



STEEL ROPES

Method of marking steel ropes according to PN-EN 12385-2:

STEEL ROPE

22 6x36WS IWRC 1770 B sZ

Dimension (diameter)

Rope construction (6x19M, 8x19S)

Core construction (FC, IWRC, WSC)

Rope strength class (1570, 1770, 1960)

Wire cover (A, B, U)

Rolling direction (sZ, zS, zZ, sS)

Rope construction:

number of strands x number of wires in the strand

Strand structure: Permitted rope - no symbol, Point-to-point rope- M, Rope with a combined contact- N, Rope type Seal- S, Rope type Warrington- W, Rope type Filler- F, Rope type Warrington - Seal- WS

Core construction:

FC - fiber core,
IWRC - steel wire core,
WSC - spring wire core,
WC - steel core.

Wire cover:

U - bare wire,
A - heavily galvanized
(thick layer),
B - galvanized.

Rolling direction:

right opposite ropes: s / Z, strand direction - left, and ropes - right,
left back rope: z / S, strand direction - right, and rope - left,
right co-fold ropes: z / Z, winding direction of strands and ropes,
left co-fold ropes: s / S, strand direction and ropes - left.

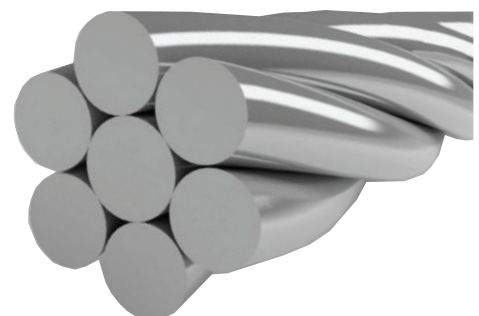
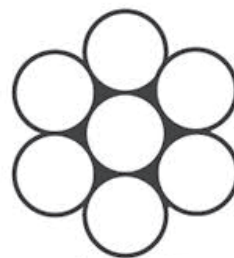
Rope strenght class [MPa] – level of required strength for which the value of rope breaking force is determined, determined by values 1770, 1960, 2160, itp. The strength class corresponds directly to the strength of Rm wires per rope, which is expressed by the ratio of the wire breaking force to its cross-section.

GALVANIZED STEEL ROPE 1x7

- galvanized steel rope, made in accordance with the standard DIN 3052,
- 1x7 single-layer weave; 1 wire with 7 wires wound around,
- very stiff, not very elastic but highly extensible,
- high greater abrasion resistance than the rope 1x19,
- tensile strength 1770 N/mm².



Type	Dimension diameter (mm)	Constr. RHRL	Weight m/kg	Tensile strength 1770 (N/mm ²) Minimum breaking load (kN)
Rope 1x7 1,0	1,0	1x7	0,005	98
Rope 1x7 1,2	1,2	1x7	0,007	138
Rope 1x7 1,5	1,5	1x7	0,011	215
Rope 1x7 1,8	1,8	1x7	0,016	310
Rope 1x7 2,0	2,0	1x7	0,020	392
Rope 1x7 2,5	2,5	1x7	0,031	613
Rope 1x7 3,0	3,0	1x7	0,045	882
Rope 1x7 3,5	3,5	1x7	0,062	1.206
Rope 1x7 4,0	4,0	1x7	0,080	1.570
Rope 1x7 4,5	4,5	1x7	0,102	1.980
Rope 1x7 5,0	5,0	1x7	0,126	2.450
Rope 1x7 6,0	6,0	1x7	0,181	3.530
Rope 1x7 7,0	7,0	1x7	0,246	4.800
Rope 1x7 8,0	8,0	1x7	0,321	6.270
Rope 1x7 9,0	9,0	1x7	0,407	7.940
Rope 1x7 10,0	10,0	1x7	0,502	9.800
Rope 1x7 12,0	12,0	1x7	0,723	14.100

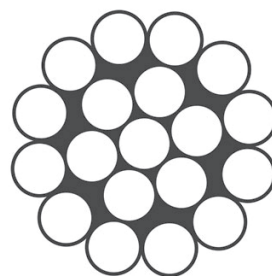


GALVANIZED STEEL ROPE 1x19

- galvanized steel rope, made in accordance with the standard DIN 3053,
- two-layer weave 1x19, 12+6+1 - the rope consists of 19 wires in two layers,
- stiff, not very elastic but highly extensible,
- increased resistance to abrasion,
- tensile strength 1770 N/mm²,
- rope used mainly where the rope works only in tension, in industrial equipment, as tension and guy ropes (masts, antenna structures) and as suspension ropes (e.g. wires, cables).



Type	Dimension diameter (mm)	Constr. RHRL	Weight m/kg	Tensile strength 1770 (N/mm ²) Minimum breaking load (kN)
Rope 1x19 1,5	1,5	1x19	0,011	213
Rope 1x19 2,0	2,0	1x19	0,019	378
Rope 1x19 2,5	2,5	1x19	0,031	591
Rope 1x19 3,0	3,0	1x19	0,044	851
Rope 1x19 3,5	3,5	1x19	0,060	1.160
Rope 1x19 4,0	4,0	1x19	0,079	1.510
Rope 1x19 4,5	4,5	1x19	0,099	1.935
Rope 1x19 5,0	5,0	1x19	0,124	2.360
Rope 1x19 5,5	5,5	1x19	0,150	2.865
Rope 1x19 6,0	6,0	1x19	0,178	3.400
Rope 1x19 7,0	7,0	1x19	0,243	4.630
Rope 1x19 8,0	8,0	1x19	0,317	6.050
Rope 1x19 9,0	9,0	1x19	0,401	7.660
Rope 1x19 10,0	10,0	1x19	0,495	9.450
Rope 1x19 11,0	11,0	1x19	0,599	11.400
Rope 1x19 12,0	12,0	1x19	0,713	13.600
Rope 1x19 13,0	13,0	1x19	0,837	16.000
Rope 1x19 14,0	14,0	1x19	0,971	18.500
Rope 1x19 15,0	15,0	1x19	1,110	21.300
Rope 1x19 16,0	16,0	1x19	0,270	24.200
Rope 1x19 17,0	17,0	1x19	1,430	27.385
Rope 1x19 18,0	18,0	1x19	0,610	30.690

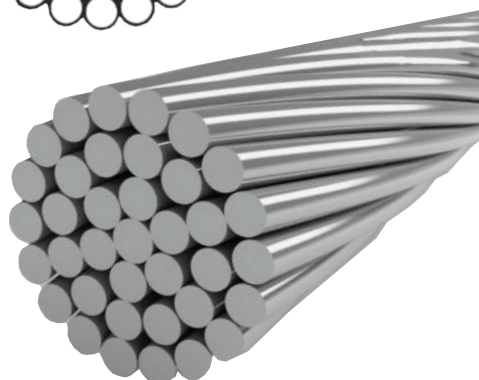
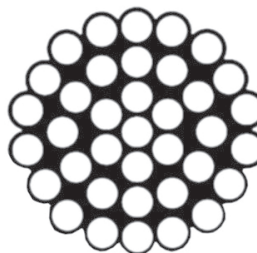


GALVANIZED STEEL ROPE 1x37

- galvanized steel rope, made in accordance with the standard DIN 3054,
- single layer weave 1x37; twisted gossip in three operations, a structure that contains three layers of wires wound on central wire – 1-6/12/18,
- greater flexibility with less abrasion resistance,
- tensile strength 1770 N/mm²,
- application (the rope only works for stretching): industrial equipment, in cars (brake and gas cables), as tension and suction cables and suspension cables.



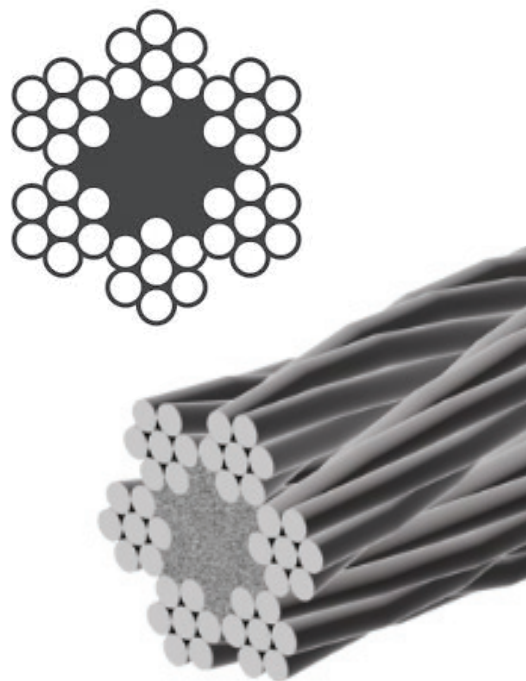
Type	Dimension diameter (mm)	Constr. RHRL	Weight m/kg	Tensile strength 1770 (N/mm ²) Minimum breaking load (kN)
Rope 1x37 4,0	4,0	1x37	0,078	14,5
Rope 1x37 5,0	5,0	1x37	0,122	22,7
Rope 1x37 6,0	6,0	1x37	0,176	32,7
Rope 1x37 7,0	7,0	1x37	0,240	44,4
Rope 1x37 8,0	8,0	1x37	0,313	58,1
Rope 1x37 9,5	9,0	1x37	0,396	73,5
Rope 1x37 10,0	10,0	1x37	0,489	90,7
Rope 1x37 12,0	12,0	1x37	0,710	133,2
Rope 1x37 14,0	14,0	1x37	0,980	184,5
Rope 1x37 16,0	16,0	1x37	1,200	222,3
Rope 1x37 18,0	18,0	1x37	1,540	288,0
Rope 1x37 20,0	20,0	1x37	1,940	361,8
Rope 1x37 22,0	22,0	1x37	2,220	414,0



GALVANIZED STEEL ROPE 6x7 FC

- galvanized steel rope, made in accordance with the standard 12385-4,
- single layer weave 6x7, soft rope with medium elasticity and high load capacity; 6 - number of strands, 7 - number of individual wires in the weave,
- fiber core,
- tensile strength 1770 N/mm²,
- high abrasion resistance with little flexibility,
- diameters of outer layer wires much thicker than with ropes of other structures,
- are often used in fishing (trawling ropes), they are also used in T-bar ski lifts.

