



Offshore crane



## Steel Wire Rope verotop XP

### Product information



**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:**

- 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**

**Marking:** According to standard

**Standard:** EN 12385-4

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

**Fill factor:** 0.745

**RCN:** 23-1

**Tolerance Ø:** +2% to +4%

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
104101205070169	12	1,960	84	140.4	Bright	sS	72
104101206070169	12	1,960	84	140.4	Bright	zZ	72
104101205270169	12	1,960	84	140.4	Galvanized	sS	72

104101206270169	12	1,960	84	140.4	Galvanized	zZ	72
104101204070169	12	1,960	84	140.4	Bright	sZ	72
104101204270169	12	1,960	84	140.4	Galvanized	sZ	72
104101205100169	12	2,160	84	152.9	Bright	sS	72
104101206100169	12	2,160	84	152.9	Bright	zZ	72
104101205300169	12	2,160	84	152.9	Galvanized	sS	72
104101206300169	12	2,160	84	152.9	Galvanized	zZ	72
104101204100169	12	2,160	84	152.9	Bright	sZ	72
104101204300169	12	2,160	84	152.9	Galvanized	sZ	72
104101275070169	12.7	1,960	94	157.2	Bright	sS	81
104101276070169	12.7	1,960	94	157.2	Bright	zZ	81
104101275270169	12.7	1,960	94	157.2	Galvanized	sS	81
104101276270169	12.7	1,960	94	157.2	Galvanized	zZ	81
104101274070169	12.7	1,960	94	157.2	Bright	sZ	81
104101274270169	12.7	1,960	94	157.2	Galvanized	sZ	81
104101275100169	12.7	2,160	94	171.2	Bright	sS	81
104101276100169	12.7	2,160	94	171.2	Bright	zZ	81
104101275300169	12.7	2,160	94	171.2	Galvanized	sS	81
104101276300169	12.7	2,160	94	171.2	Galvanized	zZ	81
104101274100169	12.7	2,160	94	171.2	Bright	sZ	81
104101274300169	12.7	2,160	94	171.2	Galvanized	sZ	81
104101305070169	13	1,960	99	164.7	Bright	sS	84
104101306070169	13	1,960	99	164.7	Bright	zZ	84

104101305270169	13	1,960	99	164.7	Galvanized	sS	84
104101306270169	13	1,960	99	164.7	Galvanized	zZ	84
104101304070169	13	1,960	99	164.7	Bright	sZ	84
104101304270169	13	1,960	99	164.7	Galvanized	sZ	84
104101305100169	13	2,160	99	179.4	Bright	sS	84
104101306100169	13	2,160	99	179.4	Bright	zZ	84
104101305300169	13	2,160	99	179.4	Galvanized	sS	84
104101306300169	13	2,160	99	179.4	Galvanized	zZ	84
104101304100169	13	2,160	99	179.4	Bright	sZ	84
104101304300169	13	2,160	99	179.4	Galvanized	sZ	84
104101405070169	14	1,960	115	191	Bright	sS	98
104101406070169	14	1,960	115	191	Bright	zZ	98
104101405270169	14	1,960	115	191	Galvanized	sS	98
104101406270169	14	1,960	115	191	Galvanized	zZ	98
104101404070169	14	1,960	115	191	Bright	sZ	98
104101404270169	14	1,960	115	191	Galvanized	sZ	98
104101405100169	14	2,160	115	208.1	Bright	sS	98
104101406100169	14	2,160	115	208.1	Bright	zZ	98
104101405300169	14	2,160	115	208.1	Galvanized	sS	98
104101406300169	14	2,160	115	208.1	Galvanized	zZ	98
104101404100169	14	2,160	115	208.1	Bright	sZ	98
104101404300169	14	2,160	115	208.1	Galvanized	sZ	98
104101505070169	15	1,960	132	219.3	Bright	sS	113

