198,3	896
01.G13V8R450G	45	1.089	1.890	192,6	2.035	207,4	937
01.G13V8R460G	46	1.138	1.975	201,2	2.127	216,7	979
01.G13V8R475G	47,5	1.214	2.106	214,6	2.268	231,1	1.044
01.G13V8R480G	48	1.240	2.150	219,1	2.316	236,0	1.066



Verosteel 8

Wire rope constructure: 8-strand rope with compacted outer strands.

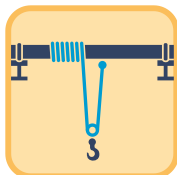
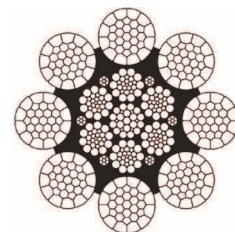
Features:

- verosteel 8 has a high breaking load and provides good structural stability.
- verosteel 8 is intensive lubricated and produced either in galvanized or in ungalvanized wires.
- verosteel 8 provides excellent spooling on the drum.
- verosteel 8 is a very flexible rope construction with high abrasion resistance and good service life.
- verosteel 8 is recommended in application with high environment temperature.
- verosteel 8 should not be used with a swivel.

ISO 4309 Rope Category No: Up to 42mm **RCN.09**, 43-48mm **RCN.11**, > 48mm **RCN.13**.

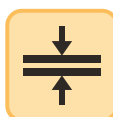
Standard: EN 12385-4.

verope 



Main hoist rope⁽³⁾

RCN
13
←→
+2% - +4%



F-faktor
0,70



RCN
09

RCN
11

Art No	Wire Rope	Steel	Minimum breaking strength				Weight
			Ø	area	1960 N/mm ²	2160 N/mm ²	
Galvanized, right hand ordinary lay			1960 N/mm ²		2160 N/mm ²		100m
	mm	mm ²	kN	tons	kN	tons	
01.G12V8R160G	16	141	235,1	24,0	254,4	25,9	116
01.G12V8R170G	17	159	265,5	27,1	287,2	29,3	132
01.G12V8R180G	18	179	297,6	30,3	322,0	32,8	147
01.G12V8R190G	19	199	331,6	33,8	358,7	36,6	164
01.G12V8R200G	20	221	367,4	37,4	397,5	40,5	182
01.G12V8R210G	21	243	405,1	41,3	438,2	44,7	201
01.G12V8R220G	22	267	444,6	45,3	481,0	49,0	220
01.G12V8R230G	23	292	485,9	49,5	525,7	53,6	241
01.G12V8R240G	24	318	529,1	53,9	572,4	58,3	262
01.G12V8R250G	25	345	574,1	58,5	621,1	63,3	284
01.G12V8R260G	26	373	620,9	63,3	671,7	68,5	308
01.G12V8R270G	27	402	669,6	68,2	724,4	73,8	332
01.G12V8R280G	28	432	720,1	73,4	779,1	79,4	357
01.G12V8R290G	29	464	772,5	78,7	835,7	85,2	383
01.G12V8R300G	30	496	826,7	84,2	894,3	91,1	409
01.G12V8R310G	31	530	882,7	89,9	954,9	97,3	437
01.G12V8R320G	32	565	940,6	95,8	1.018	103,7	466
01.G12V8R330G	33	600	1.000	101,9	1.082	110,3	495
01.G12V8R340G	34	637	1.062	108,2	1.149	117,1	526
01.G12V8R350G	35	675	1.125	114,7	1.217	124,0	557
01.G12V8R360G	36	715	1.190	121,3	1.288	131,2	590
01.G12V8R370G	37	755	1.257	128,1	1.360	138,6	623
01.G12V8R380G	38	796	1.326	135,2	1.435	146,2	657
01.G12V8R390G	39	839	1.397	142,4	1.511	154,0	692
01.G12V8R400G	40	882	1.470	149,8	1.590	162,0	728
01.G12V8R410G	41	927	1.544	157,3	1.670	170,2	765
01.G12V8R420G	42	973	1.620	165,1	1.753	178,6	802
01.G12V8R430G	43	1.019	1.698	173,1	1.837	187,2	841
01.G12V8R440G	44	1.067	1.778	181,2	1.924	196,0	881
01.G12V8R450G	45	1.116	1.860	189,5	2.012	205,0	921
01.G12V8R460G	46	1.167	1.944	198,1	2.103	214,3	963
01.G12V8R470G	47	1.218	2.029	206,8	2.195	223,7	1.005
01.G12V8R480G	48	1.270	2.116	215,7	2.289	233,3	1.048
01.G12V8R490G	49	1.324	2.205	224,7	2.386	243,1	1.092
01.G12V8R500G	50	1.378	2.296	234,0	2.484	253,1	1.137



⁽³⁾ When right and left-hand lay rope is used, in multi reeving systems, low heights, when rotation free rope is not needed.

Veropower 8

Wire rope construction: veropower 8 is an 8-strand non rotation resistant rope. It is a flexible steel-plastic combination rope with double parallel layed strands.

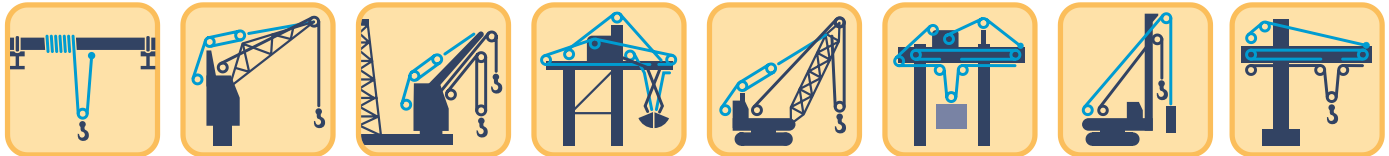
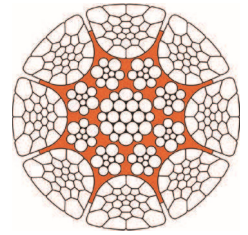
Features:

- All strands are compacted and rotary swaged.
- veropower 8 has an extremely high breaking strength and is very resistant against abrasion.
- veropower 8 is suitable for multi layer spooling systems with guided loads.
- veropower 8 is fully lubricated and made both of galvanized and ungalvanized wires.
- veropower 8 should not be used with a swivel.

ISO 4309 Rope Category No: Up to 40mm **RCN.09**, 41-46mm **RCN.11**, > 46mm **RCN.13**.

Standard: EN 12385-4.

verope



Main hoist rope⁽³⁾

Boom hoist and stay rope

Boom hoist and stay rope

Racking, boom and main hoist⁽²⁾ rope.

Boom hoist and stay rope

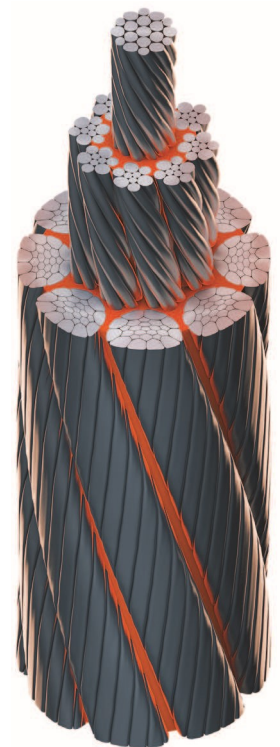
Trolley, boom and main hoist⁽²⁾ rope.

Main hoist rope

Boom hoist and trolley rope



Art No	Wire Rope	Steel	Minimum breaking strength				Weight
			1960 N/mm ²		2160 N/mm ²		
Galvanized, right hand ordinary lay	Ø	area	1960 N/mm ²	2160 N/mm ²	1960 N/mm ²	2160 N/mm ²	kg/100m
1960 N/mm ²	mm	mm ²	kN	tons	kN	tons	
01.G13V8P120G	12	84	147,4	15,0	158,8	16,2	72
01.G13V8P130G	13	99	173,0	17,6	186,4	19,0	84
01.G13V8P140G	14	115	200,6	20,4	216,2	22,0	98
01.G13V8P150G	15	132	230,3	23,5	248,2	25,3	112
01.G13V8P160G	16	150	262,0	26,7	282,3	28,8	128
01.G13V8P170G	17	170	296,8	30,1	318,7	32,5	144
01.G13V8P180G	18	190	331,6	33,8	357,3	36,4	161
01.G13V8P190G	19	212	369,5	37,6	398,1	40,6	180
01.G13V8P200G	20	235	409,4	41,7	441,2	45,0	199
01.G13V8P210G	21	259	451,3	46,0	486,4	49,6	220
01.G13V8P220G	22	284	495,3	50,5	533,8	54,4	241
01.G13V8P230G	23	310	541,4	55,2	583,4	59,5	264
01.G13V8P240G	24	338	589,5	60,1	635,3	64,7	287
01.G13V8P250G	25	367	639,6	65,2	689,3	70,2	311
01.G13V8P260G	26	397	691,8	70,5	745,6	76,0	337
01.G13V8P270G	27	428	746,1	76,0	804,0	81,9	363
01.G13V8P280G	28	460	802,4	81,8	864,7	88,1	391
01.G13V8P290G	29	493	860,7	87,7	927,5	94,5	419
01.G13V8P300G	30	528	921,1	93,9	992,6	101,1	448
01.G13V8P310G	31	564	983,5	100,2	1.066	108,0	479
01.G13V8P320G	32	601	1.048	106,8	1.129	115,1	510
01.G13V8P330G	33	639	1.115	113,6	1.201	122,4	542
01.G13V8P340G	34	678	1.183	120,6	1.275	129,9	576
01.G13V8P350G	35	719	1.254	127,8	1.351	137,7	610
01.G13V8P360G	36	760	1.326	135,2	1.429	145,7	646
01.G13V8P380G	38	847	1.478	150,6	1.593	162,3	719
01.G13V8P400G	40	939	1.637	166,9	1.765	179,8	797
01.G13V8P420G	42	1.035	1.805	184,0	1.946	198,2	879
01.G13V8P440G	44	1.136	1.981	201,9	2.135	217,6	964
01.G13V8P450G	45	1.188	2.072	211,2	2.233	227,6	1.009
01.G13V8P460G	46	1.241	2.166	220,7	2.334	237,8	1.054
01.G13V8P480G	48	1.352	2.358	240,3	2.541	258,9	1.148

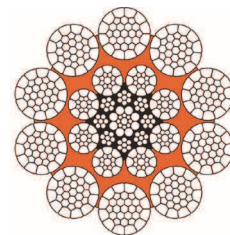


⁽²⁾ When right and left-hand lay rope is used.
⁽³⁾ When right and left-hand lay rope is used, in multi reeving systems, low heights, when rotation free rope is not needed.

Veropro 10

Wire rope construction: 10 strand rope with a plastic layer between the steel core and the compacted outer strands.

verope 

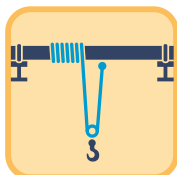


Features:

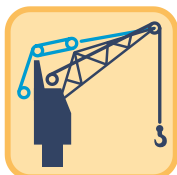
- veropro 10 has a very high breaking strength
- veropro 10 has a very stable rope structure and achieves excellent bending fatigue results
- veropro 10 offers excellent resistance to crushing and abrasion
- veropro 10 possesses perfect spooling behavior on multilayer drum
- veropro 10 may not be used with a swivel

ISO 4309 Rope Category No: All Diameters **RCN.11.**

Standard: EN 12385-4.



Main hoist rope⁽³⁾



Boom hoist and stay rope



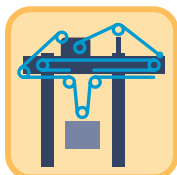
Boom hoist and stay rope



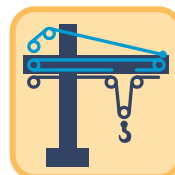
Racking, boom and main hoist⁽²⁾ rope.



Boom hoist and stay rope



Trolley, boom and main hoist⁽²⁾ rope.



Boom hoist and trolley rope

sZ

zZ

sS

G

B

F-faktor
0,68



Art No	Wire rope Galvanized, right hand ordinary lay 1960 N/mm ²	Steel area mm ²	Minimum breaking strength				Weight kg/ 100m
			1960 N/mm ²		2160 N/mm ²		
	Ø mm		kN	tons	kN	tons	
01.G13VP1300G	30	483	828	84,4	892	90,9	415
01.G13VP1320G	32	549	942	96,0	1.014	103,4	472
01.G13VP1340G	34	620	1.063	108,4	1.145	116,7	533
01.G13VP1360G	36	695	1.192	121,5	1.284	130,8	598
01.G13VP1380G	38	775	1.328	135,4	1.431	145,8	666
01.G13VP1400G	40	858	1.472	150,0	1.585	161,5	738
01.G13VP1420G	42	946	1.623	165,4	1.748	178,1	814
01.G13VP1440G	44	1039	1.781	181,5	1.918	195,4	893
01.G13VP1460G	46	1.135	1.947	198,4	2.096	213,6	976
01.G13VP1480G	48	1.236	2.120	216,0	2.283	232,6	1.063
01.G13VP1500G	50	1.341	2.300	234,4	2.477	252,4	1.153
01.G13VP1520G	52	1.450	2.488	253,5	2.679	273,0	1.247
01.G13VP1540G	54	1.564	2.683	273,4	2.889	294,4	1.345
01.G13VP1560G	56	1.682	2.885	294,0	3.107	316,6	1.447
01.G13VP1580G	58	1.805	3.095	315,4	3.333	339,6	1.552
01.G13VP1600G	60	1.931	3.312	337,5	3.566	363,4	1.661
01.G13VP1620G	62	2.062	3.536	360,4	3.808	388,1	1.773
01.G13VP1640G	64	2.197	3.768	384,0	4.058	413,5	1.890
01.G13VP1660G	66	2.337	4.007	408,4	4.315	439,7	2.010
01.G13VP1680G	68	2.480	4.254	433,5	4.581	466,8	2.133
01.G13VP1700G	70	2.628	4.508	459,4	4.854	494,7	2.261



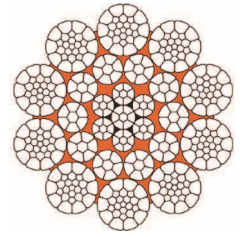
⁽²⁾ When right and left-hand lay rope is used.

⁽³⁾ When right and left-hand lay rope is used, in multi reeving systems, low heights, when rotation free rope is not needed.

Verotech 10

Wire rope construction: 10 strand rope with a plastic layer between the steel core and the compacted outer strands.

verope 

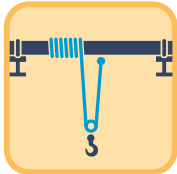


Features:

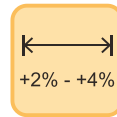
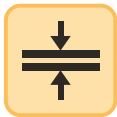
- Very high breaking strength.
- Very stable rope construction with very good fatigue properties.
- A plastic layer between inner and outer strands prevents inner wear and protects the core from corrosion.
- Very high resistance against flattening and wear.
- Specially suitable for multilayer spooling.

ISO 4309 Rope Category No: All Diameters **RCN.11.**

Standard: EN 12385-4.