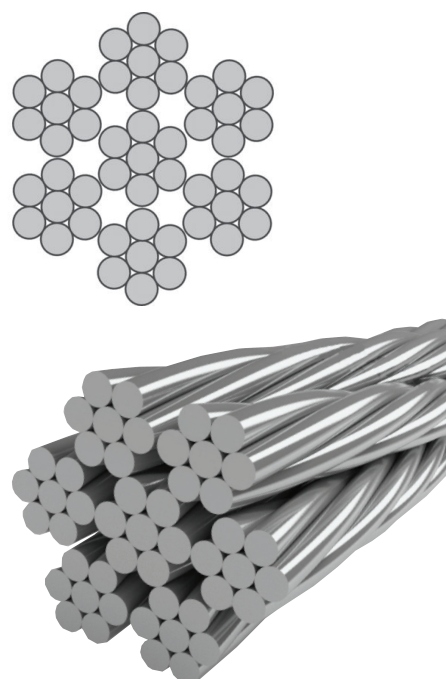
Type	Dimension diameter (mm)	Constr. RHRL	Weight m/kg	Tensile strength 1770 (N/mm ²) Minimum breaking load (kN)
Rope 6x7 2,0	2,0	6x7	1,38	2,35
Rope 6x7 3,0	3,0	6x7	3,11	5,29
Rope 6x7 4,0	4,0	6x7	5,52	9,40
Rope 6x7 5,0	5,0	6x7	8,63	14,70
Rope 6x7 6,0	6,0	6x7	12,40	21,20
Rope 6x7 7,0	7,0	6x7	16,90	28,80
Rope 6x7 8,0	8,0	6x7	22,10	37,60
Rope 6x7 9,0	9,0	6x7	27,90	47,60
Rope 6x7 10,0	10,0	6x7	34,50	58,80
Rope 6x7 11,0	11,0	6x7	41,70	71,10
Rope 6x7 12,0	12,0	6x7	49,70	84,60
Rope 6x7 13,0	13,0	6x7	58,30	99,30
Rope 6x7 14,0	14,0	6x7	67,60	115,00
Rope 6x7 16,0	16,0	6x7	88,30	150,00
Rope 6x7 18,0	18,0	6x7	112,00	190,00
Rope 6x7 20,0	20,0	6x7	138,00	235,00



GALVANIZED STEEL ROPE 6x7 WSC

- galvanized steel rope, made in accordance with the standard 12385-4,
- single layer weave 6x7 soft rope with medium elasticity and high load capacity; 6 - number of weaves, 7 - Number of individual wires in the weave, WSC - spring wire core,
- with a steel core in the form of strands WSC - the same construction as the rope strands,
- greater stiffness compared to 6 x7 fiber core ropes,
- they are used similar to ropes with a fiber core, additionally used as reinforcing ropes for rubber conveyor belts.

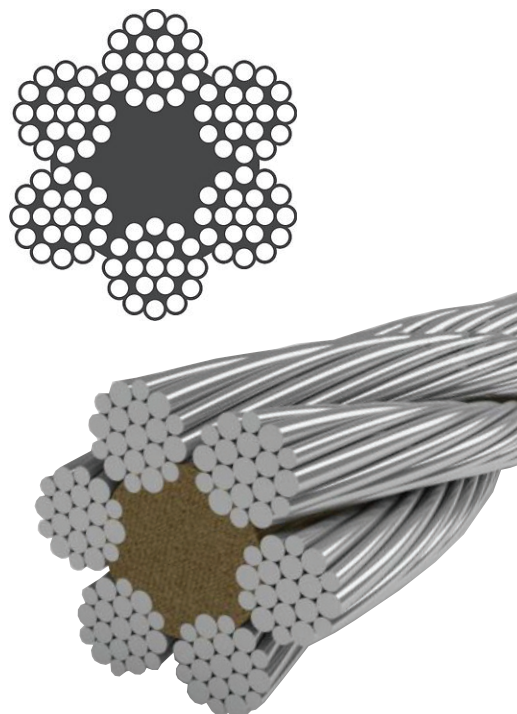
Type	Dimension diameter (mm)	Constr. RHRL	Weight m/kg	Tensile strength 1770 (N/mm ²) Minimum breaking load (kN)
Rope 6x7 WSC 6	6,0	6x37 WSC	0,144	22,9
Rope 6x7 WSC 7	7,0	6x37 WSC	0,196	31,1
Rope 6x7 WSC 8	8,0	6x37 WSC	0,256	40,7
Rope 6x7 WSC 9	9,0	6x37 WSC	0,326	51,5
Rope 6x7 WSC 10	10,0	6x37 WSC	0,410	63,5
Rope 6x7 WSC 11	11,0	6x37 WSC	0,503	76,9
Rope 6x7 WSC 12	12,0	6x37 WSC	0,605	91,5
Rope 6x7 WSC 13	13,0	6x37 WSC	0,691	107,0
Rope 6x7 WSC 14	14,0	6x37 WSC	0,809	125,0
Rope 6x7 WSC 15	15,0	6x37 WSC	0,900	143,0
Rope 6x7 WSC 16	16,0	6x37 WSC	1,020	163,0
Rope 6x7 WSC 17	17,0	6x37 WSC	1,160	184,0
Rope 6x7 WSC 18	18,0	6x37 WSC	1,320	206,0
Rope 6x7 WSC 19	19,0	6x37 WSC	1,440	229,0
Rope 6x7 WSC 20	20,0	6x37 WSC	1,600	254,0



GALVANIZED STEEL ROPE 6x19 FC

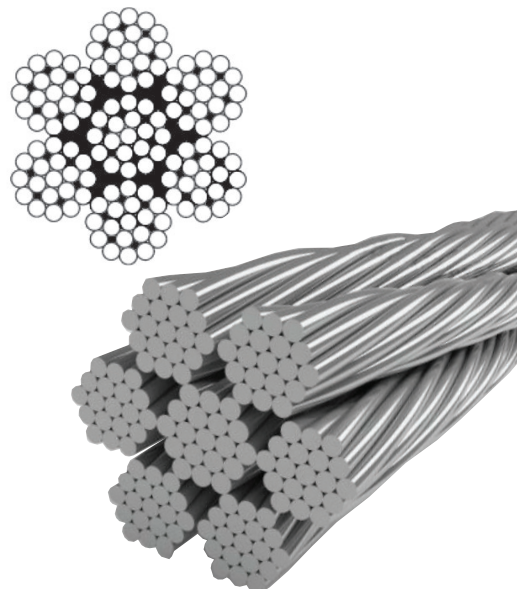
- galvanized steel rope, made in accordance with the standard 12385-4,
- three-layer weave 6x19+FC, in each strand 19 wires of the same diameter, in three layers (1+6+12); FC (eng. fibre core) - fiber core, which makes the rope more flexible,
- soft with high elasticity and high load capacity,
- used in winches and hoists,
- use on agricultural and horticultural farms and in fisheries.

Type	Dimension diameter (mm)	Constr. RHRL	Weight m/kg	Tensile strength (N/mm ²)	
				1770	1960
Rope 6x19 3,0	3,0	6x19	3,11	4,89	5,42
Rope 6x19 4,0	4,0	6x19	5,54	8,69	9,63
Rope 6x19 5,0	5,0	6x19	8,65	13,60	15,00
Rope 6x19 6,0	6,0	6x19	12,50	19,60	21,70
Rope 6x19 7,0	7,0	6x19	17,00	26,60	29,50
Rope 6x19 8,0	8,0	6x19	22,10	34,80	38,50
Rope 6x19 9,0	9,0	6x19	28,00	44,00	48,70
Rope 6x19 10,0	10,0	6x19	34,60	54,30	60,20
Rope 6x19 11,0	11,0	6x19	41,90	65,80	72,80
Rope 6x19 12,0	12,0	6x19	49,80	78,30	86,70
Rope 6x19 13,0	13,0	6x19	58,50	91,80	101,70
Rope 6x19 14,0	14,0	6x19	67,80	107,00	118,00
Rope 6x19 16,0	16,0	6x19	88,60	139,00	154,00
Rope 6x19 18,0	18,0	6x19	112,00	176,00	195,00



GALVANIZED STEEL ROPE 6x19 WSC (7x19)

Type	Dimension diameter (mm)	Constr. RHRL	Weight m/kg	Tensile strength (N/mm ²)	
				1770	1960
Rope 6x19 WSC 8	8,0	6x19 WSC	0,244	41,00	45,40
Rope 6x19 WSC 9	9,0	6x19 WSC	0,318	51,90	57,50
Rope 6x19 WSC 10	10,0	6x19 WSC	0,393	64,10	71,00
Rope 6x19 WSC 11	11,0	6x19 WSC	0,476	77,50	85,90
Rope 6x19 WSC 12	12,0	6x19 WSC	0,573	92,30	102,20
Rope 6x19 WSC 13	13,0	6x19 WSC	0,644	108,30	119,90
Rope 6x19 WSC 14	14,0	6x19 WSC	0,770	126,00	139,00
Rope 6x19 WSC 15	14,0	6x19 WSC	0,880	144,00	157,00
Rope 6x19 WSC 16	16,0	6x19 WSC	0,996	164,00	182,00
Rope 6x19 WSC 17	16,0	6x19 WSC	1,140	185,00	202,00
Rope 6x19 WSC 18	18,0	6x19 WSC	1,260	208,00	230,00
Rope 6x19 WSC 19	19,0	6x19 WSC	1,380	231,00	267,00
Rope 6x19 WSC 20	20,0	6x19 WSC	1,520	256,00	284,00
Rope 6x19 WSC 22	22,0	6x19 WSC	1,710	283,00	343,00
Rope 6x19 WSC 24	24,0	6x19 WSC	1,910	310,00	409,00
Rope 6x19 WSC 25	25,0	6x19 WSC	2,260	369,00	464,00
Rope 6x19 WSC 26	26,0	6x19 WSC	2,460	400,00	480,00
Rope 6x19 WSC 28	28,0	6x19 WSC	2,630	433,00	556,00
Rope 6x19 WSC 30	30,0	6x19 WSC	3,080	502,00	628,00
Rope 6x19 WSC 32	32,0	6x19 WSC	3,520	577,00	727,00
Rope 6x19 WSC 34	34,0	6x19 WSC	4,020	656,00	807,00
Rope 6x19 WSC 35	35,0	6x19 WSC	4,430	741,00	920,00
Rope 6x19 WSC 38	38,0	6x19 WSC	4,810	785,00	1.027,50
Rope 6x19 WSC 40	40,0	6x19 WSC	5,520	925,00	1.135,00