104101506070169	15	1,960	132	219.3	Bright	zZ	113
104101505270169	15	1,960	132	219.3	Galvanized	sS	113
104101506270169	15	1,960	132	219.3	Galvanized	zZ	113
104101504070169	15	1,960	132	219.3	Bright	sZ	113
104101504270169	15	1,960	132	219.3	Galvanized	sZ	113
104101505100169	15	2,160	132	238.9	Bright	sS	113
104101506100169	15	2,160	132	238.9	Bright	zZ	113
104101505300169	15	2,160	132	238.9	Galvanized	sS	113
104101506300169	15	2,160	132	238.9	Galvanized	zZ	113
104101504100169	15	2,160	132	238.9	Bright	sZ	113
104101504300169	15	2,160	132	238.9	Galvanized	sZ	113
104101605070169	16	1,960	150	249.6	Bright	sS	128
104101606070169	16	1,960	150	249.6	Bright	zZ	128
104101605270169	16	1,960	150	249.6	Galvanized	sS	128
104101606270169	16	1,960	150	249.6	Galvanized	zZ	128
104101604070169	16	1,960	150	249.6	Bright	sZ	128
104101604270169	16	1,960	150	249.6	Galvanized	sZ	128
104101605100169	16	2,160	150	271.8	Bright	sS	128
104101606100169	16	2,160	150	271.8	Bright	zZ	128
104101605300169	16	2,160	150	271.8	Galvanized	sS	128
104101606300169	16	2,160	150	271.8	Galvanized	zZ	128
104101604100169	16	2,160	150	271.8	Bright	sZ	128
104101604300169	16	2,160	150	271.8	Galvanized	sZ	128

104101705070169	17	1,960	169	281.7	Bright	sS	145
104101706070169	17	1,960	169	281.7	Bright	zZ	145
104101705270169	17	1,960	169	281.7	Galvanized	sS	145
104101706270169	17	1,960	169	281.7	Galvanized	zZ	145
104101704070169	17	1,960	169	281.7	Bright	sZ	145
104101704270169	17	1,960	169	281.7	Galvanized	sZ	145
104101705100169	17	2,160	169	306.8	Bright	sS	145
104101706100169	17	2,160	169	306.8	Bright	zZ	145
104101705300169	17	2,160	169	306.8	Galvanized	sS	145
104101706300169	17	2,160	169	306.8	Galvanized	zZ	145
104101704100169	17	2,160	169	306.8	Bright	sZ	145
104101704300169	17	2,160	169	306.8	Galvanized	sZ	145
104101805070169	18	1,960	190	315.8	Bright	sS	162
104101806070169	18	1,960	190	315.8	Bright	zZ	162
104101805270169	18	1,960	190	315.8	Galvanized	sS	162
104101806270169	18	1,960	190	315.8	Galvanized	zZ	162
104101804070169	18	1,960	190	315.8	Bright	sZ	162
104101804270169	18	1,960	190	315.8	Galvanized	sZ	162
104101805100169	18	2,160	190	344	Bright	sS	162
104101806100169	18	2,160	190	344	Bright	zZ	162
104101805300169	18	2,160	190	344	Galvanized	sS	162
104101806300169	18	2,160	190	344	Galvanized	zZ	162
104101804100169	18	2,160	190	344	Bright	sZ	162

104101804300169	18	2,160	190	344	Galvanized	sZ	162
104101905070169	19	1,960	211	351.9	Bright	sS	181
104101906070169	19	1,960	211	351.9	Bright	zZ	181
104101905270169	19	1,960	211	351.9	Galvanized	sS	181
104101906270169	19	1,960	211	351.9	Galvanized	zZ	181
104101904070169	19	1,960	211	351.9	Bright	sZ	181
104101904270169	19	1,960	211	351.9	Galvanized	sZ	181
104101905100169	19	2,160	211	383.3	Bright	sS	181
104101906100169	19	2,160	211	383.3	Bright	zZ	181
104101905300169	19	2,160	211	383.3	Galvanized	sS	181
104101906300169	19	2,160	211	383.3	Galvanized	zZ	181
104101904100169	19	2,160	211	383.3	Bright	sZ	181
104101904300169	19	2,160	211	383.3	Galvanized	sZ	181
104102005070169	20	1,960	234	389.9	Bright	sS	200
104102006070169	20	1,960	234	389.9	Bright	zZ	200
104102005270169	20	1,960	234	389.9	Galvanized	sS	200
104102006270169	20	1,960	234	389.9	Galvanized	zZ	200
104102004070169	20	1,960	234	389.9	Bright	sZ	200
104102004270169	20	1,960	234	389.9	Galvanized	sZ	200
104102005100169	20	2,160	234	424.7	Bright	sS	200
104102006100169	20	2,160	234	424.7	Bright	zZ	200
104102005300169	20	2,160	234	424.7	Galvanized	sS	200
104102006300169	20	2,160	234	424.7	Galvanized	zZ	200