Main hoist rope⁽³⁾



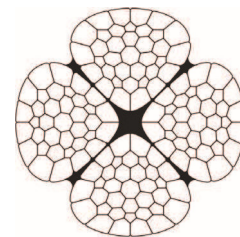
Art No	Wire Rope	Steel	Minimum breaking strength				Weight
			1960 N/mm ²	2160 N/mm ²	1960 N/mm ²	2160 N/mm ²	
Galvanized, right hand ordinary lay	Ø	area	1960 N/mm ²	2160 N/mm ²	1960 N/mm ²	2160 N/mm ²	kg/
1960 N/mm ²	mm	mm ²	kN	tons	kN	tons	100m
01.G13VT1060G	6	21	34,9	3,6	38,0	3,9	18
01.G13VT1070G	7	28	47,5	4,8	51,7	5,3	24
01.G13VT1080G	8	37	62,0	6,3	67,6	6,9	32
01.G13VT1090G	9	47	78,5	8	85,5	8,7	40
01.G13VT1100G	10	57	96,9	9,9	105,6	10,8	49
01.G13VT1110G	11	70	117,3	12	127,7	13,0	60
01.G13VT1120G	12	83	139,5	14,2	152,0	15,5	71
01.G13VT1130G	13	97	163,8	15,9	178,4	18,2	84
01.G13VT1140G	14	113	189,9	16,7	206,9	21,1	97
01.G13VT1150G	15	129	218,0	19,4	237,5	24,2	111
01.G13VT1160G	16	147	248,1	22,2	270,2	27,6	127
01.G13VT1170G	17	166	280,1	25,3	305,1	31,1	143
01.G13VT1180G	18	186	314,0	28,5	342,0	34,9	160
01.G13VT1190G	19	208	349,8	32	381,0	38,9	179
01.G13VT1200G	20	230	387,6	35,6	422,2	43,1	198
01.G13VT1210G	21	254	427,4	39,5	465,5	47,5	218
01.G13VT1220G	22	278	469,0	43,6	510,9	52,1	239
01.G13VT1230G	23	304	512,6	47,8	558,4	56,9	262
01.G13VT1240G	24	331	558,2	49,5	608,0	62,0	285
01.G13VT1250G	25	359	605,7	52,2	659,7	67,3	309
01.G13VT1260G	26	389	655,1	56,9	713,5	72,8	334
01.G13VT1270G	27	419	706,5	61,7	769,5	78,5	360
01.G13VT1280G	28	451	759,8	63,7	827,5	84,4	388
01.G13VT1290G	29	484	815,0	66,8	887,7	90,5	416
01.G13VT1300G	30	517	872,2	72	950,0	96,9	445
01.G13VT1310G	31	552	931,3	77,4	1.014	103,4	475
01.G13VT1320G	32	589	992,3	80,8	1.081	110,2	506
01.G13VT1330G	33	626	1.055	83	1.149	117,2	538
01.G13VT1340G	34	665	1.120	88,9	1.220	124,4	572



⁽³⁾ When right and left-hand lay rope is used, in multi reeving systems, low heights, when rotation free rope is not needed.

Vero 4

Wire rope construction: vero 4 is a 4-strand rotation resistant rope with compacted strands. The long lay of the strands increases resistance against outer mechanical impacts. It is extremely flexible and has a high breaking load.

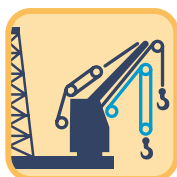


Features:

- vero 4 is a 4-strand rotation resistant hoist rope.
- All strands are compacted.
- The construction chosen long lay of the strands makes it insensitive against outer mechanical impacts.
- vero 4 has a high breaking load.
- vero 4 is fully lubricated and made either of galvanized or optional ungalvanized wires.
- vero 4 is extremely flexible.

ISO 4309 Rope Category No: All Diameters **RCN.23-2.**

Standard: EN 12385-4.



Main hoist rope



Art No	Wire rope Galvanized, right hand ordinary lay 1960 N/mm ²	Steel area mm ²	Min breaking strenght				Weight kg/ 100m
			1960 N/mm ² kN	1960 N/mm ² tons	2160 N/mm ² kN	2160 N/mm ² tons	
01.G32VE4080G	8	32	55,9	5,7	59,7	6,1	27
01.G32VE4090G	9	40	70,8	7,2	75,7	7,7	34
01.G32VE4100G	10	50	87,4	8,9	93,2	9,5	42
01.G32VE4110G	11	60	105,8	10,8	112,8	11,5	51
01.G32VE4120G	12	71	125,9	12,8	134,3	13,7	61
01.G32VE4140G	14	97	171,3	17,5	182,7	18,6	83
01.G32VE4150G	15	112	196,7	20,0	209,8	21,4	95
01.G32VE4160G	16	127	223,8	22,8	238,7	24,3	108
01.G32VE4180G	18	161	283,2	28,9	302,1	30,8	137
01.G32VE4190G	19	179	315,6	32,2	336,6	34,3	152
01.G32VE4200G	20	198	349,7	35,6	373,0	38,0	169
01.G32VE4220G	22	240	423,1	43,1	451,3	46,0	204
01.G32VE4240G	24	285	503,5	51,3	537,0	54,7	243
01.G32VE4250G	25	310	546,4	55,7	582,7	59,4	263
01.G32VE4260G	26	361	591,0	60,2	630,3	64,2	285
01.G32VE4270G	27	389	637,3	64,9	679,7	69,3	307
01.G32VE4280G	28	417	685,4	69,8	731,0	74,5	330
01.G32VE4290G	29	487	735,2	74,9	784,1	79,9	354
01.G32VE4300G	30	446	786,8	80,2	839,1	85,5	379
01.G32VE4310G	31	476	840,1	85,6	896,0	91,3	405
01.G32VE4320G	32	507	895,2	91,2	954,8	97,3	431
01.G32VE4330G	33	540	952,0	97,0	1.015	103,5	459
01.G32VE4340G	34	573	1.011	103,0	1.078	109,8	487
01.G32VE4350G	35	607	1.071	109,1	1.142	116,4	516
01.G32VE4360G	36	642	1.133	115,5	1.208	123,1	546

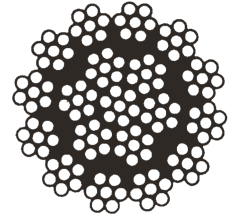


Rotation resistant wire 19x7

Main applications: Main- and auxiliary hoist line on mobile- and truck cranes. Often used as a single point line. Large lifting heights will require a tag line to prevent excessive spinning of the load. Smaller sizes (< 3/8") are sometimes used on overhead cranes.

NOT recommended for construction tower cranes.

Standard: EN 12385-4



Rope characteristic: Using the rope to its maximum fatigue life will cause the rope to deteriorate from the inside out. Sudden rope failures may be the result. For this reason we do not recommend this construction for tower cranes. There have been fatal and catastrophic accidents involving this rope construction because of undetected inner rope fatigue.

ISO 4309 Rope Category No: All Diameters **RCN.23-1.**



Art No 1960 N/mm ²	Nom. dia. mm	Steel area mm ²	Min. breaking force 1770 N/mm ²		Min. breaking force 1960 N/mm ²		Approx. weight kg/100m
			kN	tons	kN	tons	
01.G30133030G0	3	3,9	5,23	0,5			3,61
01.G30133040G0	4	6,93	9,3	0,9	10,3	1,1	6,42
01.G30133050G0	5	10,8	14,5	1,5	16,1	1,6	10,0
01.G30133060G0	6	15,6	20,9	2,1	23,1	2,4	14,4
01.G30133070G0	7	21,2	28,4	2,9	32	3,3	19,6
01.G30133080G0	8	27,7	37	3,8	41	4,2	25,7
01.G30133090G0	9	35,1	47	4,8	52	5,3	32,5
01.G30133100G0	10	43,3	58	5,9	64	6,5	40,1
01.G30133110G0	11	52,4	70	7,1	78	8,0	49
01.G30133120G0	12	62,4	84	8,6	93	9,5	58
01.G30133130G0	13	73,2	98	10	109	11,1	68
01.G30133140G0	14	84,9	114	11,6	126	12,8	79
01.G30133150G0	15	97,4	131	13,4	145	14,8	90
01.G30133160G0	16	111	149	15,2	165	16,8	103
01.G30133180G0	18	140	188	19,2	208	21,2	130
01.G30133200G0	20	173	232	23,7	257	26,2	160
01.G30133220G0	22	210	281	28,7	311	31,7	194
01.G30133240G0	24	249	334	34,1	370	37,7	231
01.G30133260G0	26	293	392	40,0	435	44,4	271
01.G30133228G0	28	339	455	46,4	504	51,4	314
01.G30133300G0	30	390	523	53,3	579	59,0	361
01.G30133320G0	32	443	594	60,6	658	67,1	411
01.G30133340G0	34	501	671	68,4	743	75,8	464
01.G30133360G0	36	561	752	76,7	833	84,9	520
01.G30133380G0	38	625	838	85,5	928	94,6	579
01.G30133400G0	40	693	929	94,7	1029	104,9	642

According to EN 12385-4 (DIN 3069)

Certlift 8F - Elevator

Features: Fibre core as lubrication reservoir, durable, smooth running and robust design.

Typical applications: For elevators.

Construction: 8x19 Seal + FC.

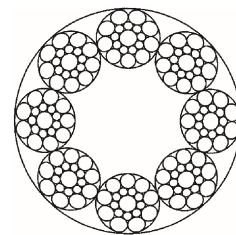
Design: Ordinary right hand lay.

Finish: Ungalvanized.

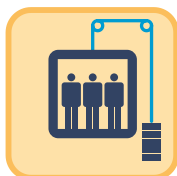
Fill factor: 0,435.

Standard: EN 12385-5.

Standard: EN 12385-5.



8X19 (9/9/1)Fibre core



Elevatorwire



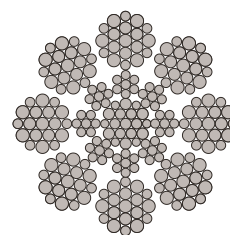
Art No	Rope Ø mm	Metallic cross section mm ²	Min. breaking force 1370/1770 N/mm ²		Weight kg % m ca.
			kN	tons	
01.B10152065M-S	6,5	-	22,4	2,28	15,3
01.B10152080M-S	8	22,6	28,1	2.81	21,8
01.B10152090M-S	9	28,6	35,6	3.56	27,5
01.B10152100M-S	10	35,3	44,0	4.00	34
01.B10152110M-S	11	42,7	53,2	5.32	41,1
01.B10152120M-S	12	50,9	63,3	6.33	49
01.B10152130M-S	13	59,7	74,3	7.43	57,5
01.B10152140M-S	14	69,2	86,1	8.61	66,6
01.B10152150M-S	15	79,5	99,0	9.90	76,5
01.B10152160M-S	16	90,4	113	11,3	87

Other Elevator Ropes

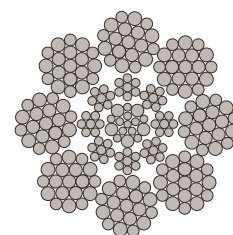
General: Beside the wide Certlift range, we also provide elevator ropes from other manufacturers such as Drako and Gustaf Wolf.

For instance we can provide the Drako 250T and Gustaf Wolf's PAWO F7S.

Standard: EN 12385-5.



PAWO F7S



Drako 250T



Elevatorwire

Open Wedge Socket acc. former DIN 15315

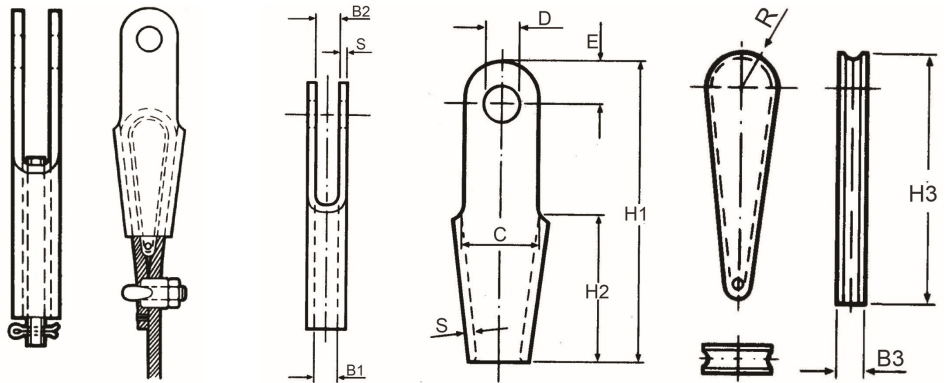
Typical application: For elevators.

Finish: Galvanized.

Standard: DIN 15315.



Note: Rope sockets acc. to DIN 15315 are not appropriate for ropes of more than 1770 N/mm².



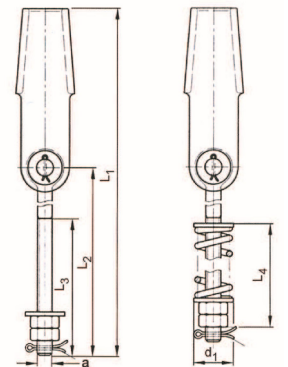
Art No	Size	Rope Ø mm	B1	B2	B3	C	D	E	H1	H2	H3	R	S	Weight kg
10.214830	8	6-8	12	14	11	37	12	20	150	75	92	12,5	4	0,57
10.214831	11	9-11	15	17	14	48	16	26	190	95	117	16	6	1,05
10.214832	14	12-14	20	22	18	58	18	32	230	115	141	19	8	1,89
10.214833	17	15-17	23	25	21	70	22	36	260	130	162	23	10	3,26
10.214834	20	18-20	26	27	24	82	25	40	300	150	186	26	12	5,25

Wedge Socket

Typical application: For elevators.

Finish: Galvanized.

Standard: DIN 15315.



Art No Type UM	Art No Type D	Size	Type UM				Type D			
			a	L1**	L2*	L3	Approx. weight kg	d1	L4	Approx. weight kg
10.215897	10.215899	8	M12	450	320	150	0,78	44	167	1,42
10.215903	10.215905	11	M16	484	320	150	1,65	44	173	2,49
10.215909	10.215911	14	M20	598	400	150	3,23	53	202	4,50
10.215915	10.215917	17	M24	674	450	150	5,30	65	248	8,15
10.215918	10.215920	20	M27	760	500	150	8,00	65	254	10,95

* Standard composition. ** Overall length during standard composition. Measurements in millimeters. The rope lock housing is galvanized.

Steel Wire Rope Slings

General: Steel wire rope slings are in most cases easier and less expensive than chain slings. Galvanised wire rope provides good protection against corrosion, in extreme environments stainless wire ropes can be used. For extremely heavy lifting wire rope slings are usually the best option.

Material/Design: For manufacturing of wire rope slings the rope grade shall be either 1770 or 1960 N/mm². In multi-leg slings the rope dimension and grade shall be the same for each leg. The working load limit of the lower terminal fitting(s) shall be at least equal to that of the leg(s) to which it is/they are fitted. Where a terminal fitting is used, the eye termination shall always be fitted with a thimble. For 3- and 4-leg slings a master link with intermediate link should be used.

Safety factor: 5:1.

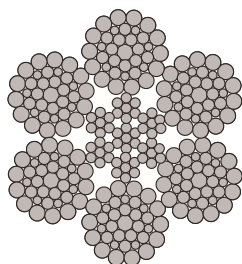
Standard: EN 13414-1



Note: EN 13414-1 is valid for diameter $\varnothing 8$ mm to $\varnothing 60$ mm

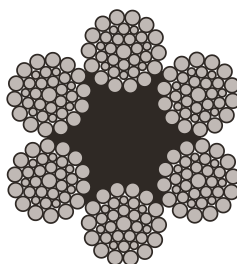


All slings can be equipped with RFID-chip



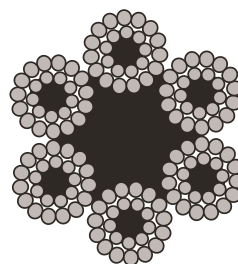
6x36IWRC

Standard sling and slings in heat



6x36-FC/216-wires

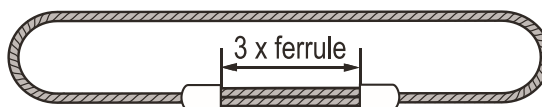
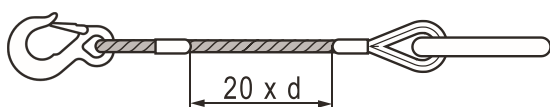
Standard sling



6x24-FC/144-wires

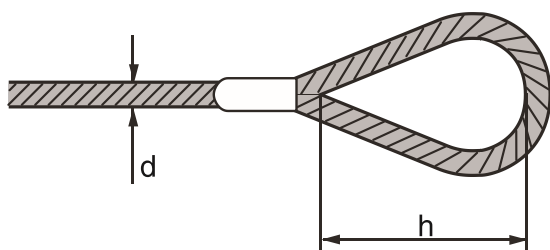
Shippings- and one way slings
 $\varnothing 8-18$ mm

Ferrule/Splicing



Soft Eye

The peripheral length (l) of a soft eye shall be at least four rope lay lengths. CERTEX apply as standard that the length (h) of the soft eye shall be at least 15 times the rope diameter.

