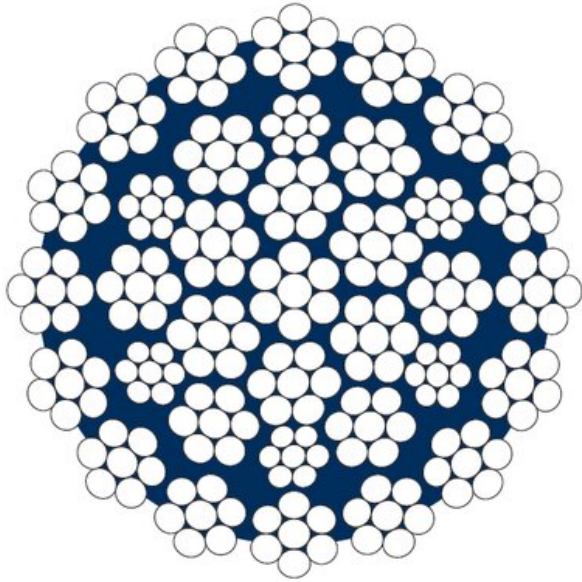


## Casar Starlift

### Product information



#### Applications:

A very flexible rope with a core in a special design avoiding crossovers between the strands of core and preventing internal rope destruction. Hoist rope for mobile cranes, electrical hoists and other applications, where rotation resistant ropes are required.

#### Construction:

Rotation resistant, made out of conventional strands.

#### Properties:

- Rotation resistant wire rope with high breaking force
- Very flexible with good fatigue properties

**ISO 4309 Rope Category No:** 7-72mm RCN.23-2

**Marking:** According to standard

**Standard:** EN 12385-4

**Fill factor:** 0.65

**RCN:** 23-2

**Tolerance Ø:** +2% to +4%

Tower crane



Mobile crane



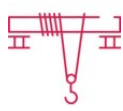
Crawler crane



Mobile port 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
102100705070149	7	1,960	25	37.8	Bright	sS	0.23

102100704070149	7	1,960	25	37.8	Bright	sZ	0.23
102100703070149	7	1,960	25	37.8	Bright	zS	0.23
102100706070149	7	1,960	25	37.8	Bright	zZ	0.23
102100705270149	7	1,960	25	37.8	Galvanized	sS	0.23
102100704270149	7	1,960	25	37.8	Galvanized	sZ	0.23
102100703270149	7	1,960	25	37.8	Galvanized	zS	0.23
102100706270149	7	1,960	25	37.8	Galvanized	zZ	0.23
102100804070149	8	1,960	32.8	49.3	Bright	sZ	0.3
102100803070149	8	1,960	32.8	49.3	Bright	zS	0.3
102100806070149	8	1,960	32.8	49.3	Bright	zZ	0.3
102100805070149	8	1,960	32.8	49.3	Bright	sS	0.3
102100804270149	8	1,960	32.8	49.3	Galvanized	sZ	0.3
102100803270149	8	1,960	32.8	49.3	Galvanized	zS	0.3
102100806270149	8	1,960	32.8	49.3	Galvanized	zZ	0.3
102100805270149	8	1,960	32.8	49.3	Galvanized	sS	0.3
102100904070149	9	1,960	40.8	61.3	Bright	sZ	0.37
102100903070149	9	1,960	40.8	61.3	Bright	zS	0.37
102100906070149	9	1,960	40.8	61.3	Bright	zZ	0.37
102100905070149	9	1,960	40.8	61.3	Bright	sS	0.37
102100904270149	9	1,960	40.8	61.3	Galvanized	sZ	0.37
102100903270149	9	1,960	40.8	61.3	Galvanized	zS	0.37
102100906270149	9	1,960	40.8	61.3	Galvanized	zZ	0.37
102100905270149	9	1,960	40.8	61.3	Galvanized	sS	0.37

