

## Steel Wire Rope Verotop

### Product information



**Wire rope construction:** verotop is a very flexible rotation-resistant rope with compacted strands.

#### Features:

- 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.**

**Marking:** According to standard

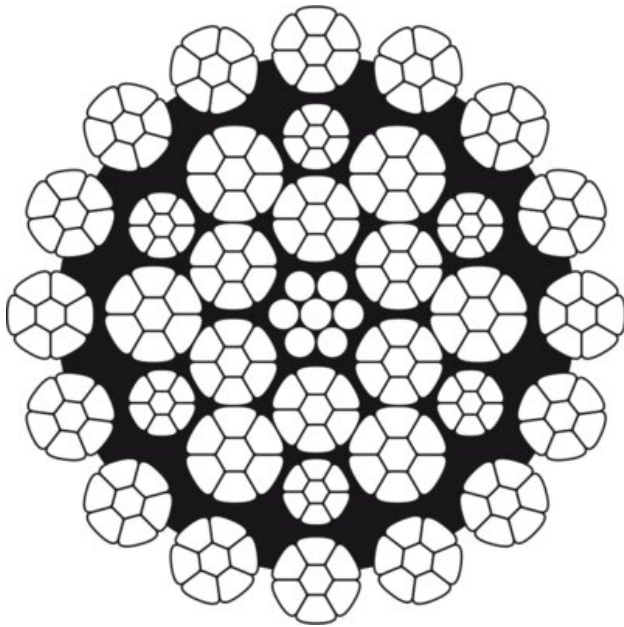
**Standard:** EN 12385-4

**Note:** Verotop can be used either with or without swivel.

**Fill factor:** 0,738

**RCN:** 23-2

**Tolerance Ø:** +2% to +4%



Tower crane



Mobile crane



Crawler crane



Piling crane



Truck crane



Self-erected crane



Luffing crane



Jib crane



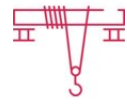
Offshore crane



Deck crane

Knuckle boom crane

Overhead cranes



Part Code	Rope Diameter, mm	Tensile strength N/mm <sup>2</sup>	Steel area mm <sup>2</sup>	Min. Breaking force, kN	Finish	Rope lay.	Weight kg/100m
104101105070129	11	1,960	70	115.5	Bright	sS	59
104101106070129	11	1,960	70	115.5	Bright	zZ	59
104101105270129	11	1,960	70	115.5	Galvanized	sS	59
104101105100129	11	2,160	70	118.6	Bright	sS	59
104101106100129	11	2,160	70	118.6	Bright	zZ	59
104101105300129	11	2,160	70	118.6	Galvanized	sS	59
104101106300129	11	2,160	70	118.6	Galvanized	zZ	59
104101205070129	12	1,960	83	137.4	Bright	sS	71
104101206070129	12	1,960	83	137.4	Bright	zZ	71
104101205270129	12	1,960	83	137.4	Galvanized	sS	71
104101206270129	12	1,960	83	137.4	Galvanized	zZ	71
104101205100129	12	2,160	83	141.2	Bright	sS	71
104101206100129	12	2,160	83	141.2	Bright	zZ	71
104101205300129	12	2,160	83	141.2	Galvanized	sS	71
104101206300129	12	2,160	83	141.2	Galvanized	zZ	71
104101275070129	12.7	1,960	93	153.9	Bright	sS	79
104101276070129	12.7	1,960	93	153.9	Bright	zZ	79
104101275270129	12.7	1,960	93	153.9	Galvanized	sS	79

104101276270129	12.7	1,960	93	153.9	Galvanized	zZ	79
104101275100129	12.7	2,160	93	158.1	Bright	sS	79
104101276100129	12.7	2,160	93	158.1	Bright	zZ	79
104101275300129	12.7	2,160	93	158.1	Galvanized	sS	79
104101276300129	12.7	2,160	93	158.1	Galvanized	zZ	79
104101305070129	13	1,960	98	161.3	Bright	sS	83
104101306070129	13	1,960	98	161.3	Bright	zZ	83
104101305270129	13	1,960	98	161.3	Galvanized	sS	83
104101306270129	13	1,960	98	161.3	Galvanized	zZ	83
104101305100129	13	2,160	98	165.7	Bright	sS	83
104101306100129	13	2,160	98	165.7	Bright	zZ	83
104101305300129	13	2,160	98	165.7	Galvanized	sS	83
104101306300129	13	2,160	98	165.7	Galvanized	zZ	83
104101405070129	14	1,960	114	187	Bright	sS	96
104101406070129	14	1,960	114	187	Bright	zZ	96
104101405270129	14	1,960	114	187	Galvanized	sS	96
104101406270129	14	1,960	114	187	Galvanized	zZ	96
104101405100129	14	2,160	114	192.2	Bright	sS	96
104101406100129	14	2,160	114	192.2	Bright	zZ	96
104101405300129	14	2,160	114	192.2	Galvanized	sS	96
104101406300129	14	2,160	114	192.2	Galvanized	zZ	96
104101505070129	15	1,960	130	214.7	Bright	sS	110
104101506070129	15	1,960	130	214.7	Bright	zZ	110