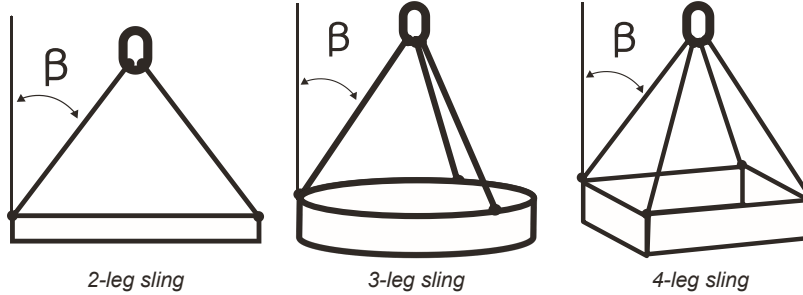


Multi Leg Slings

The working load limit of any master link shall be at least equal to that of the sling. The working load limit of any intermediate link fitted to a three-leg or four-leg sling shall be at least equal to 1,6 times the WLL of one of the legs suspended from it.



WARNING! When using the steel wire rope sling for projected lifting with an angle (β) less than 45° , the working load limit will increase. This shall be informed by the time of order.



2-leg sling

3-leg sling

4-leg sling

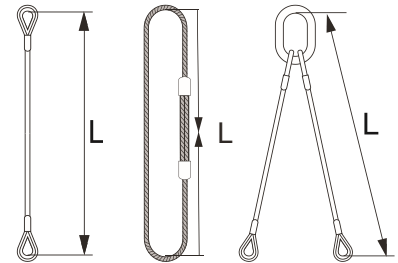
Length

The length (L) shall be that measured between the bearing points of the sling or the circumference length of an endless sling.

Single leg and endless slings

The measured length of a ferrule-secured sling shall not differ from the nominal length by more than two rope diameters or 1 % of the nominal length, whichever is the greater.

The measured length of a spliced sling shall not differ from the nominal length by more than four rope diameters or 2 % of the nominal length, whichever is the greater.



Where single leg slings are intended to be used as matched sets, the difference in length of matched sets of ferrule-secured eye slings shall not exceed the rope diameter, or 0,5 % of the nominal length, whichever is the greater.

Multi leg slings

The measured individual leg length of a ferrule-secured sling shall not differ from the nominal length of the sling by more than two rope diameters or 1 % of the nominal length, whichever is the greater.

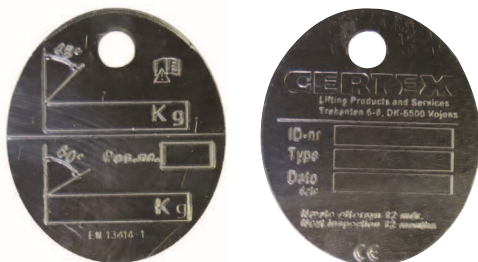
The difference in length between the individual legs of any multi-leg sling under no load shall not exceed 1,5 times the rope diameter or 0,5 % of the nominal length, whichever is the greater.

"Laid" (cable-laid) endless slings

The measured length for cable-laid grommets with diameter <61 mm the tolerance shall be $\pm 1d$ or 1% of the nominal length, whichever is the greater. For cable-laid grommets with diameter >65 mm the tolerance shall be $\pm 0,5d$ or 0,5% of the nominal length, whichever is the greater.

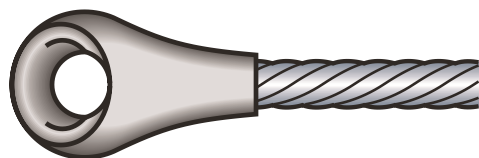
Marking

Each sling shall be provided with a marking plate or be marked in the ferrules (single leg and endless slings) with the manufacturer's identifying mark, working load limit (WLL), length, manufacturing date and CE marking.

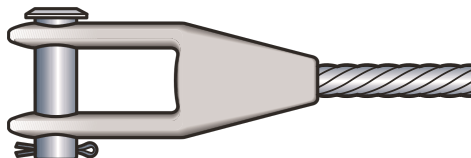


Wire Rope Fittings

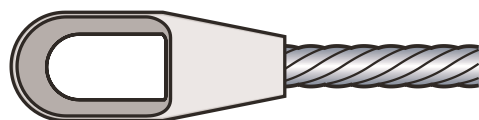
The most commonly used rope fittings with indication of remaining percentage of steel wire min breaking force.



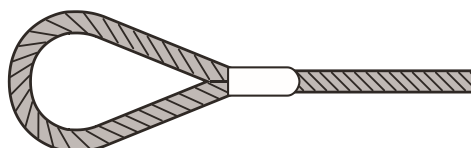
Pear socket
100 %



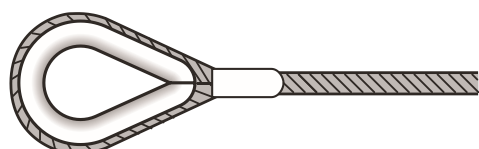
Spelter socket
100 %



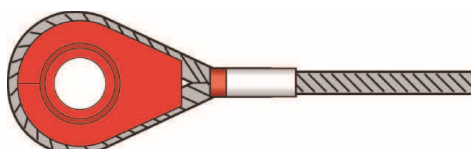
Wedge socket
100 %



Spliced eye with ferrule
90 %



Spliced eye with ferrule and thimble
90 %



Spliced eye with ferrule and solid thimble
90 %



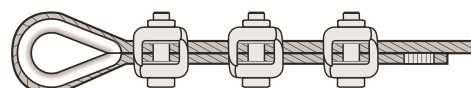
Threaded terminal
90 %



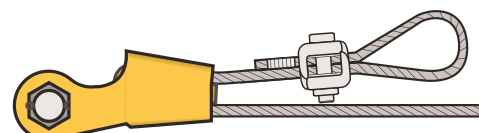
Eye terminal
90 %



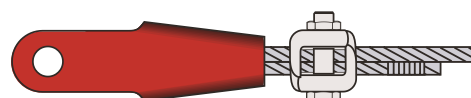
Clevis terminal
90 %



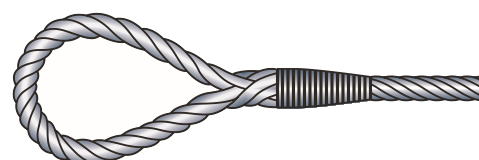
Wire rope clamp
80 %



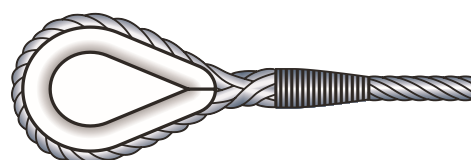
Wedge socket
80 %



Wedge socket for elevator
80 %



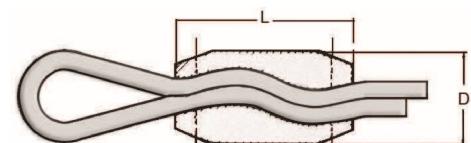
Hand spliced eye
80 %



Hand spliced eye with thimble
80 %



Endstop
Steel 90 %
Other 50 %



Eureka wirelock
80-99%

Dimensioning for Steel Wire Rope Slings

Working load limit (WLL) for steel wire rope sling

Single leg sling

$$WLL \text{ (ton)} = (F_{\min} \times K_T) / (Z_p \times g)$$

Endless sling (choke)

$$WLL \text{ (ton)} = (F_{\min} \times K_T \times 2 \times 0,8) / (Z_p \times g)$$

Multi-leg sling

$$WLL \text{ (ton)} = (F_{\min} \times K_T \times K_L) / (Z_p \times g)$$

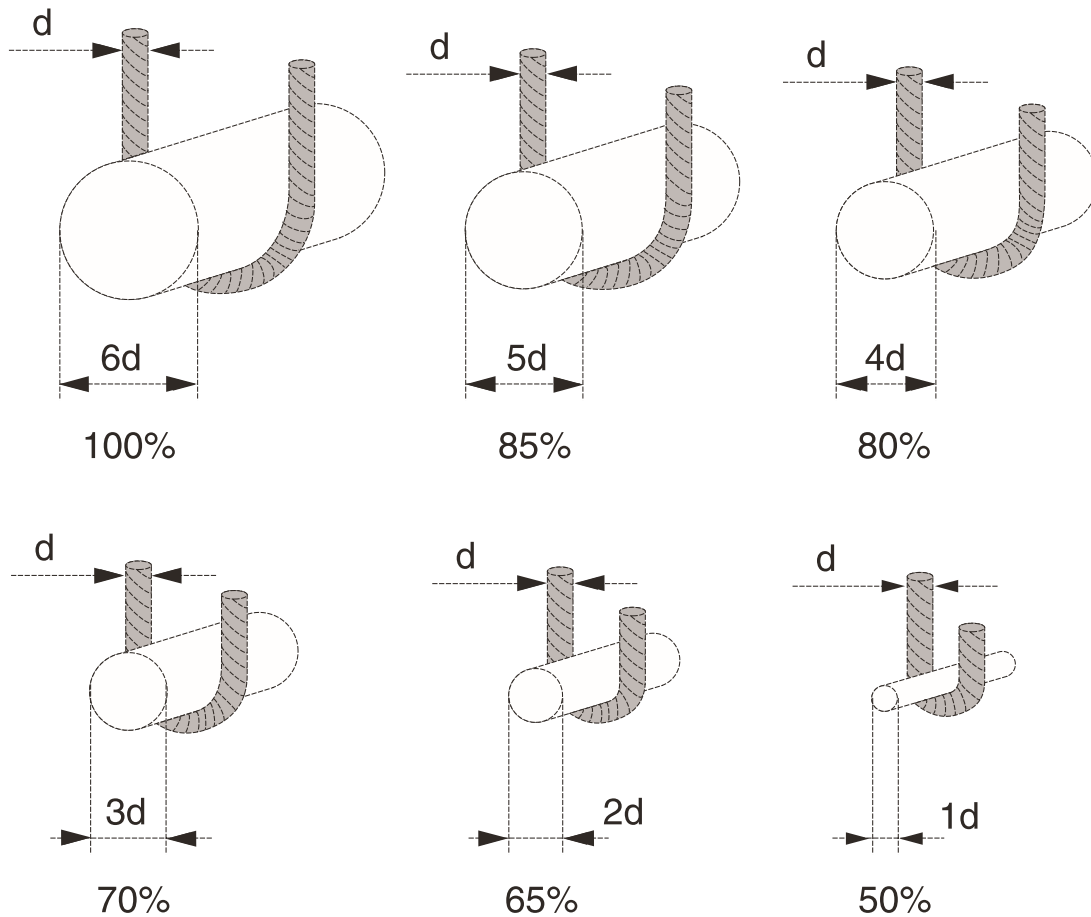
F_{\min} = the minimum breaking force of the rope, in kN.

K_T = factor for the efficiency of the termination, for ferrule 0,9 and for spliced 0,8.

K_L = the leg factor relating to the number of legs and the angle to the vertical, see WLL-table.

Z_p = the coefficient of utilization (working coefficient), with the value 5.




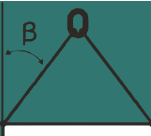
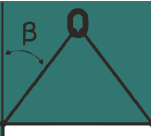
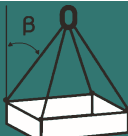
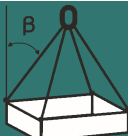



$g = 9,81$



Bending diameters effect on the working load limit (WLL)




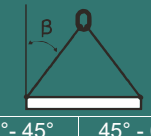
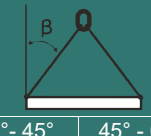
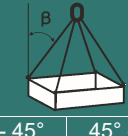
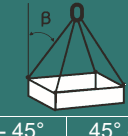



CERTEX recommends to take into account the fact, that the capacity of the slings will be lower, when the bending diameter decreases. For example, if the rope bends around a bearing point that has the same diameter as the rope itself, will have a carrying capacity reduce to half, see illustration.

Load diagram wire rope slings 6X36 FC 1960N/mm²

Angle of inclination Load factor	Single			2-leg sling		3- and 4-leg sling		Endless		
										
	1-leg	Laced	U-lift	0° - 45°	45° - 60°	0° - 45°	45° - 60°	1-leg	Laced	U-lift
mm	1	0,8	2	1,4	1	2,1	1,5	2	1,6	4
	WLL ton									
8	0,75	0,6	1,5	1,1	0,75	1,6	1,1	1,4	1,2	3,0
9	0,9	0,8	1,8	1,26	0,9	2,0	1,4	1,8	1,5	3,6
10	1,2	0,95	2,4	1,7	1,2	2,5	1,8	2,4	1,9	4,8
11	1,4	1,1	2,8	2,0	1,4	3,0	2,2	2,8	2,3	5,6
12	1,7	1,3	3,4	2,4	1,7	3,6	2,6	3,4	2,7	6,8
13	2,0	1,6	4,0	2,8	2,0	4,2	3,0	4,0	3,2	8,0
14	2,3	1,8	4,6	3,2	2,3	4,8	3,5	4,6	3,7	9,2
16	3,0	2,4	6,0	4,2	3,0	6,3	4,5	6,0	4,8	12,0
18	3,8	3,1	7,6	5,3	3,8	8,0	5,7	7,6	6,1	15,2
20	4,7	3,8	9,4	6,6	4,7	10,0	7,1	9,4	7,6	18,8
22	5,7	4,6	11,4	8,0	5,7	12,0	8,5	11,4	9,2	23,0
24	6,8	5,4	13,6	9,5	6,8	14,3	10,2	13,6	11,0	27,0
26	8,0	6,4	16,0	11,2	8,0	16,8	12,0	16,0	12,8	32,0
28	9,3	7,4	18,6	13,0	9,3	19,5	14,0	18,6	15,0	37,0
32	12,0	9,7	24,0	16,8	12,0	25,5	18,0	24,0	19,5	48,0
36	15,0	12,0	30,0	21,0	15,0	32,0	23,0	30,0	25,0	60,0
40	19,0	15,0	38,0	27,0	19,0	40,0	28,5	38,0	30,0	76,0

Safety factor 5:1 PN-EN 13414-1

Load diagram wire rope slings 6X36 IWRC 1960N/mm²

Inclination angle Load factor	Single			2-leg sling		3- and 4-leg sling		Endless		
										
	1-leg	Laced	U-lift	0° - 45°	45° - 60°	0° - 45°	45° - 60°	1-leg	Laced	U-lift
mm	1	0,8	2	1,4	1	2,1	1,5	2	1,6	4
	WLL ton									
8	0,8	0,65	1,6	1,15	0,8	1,7	1,2	1,6	1,3	3,2
9	1,05	0,8	2,1	1,45	1,05	2,2	1,8	2,1	1,7	4,2
10	1,3	1,0	2,6	1,8	1,3	2,7	1,9	2,6	2,0	5,2
11	1,5	1,2	3,0	2,2	1,5	3,3	2,3	3,0	2,5	6,0
12	1,8	1,4	3,6	2,6	1,8	3,9	2,8	3,6	3,0	7,2
13	2,2	1,8	4,4	3,0	2,2	4,5	3,2	4,4	3,5	8,8
14	2,5	2,0	5,0	3,5	2,5	5,3	3,8	5,0	4,0	10,0
16	3,3	2,6	6,6	4,6	3,3	6,9	4,9	6,6	5,2	13,2
18	4,1	3,3	8,2	5,8	4,1	8,7	6,2	8,2	6,6	16,4
20	5,1	4,1	10,2	7,2	5,1	10,7	7,7	10,2	8,2	20,4
22	6,2	5,0	12,4	8,7	6,2	13,0	9,3	12,4	10,0	24,8
24	7,4	5,9	14,8	10,3	7,4	15,5	11,1	14,8	11,8	29,6
26	8,7	7,0	17,4	12,1	8,7	18,2	13,0	17,4	13,8	34,8
28	10,0	8,0	20,0	14,0	10,0	21,0	15,0	20,0	16,0	40,0
32	13,0	10,4	26,0	18,4	13,0	27,5	19,7	26,0	21,0	52,0
36	16,6	13,3	33,0	23,0	16,6	35,0	25,0	33,0	26,5	66,0
40	20,5	16,4	41,0	29,0	20,5	43,0	31,0	41,0	33,0	82,0
44	25,0	20,0	50,0	35,0	25,0	52,0	37,0	50,0	40,0	100,0
48	29,5	23,6	59,0	41,0	29,5	62,0	44,0	59,0	47,0	118,0
52	35,0	28,0	70,0	48,0	35,0	73,0	52,0	70,0	55,0	140,0
56	40,0	32,0	80,0	56,0	40,0	84,0	60,0	80,0	64,0	160,0
60	46,0	37,0	92,0	65,0	46,0	97,0	69,0	92,0	74,0	184,0

Safety factor 5:1 PN-EN 13414-1

6x36 IWRC Warrington Seale

Typical applications: Crane rope, winch rope, mooring rope, wirerope slings.