102101004070149	10	1,960	51.7	76.6	Bright	sZ	0.47
102101003070149	10	1,960	51.7	76.6	Bright	zS	0.47
102101006070149	10	1,960	51.7	76.6	Bright	zZ	0.47
102101005070149	10	1,960	51.7	76.6	Bright	sS	0.47
102101004270149	10	1,960	51.7	76.6	Galvanized	sZ	0.47
102101003270149	10	1,960	51.7	76.6	Galvanized	zS	0.47
102101006270149	10	1,960	51.7	76.6	Galvanized	zZ	0.47
102101005270149	10	1,960	51.7	76.6	Galvanized	sS	0.47
102101104070149	11	1,960	62.2	92.1	Bright	sZ	0.56
102101103070149	11	1,960	62.2	92.1	Bright	zS	0.56
102101106070149	11	1,960	62.2	92.1	Bright	zZ	0.56
102101105070149	11	1,960	62.2	92.1	Bright	sS	0.56
102101104270149	11	1,960	62.2	92.1	Galvanized	sZ	0.56
102101103270149	11	1,960	62.2	92.1	Galvanized	zS	0.56
102101106270149	11	1,960	62.2	92.1	Galvanized	zZ	0.56
102101105270149	11	1,960	62.2	92.1	Galvanized	sS	0.56
102101204070149	12	1,960	73.9	110.7	Bright	sZ	0.67
102101203070149	12	1,960	73.9	110.7	Bright	zS	0.67
102101206070149	12	1,960	73.9	110.7	Bright	zZ	0.67
102101205070149	12	1,960	73.9	110.7	Bright	sS	0.67
102101204270149	12	1,960	73.9	110.7	Galvanized	sZ	0.67
102101203270149	12	1,960	73.9	110.7	Galvanized	zS	0.67
102101206270149	12	1,960	73.9	110.7	Galvanized	zZ	0.67

102101205270149	12	1,960	73.9	110.7	Galvanized	sS	0.67
102101274070149	12.7	1,960	82.8	114.1	Bright	sZ	0.75
102101273070149	12.7	1,960	82.8	114.1	Bright	zS	0.75
102101276070149	12.7	1,960	82.8	114.1	Bright	zZ	0.75
102101275070149	12.7	1,960	82.8	114.1	Bright	sS	0.75
102101274270149	12.7	1,960	82.8	114.1	Galvanized	sZ	0.75
102101273270149	12.7	1,960	82.8	114.1	Galvanized	zS	0.75
102101276270149	12.7	1,960	82.8	114.1	Galvanized	zZ	0.75
102101275270149	12.7	1,960	82.8	114.1	Galvanized	sS	0.75
102101304070149	13	1,960	86.9	129.8	Bright	sZ	0.78
102101303070149	13	1,960	86.9	129.8	Bright	zS	0.78
102101306070149	13	1,960	86.9	129.8	Bright	zZ	0.78
102101305070149	13	1,960	86.9	129.8	Bright	sS	0.78
102101304270149	13	1,960	86.9	129.8	Galvanized	sZ	0.78
102101303270149	13	1,960	86.9	129.8	Galvanized	zS	0.78
102101306270149	13	1,960	86.9	129.8	Galvanized	zZ	0.78
102101305270149	13	1,960	86.9	129.8	Galvanized	sS	0.78
102101404070149	14	1,960	100.4	150.5	Bright	sZ	0.9
102101403070149	14	1,960	100.4	150.5	Bright	zS	0.9
102101406070149	14	1,960	100.4	150.5	Bright	zZ	0.9
102101405070149	14	1,960	100.4	150.5	Bright	sS	0.9
102101404270149	14	1,960	100.4	150.5	Galvanized	sZ	0.9
102101403270149	14	1,960	100.4	150.5	Galvanized	zS	0.9