104101505270129	15	1,960	130	214.7	Galvanized	sS	110
104101506270129	15	1,960	130	214.7	Galvanized	zZ	110
104101505100129	15	2,160	130	220.6	Bright	sS	110
104101506100129	15	2,160	130	220.6	Bright	zZ	110
104101505300129	15	2,160	130	220.6	Galvanized	sS	110
104101506300129	15	2,160	130	220.6	Galvanized	zZ	110
104101605070129	16	1,960	148	244.3	Bright	sS	125
104101606070129	16	1,960	148	244.3	Bright	zZ	125
104101605270129	16	1,960	148	244.3	Galvanized	sS	125
104101606270129	16	1,960	148	244.3	Galvanized	zZ	125
104101605100129	16	2,160	148	251	Bright	sS	125
104101606100129	16	2,160	148	251	Bright	zZ	125
104101605300129	16	2,160	148	251	Galvanized	sS	125
104101606300129	16	2,160	148	251	Galvanized	zZ	125
104101705070129	17	1,960	168	275.8	Bright	sS	142
104101706070129	17	1,960	168	275.8	Bright	zZ	142
104101705270129	17	1,960	168	275.8	Galvanized	sS	142
104101706270129	17	1,960	168	275.8	Galvanized	zZ	142
104101705100129	17	2,160	168	283.3	Bright	sS	142
104101706100129	17	2,160	168	283.3	Bright	zZ	142
104101705300129	17	2,160	168	283.3	Galvanized	sS	142
104101706300129	17	2,160	168	283.3	Galvanized	zZ	142
104101805070129	18	1,960	188	309.2	Bright	sS	159

104101806070129	18	1,960	188	309.2	Bright	zZ	159
104101805270129	18	1,960	188	309.2	Galvanized	sS	159
104101806270129	18	1,960	188	309.2	Galvanized	zZ	159
104101805100129	18	2,160	188	317.7	Bright	sS	159
104101806100129	18	2,160	188	317.7	Bright	zZ	159
104101805300129	18	2,160	188	317.7	Galvanized	sS	159
104101806300129	18	2,160	188	317.7	Galvanized	zZ	159
104101905070129	19	1,960	209	344.5	Bright	sS	177
104101906070129	19	1,960	209	344.5	Bright	zZ	177
104101905270129	19	1,960	209	344.5	Galvanized	sS	177
104101906270129	19	1,960	209	344.5	Galvanized	zZ	177
104101905100129	19	2,160	209	353.9	Bright	sS	177
104101906100129	19	2,160	209	353.9	Bright	zZ	177
104101905300129	19	2,160	209	353.9	Galvanized	sS	177
104101906300129	19	2,160	209	353.9	Galvanized	zZ	177
104102005070129	20	1,960	232	381.7	Bright	sS	196
104102006070129	20	1,960	232	381.7	Bright	zZ	196
104102005270129	20	1,960	232	381.7	Galvanized	sS	196
104102006270129	20	1,960	232	381.7	Galvanized	zZ	196
104102005100129	20	2,160	232	392.2	Bright	sS	196
104102006100129	20	2,160	232	392.2	Bright	zZ	196
104102005300129	20	2,160	232	392.2	Galvanized	sS	196
104102006300129	20	2,160	232	392.2	Galvanized	zZ	196