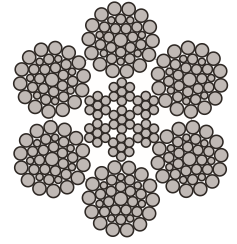
Construction: 6x36 IWRC Warrington Seale steel core.

Design: Ordinary right hand lay, ordinary left hand lay.

Finish: Galvanized/Ungalvanized.

ISO 4309 Rope Category No: All Diameters **RCN.09**.

Standard: EN 12385-4.



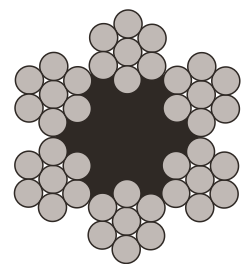
Art No	Rope Ø mm	Minimum breaking strength 1960 Grade		Weight kg/100m
		kN	tons	
01.G10265080G0	8	44,7	4,48	26,2
01.G10265090G0	9	56,5	5,67	33,1
01.G10265100G0	10	69,8	7,00	40,9
01.G10265110G0	11	84,4	8,47	49,5
01.G10265120G0	12	100	10,03	58,9
01.G10265130G0	13	118	11,84	69,1
01.G10265140G0	14	137	13,75	80,2
01.G10265160G0	16	179	17,96	105
01.G10265180G0	18	226	22,68	133
01.G10265200G0	20	279	28,00	164
01.G10265220G0	22	338	33,92	198
01.G10265240G0	24	402	40,35	236
01.G10265260G0	26	472	47,37	276
01.G10265280G0	28	547	54,90	321
01.G10265320G0	32	715	71,76	419
01.G10265360G0	36	904	90,73	530
01.G10265400G0	40	1.120	112,40	654
01.G10265440G0	44	1.350	135,49	792
01.G10265480G0	48	9.423	945,70	943
01.G10265520G0	52	11.059	1.109,89	1.111
01.G10265560G0	56	12.826	1.287,23	1.281

6x7+1 FC

Construction: 6x7+1 fibre core.

Design: Ordinary right hand lay, alternative design on request.

Standard: EN 12385-4.



Note: Not for lifting.



Art No	Rope Ø mm	Minimum breaking strength 1770 N/mm ²		Weight kg/100m
		kN	tons	
01.G10042020E	2,0	3,67	0,368	2,2
01.G10042030E	3,0	5,29	0,530	3,1
01.G10042040E	4,0	9,40	0,943	5,5
01.G10042050E	5,0	14,70	1,475	8,6
01.G10042060E	6,0	21,20	2,127	12
01.G10042070E	7,0	28,80	2,890	17
01.G10042080E	8,0	37,60	3,773	22

6x36 FC Warrington Seale

Typical applications: Crane rope, winch rope, mooring rope, wire rope slings.

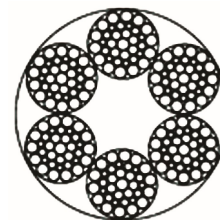
Construction: 6x36 FC Warrington Seale fibre core.

Design: Ordinary right hand lay, ordinary left hand lay.

Finish: Galvanized.

ISO 4309 Rope Category No: All Diameters RCN.09.

Standard: EN 12385-4.



Art No 1770 Grade	Rope Ø mm	Steel area mm ²	Minimum breaking strength				Weight kg/100m
			1770 Grade		1960 Grade		
			kN	tons	kN	tons	
01.G10216080E0	8	25,2	37,4	3,75	41,4	4,15	23,5
01.G10216090E0	9	31,8	47,3	7,74	52,4	5,26	29,7
01.G10216100E0	10	39,3	58,4	5,86	64,7	6,49	36,7
01.G10216110E0	11	47,6	70,7	7,10	78,3	7,86	44,4
01.G10216120E0	12	56,6	84,1	8,44	93,1	9,34	52,8
01.G10216130E0	13	66,4	98,7	9,91	109	10,94	62,0
01.G10216140E0	14	77,0	114	11,44	127	12,75	71,9
01.G10216160E0	16	101	150	15,05	166	16,66	94
01.G10216180E0	18	127	189	18,97	210	21,08	119
01.G10216200E0	20	157	234	23,49	259	25,99	147
01.G10216220E0	22	190	283	28,40	313	31,41	178
01.G10216240E0	24	226	336	33,72	373	37,44	211
01.G10216260E0	26	266	395	39,64	437	43,86	248
01.G10216280E0	28	308	458	45,97	507	50,88	288
01.G10216320E0	32	402	598	60,02	662	66,44	376
01.G10216360E0	36	509	757	75,97	838	84,10	476
01.G10216400E0	40	629	935	93,84	1.040	104,38	587
01.G10216440E0	44	761	1.130	113,41	1.250	125,45	711

6x19-FC

Features: Quality six strand sling and general purpose rope.

High strength.

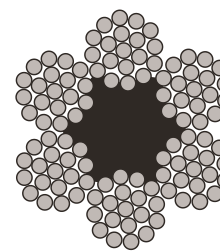
Consistent bending fatigue performance.

Material: High Carbon Steel.

Finish: Galvanised.

ISO 4309 Rope Category No: All Diameters RCN.02

Standard: EN 12385-4.



6x19-FC



Art No	Rope Ø mm	Steel area mm ²	Minimum breaking force		Weight kg/100m
			1770 N/mm ²	180 kp/mm ²	
			kN	kp	
01.G10114030E	3	3,21	4,89	449	3,1
01.G10114040E	4	5,71	8,69	887	5,5
01.G10114050E	5	8,93	13,6	1385	8,7
01.G10114060E	6	12,9	19,6	1995	13,0
01.G10114070E	7	17,5	26,6	2715	17,0
01.G10114080E	8	22,8	34,8	3812	22,1
01.G10114090E	9	28,9	44,0	4824	28,0

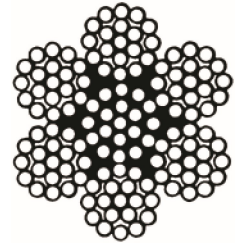
6x19M+WSC (7x19)

Construction: Steel wire rope 6x19M+WSC (7x19). Aircraft cable.

Finish: Galvanized.

1960 N/mm² (200kp/mm²).

Standard: EN 12385-4.



Art No	Dia. mm	Minimum breaking load 200 kp/mm ²	Weight kg/m
01.G10133024G	2,4	381	0,0219
01.G10133030G	3,0	595	0,0342
01.G10133040G	4,0	1.059	0,0609
01.G10133050G	5,0	1.650	0,0952
01.G10133060G	6,0	2.381	0,138
01.G10133063G	6,35	2.667	0,155
01.G10133070G	7,0	3.245	0,187
01.G10133080G	8,0	4.230	0,243
01.G10133090G	9,0	5.360	0,308
01.G10133096G	9,6	6.100	0,350
01.G10133100G	10	6.611	0,381

Steel wire rope, PVC Coated

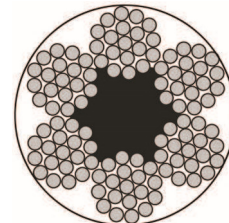
Construction: 7x19.

Design: Right regular lay, alternate versions on request.

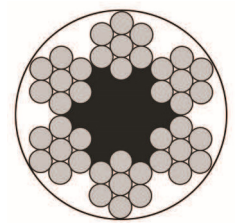
Finish: Galvanized, transparent PVC coated.

Fill factor: 0,57.

Standard: EN 12385-4.



6x19+FC



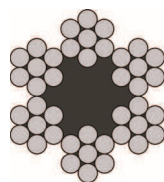
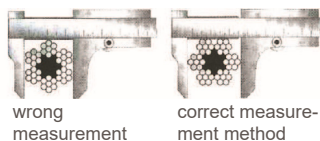
6x7+FC



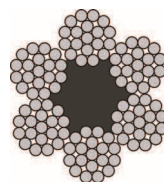
Art No 6X7+FC	Dia mm	Weight kg/m	6X7+FC Breaking load 180 kp/mm ²	Weight kg/m	6X19+FC Breaking load 180 kp/mm ²
01.G60042025E	1,5/2,5	0,012	120		
01.G60042030E	2/3	0,021	239		
01.G60042040E	3/4	0,041	538		
01.G60042050E	4/5	0,069	957		
01.G60042055E	4/6	0,083	957		
01.G60042060E	5/6	0,100	1.500		
01.G60042080E	6/8			0,161	1.990
01.G60114100E	8/10			0,255	3.540
01.G60114120E	10/12			0,346	5.530

Steel wire ropes with fiber core - general quality

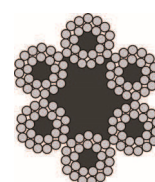
- available on plastic spools, as custom lengths or on wooden spools as factory lengths
- hot dip galvanized



6x7+FC



6x19+FC



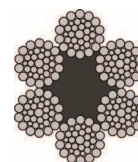
6x24+FC

Wire diam. mm	Min. tensile breaking strength kg	Structure	No. of wires	Weight kg/100 m	Product codes Reel size in parenthesis
1,0	95	-	12	0,7	TEK01100 (110m) / TEK01 (250m)
1,5	120	-	42	1,1	TEK015100 (110m) / TEK015 (250m)
2,0	240	-	42	1,4	TEK02100 (110m) / TEK02 (250m)
3,0	540	6x7+FC	42	3,1	TEK03100 (110m) / TEK03 (220m)
4,0	950	6x7+FC	42	5,6	TEK04100 (110m) / TEK04 (250m)
5,0	1380	6x19+FC	114	8,5	TEK05100 (110m) / TEK05 (250m)
6,0	2000	6x19+FC	114	12,2	TEK06100 (110m) / TEK06 (250m)
8,0	3550	6x24+FC	144	23,3	TEK0850 (50m) / TEK08 (110m)
10,0	5060	6x24+FC	144	32,2	TEK1050 (50m) / TEK10 (110m)
12,0	7280	6x24+FC	144	46,4	TEK1250 (50m) / TEK12T (1100m)
14,0	9910	6x24+FC	144	63,1	TEK1450 (50m) / *TEK14T (1100m)
16,0	13000	6x24+FC	144	82,4	*TEK16 (1000m)
18,0	16400	6x24+FC	144	104,0	*TEK18 (1000m)
20,0	22200	6x24+FC	144	145,0	*TEK20 (1000m)
22,0	26800	6x24+FC	144	176,0	*TEK22 (1000m)

*Items marked with an asterisk delivery time 5-7 days

Steel wire ropes with fiber core - 216 wires

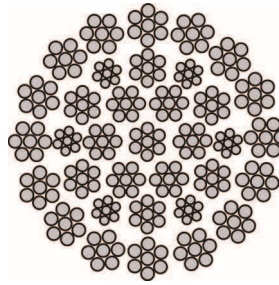
- available as custom lengths or on wooden spools as factory lengths
- hot dip galvanized
- used in e.g. lifting slings, bridge cranes, ship cranes, lifeboats etc.
- also other sizes available



Wire diam. mm	Min. tensile breaking strength kg	Structure	No. of wires	Weight kg / 100 m	Product code
8	3710	6x36+FC	216	23,7	TEK21608
10	5950	"	"	37,1	TEK21610
12	8570	"	"	53,4	TEK21612
14	11600	"	"	72,7	TEK21614
16	15200	"	"	94,9	TEK21616
18	19200	"	"	120,0	TEK21618
20	23800	"	"	148,0	TEK21620
22	28800	"	"	179,0	TEK21622
24	34300	"	"	214,0	TEK21624
26	40200	"	"	251,0	TEK21626
28	46700	"	"	291,0	TEK21628
30	53600	"	"	334,0	TEK21630
32	61000	"	"	380,0	TEK21632

Non-rotating steel wire ropes with steel core - 245 wires

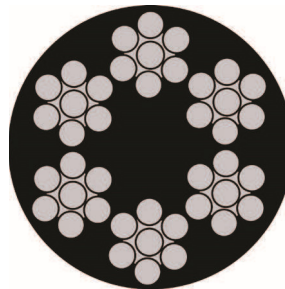
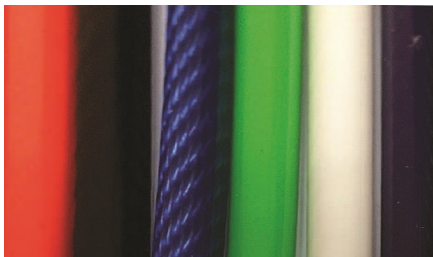
- available as custom lengths
- hot dip galvanized
- used in car cranes, other cranes and winches



Wire diam. mm	Min. tensile breaking strength kg	Structure	No. of wires	Weight kg / 100 m	Product code
8	5500	35x7	245	31	ANKO08
10	7600	"	"	45	ANKO10
12	10800	"	"	64	ANKO12
14	14900	"	"	89	ANKO14
16	19600	"	"	116	ANKO16
18	24500	"	"	145	ANKO18
19	28000	"	"	165	ANKO19
20	30400	"	"	180	ANKO20
22	37500	"	"	222	ANKO22

Plastic coated steel wire ropes

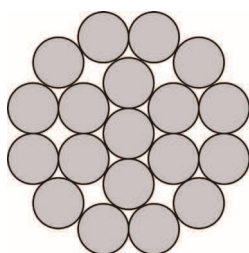
- also as factory lengths
- steel wire rope hot dip galvanized
- standard plastic color is clear see-through
- also available in other colors, e.g. red, white and black



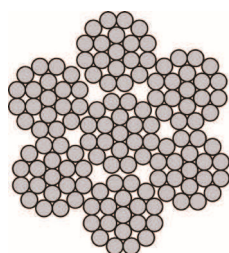
Wire diam. mm	Min. tensile breaking strength kg	Structure	No. of wires	Weight kg / 100 m	Product code reel size 110 m	Product code reel size 250 m
2 / 3	240	6x7+FC	42	1,5	TKP23100	TKP23
3 / 4	540	"	"	3,1	TKP34100	TKP34
3 / 5	540	"	"	3,5	TKP35100	TKP35
4 / 6	960	"	"	6,2	TKP46100	TKP46
5 / 7	1380	6x19+FC	114	9,5	TKP57	-
6 / 8	2160	"	"	13,8	TKP68100	-

Stainless steel wire ropes

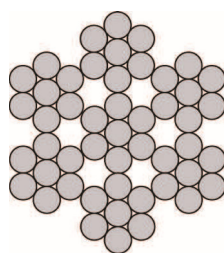
- material AISI 316



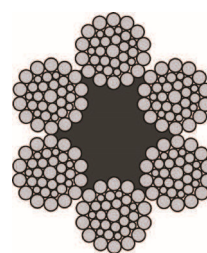
1x19



6x19+IWS



6x7+IWS



6x36+FC

Wire diam. mm	Min. tensile breaking strength kg	Structure	No. of wires	Weight kg / 100m	Reel sizes m	Product codes reel size 100 m	Product codes reel size 50 m
1	95	1x19	19	0,7	100/50	TEK01HK	TEK01HK50
2	260	6x7+IWS	49	1,4	100/50	TEK02HK	TEK02HK50
3	580	6x7+IWS	49	3,4	100/50	TEK03HK	TEK03HK50
4	1040	6x19+IWS	133	5,6	100/50	TEK04HK	TEK04HK50
5	1320	6x19+IWS	133	8,5	100/50	TEK05HK	TEK05HK50
6	1910	6x19+IWS	133	12,2	100/50	TEK06HK	TEK06HK50
8	3390	6x19+IWS	133	23,3	100/50	TEK08HK	TEK08HK50
10	5310	6x19+IWS	133	32,2	custom/50	*TEK10HK	TEK10HK50
12	7590	6x19+IWS	133	46,4	custom	*TEK12HK	-
14	10300	6x19+IWS	133	68,0	custom	*TEK14HK	-
16	13600	6x19+IWS	133	86,0	custom	*TEK16HK	-
20	20700	6x36+FC	216	148,0	custom	*TEK20HK	-

*Items marked with an asterisk delivery time 1-2 weeks



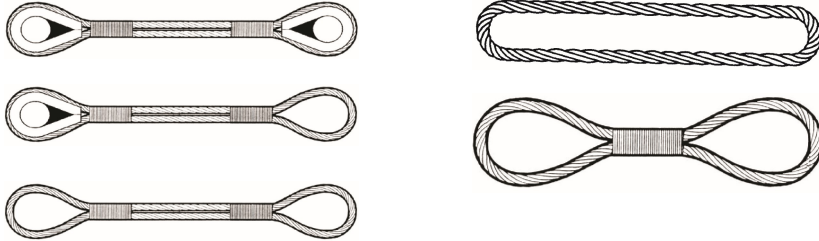
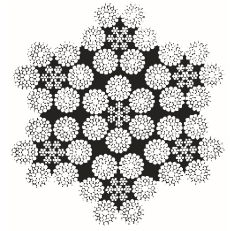
Grommet

General: Cable layed grommets can be used in all types of lifting operations. They come in different lengths and designs. This design gives great flexibility.