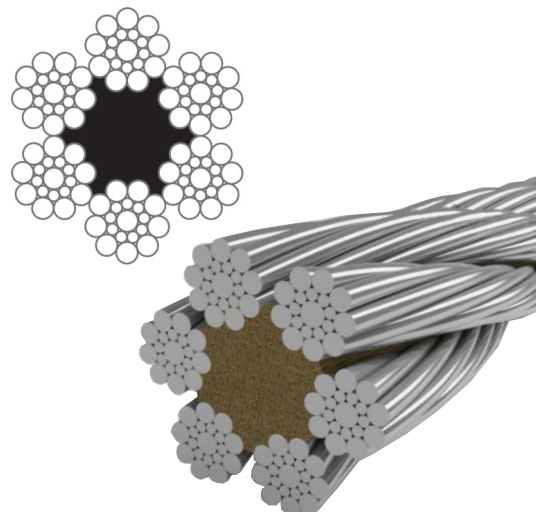


- galvanized steel rope, made in accordance with the standard 12385-4,
- three-layer weave 6x19+WSC, in each strand 19 wires of the same diameter, in three layers (1+6+12); WSC - spring wire core,
- soft with high elasticity and high load capacity,
- similar use as ropes of the same structure with a fiber core, compared to them, they are characterized by greater stiffness, greater breaking force and resistance to transverse pressure.

GALVANIZED STEEL ROPE 6x19S FC



Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength (N/mm ²)	
				1770	1960
				Minimum breaking load (kN)	
Rope 6x19S-FC 6	6,0	6x19S-FC	12,90	21,00	23,30
Rope 6x19S-FC 7	7,0	6x19S-FC	17,60	28,60	31,70
Rope 6x19S-FC 8	8,0	6x19S-FC	23,00	37,40	41,40
Rope 6x19S-FC 9	9,0	6x19S-FC	29,10	47,30	52,40
Rope 6x19S-FC 10	10,0	6x19S-FC	35,90	58,40	64,70
Rope 6x19S-FC 11	11,0	6x19S-FC	43,40	70,70	78,30
Rope 6x19S-FC 12	12,0	6x19S-FC	51,70	84,10	93,10
Rope 6x19S-FC 13	13,0	6x19S-FC	60,70	98,70	109,00
Rope 6x19S-FC 14	14,0	6x19S-FC	70,40	114,00	127,00
Rope 6x19S-FC 15	15,0	6x19S-FC	80,80	131,00	146,00
Rope 6x19S-FC 16	16,0	6x19S-FC	91,90	150,00	166,00
Rope 6x19S-FC 17	17,0	6x19S-FC	103,80	169,00	187,00
Rope 6x19S-FC 18	18,0	6x19S-FC	116,30	189,00	210,00
Rope 6x19S-FC 20	20,0	6x19S-FC	143,60	234,00	259,00
Rope 6x19S-FC 22	22,0	6x19S-FC	173,80	283,00	313,00
Rope 6x19S-FC 24	24,0	6x19S-FC	206,80	336,00	373,00
Rope 6x19S-FC 26	26,0	6x19S-FC	242,70	395,00	437,00
Rope 6x19S-FC 28	28,0	6x19S-FC	281,50	458,00	507,00
Rope 6x19S-FC 30	30,0	6x19S-FC	323,10	526,00	582,00
Rope 6x19S-FC 32	32,0	6x19S-FC	367,60	598,00	662,00
Rope 6x19S-FC 34	34,0	6x19S-FC	415,00	675,00	748,00
Rope 6x19S-FC 36	36,0	6x19S-FC	465,30	757,00	838,00
Rope 6x19S-FC 38	38,0	6x19S-FC	518,40	843,00	934,00
Rope 6x19S-FC 40	40,0	6x19S-FC	574,40	935,00	1.040,00

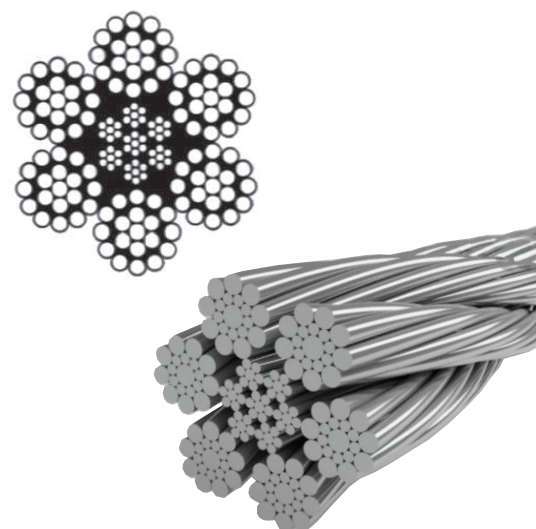


- galvanized steel rope, made in accordance with the standard 12385-5,
- three-layer weave 6x19S+FC, positioning the wires in a strand 1-9-9, Seale type - strand with parallel winding with the same number of wires in both layers; FC (eng. fibre core) - fiber core, which makes the rope more flexible,
- high abrasion resistance with quite good elasticity (the result of using large diameter wires in the outer layer of weaves),
- application (due to high abrasion resistance) as trawling ropes, ropes for passenger and goods lifts.

GALVANIZED STEEL ROPE 6x19S IWRC



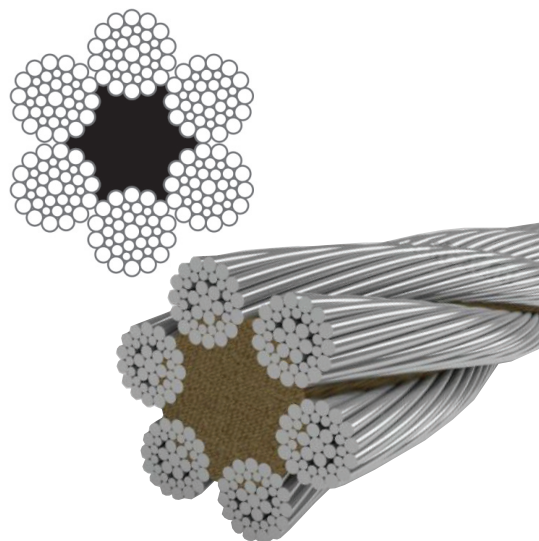
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength (N/mm ²)	
				1770	1960
				Minimum breaking load (kN)	
Rope 6x19S-IWRC 6	6,0	6x19S-IWRC	12,90	22,70	25,10
Rope 6x19S-IWRC 7	7,0	6x19S-IWRC	17,60	30,90	34,20
Rope 6x19S-IWRC 8	8,0	6x19S-IWRC	23,00	40,30	44,70
Rope 6x19S-IWRC 9	9,0	6x19S-IWRC	29,10	51,00	56,50
Rope 6x19S-IWRC 10	10,0	6x19S-IWRC	35,90	63,00	69,80
Rope 6x19S-IWRC 11	11,0	6x19S-IWRC	43,40	76,20	84,80
Rope 6x19S-IWRC 12	12,0	6x19S-IWRC	51,70	90,70	100,00
Rope 6x19S-IWRC 13	13,0	6x19S-IWRC	60,70	106,00	118,00
Rope 6x19S-IWRC 14	14,0	6x19S-IWRC	70,40	124,00	137,00
Rope 6x19S-IWRC 15	15,0	6x19S-IWRC	80,80	142,00	157,00
Rope 6x19S-IWRC 16	16,0	6x19S-IWRC	91,90	161,00	179,00
Rope 6x19S-IWRC 17	17,0	6x19S-IWRC	103,80	182,00	202,00
Rope 6x19S-IWRC 18	18,0	6x19S-IWRC	116,30	204,00	226,00
Rope 6x19S-IWRC 20	20,0	6x19S-IWRC	143,60	252,00	279,00
Rope 6x19S-IWRC 22	22,0	6x19S-IWRC	173,80	305,00	338,00
Rope 6x19S-IWRC 24	24,0	6x19S-IWRC	206,80	363,00	402,00
Rope 6x19S-IWRC 26	26,0	6x19S-IWRC	242,70	426,00	472,00
Rope 6x19S-IWRC 28	28,0	6x19S-IWRC	281,50	494,00	547,00
Rope 6x19S-IWRC 30	30,0	6x19S-IWRC	323,10	567,00	628,00
Rope 6x19S-IWRC 32	32,0	6x19S-IWRC	367,60	645,00	715,00
Rope 6x19S-IWRC 34	34,0	6x19S-IWRC	415,00	728,00	807,00
Rope 6x19S-IWRC 36	36,0	6x19S-IWRC	465,30	817,00	904,00
Rope 6x19S-IWRC 38	38,0	6x19S-IWRC	518,40	910,00	1010,00
Rope 6x19S-IWRC 40	40,0	6x19S-IWRC	574,40	1008,00	1120,00



- galvanized steel rope, made in accordance with the standard 12385-5,
- three-layer weave 6x19+IWRC, arrangement of wires in a strand 1-9-9, Seale type - strand with parallel winding with the same number of wires in both layers, IWRC - steel core in the form of an independent rope,
- similar features to ropes 6x19SFC, but higher breaking strength and better resistance to crushing the greater rigidity,
- similar use as for ropes 6x19S FC.