104102004100169	20	2,160	234	424.7	Bright	sZ	200
104102004300169	20	2,160	234	424.7	Galvanized	sZ	200
104102105070169	21	1,960	258	429.9	Bright	sS	221
104102106070169	21	1,960	258	429.9	Bright	zZ	221
104102105270169	21	1,960	258	429.9	Galvanized	sS	221
104102106270169	21	1,960	258	429.9	Galvanized	zZ	221
104102104070169	21	1,960	258	429.9	Bright	sZ	221
104102104270169	21	1,960	258	429.9	Galvanized	sZ	221
104102105100169	21	2,160	258	468.2	Bright	sS	221
104102106100169	21	2,160	258	468.2	Bright	zZ	221
104102105300169	21	2,160	258	468.2	Galvanized	sS	221
104102106300169	21	2,160	258	468.2	Galvanized	zZ	221
104102104100169	21	2,160	258	468.2	Bright	sZ	221
104102104300169	21	2,160	258	468.2	Galvanized	sZ	221
104102205070169	22	1,960	283	471.8	Bright	sS	242
104102206070169	22	1,960	283	471.8	Bright	zZ	242
104102205270169	22	1,960	283	471.8	Galvanized	sS	242
104102206270169	22	1,960	283	471.8	Galvanized	zZ	242
104102204070169	22	1,960	283	471.8	Bright	sZ	242
104102204270169	22	1,960	283	471.8	Galvanized	sZ	242
104102205100169	22	2,160	283	513.8	Bright	sS	242
104102206100169	22	2,160	283	513.8	Bright	zZ	242
104102205300169	22	2,160	283	513.8	Galvanized	sS	242

104102206300169	22	2,160	283	513.8	Galvanized	zZ	242
104102204100169	22	2,160	283	513.8	Bright	sZ	242
104102204300169	22	2,160	283	513.8	Galvanized	sZ	242
104102245070169	22.4	1,960	288	489.1	Bright	sS	251
104102246070169	22.4	1,960	288	489.1	Bright	zZ	251
104102245270169	22.4	1,960	288	489.1	Galvanized	sS	251
104102246270169	22.4	1,960	288	489.1	Galvanized	zZ	251
104102244070169	22.4	1,960	288	489.1	Bright	sZ	251
104102244270169	22.4	1,960	288	489.1	Galvanized	sZ	251
104102245100169	22.4	2,160	288	532.7	Bright	sS	251
104102246100169	22.4	2,160	288	532.7	Bright	zZ	251
104102245300169	22.4	2,160	288	532.7	Galvanized	sS	251
104102246300169	22.4	2,160	288	532.7	Galvanized	zZ	251
104102244100169	22.4	2,160	288	532.7	Bright	sZ	251
104102244300169	22.4	2,160	288	532.7	Galvanized	sZ	251
104102305070169	23	1,960	310	515.7	Bright	sS	265
104102306070169	23	1,960	310	515.7	Bright	zZ	265
104102305270169	23	1,960	310	515.7	Galvanized	sS	265
104102306270169	23	1,960	310	515.7	Galvanized	zZ	265
104102304070169	23	1,960	310	515.7	Bright	sZ	265
104102304270169	23	1,960	310	515.7	Galvanized	sZ	265
104102305100169	23	2,160	310	561.6	Bright	sS	265
104102306100169	23	2,160	310	561.6	Bright	zZ	265