102101406270149	14	1,960	100.4	150.5	Galvanized	zZ	0.9
102101405270149	14	1,960	100.4	150.5	Galvanized	sS	0.9
102101504070149	15	1,960	116	173	Bright	sZ	1.04
102101503070149	15	1,960	116	173	Bright	zS	1.04
102101506070149	15	1,960	116	173	Bright	zZ	1.04
102101505070149	15	1,960	116	173	Bright	sS	1.04
102101504270149	15	1,960	116	173	Galvanized	sZ	1.04
102101503270149	15	1,960	116	173	Galvanized	zS	1.04
102101506270149	15	1,960	116	173	Galvanized	zZ	1.04
102101505270149	15	1,960	116	173	Galvanized	sS	1.04
102101604070149	16	1,960	132.3	197.2	Bright	sZ	1.19
102101603070149	16	1,960	132.3	197.2	Bright	zS	1.19
102101606070149	16	1,960	132.3	197.2	Bright	zZ	1.19
102101605070149	16	1,960	132.3	197.2	Bright	sS	1.19
102101604270149	16	1,960	132.3	197.2	Galvanized	sZ	1.19
102101603270149	16	1,960	132.3	197.2	Galvanized	zS	1.19
102101606270149	16	1,960	132.3	197.2	Galvanized	zZ	1.19
102101605270149	16	1,960	132.3	197.2	Galvanized	sS	1.19
102101704070149	17	1,960	147.8	221.6	Bright	sZ	1.33
102101703070149	17	1,960	147.8	221.6	Bright	zS	1.33
102101706070149	17	1,960	147.8	221.6	Bright	zZ	1.33
102101705070149	17	1,960	147.8	221.6	Bright	sS	1.33
102101704270149	17	1,960	147.8	221.6	Galvanized	sZ	1.33

102101703270149	17	1,960	147.8	221.6	Galvanized	zS	1.33
102101706270149	17	1,960	147.8	221.6	Galvanized	zZ	1.33
102101705270149	17	1,960	147.8	221.6	Galvanized	sS	1.33
102101804070149	18	1,960	165.5	246.5	Bright	sZ	1.49
102101803070149	18	1,960	165.5	246.5	Bright	zS	1.49
102101806070149	18	1,960	165.5	246.5	Bright	zZ	1.49
102101805070149	18	1,960	165.5	246.5	Bright	sS	1.49
102101804270149	18	1,960	165.5	246.5	Galvanized	sZ	1.49
102101803270149	18	1,960	165.5	246.5	Galvanized	zS	1.49
102101806270149	18	1,960	165.5	246.5	Galvanized	zZ	1.49
102101805270149	18	1,960	165.5	246.5	Galvanized	sS	1.49
102101904070149	19	1,960	186.6	277.8	Bright	sZ	1.68
102101903070149	19	1,960	186.6	277.8	Bright	zS	1.68
102101906070149	19	1,960	186.6	277.8	Bright	zZ	1.68
102101905070149	19	1,960	186.6	277.8	Bright	sS	1.68
102101904270149	19	1,960	186.6	277.8	Galvanized	sZ	1.68
102101903270149	19	1,960	186.6	277.8	Galvanized	zS	1.68
102101906270149	19	1,960	186.6	277.8	Galvanized	zZ	1.68
102101905270149	19	1,960	186.6	277.8	Galvanized	sS	1.68
102102004070149	20	1,960	205	307.5	Bright	sZ	1.85
102102003070149	20	1,960	205	307.5	Bright	zS	1.85
102102006070149	20	1,960	205	307.5	Bright	zZ	1.85
102102005070149	20	1,960	205	307.5	Bright	sS	1.85