GALVANIZED STEEL ROPE 6x36 WS-FC

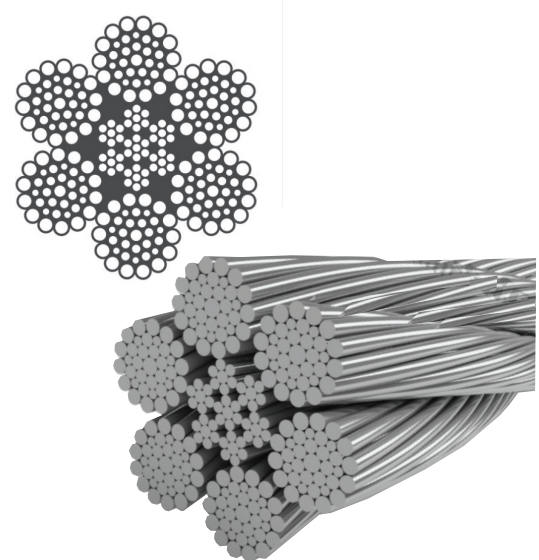
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength (N/mm ²)	
				1770	1960
				Minimum breaking load (kN)	
Rope 6x36WS-FC 10	10,0	6x36WS-FC	36,70	58,40	64,70
Rope 6x36WS-FC 11	11,0	6x36WS-FC	44,40	70,70	78,30
Rope 6x36WS-FC 12	12,0	6x36WS-FC	52,80	84,10	93,10
Rope 6x36WS-FC 13	13,0	6x36WS-FC	62,00	98,70	109,00
Rope 6x36WS-FC 14	14,0	6x36WS-FC	71,90	114,00	127,00
Rope 6x36WS-FC 15	15,0	6x36WS-FC	82,80	131,00	146,00
Rope 6x36WS-FC 16	16,0	6x36WS-FC	94,00	150,00	166,00
Rope 6x36WS-FC 17	17,0	6x36WS-FC	106,10	169,00	187,00
Rope 6x36WS-FC 18	18,0	6x36WS-FC	118,90	189,00	210,00
Rope 6x36WS-FC 19	19,0	6x36WS-FC	132,50	211,00	233,00
Rope 6x36WS-FC 20	20,0	6x36WS-FC	148,80	234,00	259,00
Rope 6x36WS-FC 22	22,0	6x36WS-FC	177,60	283,00	315,00
Rope 6x36WS-FC 24	24,0	6x36WS-FC	211,40	336,00	373,00
Rope 6x36WS-FC 26	26,0	6x36WS-FC	248,10	395,00	437,00
Rope 6x36WS-FC 28	28,0	6x36WS-FC	287,70	458,00	507,00
Rope 6x36WS-FC 30	30,0	6x36WS-FC	330,30	526,00	582,00
Rope 6x36WS-FC 32	32,0	6x36WS-FC	375,80	598,00	662,00
Rope 6x36WS-FC 34	34,0	6x36WS-FC	424,30	675,00	748,00
Rope 6x36WS-FC 36	36,0	6x36WS-FC	475,80	757,00	838,00
Rope 6x36WS-FC 38	38,0	6x36WS-FC	529,90	843,00	934,00
Rope 6x36WS-FC 40	40,0	6x36WS-FC	587,20	935,00	1035,00
Rope 6x36WS-FC 44	44,0	6x36WS-FC	710,50	1131,00	1270,30
Rope 6x36WS-FC 50	50,0	6x36WS-FC	917,50	1460,00	1688,40
Rope 6x36WS-FC 60	60,0	6x36WS-FC	1320,00	2103,00	2330,00



- galvanized steel rope, made in accordance with the standard 12385-4 with a natural fiber core,
- weave of 3 layers of wire scoiled in one operation, formed from a combination of strands of Warrington i Seale type (arrangement of wires in a strand 1+7+7+14),
- optimal combination of flexibility and abrasion resistance,
- the most popular and most commonly used rope construction,
- application in many industries.

GALVANIZED STEEL ROPE 6x36 WS-IWRC

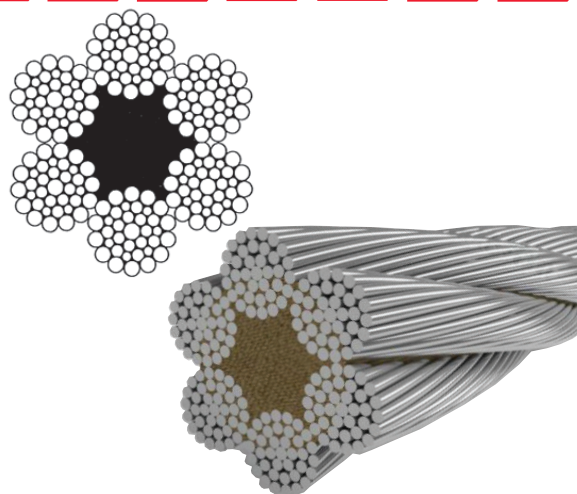
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength (N/mm ²)	
				1770	1960
				Minimum breaking load (kN)	
Rope 6x36WS-IWRC 10	10,0	6x36WS-IWRC	36,70	63,00	69,80
Rope 6x36WS-IWRC 11	11,0	6x36WS-IWRC	44,40	76,20	84,40
Rope 6x36WS-IWRC 12	12,0	6x36WS-IWRC	52,80	90,70	100,00
Rope 6x36WS-IWRC 13	13,0	6x36WS-IWRC	62,00	106,00	118,00
Rope 6x36WS-IWRC 14	14,0	6x36WS-IWRC	71,90	124,00	137,00
Rope 6x36WS-IWRC 15	15,0	6x36WS-IWRC	82,80	142,00	157,00
Rope 6x36WS-IWRC 16	16,0	6x36WS-IWRC	94,00	161,00	179,00
Rope 6x36WS-IWRC 17	17,0	6x36WS-IWRC	106,10	182,00	202,00
Rope 6x36WS-IWRC 18	18,0	6x36WS-IWRC	118,90	204,00	226,00
Rope 6x36WS-IWRC 19	19,0	6x36WS-IWRC	132,50	227,00	252,00
Rope 6x36WS-IWRC 20	20,0	6x36WS-IWRC	148,80	252,00	279,00
Rope 6x36WS-IWRC 22	22,0	6x36WS-IWRC	177,60	305,00	338,00
Rope 6x36WS-IWRC 24	24,0	6x36WS-IWRC	211,40	363,00	402,00
Rope 6x36WS-IWRC 26	26,0	6x36WS-IWRC	248,10	426,00	472,00
Rope 6x36WS-IWRC 28	28,0	6x36WS-IWRC	287,70	494,00	547,00
Rope 6x36WS-IWRC 30	30,0	6x36WS-IWRC	330,30	567,00	628,00
Rope 6x36WS-IWRC 32	32,0	6x36WS-IWRC	375,80	645,00	715,00
Rope 6x36WS-IWRC 34	34,0	6x36WS-IWRC	424,30	728,00	807,00
Rope 6x36WS-IWRC 36	36,0	6x36WS-IWRC	475,80	817,00	904,00
Rope 6x36WS-IWRC 38	38,0	6x36WS-IWRC	529,90	910,00	1008,00
Rope 6x36WS-IWRC 40	40,0	6x36WS-IWRC	587,20	1008,00	1116,00
Rope 6x36WS-IWRC 44	44,0	6x36WS-IWRC	710,50	1220,00	1350,00
Rope 6x36WS-IWRC 50	50,0	6x36WS-IWRC	917,50	1575,00	1810,00
Rope 6x36WS-IWRC 60	60,0	6x36WS-IWRC	1320,00	2268,00	2510,00



- galvanized steel rope, made in accordance with the standard 12385-4 with a natural steel core,
- formed from a combination of strands of Warrington i Seale type (arrangement of wires in a strand 1+7+7+14),
- similar features to ropes 6x36WS-FC, higher breaking strength, better crush strength with higher stiffness,
- used, among others, for horizontal and sloping (to 45°) transport equipment.

GALVANIZED STEEL ROPE 6x37 FC

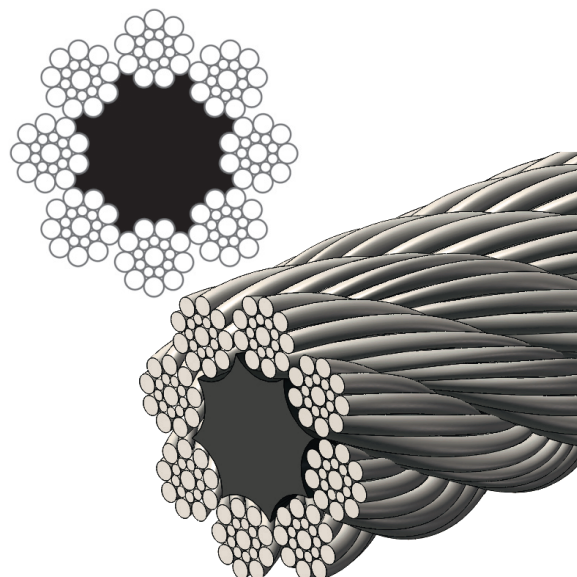
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength (N/mm ²)	
				1770	1960
Rope 6x37-FC 6	6,0	6x37-FC	12,50	18,80	20,80
Rope 6x37-FC 7	7,0	6x37-FC	17,00	25,60	28,30
Rope 6x37-FC 8	8,0	6x37-FC	22,10	33,40	37,00
Rope 6x37-FC 9	9,0	6x37-FC	28,00	42,30	46,80
Rope 6x37-FC 10	10,0	6x37-FC	34,60	52,20	57,80
Rope 6x37-FC 11	11,0	6x37-FC	41,90	63,20	70,00
Rope 6x37-FC 12	12,0	6x37-FC	49,80	75,20	83,30
Rope 6x37-FC 13	13,0	6x37-FC	58,50	88,20	97,70
Rope 6x37-FC 14	14,0	6x37-FC	67,80	102,00	113,00
Rope 6x37-FC 15	15,0	6x37-FC	77,00	118,00	130,00
Rope 6x37-FC 16	16,0	6x37-FC	89,00	134,00	148,00
Rope 6x37-FC 18	18,0	6x37-FC	112,00	169,00	187,00
Rope 6x37-FC 20	20,0	6x37-FC	138,40	209,00	231,00
Rope 6x37-FC 22	22,0	6x37-FC	167,00	253,00	280,00
Rope 6x37-FC 24	24,0	6x37-FC	199,00	301,00	333,00
Rope 6x37-FC 26	26,0	6x37-FC	234,00	353,00	391,00
Rope 6x37-FC 28	28,0	6x37-FC	271,00	409,00	453,00
Rope 6x37-FC 30	30,0	6x37-FC	311,00	470,00	520,00
Rope 6x37-FC 32	32,0	6x37-FC	354,00	535,00	592,00
Rope 6x37-FC 34	34,0	6x37-FC	400,00	604,00	668,00
Rope 6x37-FC 40	40,0	6x37-FC	554,00	935,00	925,00
Rope 6x37-FC 44	44,0	6x37-FC	670,00	1010,00	1118,00
Rope 6x37-FC 50	50,0	6x37-FC	936,00	1305,00	1445,00
Rope 6x37-FC 60	60,0	6x37-FC	1246,00	1880,00	2082,00



- galvanized steel rope, made in accordance with the standard 12385-4 with a natural fiber core,
- strand structure 1+6+12+18,
- lower abrasion resistance, very high flexibility due to the occurrence of many small diameter wires in the outer layer of weaves in relation to other rope constructions,
- use in shipbuilding, construction, mining, winches and agriculture.