104102305300169	23	2,160	310	561.6	Galvanized	sS	265
104102306300169	23	2,160	310	561.6	Galvanized	zZ	265
104102304100169	23	2,160	310	561.6	Bright	sZ	265
104102304300169	23	2,160	310	561.6	Galvanized	sZ	265
104102405070169	24	1,960	337	561.5	Bright	sS	288
104102406070169	24	1,960	337	561.5	Bright	zZ	288
104102405270169	24	1,960	337	561.5	Galvanized	sS	288
104102406270169	24	1,960	337	561.5	Galvanized	zZ	288
104102404070169	24	1,960	337	561.5	Bright	sZ	288
104102404270169	24	1,960	337	561.5	Galvanized	sZ	288
104102405100169	24	2,160	337	611.5	Bright	sS	288
104102406100169	24	2,160	337	611.5	Bright	zZ	288
104102405300169	24	2,160	337	611.5	Galvanized	sS	288
104102406300169	24	2,160	337	611.5	Galvanized	zZ	288
104102404100169	24	2,160	337	611.5	Bright	sZ	288
104102404300169	24	2,160	337	611.5	Galvanized	sZ	288
104102505070169	25	1,960	366	609.3	Bright	sS	313
104102506070169	25	1,960	366	609.3	Bright	zZ	313
104102505270169	25	1,960	366	609.3	Galvanized	sS	313
104102506270169	25	1,960	366	609.3	Galvanized	zZ	313
104102504070169	25	1,960	366	609.3	Bright	sZ	313
104102504270169	25	1,960	366	609.3	Galvanized	sZ	313
104102505100169	25	2,160	366	663.5	Bright	sS	313

104102506100169	25	2,160	366	663.5	Bright	zZ	313
104102505300169	25	2,160	366	663.5	Galvanized	sS	313
104102506300169	25	2,160	366	663.5	Galvanized	zZ	313
104102504100169	25	2,160	366	663.5	Bright	sZ	313
104102504300169	25	2,160	366	663.5	Galvanized	sZ	313
104102544270169	25.4	1,960	377	628.9	Galvanized	sZ	323
104102546270169	25.4	1,960	377	628.9	Galvanized	zZ	323
104102545270169	25.4	1,960	377	628.9	Galvanized	sS	323
104102544070169	25.4	1,960	377	628.9	Bright	sZ	323
104102546070169	25.4	1,960	377	628.9	Bright	zZ	323
104102545070169	25.4	1,960	377	628.9	Bright	sS	323
104102544300169	25.4	2,160	377	684.9	Galvanized	sZ	323
104102546300169	25.4	2,160	377	684.9	Galvanized	zZ	323
104102545300169	25.4	2,160	377	684.9	Galvanized	sS	323
104102544100169	25.4	2,160	377	684.9	Bright	sZ	323
104102546100169	25.4	2,160	377	684.9	Bright	zZ	323
104102545100169	25.4	2,160	377	684.9	Bright	sS	323
104102604270169	26	1,960	396	659	Galvanized	sZ	338
104102606270169	26	1,960	396	659	Galvanized	zZ	338
104102605270169	26	1,960	396	659	Galvanized	sS	338
104102604070169	26	1,960	396	659	Bright	sZ	338
104102606070169	26	1,960	396	659	Bright	zZ	338
104102605070169	26	1,960	396	659	Bright	sS	338

104102604300169	26	2,160	396	717.7	Galvanized	sZ	338
104102606300169	26	2,160	396	717.7	Galvanized	zZ	338
104102605300169	26	2,160	396	717.7	Galvanized	sS	338
104102604100169	26	2,160	396	717.7	Bright	sZ	338
104102606100169	26	2,160	396	717.7	Bright	zZ	338
104102605100169	26	2,160	396	717.7	Bright	sS	338
104102704270169	27	1,960	427	710.6	Galvanized	sZ	365
104102706270169	27	1,960	427	710.6	Galvanized	zZ	365
104102705270169	27	1,960	427	710.6	Galvanized	sS	365
104102704070169	27	1,960	427	710.6	Bright	sZ	365
104102706070169	27	1,960	427	710.6	Bright	zZ	365
104102705070169	27	1,960	427	710.6	Bright	sS	365
104102704300169	27	2,160	427	773.9	Galvanized	sZ	365
104102706300169	27	2,160	427	773.9	Galvanized	zZ	365
104102705300169	27	2,160	427	773.9	Galvanized	sS	365
104102704100169	27	2,160	427	773.9	Bright	sZ	365
104102706100169	27	2,160	427	773.9	Bright	zZ	365
104102705100169	27	2,160	427	773.9	Bright	sS	365
104102804270169	28	1,960	459	764.3	Galvanized	sZ	392
104102806270169	28	1,960	459	764.3	Galvanized	zZ	392
104102805270169	28	1,960	459	764.3	Galvanized	sS	392
104102804070169	28	1,960	459	764.3	Bright	sZ	392
104102806070169	28	1,960	459	764.3	Bright	zZ	392