104102105070129	21	1,960	256	420.8	Bright	sS	216
104102106070129	21	1,960	256	420.8	Bright	zZ	216
104102105270129	21	1,960	256	420.8	Galvanized	sS	216
104102106270129	21	1,960	256	420.8	Galvanized	zZ	216
104102105100129	21	2,160	256	432.4	Bright	sS	216
104102106100129	21	2,160	256	432.4	Bright	zZ	216
104102105300129	21	2,160	256	432.4	Galvanized	sS	216
104102106300129	21	2,160	256	432.4	Galvanized	zZ	216
104102205070129	22	1,960	281	461.9	Bright	sS	237
104102206070129	22	1,960	281	461.9	Bright	zZ	237
104102205270129	22	1,960	281	461.9	Galvanized	sS	237
104102206270129	22	1,960	281	461.9	Galvanized	zZ	237
104102205100129	22	2,160	281	474.5	Bright	sS	237
104102206100129	22	2,160	281	474.5	Bright	zZ	237
104102205300129	22	2,160	281	474.5	Galvanized	sS	237
104102206300129	22	2,160	281	474.5	Galvanized	zZ	237
104102245070129	22.4	1,960	286	478.8	Bright	sS	245
104102246070129	22.4	1,960	286	487.8	Bright	zZ	245
104102245270129	22.4	1,960	286	487.8	Galvanized	sS	245
104102246270129	22.4	1,960	286	487.8	Galvanized	zZ	245
104102245100129	22.4	2,160	286	491.9	Bright	sS	245
104102246100129	22.4	2,160	286	491.9	Bright	zZ	245
104102245300129	22.4	2,160	286	491.9	Galvanized	sS	245

104102246300129	22.4	2,160	286	491.9	Galvanized	zZ	245
104102305070129	23	1,960	307	504.8	Bright	sS	259
104102306070129	23	1,960	307	504.8	Bright	zZ	259
104102305270129	23	1,960	307	504.8	Galvanized	sS	259
104102306270129	23	1,960	307	504.8	Galvanized	zZ	259
104102305100129	23	2,160	307	518.6	Bright	sS	259
104102306100129	23	2,160	307	518.6	Bright	zZ	259
104102305300129	23	2,160	307	518.6	Galvanized	sS	259
104102306300129	23	2,160	307	518.6	Galvanized	zZ	259
104102405070129	24	1,960	334	549.7	Bright	sS	282
104102406070129	24	1,960	334	549.7	Bright	zZ	282
104102405270129	24	1,960	334	549.7	Galvanized	sS	282
104102406270129	24	1,960	334	549.7	Galvanized	zZ	282
104102405100129	24	2,160	334	564.7	Bright	sS	282
104102406100129	24	2,160	334	564.7	Bright	zZ	282
104102405300129	24	2,160	334	564.7	Galvanized	sS	282
104102406300129	24	2,160	334	564.7	Galvanized	zZ	282
104102505070129	25	1,960	362	596.4	Bright	sS	306
104102506070129	25	1,960	362	596.4	Bright	zZ	306
104102505270129	25	1,960	362	596.4	Galvanized	sS	306
104102506270129	25	1,960	362	596.4	Galvanized	zZ	306
104102505100129	25	2,160	362	612.8	Bright	sS	306
104102506100129	25	2,160	362	612.8	Bright	zZ	306

104102505300129	25	2,160	362	612.8	Galvanized	sS	306
104102506300129	25	2,160	362	612.8	Galvanized	zZ	306
104102545070129	25.4	1,960	374	615.7	Bright	sS	316
104102546070129	25.4	1,960	374	615.7	Bright	zZ	316
104102545270129	25.4	1,960	374	615.7	Galvanized	sS	316
104102546270129	25.4	1,960	374	615.7	Galvanized	zZ	316
104102545100129	25.4	2,160	374	632.5	Bright	sS	316
104102546100129	25.4	2,160	374	632.5	Bright	zZ	316
104102545300129	25.4	2,160	374	632.5	Galvanized	sS	316
104102546300129	25.4	2,160	374	632.5	Galvanized	zZ	316
104102605070129	26	1,960	392	645.1	Bright	sS	331
104102606070129	26	1,960	392	645.1	Bright	zZ	331
104102605270129	26	1,960	392	645.1	Galvanized	sS	331
104102606270129	26	1,960	392	645.1	Galvanized	zZ	331
104102605100129	26	2,160	392	662.8	Bright	sS	331
104102606100129	26	2,160	392	662.8	Bright	zZ	331
104102605300129	26	2,160	392	662.8	Galvanized	sS	331
104102606300129	26	2,160	392	662.8	Galvanized	zZ	331
104102705070129	27	1,960	423	695.7	Bright	sS	357
104102706070129	27	1,960	423	695.7	Bright	zZ	357
104102705270129	27	1,960	423	695.7	Galvanized	sS	357
104102706270129	27	1,960	423	695.7	Galvanized	zZ	357
104102705100129	27	2,160	423	714.7	Bright	sS	357