GALVANIZED STEEL ROPE 8x19S FC

Type	Dimension diameter (mm)	Constr. RHRL	Weight m/kg	Tensile strength 1770 (N/mm ²)	
				1770	1960
Rope 8x19S-FC 6	6,0	8x19S-FC	12,50	18,60	
Rope 8x19S-FC 6,5	6,5	8x19S-FC	14,70	21,50	
Rope 8x19S-FC 7	7,0	8x19S-FC	17,10	24,90	
Rope 8x19S-FC 8	8,0	8x19S-FC	22,30	33,20	
Rope 8x19S-FC 9	9,0	8x19S-FC	27,50	42,00	
Rope 8x19S-FC 10	10,0	8x19S-FC	34,80	51,90	
Rope 8x19S-FC 11	11,0	8x19S-FC	42,20	62,80	
Rope 8x19S-FC 12	12,0	8x19S-FC	50,20	74,70	
Rope 8x19S-FC 13	13,0	8x19S-FC	58,90	87,60	
Rope 8x19S-FC 14	14,0	8x19S-FC	68,30	102,00	
Rope 8x19S-FC 16	16,0	8x19S-FC	89,20	133,00	
Rope 8x19S-FC 18	18,0	8x19S-FC	113,00	168,00	
Rope 8x19S-FC 20	20,0	8x19S-FC	139,00	207,00	
Rope 8x19S-FC 22	22,0	8x19S-FC	169,00	251,00	
Rope 8x19S-FC 24	24,0	8x19S-FC	201,00	299,00	
Rope 8x19S-FC 26	26,0	8x19S-FC	236,00	351,00	
Rope 8x19S-FC 28	28,0	8x19S-FC	273,00	407,00	
Rope 8x19S-FC 32	32,0	8x19S-FC	357,00	531,00	

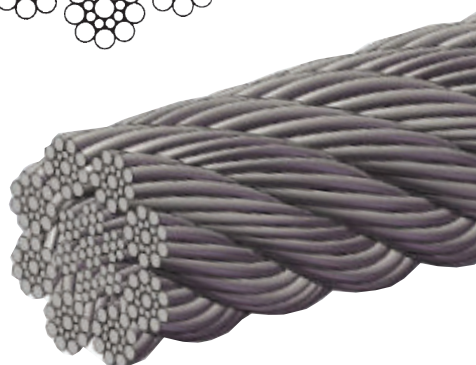
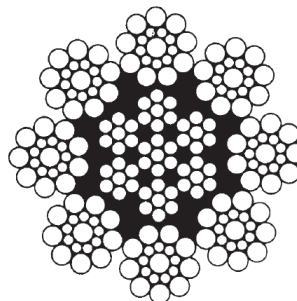


- galvanized steel rope, made in accordance with the standard 12385-4 with a natural fiber core,
- Seale, sstrand with parallel winding with the same number of wires in both layers, arrangement of wires in the strand 1-9-9),
- quite good elasticity and abrasion resistance,
- use in systems where rope resistance to abrasion, flexibility and good co-operation with rewinding rolls is required.

GALVANIZED STEEL ROPE 8x19S IWRC

- galvanized steel rope, made in accordance with the standard 12385-4 with a steel core IWRC,
- Seale, strand with parallel winding with the same number of wires in both layers, arrangement of wires in a strand 1-9-9),
- basic properties similar to ropes with fiber cores 8x19S -FC,
- good support of the rope strands by the steel core eliminates the tendency to flatten the ropes,
- rope with quite good elasticity and high abrasion resistance.

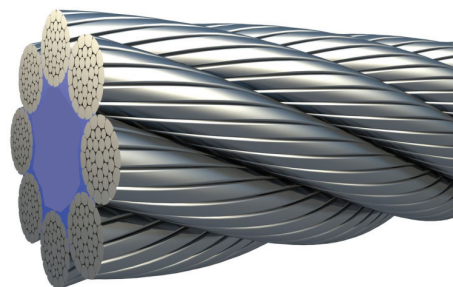
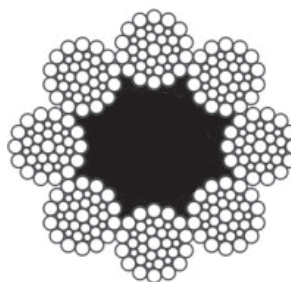
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength 1770 (N/mm ²) Minimum breaking load (kN)	
Rope 8x19S-IWRC 8	8,0	8x19S-IWRC	27,20	40,30	
Rope 8x19S-IWRC 9	9,0	8x19S-IWRC	33,00	51,00	
Rope 8x19S-IWRC 10	10,0	8x19S-IWRC	42,50	63,00	
Rope 8x19S-IWRC 11	11,0	8x19S-IWRC	51,40	76,20	
Rope 8x19S-IWRC 12	12,0	8x19S-IWRC	61,20	90,70	
Rope 8x19S-IWRC 13	13,0	8x19S-IWRC	71,90	106,00	
Rope 8x19S-IWRC 14	14,0	8x19S-IWRC	83,30	124,00	
Rope 8x19S-IWRC 16	16,0	8x19S-IWRC	109,00	161,00	
Rope 8x19S-IWRC 18	18,0	8x19S-IWRC	138,00	204,00	
Rope 8x19S-IWRC 20	20,0	8x19S-IWRC	170,00	252,00	
Rope 8x19S-IWRC 22	22,0	8x19S-IWRC	206,00	305,00	
Rope 8x19S-IWRC 24	24,0	8x19S-IWRC	245,00	363,00	
Rope 8x19S-IWRC 26	26,0	8x19S-IWRC	287,00	426,00	
Rope 8x19S-IWRC 28	28,0	8x19S-IWRC	333,00	494,00	
Rope 8x19S-IWRC 32	32,0	8x19S-IWRC	435,00	645,00	



GALVANIZED STEEL ROPE 8x36S FC

- galvanized steel rope, made in accordance with the standard 12385-4 with a natural fiber core,
- rope weave Warrington-Seale, strand with parallel winding, strand having three layers of wires wound in one operation and formed from the connection of strands of the Warrington i Seale type, arrangement of wires in a strand 1-7-7+7-14),
- high flexibility,
- use for work on cranes with low load and not exposed to high temperatures and in applications where high rope flexibility is required.

Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength (N/mm ²) 1770 1960 Minimum breaking load (kN)	
Rope 8x36S-FC 8	8,0	8x36S-FC	24,30	33,20	36,80
Rope 8x36S-FC 9	9,0	8x36S-FC	30,80	42,00	46,50
Rope 8x36S-FC 10	10,0	8x36S-FC	38,00	51,90	57,40
Rope 8x36S-FC 11	11,0	8x36S-FC	46,00	62,80	69,50
Rope 8x36S-FC 12	12,0	8x36S-FC	54,70	74,70	82,70
Rope 8x36S-FC 13	13,0	8x36S-FC	64,30	87,60	97,10
Rope 8x36S-FC 14	14,0	8x36S-FC	74,50	102,00	113,00
Rope 8x36S-FC 16	16,0	8x36S-FC	97,30	133,00	147,00
Rope 8x36S-FC 18	18,0	8x36S-FC	123,00	168,00	186,00
Rope 8x36S-FC 20	20,0	8x36S-FC	152,00	207,00	230,00
Rope 8x36S-FC 22	22,0	8x36S-FC	184,00	251,00	278,00
Rope 8x36S-FC 24	24,0	8x36S-FC	219,00	299,00	331,00
Rope 8x36S-FC 26	26,0	8x36S-FC	257,00	351,00	388,00
Rope 8x36S-FC 28	28,0	8x36S-FC	298,00	407,00	450,00
Rope 8x36S-FC 32	32,0	8x36S-FC	389,00	531,00	588,00
Rope 8x36S-FC 36	36,0	8x36S-FC	493,00	672,00	744,00
Rope 8x36S-FC 40	40,0	8x36S-FC	608,00	830,00	919,00
Rope 8x36S-FC 44	44,0	8x36S-FC	736,00	1000,00	1110,00

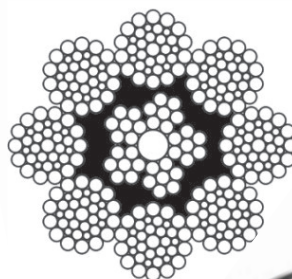


GALVANIZED STEEL ROPE 8x36S IWRC

- galvanized steel rope, made in accordance with the standard 12385-4 with a steel core,
- good support of the rope strands by the steel core, eliminates the tendency to flatten the ropes,
- single layer rope weave (Warrington-Seale, strand connected with parallel coil, having three layers of coiled wires, arrangement of wires in a strand 1-7-7+7-14),
- high susceptibility to damage,
- use in casting cranes in steelworks of metallurgical plants.



Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength (N/mm ²)	
				1770	1960
Rope 836S-IWRC 8	8,0	8x36S-IWRC	26,80	40,30	44,70
Rope 8x36S-IWRC 9	9,0	8x36S-IWRC	33,90	51,00	56,50
Rope 8x36S-IWRC 10	10,0	8x36S-IWRC	41,80	63,00	69,80
Rope 8x36S-IWRC 11	11,0	8x36S-IWRC	50,60	76,20	84,40
Rope 8x36S-IWRC 12	12,0	8x36S-IWRC	60,20	90,70	100,00
Rope 8x36S-IWRC 13	13,0	8x36S-IWRC	70,70	106,00	118,00
Rope 8x36S-IWRC 14	14,0	8x36S-IWRC	82,00	124,00	137,00
Rope 8x36S-IWRC 16	16,0	8x36S-IWRC	107,00	161,00	179,00
Rope 8x36S-IWRC 18	18,0	8x36S-IWRC	135,00	204,00	226,00
Rope 8x36S-IWRC 20	20,0	8x36S-IWRC	167,00	252,00	279,00
Rope 8x36S-IWRC 22	22,0	8x36S-IWRC	202,00	305,00	338,00
Rope 8x36S-IWRC 24	24,0	8x36S-IWRC	241,00	363,00	402,00
Rope 8x36S-IWRC 26	26,0	8x36S-IWRC	283,00	426,00	472,00
Rope 8x36S-IWRC 28	28,0	8x36S-IWRC	328,00	494,00	547,00
Rope 8x36S-IWRC 32	32,0	8x36S-IWRC	428,00	645,00	715,00
Rope 8x36S-IWRC 36	36,0	8x36S-IWRC	542,00	817,00	904,00
Rope 8x36S-IWRC 40	40,0	8x36S-IWRC	669,00	1010,00	1120,00
Rope 8x36S-IWRC 44	44,0	8x36S-IWRC	810,00	1220,00	1350,00

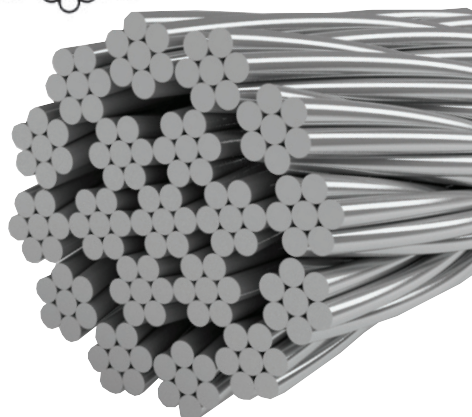
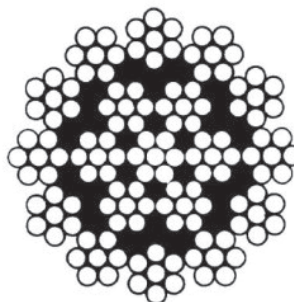


GALVANIZED STEEL ROPE 19x7

- galvanized steel rope, made in accordance with the standard 12385-4 with a natural steel core,
- fully untwisted rope,
- three-layer rope weave 19x7, rope construction: nineteen convoluted, - in each strand there are seven wires of the same diameter in three layers (1+6+12),
- very flexible, long-life, with excellent working performance,
- high crush resistance, high strength and fatigue parameters,
- used in many industries.



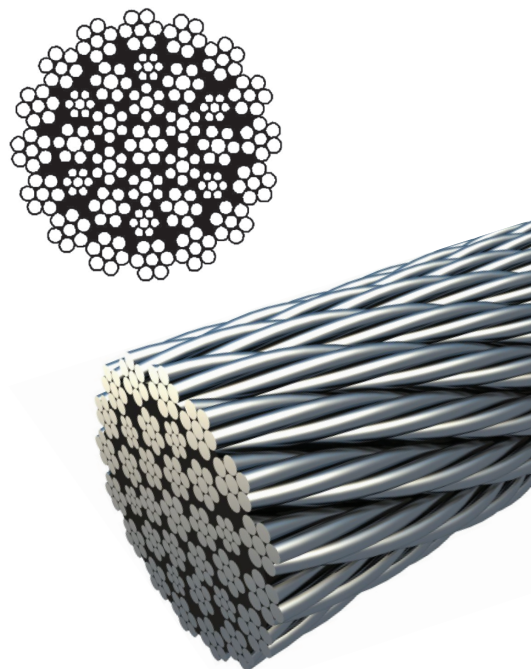
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength (N/mm ²)	
				1770	1960
Rope 19x7 4	4,0	19x7	6,40	9,30	10,29
Rope 19x7 5	5,0	19x7	10,00	14,50	16,10
Rope 19x7 6	6,0	19x7	14,40	20,90	23,10
Rope 19x7 7	7,0	19x7	19,70	28,50	31,50
Rope 19x7 8	8,0	19x7	25,70	37,20	41,10
Rope 19x7 9	9,0	19x7	32,50	47,00	52,10
Rope 19x7 10	11,0	19x7	40,10	58,10	64,30
Rope 19x7 11	11,0	19x7	48,50	70,20	77,80
Rope 19x7 12	12,0	19x7	58,00	83,60	92,60
Rope 19x7 13	13,0	19x7	67,80	98,10	109,00
Rope 19x7 14	14,0	19x7	79,00	114,00	126,00
Rope 19x7 16	16,0	19x7	103,00	149,00	165,00



GALVANIZED STEEL ROPE 35x7

- galvanized steel rope, made in accordance with the standard 12385-4 with a natural steel core,
- fully untwisted, flexible rope,
- four-layer weave 35 x 7, 35 - braided construction in each strand seven wires of the same diameter in four layers (1+6+12+16),
- excellent working performance with extended life,
- high crush resistance, high strength and fatigue parameters,
- used in many industries.

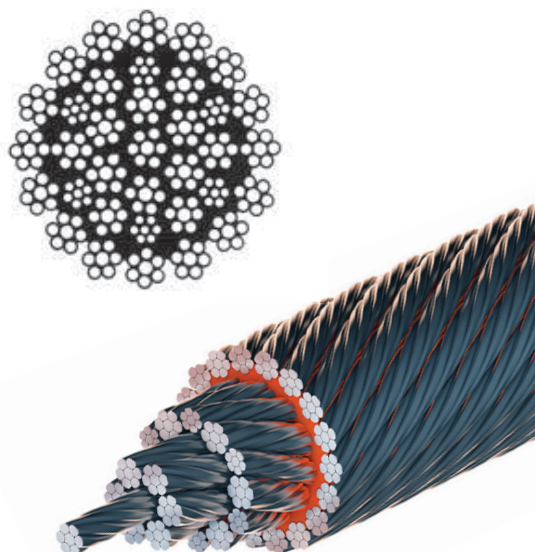
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength (N/mm²)	
				1960	2160
				Minimum breaking load (kN)	
Rope 35x7 8	8,0	35x7	29,10	45,20	48,40
Rope 35x7 9	9,0	35x7	36,80	57,20	61,20
Rope 35x7 10	10,0	35x7	45,40	70,60	75,60
Rope 35x7 11	11,0	35x7	54,90	85,40	91,50
Rope 35x7 12	12,0	35x7	65,40	102,00	109,00
Rope 35x7 13	13,0	35x7	76,70	119,00	128,00
Rope 35x7 14	14,0	35x7	89,00	138,00	148,00
Rope 35x7 16	16,0	35x7	116,00	181,00	194,00
Rope 35x7 18	18,0	35x7	147,00	229,00	245,00
Rope 35x7 20	20,0	35x7	182,00	282,00	302,00
Rope 35x7 22	22,0	35x7	220,00	342,00	366,00
Rope 35x7 24	24,0	35x7	262,00	406,00	435,00
Rope 35x7 26	26,0	35x7	307,00	476,00	511,00
Rope 35x7 28	28,0	35x7	356,00	553,00	593,00
Rope 35x7 32	32,0	35x7	465,00	723,00	774,00
Rope 35x7 36	36,0	35x7	588,00	914,00	980,00
Rope 35x7 38	38,0	35x7	655,60	1020,00	1091,00



COMPACT 35x7 GALVANIZED STEEL ROPE

- galvanized steel rope, made in accordance with the standard 12385-4 with a natural steel core,
- compacted - made of strands that are crushed during production (otherwise: pressed, hammered),
- non-twisting, flexible rope,
- our-layer weavey 35 x 7, - braided construction in each strand seven wires of the same diameter in four layers (1+6+12+16),
- excellent working performance with extended life,
- high crush resistance, high strength and fatigue parameters,
- use as a carrying rope for cranes.

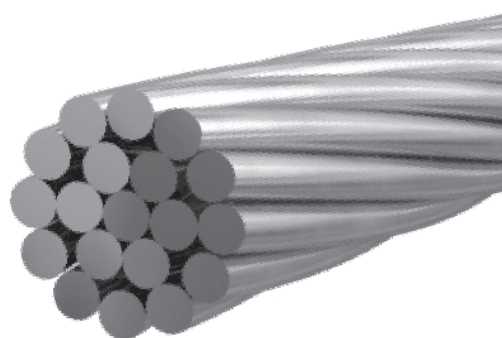
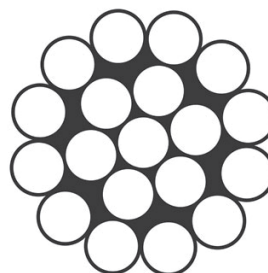
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength (N/mm²)	
				1960	2160
				Minimum breaking load (kN)	
Rope 35x7K 10	10,0	35x7K	48,00	87,60	98,30
Rope35x7K 11	11,0	35x7K	58,00	105,00	118,00
Rope35x7K 12	12,0	35x7K	68,00	124,00	140,00
Rope 35x7K 13	13,0	35x7K	81,00	144,00	162,00
Rope 35x7K 14	14,0	35x7K	94,00	168,00	188,00
Rope 35x7K 15	15,0	35x7K	108,00	196,20	206,00
Rope 35x7K 16	16,0	35x7K	122,00	224,00	251,00
Rope 35x7K 18	18,0	35x7K	155,00	274,00	308,00
Rope 35x7K 19	19,0	35x7K	173,00	307,00	344,00
Rope 35x7K 22	22,0	35x7K	241,00	415,00	466,00
Rope 35x7K 24	24,0	35x7K	284,00	491,00	555,00
Rope 35x7K 26	26,0	35x7K	335,00	588,00	660,00
Rope 35x7K 28	28,0	35x7K	391,00	676,00	758,00
Rope 35x7K 30	30,0	35x7K	446,00	794,00	900,00
Rope 35x7K 32	32,0	35x7K	53,00	873,00	980,00
Rope 35x7K 34	34,0	35x7K	574,00	1023,00	1105,00
Rope 35x7K 36	36,0	35x7K	642,00	1110,00	1232,00



STAINLESS STEEL ROPE 1x19

- stainless steel, acid-resistant rope, in accordance with the standard DIN 3053,
- two-layer weave 1x19, 12+6+1 - the rope consists of 19 wires in two layers,
- stiff, not very elastic but highly extensible,
- increased resistance to abrasion,
- tensile strength 1570 N/mm²,
- mainly used where the rope works only under tension, i.e. in industrial devices, as tension and guy ropes (masts, antenna constructions) and as suspension ropes (e.g. wires, cables).