104102805070169	28	1,960	459	764.3	Bright	sS	392
104102804300169	28	2,160	459	832.3	Galvanized	sZ	392
104102806300169	28	2,160	459	832.3	Galvanized	zZ	392
104102805300169	28	2,160	459	832.3	Galvanized	sS	392
104102804100169	28	2,160	459	832.3	Bright	sZ	392
104102806100169	28	2,160	459	832.3	Bright	zZ	392
104102805100169	28	2,160	459	832.3	Bright	sS	392
104102864270169	28.6	1,960	479	797.4	Galvanized	sZ	409
104102866270169	28.6	1,960	479	797.4	Galvanized	zZ	409
104102865270169	28.6	1,960	479	797.4	Galvanized	sS	409
104102864070169	28.6	1,960	479	797.4	Bright	sZ	409
104102866070169	28.6	1,960	479	797.4	Bright	zZ	409
104102865070169	28.6	1,960	479	797.4	Bright	sS	409
104102864300169	28.6	2,160	479	868.4	Galvanized	sZ	409
104102866300169	28.6	2,160	479	868.4	Galvanized	zZ	409
104102865300169	28.6	2,160	479	868.4	Galvanized	sS	409
104102864100169	28.6	2,160	479	868.4	Bright	sZ	409
104102866100169	28.6	2,160	479	868.4	Bright	zZ	409
104102865100169	28.6	2,160	479	868.4	Bright	sS	409
104102904270169	29	1,960	492	819.8	Galvanized	sZ	421
104102906270169	29	1,960	492	819.8	Galvanized	zZ	421
104102905270169	29	1,960	492	819.8	Galvanized	sS	421
104102904070169	29	1,960	492	819.8	Bright	sZ	421

104102906070169	29	1,960	492	819.8	Bright	zZ	421
104102905070169	29	1,960	492	819.8	Bright	sS	421
104102904300169	29	2,160	492	892.8	Galvanized	sZ	421
104102906300169	29	2,160	492	892.8	Galvanized	zZ	421
104102905300169	29	2,160	492	892.8	Galvanized	sS	421
104102904100169	29	2,160	492	892.8	Bright	sZ	421
104102906100169	29	2,160	492	892.8	Bright	zZ	421
104102905100169	29	2,160	492	892.8	Bright	sS	421
104103004270169	30	1,960	527	877.3	Galvanized	sZ	450
104103006270169	30	1,960	527	877.3	Galvanized	zZ	450
104103005270169	30	1,960	527	877.3	Galvanized	sS	450
104103004070169	30	1,960	527	877.3	Bright	sZ	450
104103006070169	30	1,960	527	877.3	Bright	zZ	450
104103005070169	30	1,960	527	877.3	Bright	sS	450
104103004300169	30	2,160	527	955.5	Galvanized	sZ	450
104103006300169	30	2,160	527	955.5	Galvanized	zZ	450
104103005300169	30	2,160	527	955.5	Galvanized	sS	450
104103004100169	30	2,160	527	955.5	Bright	sZ	450
104103006100169	30	2,160	527	955.5	Bright	zZ	450
104103005100169	30	2,160	527	955.5	Bright	sS	450
104103104270169	31	1,960	562	936.8	Galvanized	sZ	481
104103106270169	31	1,960	562	936.8	Galvanized	zZ	481
104103105270169	31	1,960	562	936.8	Galvanized	sS	481