104102706100129	27	2,160	423	714.7	Bright	zZ	357
104102705300129	27	2,160	423	714.7	Galvanized	sS	357
104102706300129	27	2,160	423	714.7	Galvanized	zZ	357
104102805070129	28	1,960	454	748.2	Bright	sS	384
104102806070129	28	1,960	454	748.2	Bright	zZ	384
104102805270129	28	1,960	454	748.2	Galvanized	sS	384
104102806270129	28	1,960	454	748.2	Galvanized	zZ	384
104102805100129	28	2,160	454	768.7	Bright	sS	384
104102806100129	28	2,160	454	768.7	Bright	zZ	384
104102805300129	28	2,160	454	768.7	Galvanized	sS	384
104102806300129	28	2,160	454	768.7	Galvanized	zZ	384
104102865070129	28.6	1,960	474	780.6	Bright	sS	401
104102866070129	28.6	1,960	474	780.6	Bright	zZ	401
104102865270129	28.6	1,960	474	780.6	Galvanized	sS	401
104102866270129	28.6	1,960	474	780.6	Galvanized	zZ	401
104102865100129	28.6	2,160	474	802	Bright	sS	401
104102866100129	28.6	2,160	474	802	Bright	zZ	401
104102865300129	28.6	2,160	474	802	Galvanized	sS	401
104102866300129	28.6	2,160	474	802	Galvanized	zZ	401
104102905070129	29	1,960	487	802.6	Bright	sS	412
104102906070129	29	1,960	487	802.6	Bright	zZ	412
104102905270129	29	1,960	487	802.6	Galvanized	sS	412
104102906270129	29	1,960	487	802.6	Galvanized	zZ	412

104102905100129	29	2,160	487	824.5	Bright	sS	412
104102906100129	29	2,160	487	824.5	Bright	zZ	412
104102905300129	29	2,160	487	824.5	Galvanized	sS	412
104102906300129	29	2,160	487	824.5	Galvanized	zZ	412
104103005070129	30	1,960	522	858.9	Bright	sS	441
104103006070129	30	1,960	522	858.9	Bright	zZ	441
104103005270129	30	1,960	522	858.9	Galvanized	sS	441
104103006270129	30	1,960	522	858.9	Galvanized	zZ	441
104103005100129	30	2,160	522	882.4	Bright	sS	441
104103006100129	30	2,160	522	882.4	Bright	zZ	441
104103005300129	30	2,160	522	882.4	Galvanized	sS	441
104103006300129	30	2,160	522	882.4	Galvanized	zZ	441
104103105070129	31	1,960	557	917.1	Bright	sS	471
104103106070129	31	1,960	557	917.1	Bright	zZ	471
104103105270129	31	1,960	557	917.1	Galvanized	sS	471
104103106270129	31	1,960	557	917.1	Galvanized	zZ	471
104103105100129	31	2,160	557	942.2	Bright	sS	471
104103106100129	31	2,160	557	942.2	Bright	zZ	471
104103105300129	31	2,160	557	942.2	Galvanized	sS	471
104103106300129	31	2,160	557	942.2	Galvanized	zZ	471
104103205070129	32	1,960	594	977.2	Bright	sS	502
104103206070129	32	1,960	594	977.2	Bright	zZ	502
104103205270129	32	1,960	594	977.2	Galvanized	sS	502

104103206270129	32	1,960	594	977.2	Galvanized	zZ	502
104103205100129	32	2,160	594	1,004	Bright	sS	502
104103206100129	32	2,160	594	1,004	Bright	zZ	502
104103205300129	32	2,160	594	1,004	Galvanized	sS	502
104103206300129	32	2,160	594	1,004	Galvanized	zZ	502
104103305070129	33	1,960	631	1,039	Bright	sS	533
104103306070129	33	1,960	631	1,039	Bright	zZ	533
104103305270129	33	1,960	631	1,039	Galvanized	sS	533
104103306270129	33	1,960	631	1,039	Galvanized	zZ	533
104103305100129	33	2,160	631	1,068	Bright	sS	533
104103306100129	33	2,160	631	1,068	Bright	zZ	533
104103305300129	33	2,160	631	1,068	Galvanized	sS	533
104103306300129	33	2,160	631	1,068	Galvanized	zZ	533
104103405070129	34	1,960	670	1,103	Bright	sS	566
104103406070129	34	1,960	670	1,103	Bright	zZ	566
104103405270129	34	1,960	670	1,103	Galvanized	sS	566
104103406270129	34	1,960	670	1,103	Galvanized	zZ	566
104103405100129	34	2,160	670	1,133	Bright	sS	566
104103406100129	34	2,160	670	1,133	Bright	zZ	566
104103405300129	34	2,160	670	1,133	Galvanized	sS	566
104103406300129	34	2,160	670	1,133	Galvanized	zZ	566
104103505070129	35	1,960	710	1,169	Bright	sS	600
104103506070129	35	1,960	710	1,169	Bright	zZ	600