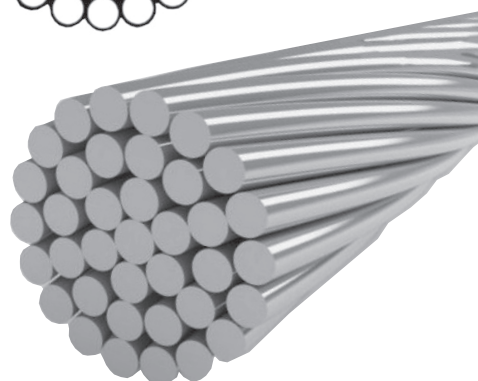
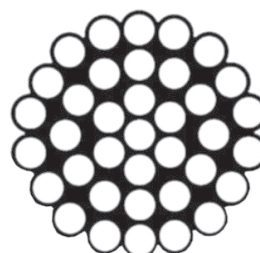
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength 1570 (N/mm ²) Minimum breaking load (kN)
Rope 1x19 INOX 1	1,00	1x19	0,50	0,825
Rope 1x19 INOX 1,5	1,50	1x19	1,11	1,860
Rope 1x19 INOX 2	2,00	1x19	1,98	3,300
Rope 1x19 INOX 2,5	2,50	1x19	3,10	5,150
Rope 1x19 INOX 3	3,00	1x19	4,46	7,420
Rope 1x19 INOX 4	4,00	1x19	7,93	13,200
Rope 1x19 INOX 5	5,00	1x19	12,40	20,600
Rope 1x19 INOX 6	6,00	1x19	17,80	29,700



STAINLESS STEEL ROPE 1x37

- stainless steel, acid-resistant rope, in accordance with the standard DIN 3054,
- single layer weave, the strand is twisted in three operations, a structure that contains three layers of wires wound on a central wire – 1-6/12/18,
- very stiff, not very elastic but highly extensible,
- greater flexibility with less abrasion resistance,
- tensile strength 1570 N/mm²,
- use: (the rope only works on stretching): industrial equipment in cars (brake and gas cables) as tension and suction cables as well as suspension cables.

Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength 1570 (N/mm ²) Minimum breaking load (kN)
Rope 1x37 INOX 1	1,00	1x37	5,00	950,6
Rope 1x37 INOX 1,2	1,20	1x37	7,20	1274,0
Rope 1x37 INOX 1,5	1,50	1x37	11,25	2254,0
Rope 1x37 INOX 1,6	1,60	1x37	12,80	2597,0
Rope 1x37 INOX 1,8	1,80	1x37	16,20	3200,0
Rope 1x37 INOX 2	2,00	1x37	20,20	3822,0
Rope 1x37 INOX 2,5	2,50	1x37	31,25	5586,0
Rope 1x37 INOX 3	3,00	1x37	45,00	8000,0
Rope 1x37 INOX 3,5	3,50	1x37	61,25	9310,0
Rope 1x37 INOX 4	4,00	1x37	80,00	12740,0
Rope 1x37 INOX 5	5,00	1x37	125,00	18900,0
Rope 1x37 INOX 6	6,00	1x37	180,00	26000,0
Rope 1x37 INOX 8	8,00	1x37	320,00	45000,0
Rope 1x37 INOX 10	10,00	1x37	500,00	72000,0
Rope 1x37 INOX 12	12,00	1x37	720,00	101000,0



STAINLESS STEEL ROPE 7x7

- stainless steel, acid-resistant rope, in accordance with the standard 12385-4,
- single layer weave 7x7; 7 - number of weaves, 7 - number of individual wires in the weave,
- with a steel core in the form of strandsi WSC – the same construction as the rope strands,
- soft rope, medium elasticity and high load capacity,
- has increased resistance to chemical agents,
- recommended especially for acid and alkaline environments, where galvanized ropes are subject to accelerated corrosion,
- used in the food, chemical, pharmaceutical, yacht and water sports industries,

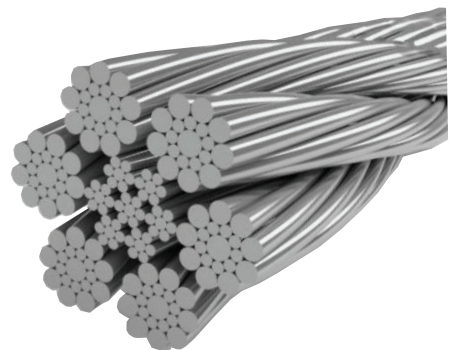
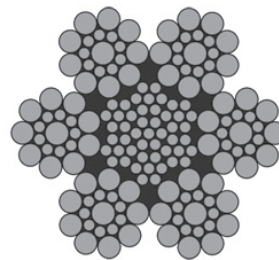
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength 1570 (N/mm ²) Minimum breaking load (kN)
Rope 7x7 INOX 1	1,00	7x7	0,38	0,61
Rope 7x7 INOX 2	2,00	7x7	1,54	2,44
Rope 7x7 INOX 3	3,00	7x7	3,46	5,48
Rope 7x7 INOX 4	4,00	7x7	6,14	9,75
Rope 7x7 INOX 5	5,00	7x7	9,60	15,20
Rope 7x7 INOX 6	6,00	7x7	13,80	21,90



STAINLESS STEEL ROPE 6x19 IWRC

- stainless steel, acid-resistant rope, in accordance with the standard 12385-4,
- three-layer weave 6x19+IWRC, arrangement of wires in a strand 1-9-9, Seale type - strand with parallel winding with the same number of wires in both layers, IWRC - steel core in the form of an independent rope,
- has increased resistance to chemical agents,
- recommended especially for acid and alkaline environments, where galvanized ropes are subject to accelerated corrosion.

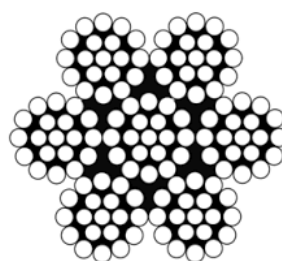
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength 1570 (N/mm ²) Minimum breaking load (kN)
Rope 6x19 INOX 3	3,00	6x19	3,10	4,34
Rope 6x19 INOX 4	4,00	6x19	5,50	7,71
Rope 6x19 INOX 5	5,00	6x19	8,70	12,00
Rope 6x19 INOX 6	6,00	6x19	13,00	17,40
Rope 6x19 INOX 7	7,00	6x19	17,00	23,60
Rope 6x19 INOX 8	8,00	6x19	22,00	30,80
Rope 6x19 INOX 9	9,00	6x19	28,00	39,00
Rope 6x19 INOX 10	10,00	6x19	35,00	48,20
Rope 6x19 INOX 12	12,00	6x19	50,00	69,40



STAINLESS STEEL ROPE 7x19

- stainless steel, acid-resistant rope, in accordance with the standard 12385-4,
- three-layer weave 6x19+IWRC, in each strand 19 wires of the same diameter, in three layers (1+6+12); steel core (WSC),
- tensile strength 1570 N/mm²,
- has increased resistance to chemical agents,
- recommended especially for acid and alkaline environments, where galvanized ropes are subject to accelerated corrosion.

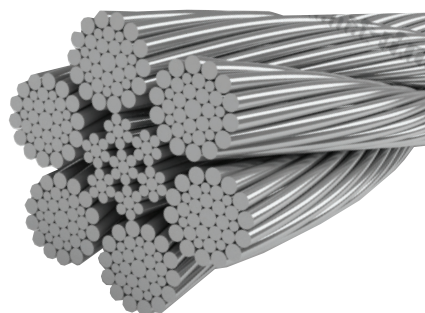
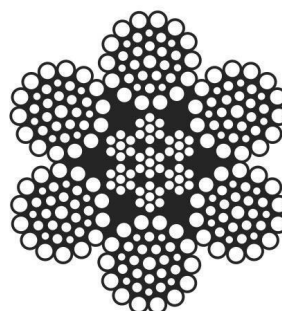
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength 1570 (N/mm ²) Minimum breaking load (kN)
Rope 7x19 INOX 3	1,00	7x19	3,40	5,12
Rope 7x19 INOX 4	1,50	7x19	6,10	9,09
Rope 7x19 INOX 5	2,00	7x19	9,50	14,20
Rope 7x19 INOX 6	2,50	7x19	13,80	20,50
Rope 7x19 INOX 7	3,00	7x19	18,70	27,80
Rope 7x19 INOX 8	4,00	7x19	24,30	36,40
Rope 7x19 INOX 10	5,00	7x19	38,10	56,80
Rope 7x19 INOX 12	6,00	7x19	54,80	81,80



STAINLESS STEEL ROPE 6x36 WS/IWRC

- stainless steel, acid-resistant rope, in accordance with the standard 12385-4,
- single layer rope weave (number of strands 6, arrangement of wires in a strand 1+7+7+14), steel core IWRC,
- the most flexible and most durable rope among ropes 6 strands (not compact). The 6x36 Warrington-Seale weave provides a very large metallic cross-sectional area. This is associated with high rope strength while maintaining high flexibility.
- tensile strength 1570 N/mm²,
- has increased resistance to chemical agents,
- recommended especially for acid and alkaline environments, where galvanized ropes are subject to accelerated corrosion,
- recommended for all types of electric and mechanical winches: high flexibility allows winding the rope on small diameter drums, while the steel core protects the rope against crushing on the lower layers of the drum.