104103104070169	31	1,960	562	936.8	Bright	sZ	481
104103106070169	31	1,960	562	936.8	Bright	zZ	481
104103105070169	31	1,960	562	936.8	Bright	sS	481
104103104300169	31	2,160	562	1,020	Galvanized	sZ	481
104103106300169	31	2,160	562	1,020	Galvanized	zZ	481
104103105300169	31	2,160	562	1,020	Galvanized	sS	481
104103104100169	31	2,160	562	1,020	Bright	sZ	481
104103106100169	31	2,160	562	1,020	Bright	zZ	481
104103105100169	31	2,160	562	1,020	Bright	sS	481
104103204270169	32	1,960	599	998.2	Galvanized	sZ	512
104103206270169	32	1,960	599	998.2	Galvanized	zZ	512
104103205270169	32	1,960	599	998.2	Galvanized	sS	512
104103204070169	32	1,960	599	998.2	Bright	sZ	512
104103206070169	32	1,960	599	998.2	Bright	zZ	512
104103205070169	32	1,960	599	998.2	Bright	sS	512
104103204300169	32	2,160	599	1,087	Galvanized	sZ	512
104103206300169	32	2,160	599	1,087	Galvanized	zZ	512
104103205300169	32	2,160	599	1,087	Galvanized	sS	512
104103204100169	32	2,160	599	1,087	Bright	sZ	512
104103206100169	32	2,160	599	1,087	Bright	zZ	512
104103205100169	32	2,160	599	1,087	Bright	sS	512
104103304270169	33	1,960	637	1,062	Galvanized	sZ	545
104103306270169	33	1,960	637	1,062	Galvanized	zZ	545

104103305270169	33	1,960	637	1,062	Galvanized	sS	545
104103304070169	33	1,960	637	1,062	Bright	sZ	545
104103306070169	33	1,960	637	1,062	Bright	zZ	545
104103305070169	33	1,960	637	1,062	Bright	sS	545
104103304300169	33	2,160	637	1,156	Galvanized	sZ	545
104103306300169	33	2,160	637	1,156	Galvanized	zZ	545
104103305300169	33	2,160	637	1,156	Galvanized	sS	545
104103304100169	33	2,160	637	1,156	Bright	sZ	545
104103306100169	33	2,160	637	1,156	Bright	zZ	545
104103305100169	33	2,160	637	1,156	Bright	sS	545
104103404270169	34	1,960	676	1,127	Galvanized	sZ	578
104103406270169	34	1,960	676	1,127	Galvanized	zZ	578
104103405270169	34	1,960	676	1,127	Galvanized	sS	578
104103404070169	34	1,960	676	1,127	Bright	sZ	578
104103406070169	34	1,960	676	1,127	Bright	zZ	578
104103405070169	34	1,960	676	1,127	Bright	sS	578
104103404300169	34	2,160	676	1,227	Galvanized	sZ	578
104103406300169	34	2,160	676	1,227	Galvanized	zZ	578
104103405300169	34	2,160	676	1,227	Galvanized	sS	578
104103404100169	34	2,160	676	1,227	Bright	sZ	578
104103406100169	34	2,160	676	1,227	Bright	zZ	578
104103405100169	34	2,160	676	1,227	Bright	sS	578
104103504270169	35	1,960	717	1,194	Galvanized	sZ	613

104103506270169	35	1,960	717	1,194	Galvanized	zZ	613
104103505270169	35	1,960	717	1,194	Galvanized	sS	613
104103504070169	35	1,960	717	1,194	Bright	sZ	613
104103506070169	35	1,960	717	1,194	Bright	zZ	613
104103505070169	35	1,960	717	1,194	Bright	sS	613
104103504300169	35	2,160	717	1,301	Galvanized	sZ	613
104103506300169	35	2,160	717	1,301	Galvanized	zZ	613
104103505300169	35	2,160	717	1,301	Galvanized	sS	613
104103504100169	35	2,160	717	1,301	Bright	sZ	613
104103506100169	35	2,160	717	1,301	Bright	zZ	613
104103505100169	35	2,160	717	1,301	Bright	sS	613
104103604270169	36	1,960	758	1,263	Galvanized	sZ	648
104103606270169	36	1,960	758	1,263	Galvanized	zZ	648
104103605270169	36	1,960	758	1,263	Galvanized	sS	648
104103604070169	36	1,960	758	1,263	Bright	sZ	648
104103606070169	36	1,960	758	1,263	Bright	zZ	648
104103605070169	36	1,960	758	1,263	Bright	sS	648
104103604300169	36	2,160	758	1,376	Galvanized	sZ	648
104103606300169	36	2,160	758	1,376	Galvanized	zZ	648
104103605300169	36	2,160	758	1,376	Galvanized	sS	648
104103604100169	36	2,160	758	1,376	Bright	sZ	648
104103606100169	36	2,160	758	1,376	Bright	zZ	648
104103605100169	36	2,160	758	1,376	Bright	sS	648