102102004270149	20	1,960	205	307.5	Galvanized	sZ	1.85
102102003270149	20	1,960	205	307.5	Galvanized	zS	1.85
102102006270149	20	1,960	205	307.5	Galvanized	zZ	1.85
102102005270149	20	1,960	205	307.5	Galvanized	sS	1.85
102102104070149	21	1,960	226.7	339.2	Bright	sZ	2.04
102102103070149	21	1,960	226.7	339.2	Bright	zS	2.04
102102106070149	21	1,960	226.7	339.2	Bright	zZ	2.04
102102105070149	21	1,960	226.7	339.2	Bright	sS	2.04
102102104270149	21	1,960	226.7	339.2	Galvanized	sZ	2.04
102102103270149	21	1,960	226.7	339.2	Galvanized	zS	2.04
102102106270149	21	1,960	226.7	339.2	Galvanized	zZ	2.04
102102105270149	21	1,960	226.7	339.2	Galvanized	sS	2.04
102102204070149	22	1,960	250	373.2	Bright	sZ	2.25
102102203070149	22	1,960	250	373.2	Bright	zS	2.25
102102206070149	22	1,960	250	373.2	Bright	zZ	2.25
102102205070149	22	1,960	250	373.2	Bright	sS	2.25
102102204270149	22	1,960	250	373.2	Galvanized	sZ	2.25
102102203270149	22	1,960	250	373.2	Galvanized	zS	2.25
102102206270149	22	1,960	250	373.2	Galvanized	zZ	2.25
102102205270149	22	1,960	250	373.2	Galvanized	sS	2.25
102102304070149	23	1,960	271.2	405.9	Bright	sZ	2.44
102102303070149	23	1,960	271.2	405.9	Bright	zS	2.44
102102306070149	23	1,960	271.2	405.9	Bright	zZ	2.44

102102305070149	23	1,960	271.2	405.9	Bright	sS	2.44
102102304270149	23	1,960	271.2	405.9	Galvanized	sZ	2.44
102102303270149	23	1,960	271.2	405.9	Galvanized	zS	2.44
102102306270149	23	1,960	271.2	405.9	Galvanized	zZ	2.44
102102305270149	23	1,960	271.2	405.9	Galvanized	sS	2.44
102102404070149	24	1,960	296	443.5	Bright	sZ	2.66
102102403070149	24	1,960	296	443.5	Bright	zS	2.66
102102406070149	24	1,960	296	443.5	Bright	zZ	2.66
102102405070149	24	1,960	296	443.5	Bright	sS	2.66
102102404270149	24	1,960	296	443.5	Galvanized	sZ	2.66
102102403270149	24	1,960	296	443.5	Galvanized	zS	2.66
102102406270149	24	1,960	296	443.5	Galvanized	zZ	2.66
102102405270149	24	1,960	296	443.5	Galvanized	sS	2.66
102102504070149	25	1,960	319.9	478.3	Bright	sZ	2.88
102102503070149	25	1,960	319.9	478.3	Bright	zS	2.88
102102506070149	25	1,960	319.9	478.3	Bright	zZ	2.88
102102505070149	25	1,960	319.9	478.3	Bright	sS	2.88
102102504270149	25	1,960	319.9	478.3	Galvanized	sZ	2.88
102102503270149	25	1,960	319.9	478.3	Galvanized	zS	2.88
102102506270149	25	1,960	319.9	478.3	Galvanized	zZ	2.88
102102505270149	25	1,960	319.9	478.3	Galvanized	sS	2.88
102102604070149	26	1,960	347	519.5	Bright	sZ	3.12
102102603070149	26	1,960	347	519.5	Bright	zS	3.12