Cablelaid grommets: 7x6x36WS-CW EN 13414-3.

Breaking load: 1960 N/qmm².

Standard: EN 13414-3.



Diameter Ø mm	WLL ton	Wire Ø mm	Minimum circ. m	Minimum breaking force kN	Weight kg/m
30	15,369	10	1,05	753,581	3,068
33	18,596	11	1,16	911,833	3,712
36	22,131	12	1,26	1,085,156	4,417
39	25,973	13	1,37	1,273,552	5,184
42	30,123	14	1,47	1,477,018	6,012
48	39,344	16	1,68	1,929,167	7,853
54	49,795	18	1,89	2,441,602	9,939
60	61,475	20	2,10	3,014,323	12,270
66	76,245	22	2,31	3,647,331	14,847
72	93,262	24	2,52	4,340,625	17,669
78	112,584	26	2,73	5,094,206	20,736
84	134,417	28	2,94	5,908,073	24,049
90	158,987	30	3,15	6,782,227	27,608
96	186,553	32	3,36	7,716,667	31,411
102	217,405	34	3,57	8,711,394	35,460
108	251,871	36	3,78	9,766,407	39,755
114	290,326	38	3,99	10,881,707	44,295
120	333,198	40	4,20	12,057,293	49,080
126	380,980	42	4,41	13,293,165	54,111
132	434,237	44	4,62	14,589,324	59,387
138	493,630	46	4,83	15,945,770	64,908
144	559,925	48	5,04	17,362,502	70,675
150	634,025	50	5,25	18,839,520	76,688
156	692,619	52	5,46	20,376,825	82,945



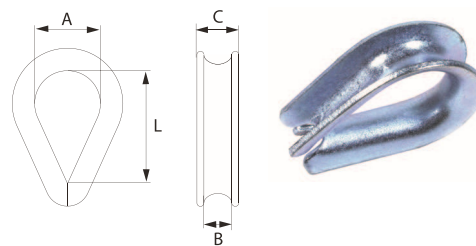
Thimble

General: Protection of cable loops.

Design: Pressed of profile steel.

Finish: Galvanized.

Standard: DIN 6899B.



Art No	Art No	Code	Rope Ø mm	A	L	B	C	Weight kg/100
02.201603	10.25B689902	KOU02	2	12	19	3	6	0,5
02.201604	10.25B689903	KOU03	3	13	21	4	7,4	0,8
02.201605	10.25B689904	KOU04	4	14	23	5	8,8	1
02.201606	10.25B689905	KOU05	5	16	25	6	10,7	1,6
02.201607	10.25B689906	KOU06	6	18	28	7	11,8	1,9
02.201608	10.25B689907	KOU07	7	20	32	8	12,8	3
02.201610	10.25B689909	KOU09	9	24	38	10	15	4,7
02.201612	10.25B689911	KOU11	11	28	45	12	18,6	6,8
02.201614	10.25B689913	KOU13	13	32	51	14	23,2	10
02.201616	10.25B689915	KOU15	15	36	58	16	23,9	15
02.201617	10.25B689916	KOU16	16	40	64	18	24,6	20
02.201619	10.25B689918	KOU18	18	45	72	20	28,7	29
02.201621	10.25B689920	KOU20	20	50	80	22	32,8	32
02.201623	10.25B689922	KOU22	22	56	90	24	34,9	47
02.201625	10.25B689924	KOU24	24	62	99	26	37,6	59
02.201627	10.25B689926	KOU26	26	70	112	28	37,7	80
02.201629	10.25B689928	KOU28	28	75	120	30	40	110
02.201631	10.25B689930	KOU30	30	80	128	32	43	123

Thimble Heavy Duty G-6142

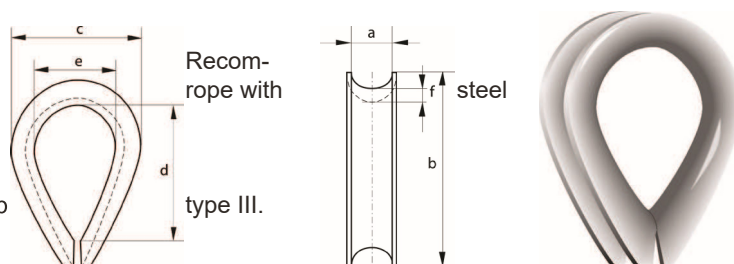
General: Heavy duty thimble for protection of steel wire. mended for rotation resistant steel wire rope and steel wire core.

Material: Mild steel.

Finish: Hot dipped galvanized.

Standard: Generally to US Federal Specification FF-T-276b

Standard: EN 13411-1.



VAN BEEST 

Art No	Rope dia mm	a	b	c	d	e	f	Weight kg/100 pcs.
10.25KCUS3060	6	7	55,5	38	41	22	1,6	2,7
10.25KCUS3080	8	9	63,5	46	47,5	27	2	5,1
10.25KCUS3100	9	11	73	54	54	28,5	2,8	9,1
10.25KCUS3110	11	12	82,5	60	60	32	3,2	13,9
10.25KCUS3120	13	13,5	92	70	70	38	3,6	19,9
10.25KCUS3140	14	15	92	68	70	38	3,6	20,5
10.25KCUS3160	16	16,5	108	79	82,5	44,5	4	29,8
10.25KCUS3190	19	20	127	97	95	51	5,5	60,8
10.25KCUS3220	22	24	140	108	108	57	5,5	80,4
10.25KCUS3250	25	27	156	125	114	63,5	6,3	109
10.25KCUS3280	28-32	30	178	149	130	73	6,3	147
10.25KCUS3320	32-35	33	205	172	159	89	12,7	366
10.25KSUS3350	35-38	36,5	229	181	165	89	12,7	478
10.25KSUS3420	41	43,5	286	206	203	102	12,7	731
10.25KSUS3450	45	47	310	216	229	114	12,7	778
10.25KSUS3480	48-51	50	384	264	305	152	12,7	1.150
10.25KSUS3560	57	59,5	435	302	356	178	12,7	1.935
10.25KSUS3640	664	66	464	311	378	178	19	2.640
10.25KSUS3750	76	78,5	514	356	419	200	19	3.850

Solid Thimble S-412

Features: Greater protection against wear and deformation of the wire rope eye giving longer service life.

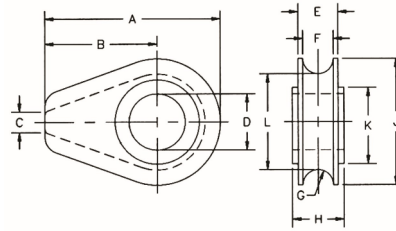
Fits pin for open wire socket, boom pendant clevis and wedge socket.

Material: Steel.

Marking: Manufacturer's symbol.

Finish: Painted.

Standard: Meets the performance requirements of BSEN 13411-1.



Crosby

Art No	Rope dia.		Dimensions (mm)											Weight kg
	(in.)	mm	A	B	C	D	E	F	G	H	J	K	L	
10.271037121	1/2	13	71.5	44.5	6.35	26.9	19.1	14.2	7.1	22.4	54	41.4	39.6	0.28
10.271037149	5/8	16	119	76	9.65	33.3	26.9	20.6	10.4	28.7	86	57	65	1
10.271037167	3/4	18-20	119	76	9.65	38.1	26.9	20.6	10.4	35.1	86	57	65	1.05
10.271037185	7/8	22	154	97	12.7	44.5	35.1	26.9	13.5	41.4	114	82.5	87.5	2.47
10.271037201	1	24-26	154	97	12.7	54	35.1	26.9	13.5	46	114	82.5	87.5	2.38
10.271037229	1 1/8	28-30	184	116	16	60.5	44.5	33.3	16.8	52.5	137	98.5	103	4.21
10.271037247	1 1/4 - 13/8	32 -35	184	116	16	67	49.3	38.9	19.8	58.5	137	98.5	105	4.45

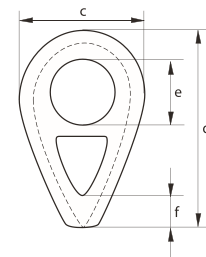
Solid Thimble S-6134

Material: Cast mild steel, (GTW 40).

Certification: A works certificate can be supplied upon request.

Finish: Self coloured.

Standard: According to DIN 3091.



Art No	Rope Ø mm	a	b	c	d	e	e	f	Weight kg/100 pcs.
		mm	mm	mm	mm	mm	mm		
10.27KSD91080	8	9	15	40	66	14	20	-	14
10.27KSD91100	10	11	17.5	50	82	18	25	-	21
10.27KSD91120	12	13	20	60	98	21	30	-	39
10.27KSD91140	14	16	23.5	70	114	25	35	-	73
10.27KSD91160	16	18	26	80	130	28	40	16	83
10.27KSD91180	18	20	28.5	90	145	31	45	18	113
10.27KSD91200	20	22	31	100	161	35	50	20	148
10.27KSD91220	22	24	33.5	110	177	38	55	22	193
10.27KSD91240	24	26	36	120	193	41	60	24	254
10.27KSD91260	26	29	39.5	130	209	44	65	26	355
10.27KSD91280	28	31	42	140	224	47	70	28	387
10.27KSD91320	32	35	47	160	256	53	80	32	437
10.27KSD91360	36	40	53	180	288	59	90	36	870
10.27KSD91400	40	44	58	200	320	65	100	40	1.300
10.27KSD91440	44	48	63	220	352	70	110	44	1.700
10.27KSD91480	48	53	69	240	384	76	120	48	2.000
10.27KSD91520	52	57	74	260	416	81	130	52	2.500
10.27KSD91560	56	62	80	280	448	86	140	56	3.200
10.27KSD91640	64	70	90	320	512	95	160	64	4.600
10.27KSD91720	72	79	101	360	576	104	180	72	6.600
10.27KSD91800	80	88	112	400	640	112	200	80	9.000

Open wedge socket OWS

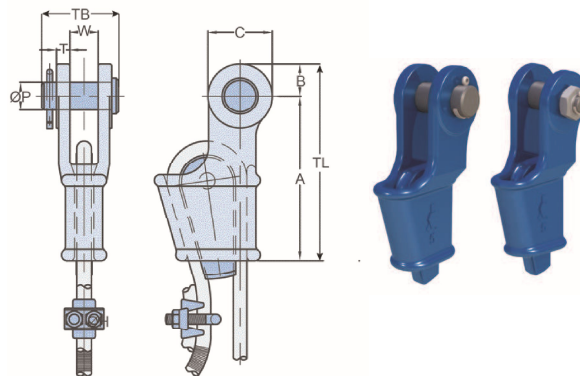
General: Intended for attaching of wire rope where switching often occur, e.g. blocks of mobile cranes, or to be able to adjust the length of the wire rope. See recommended assembly to get correct results.

Design: The wedge socket is delivered complete.

Material: Cast alloy steel with high mechanical properties.

Marking house and wedge: Wire \varnothing mm.

Finish: Blue painted or hot dip galvanized (OWS 0.25 to 0.5 is standard delivered with galvanized finish) / Pin or bolt.



Note: The efficiency of a 6 and 8 strand wire rope/wedge socket connection is 80% of the minimum breaking load of the wire but limited to the minimum breaking load of the socket (MBL).

The dead end should have a length of 6 times the wire dia. with a minimum of 150mm.



Art No	Code	MBL tons	Rope \varnothing mm	A	B	C	\varnothing P mm	T	TB	TL	W	Weight kg
10.20OWS0025PGAL	OWS 0,25 P	8	7-8	110	18	36	16	9	51	128	18	0.8
10.20OWS005PGAL	OWS 0,5 P	12	9-10	145	23	46	20,6	11	63	165	20,5	1.7
10.20OWS01PGAL	OWS 1 P	20	11-13	146	28,5	57	25	12	67	174,5	25	2.1
10.20OWS02PGAL	OWS 2 P	25	14-16	176	35	70	30	15	85	211	31	4
10.20OWS03PGAL	OWS 3 P	40	18-19	210	40	80	35	16	95	250	38	7
10.20OWS04PGAL	OWS 4 P	55	20-22	237,5	47,5	95	41	18	110	285	44	10
10.20OWS05PGAL	OWS 5 P	75	24-26	275	55	110	51	22	128	330	51	15
10.20OWS06PGAL	OWS 6 P	90	27-29	310	65	130	57	25	142	375	57	21
10.20OWS07PGAL	OWS 7 P	110	30-32	350	73	146	64	28	155	423	63	31
10.20OWS08PGAL	OWS 8 P	125	34-36	400	74	148	64	28	160	474	70	37
10.20OWS09PGAL	OWS 9 P	150	37-39	450	80	142	70	30	177	530	77	51
10.20OWS10PGAL	OWS 10 P	170	40-42	500	87	160	76	33	187	587	76	64
10.20OWS11PGAL	OWS 11 P	225	43-48	550	100	186	89	39	215	650	89	96
10.20OWS12PGAL	OWS 12 P	280	49-52	640	105	205	95	46	244	745	101	130
10.20OWS13PGAL	OWS 13 P	360	54-58	660	125	250	108	54	275	785	114	180
10.20OWS14PGAL	OWS 14 P	425	60-68	835	135	270	121	60	300	970	127	275
10.20OWS15PGAL	OWS 15 P	460	72-76	1.000	150	300	133	76	355	1.150	146	440
10.20OWS16PGAL	OWS 16 P	625	81-86	1.100	150	300	140	79	375	1.250	159	510

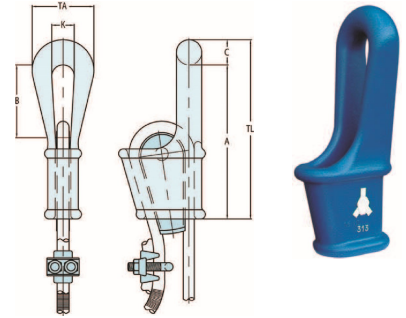
Closed Wedge Socket CWS

General: Intended for attaching of wire rope where switching often occur, e.g. blocks of mobilecranes, or to be able to adjust the length of the wire rope. See recommended assembly to get correct results. The wedge socket is delivered complete.