104103804270169	38	1,960	845	1,408	Galvanized	sZ	722
104103806270169	38	1,960	845	1,408	Galvanized	zZ	722
104103805270169	38	1,960	845	1,408	Galvanized	sS	722
104103804070169	38	1,960	845	1,408	Bright	sZ	722
104103806070169	38	1,960	845	1,408	Bright	zZ	722
104103805070169	38	1,960	845	1,408	Bright	sS	722
104103804300169	38	2,160	845	1,533	Galvanized	sZ	722
104103806300169	38	2,160	845	1,533	Galvanized	zZ	722
104103805300169	38	2,160	845	1,533	Galvanized	sS	722
104103804100169	38	2,160	845	1,533	Bright	sZ	722
104103806100169	38	2,160	845	1,533	Bright	zZ	722
104103805100169	38	2,160	845	1,533	Bright	sS	722
104104004270169	40	1,960	936	1,560	Galvanized	sZ	800
104104006270169	40	1,960	936	1,560	Galvanized	zZ	800
104104005270169	40	1,960	936	1,560	Galvanized	sS	800
104104004070169	40	1,960	936	1,560	Bright	sZ	800
104104006070169	40	1,960	936	1,560	Bright	zZ	800
104104005070169	40	1,960	936	1,560	Bright	sS	800
104104004300169	40	2,160	936	1,699	Galvanized	sZ	800
104104006300169	40	2,160	936	1,699	Galvanized	zZ	800
104104005300169	40	2,160	936	1,699	Galvanized	sS	800
104104004100169	40	2,160	936	1,699	Bright	sZ	800
104104006100169	40	2,160	936	1,699	Bright	zZ	800

104104005100169	40	2,160	936	1,699	Bright	sS	800
104104134270169	41.3	1,960	998	1,663	Galvanized	sZ	853
104104136270169	41.3	1,960	998	1,663	Galvanized	zZ	853
104104135270169	41.3	1,960	998	1,663	Galvanized	sS	853
104104134070169	41.3	1,960	998	1,663	Bright	sZ	853
104104136070169	41.3	1,960	998	1,663	Bright	zZ	853
104104135070169	41.3	1,960	998	1,663	Bright	sS	853
104104134300169	41.3	2,160	998	1,811	Galvanized	sZ	853
104104136300169	41.3	2,160	998	1,811	Galvanized	zZ	853
104104135300169	41.3	2,160	998	1,811	Galvanized	sS	853
104104134100169	41.3	2,160	998	1,811	Bright	sZ	853
104104136100169	41.3	2,160	998	1,811	Bright	zZ	853
104104135100169	41.3	2,160	998	1,811	Bright	sS	853
104104204270169	42	1,960	1,032	1,720	Galvanized	sZ	883
104104206270169	42	1,960	1,032	1,720	Galvanized	zZ	883
104104205270169	42	1,960	1,032	1,720	Galvanized	sS	883
104104204070169	42	1,960	1,032	1,720	Bright	sZ	883
104104206070169	42	1,960	1,032	1,720	Bright	zZ	883
104104205070169	42	1,960	1,032	1,720	Bright	sS	883
104104204300169	42	2,160	1,032	1,873	Galvanized	sZ	883
104104206300169	42	2,160	1,032	1,873	Galvanized	zZ	883
104104205300169	42	2,160	1,032	1,873	Galvanized	sS	883
104104204100169	42	2,160	1,032	1,873	Bright	sZ	883