104103505270129	35	1,960	710	1,169	Galvanized	sS	600
104103506270129	35	1,960	710	1,169	Galvanized	zZ	600
104103505100129	35	2,160	710	1,201	Bright	sS	600
104103506100129	35	2,160	710	1,201	Bright	zZ	600
104103505300129	35	2,160	710	1,201	Galvanized	sS	600
104103506300129	35	2,160	710	1,201	Galvanized	zZ	600
104103605070129	36	1,960	751	1,237	Bright	sS	635
104103606070129	36	1,960	751	1,237	Bright	zZ	635
104103605270129	36	1,960	751	1,237	Galvanized	sS	635
104103606270129	36	1,960	751	1,237	Galvanized	zZ	635
104103605100129	36	2,160	751	1,271	Bright	sS	635
104103606100129	36	2,160	751	1,271	Bright	zZ	635
104103605300129	36	2,160	751	1,271	Galvanized	sS	635
104103606300129	36	2,160	751	1,271	Galvanized	zZ	635
104103805070129	38	1,960	837	1,378	Bright	sS	707
104103806070129	38	1,960	837	1,378	Bright	zZ	707
104103805270129	38	1,960	837	1,378	Galvanized	sS	707
104103806270129	38	1,960	837	1,378	Galvanized	zZ	707
104103805100129	38	2,160	837	1,416	Bright	sS	707
104103806100129	38	2,160	837	1,416	Bright	zZ	707
104103805300129	38	2,160	837	1,416	Galvanized	sS	707
104103806300129	38	2,160	837	1,416	Galvanized	zZ	707
104104005070129	40	1,960	927	1,527	Bright	sS	784

104104006070129	40	1,960	927	1,527	Bright	zZ	784
104104005270129	40	1,960	927	1,527	Galvanized	sS	784
104104006270129	40	1,960	927	1,527	Galvanized	zZ	784
104104005100129	40	2,160	927	1,569	Bright	sS	784
104104006100129	40	2,160	927	1,569	Bright	zZ	784
104104005300129	40	2,160	927	1,569	Galvanized	sS	784
104104006300129	40	2,160	927	1,569	Galvanized	zZ	784
104104105070129	41	1,960	974	1,604	Bright	sS	823
104104106070129	41	1,960	974	1,604	Bright	zZ	823
104104105270129	41	1,960	974	1,604	Galvanized	sS	823
104104106270129	41	1,960	974	1,604	Galvanized	zZ	823
104104105100129	41	2,160	974	1,648	Bright	sS	823
104104106100129	41	2,160	974	1,648	Bright	zZ	823
104104105300129	41	2,160	974	1,648	Galvanized	sS	823
104104106300129	41	2,160	974	1,648	Galvanized	zZ	823
104104205070129	42	1,960	1,022	1,683	Bright	sS	864
104104206070129	42	1,960	1,022	1,683	Bright	zZ	864
104104205270129	42	1,960	1,022	1,683	Galvanized	sS	864
104104206270129	42	1,960	1,022	1,683	Galvanized	zZ	864
104104205100129	42	2,160	1,022	1,729	Bright	sS	864
104104206100129	42	2,160	1,022	1,729	Bright	zZ	864
104104205300129	42	2,160	1,022	1,729	Galvanized	sS	864
104104206300129	42	2,160	1,022	1,729	Galvanized	zZ	864