Material: Cast alloy steel with high mechanical properties.

Marking house and wedge: Wire \varnothing mm.

Finish: Blue painted or hot dip galvanized.



Note: The efficiency of a 6 and 8 strand wire rope/wedge socket connection is 80% of the minimum breaking load of the wire but limited to the minimum breaking load of the socket (MBL).



Important: Follow the fitting instructions for the wire clamps, see technical information.



Art No	Code	MBL tons	For wire \varnothing mm	A	B	C	K	TA	TL	Weight kg
10.20CWS303GAL	CWS 303	40	18-19	220	100	34	40	90	254	7
10.20CWS304GAL	CWS 304	55	20-22	225	225	42	47	110	267	9
10.20CWS305GAL	CWS 305	75	24-26	290	130	50	55	125	340	14
10.20CWS306GAL	CWS 306	90	27-29	325	145	60	70	152	385	22
10.20CWS307GAL	CWS 307	110	30-32	360	160	68	75	165	428	30
10.20CWS308GAL	CWS 308	125	34-36	400	180	68	75	165	468	38
10.20CWS309GAL	CWS 309	150	37-39	500	240	72	80	185	572	49
10.20CWS310GAL	CWS 310	170	40-42	600	310	80	90	210	680	65
10.20CWS311GAL	CWS 311	225	43-48	640	325	90	100	225	730	100
10.20CWS312GAL	CWS 312	280	49-52	720	375	100	110	245	820	150
10.20CWS313GAL	CWS 313	360	54-58	775	400	110	120	265	885	175
10.20CWS314GAL	CWS 314	425	61-64	900	470	120	130	290	1.020	230
10.20CWS315GAL	CWS 315	460	72-76	1.000	500	130	150	330	1.130	300
10.20CWS316GAL	CWS 316	625	81-86	1.125	550	135	165	360	1.260	425

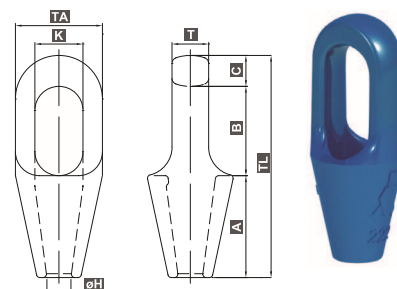
Closed Spelter Socket CSS

Features: Spelter socket generates the wire rope breaking load 100%.

Material: High-strength steel.

Finish: Galvanized or painted blue.

Safety factor: 5:1.



Art No	Rope Ø mm	MBL tons	A	B	C	ØH mm	K	T	TA	TL	Weight kg
10.10CSS296.GAL	6-7	8	50	40	11	9,1	22	13	37	101	0,3
10.10CSS297.GAL	8-10	12	57	48	14	12,6	25	18	43	119	0,5
10.10CSS298.GAL	11-13	20	64	59	17,5	14,6	30	23	51	140	0,7
10.10CSS299.GAL	14-16	25	76	65	21	18,1	36	26	67	162	1,4
10.10CSS200.GAL	18-19	40	89	78	27	21,9	42	32	76	194	2,2
10.10CSS201.GAL	20-22	55	101	90	33	24,9	47	38	92	224	3,8
10.10CSS204.GAL	23-26	75	114	103	36	28,8	57	44	104	253	5,4
10.10CSS207.GAL	27-30	90	127	116	39	32,9	65	51	114	282	7
10.10CSS212.GAL	31-36	125	139	130	43	39,2	71	57	126	312	10
10.10CSS215.GAL	37-39	150	152	155	51	42,5	81	63	136	358	13
10.10CSS217.GAL	40-42	170	165	171	54	45,5	83	70	146	390	17
10.10CSS219.GAL	43-48	225	190	198	55	52,5	93	76	171	443	26
10.10CSS222.GAL	49-54	280	216	224	62	59,1	100	82	193	502	37
10.10CSS224.GAL	55-60	360	228	247	73	65,1	112	92	216	548	50

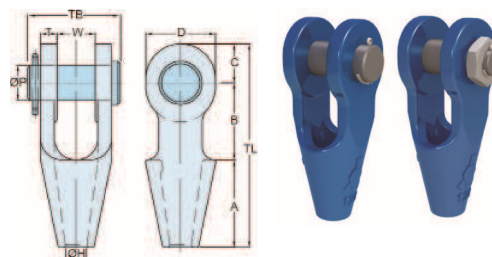
Open Spelter Socket OSS

Features: Spelter socket generates the wire rope breaking load 100%.

Material: High-strength steel.

Finish: Galvanized or painted blue.

Safety factor: 5:1.



Art No	Rope Ø mm	Strand Ø mm	A	B	C	D	ØH mm	ØP mm	T	TL	TB	W	Weight (P) kg
10.10OSS196P.GAL	6-7		50	40	19	34	9	16	9	109	51	19	0,4
10.10OSS197P.GAL	8-10		57	45	22	42	13	20	11	124	63	21	0,7
10.10OSS198P.GAL	11-13		64	51	27	50	15	25	12	142	67	25	1,0
10.10OSS199P.GAL	14-16	13	76	63	32	58	18	30	14	171	85	32	1,8
10.10OSS100P.GAL	18-19	14-16	89	76	40	70	22	35	16	205	95	38	3,0
10.10OSS104P.GAL	20-22	18-19	101	89	45	80	25	41	19	235	110	44	4,6
10.10OSS108P.GAL	23-26	20-22	114	101	60	104	29	51	22	275	128	51	8
10.10OSS111P.GAL	27-30	23-26	127	114	65	114	33	57	25	306	142	57	11
10.10OSS115P.GAL	31-36	27-28	139	127	72	126	39	63	28	338	155	63	15
10.10OSS118P.GAL	37-39	30-32	152	162	80	142	42	70	30	394	177	76	22
10.10OSS120P.GAL	40-42	33-35	165	165	88	156	45	76	33	418	187	76	27
10.10OSS125P.GAL	43-48	36-40	191	178	100	176	52	89	39	469	215	89	41
10.10OSS128P.GAL	49-54	42-45	216	228	108	194	59	95	45	552	244	101	60
10.10OSS130P.GAL	55-60	46-48	229	254	120	210	64	108	53	603	275	113	88
10.10OSS132P.GAL	61-68	50-54	248	273	133	236	75	121	60	654	300	127	118
10.10OSS135P.GAL	69-75	56-62	279	279	138	240	81	127	73	696	335	133	155
10.10OSS138P.GAL	76-80	64-67	305	286	146	252	88	133	76	737	355	146	186
10.10OSS140P.GAL	81-86	69-76	330	298	160	290	92	140	79	788	375	159	227
10.10OSS142P.GAL	87-93	78-86	356	318	178	320	99	152	83	852	400	171	283
10.10OSS144P.GAL	94-102	88-96	381	343	190	350	108	178	89	914	435	191	374
10.10OSS146P.GAL	108-115	98-110	450	480	215	400	129	195	100	1145	465	205	539
10.10OSS150P.GAL	120-130	112-124	500	500	250	450	147	220	110	1250	525	225	761

Also available with bolt and nut

Rope Pear Socket Nemag

General: The Nemag Rope Pear Socket is designed to, in combination with the Nemag Quick Release Link, smoothly pass over cable sheaves. The life span of the Nemag Rope Pear Socket generally surpasses that of the steel wire rope.

The Rope Pear socket can be fitted by casting with a 2-component casting mass without the need for outside assistance, and ensures a strong connection.

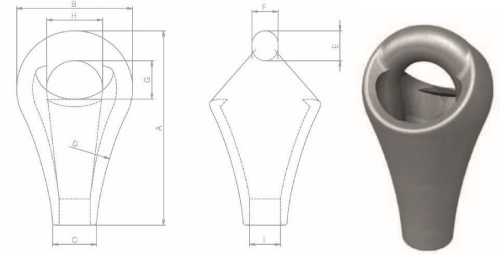
Nemag Rope Pear Sockets are suited to any type of steel wire rope.

Material: High grade casted steel.

Marking: Manufacturers mark, size and batch number.



Important: The specified capacities shown are for grab operation.



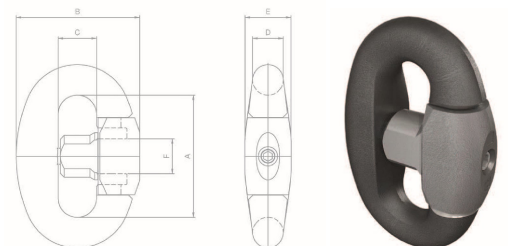
Art No	Pear size	Rope Ø mm	WLL tons*	MBL tons	A	B	C	D	E mm	F	G	H	I	Weight kg
10.10NRPS01	1	10-11	1,5	10	81	48	22	195	12	11,5	20	24	12	0,4
10.10NRPS02	2	12-13	2	14	95	56	25	195	15,5	13,5	22	25	14	0,5
10.10NRPS03	3	14-15	2,5	17,5	109	64	28	220	17,5	15,5	24	29	16	0,6
10.10NRPS04	4	16-17	3	22,5	123	70	31	220	19,5	17,5	26	31	18	0,9
10.10NRPS05	5	18-19	4,5	27,5	135	84	33	245	21	19	30	42	20	1,3
10.10NRPS06	6	20-21	5	35	152	84	36	310	23	21	33	38	23	1,7
10.10NRPS07	7	22-24	7	42,5	166	100	40	310	26	23	37	48	26	2,3
10.10NRPS08	8	25-27	8	52,5	186	100	43	350	28	25	39	44	29	3,2
10.10NRPS09	9	28-30	11	70	202	120	45	350	31	27	40	58	32	4,1
10.10NRPS10	10	31-33	13	85	222	120	52	445	32	28,5	45	56	35	5,2
10.10NRPS11	11	34-36	15	95	239	142	55	445	36	31,5	50	70	40	6,4
10.10NRPS12	12	37-39	17	110	264	142	60	495	39	34,5	51	64	41	7,9
10.10NRPS13	13	40-42	21	125	285	166	63	555	43	36,5	59	80	44	9,5
10.10NRPS14	14	43-45	26	155	312	166	68	595	47	40	62	72	48	11,2
10.10NRPS15	15	46-48	30	180	337	170	75	595	51	44	66	68	53	13,0
10.10NRPS17	17	52-56	42,5	240	400	220	84	880	60	54	75	90	59	23,0

* Working load is max. working load for grabbing operations. For other operations apply the min. safety factor 5.

Quick Release Link for Pear Socket Nemag

General: The Nemag Quick Release Link is for connecting sockets.

Material: High grade casted steel.



Art No	Link no	WLL tons	MBL tons	A	B	C	D	E	F	Weight kg
10.12NQRL04	4	3	25	76	76	24,5	19	30	21	0,9
10.12NQRL05	5	4,5	33	84	84	27	21	32,5	23	1,2
10.12NQRL06	6	5	37,5	92	92	29,5	23	35	25	1,5
10.12NQRL07	7	7	49	100	100	32	25	38	28	2
10.12NQRL08	8	8	54	108	108	34,5	27	40,5	31	2,5
10.12NQRL09	9	9,5	60	116	116	37	29	43,5	34	3,1
10.12NQRL10	10	12	75	128	128	40,5	32	48	37	4,4
10.12NQRL11	11	15	95	140	140	44	35	53	40	5,7
10.12NQRL12	12	17	110	152	152	47,5	38	57	43	7,2
10.12NQRL13	13	21	135	164	164	51	41	61,5	46	8,7
10.12NQRL14	14	26	160	176	173	54	44	66	50	11
10.12NQRL15	15	30	175	188	188	58	47	70,5	52	13,5
10.12NQRL17	17	42,5	260	222	222	68	56	84	62	23

Rope Pear Socket NRPSS

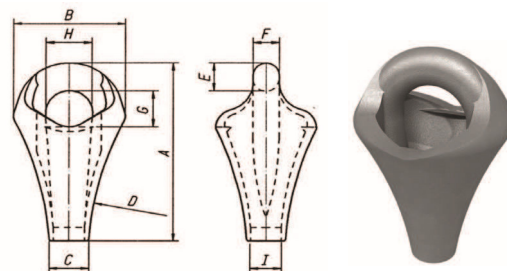
General: Permanent termination specially designed for compacted steel wire ropes.

Material: High grade casted steel.

Marking: Manufacturers mark, size and batch number.



Important: The specified capacities shown are for grab operation. For other applications, use safety factor of 5.



Art No	Fits	Pear size	Rope Ø	WLL tons	Breaking Load tons	A	B	C	D	E	F	G	H	I	Weight kg
						mm									
10.10NRPSS924	8,9,10	924	22-24	11	70	192	133	40	325	31	27	40	58	27	4
10.10NRPSS1026	9,10,11	1026	25-27	13	85	212	143	43	375	35	30,5	43	60	30	5
10.10NRPSS1130	10,11,12	1130	28-30	15	95	239	156	45	400	36	31,5	50	70	33	7
10.10NRPSS1232	11,12	1232	31-33	17	110	249	165	52	450	39	34,5	57	72	36	8,5
10.10NRPSS1336	12,13,14	1336	34-36	21	125	285	184	62	450	43	36,5	60	80	40	9,5
10.10NRPSS1440	13,14,15	1440	37-40	26	155	297	192	60	475	47	40	62	80	44	12
10.10NRPSS3221	15	3221	42-44	32,5	189	314	204	66	425	53	46	70	80	47	13,5
10.10NRPSS1548	14,15	1548	46-48	30	180	329	192	67	575	51	44	66	80	52	12,5
10.10NRPSS1648	15,17	1648	46-48	36	215	343	218	70	500	56	50	75	90	52	18

Socketing compound - Wirelock

General: 2-component casting compound for the socketing of wire ropes in conical end fittings. Can be used for all types of wire ropes, giving 100% breaking load efficiency of the rope.



IMPORTANT: Follow the instructions for use.



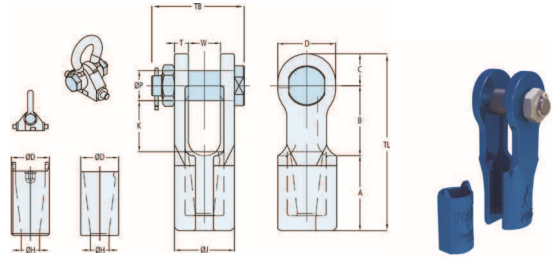
Art No	Code	Packing cm ³	Weight kg
10.50134817	PL-100	100	0,2
10.50134818	PL-250	250	0,5
10.50134819	PL-500	500	1
10.50134820	PL-1000	1000	2
10.50134821	PL-2000	2000	4
Booster packet			
10.50134822	Booster packet for wirelock		1000 ml
10.50134823	Booster packet for wirelock		250 ml
10.50134824	Booster packet for wirelock		500 ml

Fast Connector Socket FCS - with bolt

General: Forged clevis fittings for fast connection on wire rope. The connector can be attached to the rope either by mechanical splicing or by casting. Delivered complete with bolt, nut and cotter pin.

The socket is also as a spin resistant model for non-rotation.

Finish: Galvanized or Painted.



Note: For intermediate rope diameter select fittings with nearest following size.



Warning!: Compare the spelter's and the wire rope's minimum breaking load.