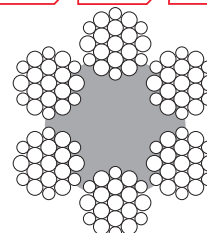
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength 1570 (N/mm ²) Minimum breaking load (kN)
Rope 6x36 WS-IWRC INOX 10	10,00	6x36 WS-IWRC	40,90	55,90
Rope 6x36 WS-IWRC INOX 12	12,00	6x36 WS-IWRC	58,90	80,50
Rope 6x36 WS-IWRC INOX 14	14,00	6x36 WS-IWRC	80,16	110,00
Rope 6x36 WS-IWRC INOX 16	16,00	6x36 WS-IWRC	104,70	143,00
Rope 6x36 WS-IWRC INOX 18	18,00	6x36 WS-IWRC	132,50	181,00
Rope 6x36 WS-IWRC INOX 20	20,00	6x36 WS-IWRC	163,60	224,00
Rope 6x36 WS-IWRC INOX 22	22,00	6x36 WS-IWRC	198,00	271,00
Rope 6x36 WS-IWRC INOX 24	24,00	6x36 WS-IWRC	236,00	322,00



SPECIALIST ROPE 6x19W +FC

- specialist rope made of galvanized steel,
- in accordance with the standard 12385-5,
- three-layer weave 6x19W+FC; fiber core (FC), • tensile strenght 1770 N/mm².

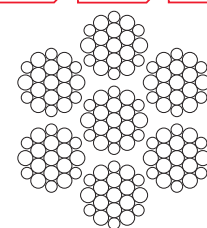
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength (N/mm ²)		cross-sectional area mm ²
				1570	1770	
Spec. rope 6x19W+FC 6,0	6,00	6x19W+FC	0,132	19,40	21,90	14,7
Spec. rope 6x19W+FC 6,5	6,50	6x19W+FC	0,155	22,80	25,70	17,2
Spec. rope 6x19W+FC 7,0	7,00	6x19W+FC	0,179	26,40	29,80	20,0
Spec. rope 6x19W+FC 8,0	8,00	6x19W+FC	0,235	34,50	38,90	26,2



SPECIALIST ROPE 6x19W +WSC

- specialist rope made of galvanized steel,
- in accordance with the standard 12385-5,
- three-layer weave 6x19W+WSC; spring wire core (WSC),
- tensile strenght 1770 N/mm².

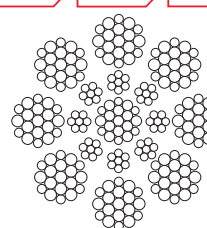
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength 1770 (N/mm ²) Minimum breaking load (kN)	cross-sectional area mm ²
Spec. rope 6x19W+WSC 6.0	6.00	6x19W+FC	0,148	23.60	17.2



SPECIALIST ROPE 8x19W +IWRC

- specialist rope made of galvanized steel,
- in accordance with the standard 12385-5,
- three-layer weave 6x19W+IWRC; steel wire core (IWRC),
- tensile strenght 1770 N/mm².

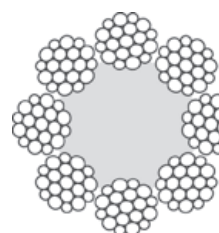
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength (N/mm ²)		cross-sectional area mm ²
				1570	1770	
Spec. rope 8x19W+IWRC 6,5	6,50	8x19W+IWRC	0,177	-	31,50	20,1
Spec. rope 8x19W+IWRC 8,0	8,00	8x19W+IWRC	0,268	43,30	46,60	30,4



SPECIALIST ROPE 8x19W +FC

- specialist rope made of galvanized steel,
- in accordance with the standard 12385-5,
- three-layer weave 8x19W+FC; fiber core (FC), • tensile strenght 1570 N/mm².

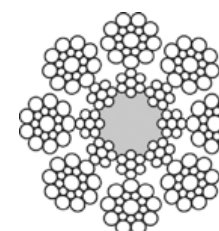
Type	Dimension diameter (mm)	Constr. RHRL	Weight kg/100m	Tensile strength 1570 (N/mm ²) Minimum breaking load (kN)	cross-sectional area mm ²
Spec. rope 8x19W+FC 8,0	8,00	8x19W+FC	0,225	29,40	23,2
Spec. rope 8x19W+FC 9,0	9,00	8x19W+FC	0,283	37,30	29,4
Spec. rope 8x19W+FC 10,0	10,00	8x19W+FC	0,350	46,00	36,3
Spec. rope 8x19W+FC 11,0	11,00	8x19W+FC	0,423	55,70	43,9
Spec. rope 8x19W+FC 12,0	12,00	8x19W+FC	0,505	66,20	52,3
Spec. rope 8x19W+FC 13,0	13,00	8x19W+FC	0,592	77,40	60,1
Spec. rope 8x19W+FC 14,0	14,00	8x19W+FC	0,686	90,20	71,1
Spec. rope 8x19W+FC 16,0	16,00	8x19W+FC	0,896	118,00	92,9



SPECIALIST ROPE K-200S

- specialist rope made of galvanized steel, • in accordance with the standard 12385-5,
- tensile strenght 1570 N/mm².

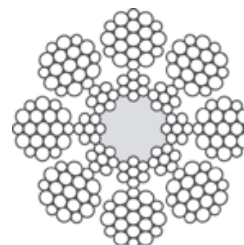
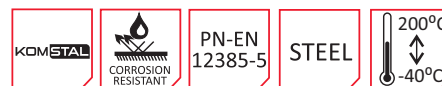
Type	Dimension diameter (mm)	Weight kg/100m	Tensile strength 1570 (N/mm ²) Minimum breaking load (kN)	cross-sectional area mm ²
Spec. rope K-200S 8,0	8,00	0,243	38,50	27,4
Spec. rope K-200S 10,0	10,00	0,379	58,90	42,8
Spec. rope K-200S 11,0	11,00	0,456	73,20	51,7
Spec. rope K-200S 12,0	12,00	0,544	84,90	61,6
Spec. rope K-200S 13,0	13,00	0,645	101,90	72,3
Spec. rope K-200S 14,0	14,00	0,745	118,20	83,9
Spec. rope K-200S 16,0	16,00	0,971	150,00	109,5



SPECIALIST ROPE K-200W

- specialist rope made of galvanized steel,
- in accordance with the standard 12385-5,
- tensile strength 1570 N/mm².

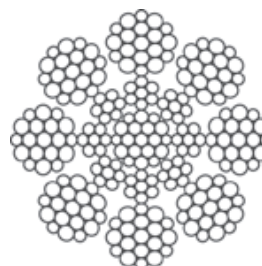
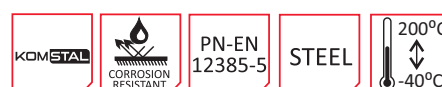
Type	Dimension diameter (mm)	Weight kg/100m	Tensile strength 1570 (N/mm ²) Minimum breaking load (kN)	cross-sectional area mm ²
Spec. rope K-200W 8,0	8,00	0,250	40,00	28,5
Spec. rope K-200W 10,0	10,00	0,394	61,30	44,5
Spec. rope K-200W 11,0	11,00	0,470	76,10	53,8
Spec. rope K-200W 12,0	12,00	0,560	88,30	64,1
Spec. rope K-200W 13,0	13,00	0,660	106,00	75,2
Spec. rope K-200W 14,0	14,00	0,767	123,00	87,2
Spec. rope K-200W 16,0	16,00	1,020	156,00	113,9



SPECIALIST ROPE K-240W

- specialist rope made of galvanized steel,
- in accordance with the standard 12385-5,
- tensile strength 1570 N/mm².

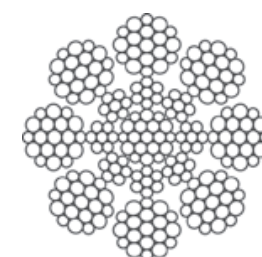
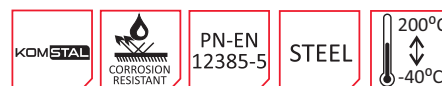
Type	Dimension diameter (mm)	Weight kg/100m	Tensile strength 1570 (N/mm ²) Minimum breaking load (kN)	cross-sectional area mm ²
Spec. rope K-240W 8,0	8,00	0,268	43,30	30,4
Spec. rope K-240W 10,0	10,00	0,423	67,70	49,4
Spec. rope K-240W 11,0	11,00	0,512	81,90	59,7
Spec. rope K-240W 12,0	12,00	0,610	97,40	71,7
Spec. rope K-240W 13,0	13,00	0,715	114,00	83,4
Spec. rope K-240W 14,0	14,00	0,829	133,00	96,7
Spec. rope K-240W 16,0	16,00	1,083	173,00	126,0



SPECIALIST ROPE K-240W

- specialist rope made of galvanized steel,
- in accordance with the standard 12385-5,
- tensile strength 1770 N/mm².

Type	Dimension diameter (mm)	Weight kg/100m	Tensile strength 1770 (N/mm ²) Minimum breaking load (kN)	cross-sectional area mm ²
Spec. rope K-240W 6,5	6,50	0,177	31,50	20,1



SPECIALIST ROPE K-280S

- specialist rope made of galvanized steel,
- in accordance with the standard 12385-5,
- tensile strength 1770 N/mm².

Type	Dimension diameter (mm)	Weight kg/100m	Tensile strength 1770 (N/mm ²) Minimum breaking load (kN)	cross-sectional area mm ²
Spec. rope K-280S 8,0	8,00	0,261	44,90	30,8