104104305070129	43	1,960	1,072	1,764	Bright	sS	906
104104306070129	43	1,960	1,072	1,764	Bright	zZ	906
104104305270129	43	1,960	1,072	1,764	Galvanized	sS	906
104104306270129	43	1,960	1,072	1,764	Galvanized	zZ	906
104104305100129	43	2,160	1,072	1,813	Bright	sS	906
104104306100129	43	2,160	1,072	1,813	Bright	zZ	906
104104305300129	43	2,160	1,072	1,813	Galvanized	sS	906
104104306300129	43	2,160	1,072	1,813	Galvanized	zZ	906
104104405070129	44	1,960	1,122	1,848	Bright	sS	948
104104406070129	44	1,960	1,122	1,848	Bright	zZ	948
104104405270129	44	1,960	1,122	1,848	Galvanized	sS	948
104104406270129	44	1,960	1,122	1,848	Galvanized	zZ	948
104104405100129	44	2,160	1,122	1,898	Bright	sS	948
104104406100129	44	2,160	1,122	1,898	Bright	zZ	948
104104405300129	44	2,160	1,122	1,898	Galvanized	sS	948
104104406300129	44	2,160	1,122	1,898	Galvanized	zZ	948
104104505070129	45	1,960	1,174	1,932	Bright	sS	992
104104506070129	45	1,960	1,174	1,932	Bright	zZ	992
104104505270129	45	1,960	1,174	1,932	Galvanized	sS	992
104104506270129	45	1,960	1,174	1,932	Galvanized	zZ	992
104104505100129	45	2,160	1,174	1,985	Bright	sS	992
104104506100129	45	2,160	1,174	1,985	Bright	zZ	992
104104505300129	45	2,160	1,174	1,985	Galvanized	sS	992

104104506300129	45	2,160	1,174	1,985	Galvanized	zZ	992
104104605070129	46	1,960	1,226	2,019	Bright	sS	1,036
104104606070129	46	1,960	1,226	2,019	Bright	zZ	1,036
104104605270129	46	1,960	1,226	2,019	Galvanized	sS	1,036
104104606270129	46	1,960	1,226	2,019	Galvanized	zZ	1,036
104104605100129	46	2,160	1,226	2,075	Bright	sS	1,036
104104606100129	46	2,160	1,226	2,075	Bright	zZ	1,036
104104605300129	46	2,160	1,226	2,075	Galvanized	sS	1,036
104104606300129	46	2,160	1,226	2,075	Galvanized	zZ	1,036
104104805070129	48	1,960	1,335	2,199	Bright	sS	1,129
104104806070129	48	1,960	1,335	2,199	Bright	zZ	1,129
104104805270129	48	1,960	1,335	2,199	Galvanized	sS	1,129
104104806270129	48	1,960	1,335	2,199	Galvanized	zZ	1,129
104104805100129	48	2,160	1,335	2,259	Bright	sS	1,129
104104806100129	48	2,160	1,335	2,259	Bright	zZ	1,129
104104805300129	48	2,160	1,335	2,259	Galvanized	sS	1,129
104104806300129	48	2,160	1,335	2,259	Galvanized	zZ	1,129
104105005070129	50	1,960	1,449	2,386	Bright	sS	1,225
104105006070129	50	1,960	1,449	2,386	Bright	zZ	1,225
104105005270129	50	1,960	1,449	2,386	Galvanized	sS	1,225
104105006270129	50	1,960	1,449	2,386	Galvanized	zZ	1,225
104105005100129	50	2,160	1,449	2,451	Bright	sS	1,225
104105006100129	50	2,160	1,449	2,451	Bright	zZ	1,225

104105005300129	50	2,160	1,449	2,451	Galvanized	sS	1,225
104105006300129	50	2,160	1,449	2,451	Galvanized	zZ	1,225
104105205070129	52	1,960	1,567	2,580	Bright	sS	1,324
104105206070129	52	1,960	1,567	2,580	Bright	zZ	1,324
104105205270129	52	1,960	1,567	2,580	Galvanized	sS	1,324
104105206270129	52	1,960	1,567	2,580	Galvanized	zZ	1,324
104105205100129	52	2,160	1,567	2,651	Bright	sS	1,324
104105206100129	52	2,160	1,567	2,651	Bright	zZ	1,324
104105205300129	52	2,160	1,567	2,651	Galvanized	sS	1,324
104105206300129	52	2,160	1,567	2,651	Galvanized	zZ	1,324
104105405070129	54	1,960	1,690	2,783	Bright	sS	1,428
104105406070129	54	1,960	1,690	2,783	Bright	zZ	1,428
104105405270129	54	1,960	1,690	2,783	Galvanized	sS	1,428
104105406270129	54	1,960	1,690	2,783	Galvanized	zZ	1,428
104105605070129	56	1,960	1,818	2,993	Bright	sS	1,536
104105606070129	56	1,960	1,818	2,993	Bright	zZ	1,536
104105605270129	56	1,960	1,818	2,993	Galvanized	sS	1,536
104105606270129	56	1,960	1,818	2,993	Galvanized	zZ	1,536

## Technical data