Art No	Code	Rope Ø	MBL	A	B	C	ø H	ø P	T	W	D	ø D	ø J	K	TB	TL	Weight	
Galvanized		mm	tons	mm														kg
10.10FCS701B.GAL	FCS-701B	11-13	20	62	61	27	15	25	12	25	50	33	49	46	80	150	1,6	
10.10FCS702B.GAL	FCS-702B	13-16	25	72	78	32	18	30	14	32	58	38	60	59	96	182	2,6	
10.10FCS703B.GAL	FCS-703B	16-19	40	85	93	40	21	35	16	38	70	45	70	69	107	218	4,5	
10.10FCS704B.GAL	FCS-704B	20-22	55	102	106	45	24	41	19	44	80	50	82	81	123	253	6,5	
10.10FCS705B.GAL	FCS-705B	23-26	75	115	123	60	28	51	22	51	104	60	95	90	138	298	11	
10.10FCS706B.GAL	FCS-706B	27-29	90	140	152	65	32	57	25	57	114	70	107	116	160	357	16	

Spin resistant connector

Art No	Code	Rope Ø	MBL	A	B	C	H	P	T	W	D	ø D	ø J	K	TB	TL	Weight	
Galvanized		mm	tons	mm														kg
10.10FCS05B.SR.GAL	FCS-705B.SR	23-26	75	115	123	60	28	51	22	51	104	60	95	90	138	298	11	
10.10FCS06B.SR.GAL	FCS-706B.SR	27-29	90	140	152	65	32	57	25	57	114	70	107	116	160	357	16	
10.10FCS07B.SR.GAL	FCS-707B.SR	30-32	125	150	159	73	36	63	28	63	126	80	119	120	165	382	18	
10.10FCS08B.SR.GAL	FCS-708B.SR	33-36	125	160	171	73	39	64	28	69	126	85	125	130	185	404	23	
10.10FCS09B.SR.GAL	FCS-709B.SR	37-39	150	176	187	80	42	70	30	76	142	90	136	142	201	443	29	
10.10FCS10B.SR.GAL	FCS-710B.SR	40-42	170	188	198	88	45	76	33	76	156	95	142	150	209	474	36	
	FCS-711B.SR	43-48	225	210	232	100	52	89	39	89	176	110	167	175	237	542	58	



Crane End Stop

General: End stops for crane rope applications.

Features: These end stops are designed for full load applications of rotation resistant and low rotation ropes. The chamfered surface around the cylinder matches different fitting devices.

The bore of the end stop is slightly conical to distribute the stress over a larger area.

The exact diameter and length of the end stop assembly should be confirmed when an order is placed to ensure a good match between stop and device.

The end stop is specifically manufactured for rotation resistant and low rotational ropes with a fill factor between 0.61 and 0.76 for other rope types please contact Certex.

Material: Mild steel.

Marking: ID code and Manufacturer's symbol.

Safety factor: 5:1.

Finish: Ungalvanised.



Rope size mm	Finish dia. mm	Finish length mm
9	28	75
13	32	95
15	30	95
17	40	108
19	44	124
21	44	124
23	52	144

Crane End Stop with Padeye

General: End Stops for crane rope applications.

Features: These end stops are designed for full load applications of rotation resistant and low rotation ropes. The chamfered surface around the cylinder matches different fitting devices.

The bore of the end stop is slightly conical to distribute the stress over a larger area.

The exact diameter and length of the end stop assembly should be confirmed when an order is placed to ensure a good match between stop and device.

The end stop is specifically manufactured for rotation resistant and low rotational ropes with a fill factor between 0.61 and 0.76 for other rope types please contact Certex.

Material: mild carbon steel.

Marking: ID code and Manufacturer's symbol.

Safety factor: 5:1 .

Finish: Ungalvanised.



Rope size mm	Finish dia. mm	Finish length mm
23	52	178
24	52	178
25	52	178
26	52	178
28	58	203
30	64	219
32	64	219

Liebherr Socket



Open Swage Socket S-501

Features: Swage sockets incorporate a reduced machined area of the shank which is the equivalent to the proper after swage dimension. Before swaging, this provides for an obvious visual difference in the shank diameter. After swaging, a uniform shank diameter is created allowing for a QUIC CHECK™ permanent visual inspection opportunity. Designed to quickly determine whether the socket has been through the swaging operation and assist in field inspections, it does not eliminate the need to perform standard production inspections which include gauging for the proper after swage dimensions or proof loading.

Hardness controlled by spheroidise annealing.

Swage socket terminations have an efficiency rating of 100% based on the catalogue strength of wire rope.

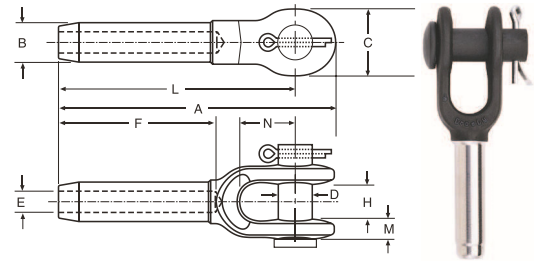
Material: Carbon Steel.

Marking: ID code and Manufacturer's symbol.

Safety factor: 5:1.

Finish: Ungalvanised.

Standard: Crosby Drawing.



Crosby

Art No	Nominal size (dia of rope)		A	B	C	D	E	F	H	L	M	N	Max. after swage dia.	Weight
	mm	in												
10.101039021	6	1/4	122	12,7	35,1	17,5	6,85	54,0	17,5	102	9,65	38,1	11,7	.24
10.101039049	8	5/16	159	19,6	41,1	20,6	8,65	81,0	20,6	135	11,9	44,5	18	.51
10.101039067	9-10	3/8	159	19,6	41,1	20,6	10,4	81,0	20,6	135	11,9	44,5	18	.59
10.101039085	11-12	7/16	198	24,9	51,0	25,4	12,2	108	25,4	170	14,2	51,0	23,1	.94
10.101039101	13	1/2	198	24,9	51,0	25,4	14,0	108	25,4	170	14,2	51,0	23,1	.94
10.101039129	14	9/16	241	31,8	60,5	30,2	15,5	135	31,8	207	17,3	57,0	29,5	2,12
10.101039147	16	5/8	241	31,8	60,5	30,2	17,0	135	31,8	207	17,3	57,0	29,5	2,05
10.101039165	18-20	3/4	294	39,4	70,0	35,1	20,3	162	38,1	254	20,3	70,0	36,1	3,62
10.101039183	22	7/8	341	43,2	79,5	41,1	23,9	189	44,5	295	23,9	82,5	39,4	5,23
10.101039209	24-26	1	393	50,5	93,5	51,0	26,9	216	51,0	340	26,9	95,5	45,7	8,07
10.101039227	28	1 1/8	440	57,0	105	57,0	30,2	245	57,0	381	30,2	108	52	11,5
10.101039245	32	1 1/4	484	64,5	114	63,5	33,8	272	63,5	419	31,0	119	58,5	16,1
10.101039263	34-36	1 3/8	532	71,0	127	63,5	36,8	297	63,5	461	35,1	133	65	19,8
10.101039281	38-40	1 1/2	589	78,0	140	70,0	40,1	325	76,0	502	43,4	145	71,5	26,5
10.101039307	44	1 3/4	676	86,0	170	89,0	47,2	378	89,0	584	53,6	171	77,5	40,3
10.101042767	48-52	2	799	100	203	95,5	53,5	432	102	683	60,0	203	90,5	66

Closed Swage Socket S-502

Features: Swage sockets incorporate a reduced machined area of the shank which is the equivalent to the proper after swage dimension. Before swaging, this provides for an obvious visual difference in the shank diameter. After swaging, a uniform shank diameter is created allowing for a QUIC CHECK™ permanent visual inspection opportunity. Designed to quickly determine whether the socket has been through the swaging operation and assist in field inspections, it does not eliminate the need to perform standard production inspections which include gauging for the proper after swage dimensions or proof loading.

Hardness controlled by spheroidise annealing.

Swage socket terminations have an efficiency rating of 100% based on the catalogue strength of wire rope.

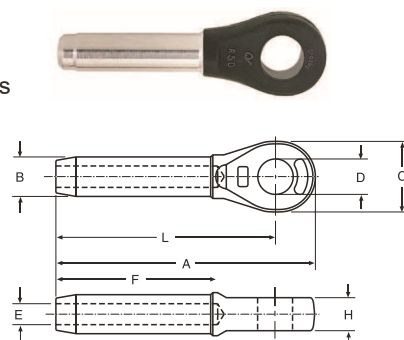
Material: Carbon Steel.

Marking: ID code and Manufacturer's symbol.

Safety factor: 5:1.

Finish: Ungalvanised.

Standard: Crosby Drawing.



Art No	Nominal size (dia of rope)		A	B	C	D	E	F	H	L	Max. after swage dia.	Weight kg
	mm	in										
10.1039325	6	1/4	109	12,7	35,1	19,1	6,85	54	12,7	89,0	11,7	0,15
10.1039343	8	5/16	138	19,6	41,1	22,4	8,65	81	17	114	18,0	0,34
10.1039361	9-10	3/8	138	19,6	41,1	22,4	10,4	81	17	114	18,0	0,33
10.1039389	11-12	7/16	176	24,9	51,0	26,9	12,2	108	21,8	146	23,1	0,64
10.1039405	13	1/2	176	24,9	51,0	26,9	14,0	108	21,8	146	23,1	0,64
10.1039423	14	9/16	220	31,8	60,5	31,8	15,5	135	28,7	184	29,5	1,32
10.1039441	16	5/8	220	31,8	60,5	32,5	17	135	28,7	184	29,5	1,29
10.1039469	18-20	3/4	261	39,4	73	36,6	20,3	162	33,3	219	36,1	2,27
10.1039487	22	7/8	303	43,2	79	44	23,9	189	38,1	257	39,4	3,08
10.1039502	24-26	1	344	50,5	92	52,5	26,9	216	44,5	292	45,7	4,72
10.1039520	28	1 1/8	382	57,0	102	58,5	30,2	243	51	324	52,0	6,72
10.1039548	32	1 1/4	430	64,5	114	65	33,8	270	57	365	58,5	9,78
10.103956	334-6	1 3/8	473	71	127	65	36,8	297	57	400	65,0	12,9
10.1039584	38-40	1 1/2	511	78	140	71,5	40,1	325	63	432	71,5	17,3
10.1039600	44	1 3/4	598	86	159	90,5	47,2	378	76	508	77,5	23,1
10.1042589	48-52	2	702	100	184	96,5	53,5	432	82,5	584	90,5	40,5

Cable Sock type 501

General: Tool for mounting of wire ropes.

Design: One end closed with pressed thimble one end open.

Material: Galvanized wire netting.

Also available in special editions in larger sizes and stainless material.
Also with wire clamp.



Warning: Not approved for lifting!



Art No	Type	Rope Ø mm	Length mm	Working load kp
10.42501006010300	501	6-10	300	80
10.42501010015350	501	10-15	350	120
10.42501015024400	501	15-24	400	200
10.42501022032600	501	22-32	600	325
10.42501032045900	501	32-45	900	750
10.425010450551100	501	45-55	1.100	1.250
10.425010550701350	501	55-70	1.350	1.250
10.425010700901450	501	70-90	1.450	1.600
10.425010901101900	501	90-110	1.900	1.800
10.425011101302500	501	110-130	2.500	1.800

Cable Sock type 502

General: Tool for mounting of wire ropes.

Design: Both ends open with double pressed thimbles.

Material: Galvanized wire netting.

Also available in special editions in larger sizes and stainless material.
Also with double wire clamp (type 507).



Warning: Not approved for lifting!



Art No	Type	Rope Ø mm	Length mm	Working load kp
10.42502006010300	502	6-10	300	80
10.42502010015350	502	10-15	350	120
10.42502015024400	502	16-24	400	200
10.42502022032600	502	22-32	600	325
10.42502032045900	502	32-45	900	750
10.425020450551100	502	45-55	1.100	1.250
10.425020550701350	502	55-70	1.350	1.250
10.425020700901450	502	70-90	1.450	1.600
10.425020901101900	502	90-110	1.900	1.800
10.425021101302500	502	110-130	2.500	1.800

Turnbuckle - Jaw/Jaw POWERTEX

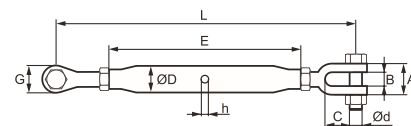
Design: Jaw-jaw. Delivered complete with locking nuts. For adjustment of the length at number 1420 and 1421 the hole (h) is replaced with a key grip in both sides of the socket.

Material: General construction steel 4.6, split in stainless steel AISI 304.

Marking: POWERTEX, WLL xxT, batch number**.

Safety factor: 5:1.

Finish: Hot dip galvanized, except from M6 and M8, which are electro galvanized.



Warning! The turnbuckles are normally not intended for lifting. If they are to be used for lifting every individual turnbuckle shall be proof loaded, this is made on request. The turnbuckles are not allowed to be adjusted in length when they are used for lifting!

POWERTEX

Art No	Thread	WLL tons	A	B	C	D	E	G	d	h	L		Weight kg
											min	max	
11.50PRSJ002	M6	0,2	19	7	16	14,5	100	12	M5	6,5	180	255	0,13
11.50PRSJ003	M8	0,32	23	9	22	17,2	108	14	M6	8,5	210	285	0,25
11.50PRSJ005	M10	0,5	20	10	16	17,2	150	18	M8	7	225	335	0,3
11.50PRSJ007	M12	0,7	25	13	25	21,3	195	24	M10	8	315	470	0,65
11.50PRSJ012	M16	1,2	34	18	38	27	230	31	M12	8	380	565	1,25
11.50PRSJ015	M20	1,5	36	20	42	34	270	39	M16	12	450	660	2,2
11.50PRSJ022	M22	2,2	44	25	50	34	295	46	M20	12	500	720	3,3
11.50PRSJ032	M24	3,2	51	28	54	42	325	52	M22	12	555	800	4,6
11.50PRSJ048	M33	4,8	62	38	71,5	50	370	60	M27	12	700	970	8,5
11.50PRSJ060	M39	6	79	45	83,5	60,3	400	75	M33	16	780	1060	15
11.50PRSJ085	M45	8,5	94	50	86	76	400	85	M39	16	800	1050	21
11.50PRSJ110	M52	11	98	58	97,5	76	400	92	M45	16	870	1100	24
11.50PRSJ150	M56	15	110	60	125	90	540	120	48	NV80	1010	1410	48
11.50PRSJ250	M64	25	132	72	145	100	720	140	56	NV90	1250	1820	69

Other dimensions and performance on request.

Rigging Screw, Fork/Eye

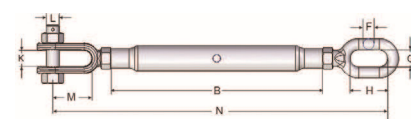
General: For tensioning of ropes, cables and the like.

Design: Hot dip galvanized.

Safety factor: 5:1.



Important: We only make certificates for the rigging screws which are individual tested and numbered.



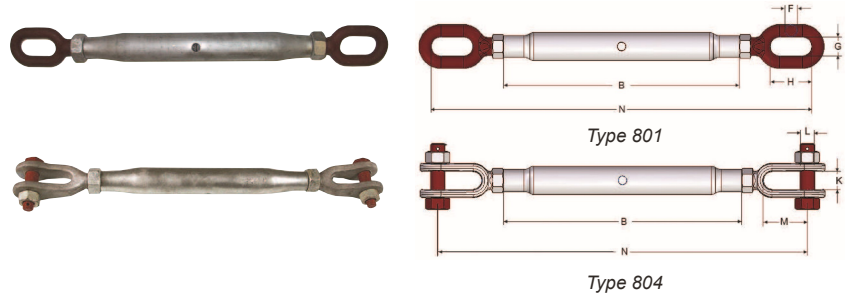
Art No	Threads	WLL tons	Load limit	Take up	B	N	L	M	K	H	G	F	Approx. weight kg/pcs.
11.50402406	M6		0,20	80	100	175	5	18	8	11	11	5	0,1
11.50402408	M8		0,32	85	110	210	6	25	9	12	12	6	0,17
11.50402410	M10	0,5	0,56	90	125	225	8	20	10	13	13	7	0,33
11.50402412	M12	0,7	0,7	155	195	315	10	30	13	30	15	10	0,68
11.50402416	M16	1,2	1,2	185	230	380	12	44	18	40	20	12	1,2
11.50402420	M20	1,5	1,5	210	270	450	16	50	20	50	24	16	2,095
11.50402422	M22	2,2	-	230	295	500	20	60	25	50	24	16	2,7
11.50402424	M24	3,2	-	250	325	555	22	65	28	56	28	19	4,00
11.50402430	1.1/4"	4,8	-	290	370	680	28	85	38	70	35	22	7,50
11.50402439	1.1/2"	6,0	-	300	400	760	32	100	45	80	40	25	12,085
11.50402445	1.3/4"	8,0	-	290	400	760	38	105	50	90	45	30	20,90
11.50402452	2"	10,0	-	290	400	820	45	120	58	100	45	35	22,00

Rigging Screws

General: For tensioning of ropes, cables and the like.