104104206100169	42	2,160	1,032	1,873	Bright	zZ	883
104104205100169	42	2,160	1,032	1,873	Bright	sS	883
104104404270169	44	1,960	1,133	1,887	Galvanized	sZ	969
104104406270169	44	1,960	1,133	1,887	Galvanized	zZ	969
104104405270169	44	1,960	1,133	1,887	Galvanized	sS	969
104104404070169	44	1,960	1,133	1,887	Bright	sZ	969
104104406070169	44	1,960	1,133	1,887	Bright	zZ	969
104104405070169	44	1,960	1,133	1,887	Bright	sS	969
104104404300169	44	2,160	1,133	2,055	Galvanized	sZ	969
104104406300169	44	2,160	1,133	2,055	Galvanized	zZ	969
104104405300169	44	2,160	1,133	2,055	Galvanized	sS	969
104104404100169	44	2,160	1,133	2,055	Bright	sZ	969
104104406100169	44	2,160	1,133	2,055	Bright	zZ	969
104104405100169	44	2,160	1,133	2,055	Bright	sS	969
104104504270169	45	1,960	1,185	1,974	Galvanized	sZ	1,013
104104506270169	45	1,960	1,185	1,974	Galvanized	zZ	1,013
104104505270169	45	1,960	1,185	1,974	Galvanized	sS	1,013
104104504070169	45	1,960	1,185	1,974	Bright	sZ	1,013
104104506070169	45	1,960	1,185	1,974	Bright	zZ	1,013
104104505070169	45	1,960	1,185	1,974	Bright	sS	1,013
104104504300169	45	2,160	1,185	2,150	Galvanized	sZ	1,013
104104506300169	45	2,160	1,185	2,150	Galvanized	zZ	1,013
104104505300169	45	2,160	1,185	2,150	Galvanized	sS	1,013

104104504100169	45	2,160	1,185	2,150	Bright	sZ	1,013
104104506100169	45	2,160	1,185	2,150	Bright	zZ	1,013
104104505100169	45	2,160	1,185	2,150	Bright	sS	1,013
104104604270169	46	1,960	1,238	2,063	Galvanized	sZ	1,059
104104606270169	46	1,960	1,238	2,063	Galvanized	zZ	1,059
104104605270169	46	1,960	1,238	2,063	Galvanized	sS	1,059
104104604070169	46	1,960	1,238	2,063	Bright	sZ	1,059
104104606070169	46	1,960	1,238	2,063	Bright	zZ	1,059
104104605070169	46	1,960	1,238	2,063	Bright	sS	1,059
104104604300169	46	2,160	1,238	2,246	Galvanized	sZ	1,059
104104606300169	46	2,160	1,238	2,246	Galvanized	zZ	1,059
104104605300169	46	2,160	1,238	2,246	Galvanized	sS	1,059
104104604100169	46	2,160	1,238	2,246	Bright	sZ	1,059
104104606100169	46	2,160	1,238	2,246	Bright	zZ	1,059
104104605100169	46	2,160	1,238	2,246	Bright	sS	1,059
104104754270169	47.5	1,960	1,320	2,199	Galvanized	sZ	1,129
104104756270169	47.5	1,960	1,320	2,199	Galvanized	zZ	1,129
104104755270169	47.5	1,960	1,320	2,199	Galvanized	sS	1,129
104104754070169	47.5	1,960	1,320	2,199	Bright	sZ	1,129
104104756070169	47.5	1,960	1,320	2,199	Bright	zZ	1,129
104104755070169	47.5	1,960	1,320	2,199	Bright	sS	1,129
104104754300169	47.5	2,160	1,320	2,395	Galvanized	sZ	1,129
104104756300169	47.5	2,160	1,320	2,395	Galvanized	zZ	1,129

104104755300169	47.5	2,160	1,320	2,395	Galvanized	sS	1,129
104104754100169	47.5	2,160	1,320	2,395	Bright	sZ	1,129
104104756100169	47.5	2,160	1,320	2,395	Bright	zZ	1,129
104104755100169	47.5	2,160	1,320	2,395	Bright	sS	1,129
104104804270169	48	1,960	1,347	2,246	Galvanized	sZ	1,153
104104806270169	48	1,960	1,347	2,246	Galvanized	zZ	1,153
104104805270169	48	1,960	1,347	2,246	Galvanized	sS	1,153
104104804070169	48	1,960	1,347	2,246	Bright	sZ	1,153
104104806070169	48	1,960	1,347	2,246	Bright	zZ	1,153
104104805070169	48	1,960	1,347	2,246	Bright	sS	1,153
104104804300169	48	2,160	1,347	2,446	Galvanized	sZ	1,153
104104806300169	48	2,160	1,347	2,446	Galvanized	zZ	1,153
104104805300169	48	2,160	1,347	2,446	Galvanized	sS	1,153
104104804100169	48	2,160	1,347	2,446	Bright	sZ	1,153
104104806100169	48	2,160	1,347	2,446	Bright	zZ	1,153
104104805100169	48	2,160	1,347	2,446	Bright	sS	1,153

## Technical data