Design: Hot dip galvanized.

Safety factor: 5:1.



Art No Type 801	Art No Type 802**	Art No Type 804	Threads	WLL tons	Tensioning length	B	N	L	M	K	H	G	F	Weight kg		
														Type 801	Type 802	Type 804
11.50A801420	11.50A802420	11.50A804420	M20	2,5	210	270	455	16	50	20	50	24	16	2,26	2	2
11.50A801424	11.50A802424	11.50A804424	M24	5,0	250	340	570	22	65	28	56	28	19	4,78	5	5
11.50A801432	11.50A802432	11.50A804432	1 1/4"	7,0	270	370	680	28	85	38	70	35	22	8,62	7	7
11.50A801438	11.50A802438	11.50A804438	1 1/2"	10,0	300	420	790	32	100	45	78	40	25	15,5	15	14
11.50A801445	11.50A802445	11.50A804445	1 3/4"	13,0	360	500	870	39	105	50	90	45	30	22,8	22	22
11.50A801450	11.50A802450	11.50A804450	2"	17,0	450	600	1.030	45	120	58	100	45	35	33,2	30	24,25
11.50A801464*			2 1/2"	27,2	600	800	1.490	57	140	75	-	-	-	73,0		
11.50A801470*			2 3/4"	34,0	600	800	1.570	70	145	89	-	-	-	98,0		

* Open body without safetybolt in jaw.

**Also available in type 802 jaw-eye.

Certificate can be delivered on this type.

Turnbuckle T2 Heavy Duty

On request deliverable with 2 securing nuts or plates.

Custom designed screws can be constructed in any size and capacity.

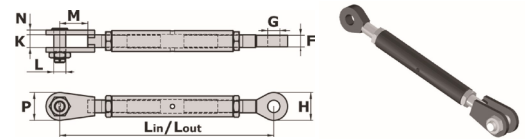
Rigging screws are supplied with trapezium thread.

Also deliverable with jaw/jaw or eye/eye.

Material: High tensile steel.

Safety: 5:1.

Finish: Painted.



Art No Jaw/Eye	WLL tons	L in mm	L out mm	Thread	K	N	M	L	P	F	H	G	Weight kg
11.5042013002	13,5	935	1.260	55x8	55	20	122	51	120	50	120	53	52
11.5042017002	17	1.010	1.360	65x8	65	28	130	63	140	55	140	65	69
11.5042025002	25	1.085	1.415	70x8	76	30	145	70	140	70	140	72	85
11.5042030002	30	1.160	1.530	75x8	80	35	160	72	150	70	150	74	100
11.5042035002	35	1.250	1.650	80x8	90	40	175	80	170	80	170	82	140
11.5042045002	45	1.300	1.780	90x8	100	45	175	90	190	90	190	93	180
11.5042055002	55	1.380	1.890	100x8	110	50	175	100	210	100	210	103	240
11.5042070002	70	1.480	2.025	110x8	110	55	175	108	230	100	230	111	340
11.5042085002	85	1.565	2.200	120x8	130	75	175	127	270	125	270	130	420
11.5042100002	100	1.630	2.360	130x8	140	90	175	140	290	125	290	143	510
11.5042120002	120	1.745	2.340	140x8	155	90	190	152	340	140	340	155	600
11.5042160002	160	1.870	2.470	160x8	170	100	210	178	380	160	380	181	700
11.5042200002	200	2.020	2.640	180x8	190	110	250	190	400	170	400	193	960
11.5042250002	250	2.170	2.840	200x8	210	120	280	250	520	190	520	253	1.120

Tolerance ± 5%

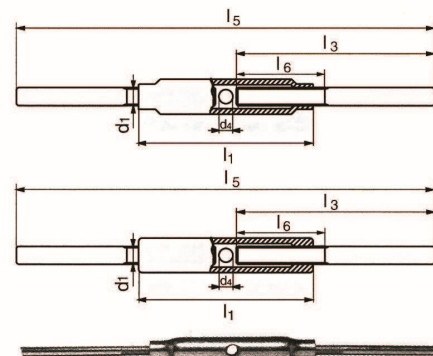
Galv. Turnbuckles DIN 1478

General: For tightening of ropes, cables and the like.

Material: Carbon steel.

Surface: Galvanized body, stud ends.

Standard: DIN 1478.



Art No	d1	d4	l1	l3	l5	ad	l6	Package	Weight kg/%
11.505000006V	M6	6	110	120	240-330	90	65	10	14
11.505000008V	M8	8	110	120	240-325	85	65	10	18
11.505000010V	M10	8	125	150	300-395	95	75	10	32
11.505000012V	M12	10	125	150	300-390	90	75	10	45
11.505000016V	M16	10	170	200	400-520	120	100	10	90
11.505000020V	M20	12	200	220	400-540	140	120	1	150
11.505000024V	M24	12	255	260	520-700	180	150	1	275
11.505000030V	M30	16	255	260	520-680	160	160	1	394

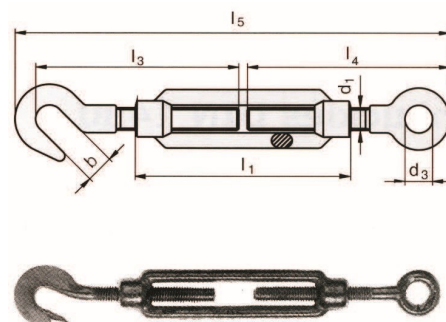
Turnbuckles, Hook/Eye

General: For tightening of ropes, cables and the like.

Material: Carbon steel.

Finish: Galvanized.

Standard: DIN 1480.



Art No	d1	d3	b	l1	l3	l4	l5	ad	Package	Weight kg/%
11.561480JEM06	M6	9	8,5	110	85	80	172-252	80	10	9,5
11.561480JEM08	M8	10	11,0	110	85	84	182-257	75	10	16,5
11.561480JEM10	M10	14	13,5	125	112	105	213-298	85	10	29
11.561480JEM12	M12	16	15,5	125	117	115	238-318	80	10	43
11.561480JEM14	M14	18	18,5	140	122	122	263-353	90	10	62
11.561480JEM16	M16	22	19,0	170	138	165	320-430	110	10	92
11.561480JEM20	M20	24	20,5	200	170	167	367-497	130	5	163
11.561480JEM22	M22	27	26,0	220	185	167	398-543	145	1	220
11.561480JEM24	M24	27	26,0	255	205	205	447-617	170	1	300
11.561480JEM30	M30	31	33,0	255	225	255	512-662	160	1	460
11.561480JEM36	M36	43	44,0	295	255	276	568-748	180	1	768

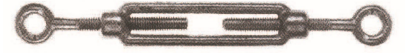
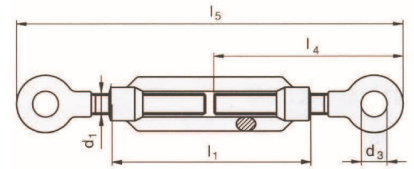
Turnbuckles, Eye/Eye

General: For tightening of ropes, cables and the like.

Material: Carbon steel.

Finish: Galvanized.

Standard: DIN 1480.



Art No	d1	d3	l1	l4 mm	l5	ad	Package	Weight kg/%
11.561480EEM06	M6	9	110	80	167-247	80	10	9,0
11.561480EEM08	M8	10	110	84	179-254	75	10	15,5
11.561480EEM10	M10	14	125	105	210-295	85	10	27
11.561480EEM12	M12	16	125	115	230-310	80	10	41
11.561480EEM14	M14	18	140	122	250-340	90	10	60
11.561480EEM16	M16	22	170	165	330-440	110	10	100
11.561480EEM20	M20	24	200	167	335-465	130	5	154
11.561480EEM22	M22	27	220	167	368-513	145	1	200
11.561480EEM24	M24	27	255	205	420-590	170	1	270
11.561480EEM30	M30	31	255	255	510-670	160	1	435
11.561480EEM36	M36	43	295	276	560-740	180	1	725



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Snatch Block Type LS

General: Intended for general lifting purposes.

Design: Snatch block type with covering side plates.

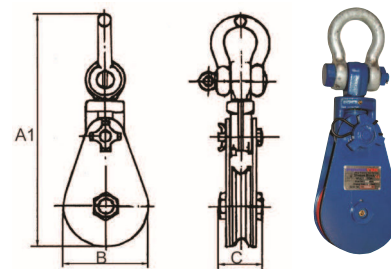
Provided with shackle and pressure lube fittings.

Furnished with bronze bushing.

Marking: Working load limit (WLL).

Safety factor: 4:1.

Finish: Painted.


CERTEX

Art No	WLL tons	Sheave dia. mm	A1	B mm	C	Rope Ø mm	Weight kg
16.15PSBS020075	2	75	286	82	70	7-9	4
16.15PSBS040115	4	115	345	120	70	10-12	6
16.15PSBS040150	4	150	399	160	70	16-19	14
16.15PSBS080200	8	200	528	210	93	19-22	16
16.15PSBS100250	10	250	679	260	115	24-26	38
16.20PSBS120250	12	250	702	260	125	20-22	39,5
16.15PSBS120300	12	300	767	310	133	24-26	56
16.15PSBS150200	15	200	663	210	102	22-24	24
16.15PSBS150300	15	300	884	310	133	24-26	65
16.15PSBS220365	22	365	952	365	140	28-32	90
16.15PSBS300300	30	300	1.023	310	193	28-30	125
16.15PSBS300400	30	400	1.126	415	155	32-35	135
16.15PSBS350350	35	350	1.058	365	193	32-35	130
16.15PSBS500600	50	600	1.525	625	275	46-50	418

Snatch Block Type LH

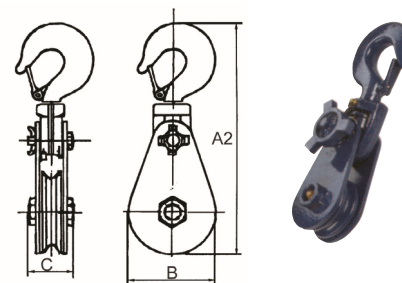
General: Intended for general lifting purposes.

Design: Snatch block type with covering side plates. Provided with swiveling hook with latch and pressure lube fittings. Furnished with bronze bushing.

Marking: Working load limit (WLL).

Safety factor: 4:1.

Finish: Painted.


CERTEX

Art No	WLL tons	Sheave dia. mm	A2	B mm	C	Rope Ø mm	Weight kg
16.15PSBH020075	2	75	292	82	70	7-9	4
16.15PSBH040115	4	115	358	120	70	10-12	6
16.15PSBH040150	4	150	412	160	70	16-19	14
16.15PSBH080200	8	200	549	210	93	19-22	16
16.15PSBH100250	10	250	695	260	115	24-26	38
16.15PSBH120300	12	300	797	310	133	24-26	56
16.15PSBH150200	15	200	672	210	102	22-24	24
16.15PSBH150300	15	300	797	310	133	24-26	65
16.15PSBH220365	22	365	960	365	140	28-32	90
16.15PSBH300300	30	300	993	310	193	28-30	125
16.15PSBH300400	30	400	1.085	415	155	32-35	135
16.15PSBH350350	35	350	1.028	365	193	32-35	130
16.15PSBH500600	50	600	1.495	625	275	46-50	418

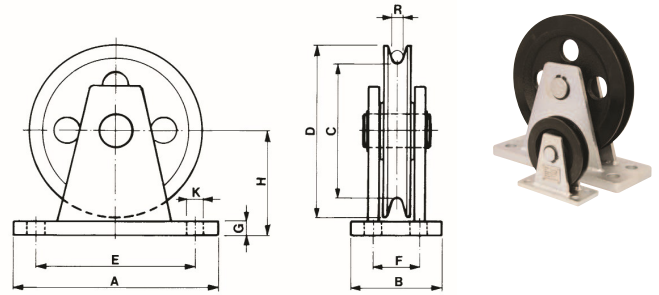
Pulley Block 73

Generally: Pulley with permanently greased slide bearings.
Can be fitted in any direction.

Material: Cast iron.

Finish: Galvanized.

Marking: Marked with its own manufacturing number and load tested. Test and CE-certificate enclosed.



Art No	WLL tons	Model	A	B	Ø C	Ø D	mm					Ø K	Ø R	Weight kg
							E	F	G	H				
10.357312A	0,5	7312A	120	60	78	100	90	30	8	60	10	7	1,5	
10.357314A	1	7314A	140	60	98	125	110	35	10	77	12	8	2,4	
10.357316A	2	7316A	180	80	118	150	140	40	12	92	14	10	4,5	
10.357317A	3	7317A	230	100	160	200	180	50	15	120	18	12	8,2	
10.357319A	5	7319A	320	120	225	275	260	60	20	165	23	15	18	

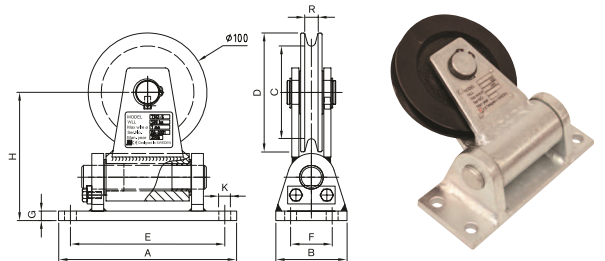
Pulley Block, jointed 74

General: Pulley with permanently greased slide bearings.
Can be fitted in any direction.

Material: Cast iron.

Finish: Galvanized.

Marking: Marked with its own manufacturing number and load tested. Test and CE-certificate enclosed.



Art. nr.	WLL tons	Model	A	B	Ø C	Ø D	mm					Ø K	Ø R	Weight kg
							E	F	G	H				
10.357412A	0,5	7412A	150	60	78	150	130	30	10	108	10	7	2,6	
10.357414A	1	7414A	175	60	98	178,5	150	35	12	124	12	8	3,5	

Swing Block

General: Intended for general lifting or pulling purposes. To be used with wire rope or fibre rope.

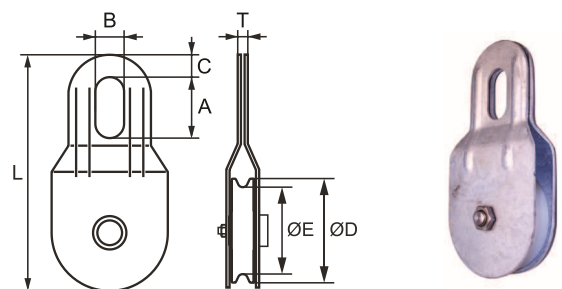
Design: The block opens by twisting the cover plates. Oval eye, can be connected to hook, shackle etc.

Material: Cover plates of construction steel, polyamid sheave, shaft in stainless steel. Swing-3 has a countersunk grease fitting in the shaft.

Marking: WLL.

Safety factor: 5:1.

Finish: Cover plates are galvanized.



Art No	Art No	Code	WLL tons	Max. rope Ø mm	A	B	C	D	E	L	T	Weight kg
16.15KSW1-N	16.15KSW1-N	SWING-01	1	15	48	24	22	80	70	190	11	1
16.15KSW2-N	16.15KSW2-N	SWING-02	2	18	56	28	31	110	100	255	11	1,9
16.15KSW3-N	16.15KSW3-N	SWING-03	3	28	60	42	37	150	140	350	14	4

Crane Blocks from McKissick

CERTEX offers high quality blocks from the leading manufactures, both in standard and customer specific models.

McKISSICK®