102102606070149	26	1,960	347	519.5	Bright	zZ	3.12
102102605070149	26	1,960	347	519.5	Bright	sS	3.12
102102604270149	26	1,960	347	519.5	Galvanized	sZ	3.12
102102603270149	26	1,960	347	519.5	Galvanized	zS	3.12
102102606270149	26	1,960	347	519.5	Galvanized	zZ	3.12
102102605270149	26	1,960	347	519.5	Galvanized	sS	3.12
102102704070149	27	1,960	372.9	562.9	Bright	sZ	3.36
102102703070149	27	1,960	372.9	562.9	Bright	zS	3.36
102102706070149	27	1,960	372.9	562.9	Bright	zZ	3.36
102102705070149	27	1,960	372.9	562.9	Bright	sS	3.36
102102704270149	27	1,960	372.9	562.9	Galvanized	sZ	3.36
102102703270149	27	1,960	372.9	562.9	Galvanized	zS	3.36
102102706270149	27	1,960	372.9	562.9	Galvanized	zZ	3.36
102102705270149	27	1,960	372.9	562.9	Galvanized	sS	3.36
102102804070149	28	1,960	402.1	607.7	Bright	sZ	3.62
102102803070149	28	1,960	402.1	607.7	Bright	zS	3.62
102102806070149	28	1,960	402.1	607.7	Bright	zZ	3.62
102102805070149	28	1,960	402.1	607.7	Bright	sS	3.62
102102804270149	28	1,960	402.1	607.7	Galvanized	sZ	3.62
102102803270149	28	1,960	402.1	607.7	Galvanized	zS	3.62
102102806270149	28	1,960	402.1	607.7	Galvanized	zZ	3.62
102102805270149	28	1,960	402.1	607.7	Galvanized	sS	3.62
102102904070149	29	1,960	432.5	648.6	Bright	sZ	3.89

102102903070149	29	1,960	432.5	648.6	Bright	zS	3.89
102102906070149	29	1,960	432.5	648.6	Bright	zZ	3.89
102102905070149	29	1,960	432.5	648.6	Bright	sS	3.89
102102904270149	29	1,960	432.5	648.6	Galvanized	sZ	3.89
102102903270149	29	1,960	432.5	648.6	Galvanized	zS	3.89
102102906270149	29	1,960	432.5	648.6	Galvanized	zZ	3.89
102102905270149	29	1,960	432.5	648.6	Galvanized	sS	3.89
102103004070149	30	1,960	464.7	694.4	Bright	sZ	4.18
102103003070149	30	1,960	464.7	694.4	Bright	zS	4.18
102103006070149	30	1,960	464.7	694.4	Bright	zZ	4.18
102103005070149	30	1,960	464.7	694.4	Bright	sS	4.18
102103004270149	30	1,960	464.7	694.4	Galvanized	sZ	4.18
102103003270149	30	1,960	464.7	694.4	Galvanized	zS	4.18
102103006270149	30	1,960	464.7	694.4	Galvanized	zZ	4.18
102103005270149	30	1,960	464.7	694.4	Galvanized	sS	4.18
102103104070149	31	1,960	493.1	736.9	Bright	sZ	4.44
102103103070149	31	1,960	493.1	736.9	Bright	zS	4.44
102103106070149	31	1,960	493.1	736.9	Bright	zZ	4.44
102103105070149	31	1,960	493.1	736.9	Bright	sS	4.44
102103104270149	31	1,960	493.1	736.9	Galvanized	sZ	4.44
102103103270149	31	1,960	493.1	736.9	Galvanized	zS	4.44
102103106270149	31	1,960	493.1	736.9	Galvanized	zZ	4.44
102103105270149	31	1,960	493.1	736.9	Galvanized	sS	4.44

102103204070149	32	1,960	526.4	786.7	Bright	sZ	4.74
102103203070149	32	1,960	526.4	786.7	Bright	zS	4.74
102103206070149	32	1,960	526.4	786.7	Bright	zZ	4.74
102103205070149	32	1,960	526.4	786.7	Bright	sS	4.74
102103204270149	32	1,960	526.4	786.7	Galvanized	sZ	4.74
102103203270149	32	1,960	526.4	786.7	Galvanized	zS	4.74
102103206270149	32	1,960	526.4	786.7	Galvanized	zZ	4.74
102103205270149	32	1,960	526.4	786.7	Galvanized	sS	4.74
102103304070149	33	1,960	558	833.9	Bright	sZ	5.02
102103303070149	33	1,960	558	833.9	Bright	zS	5.02
102103306070149	33	1,960	558	833.9	Bright	zZ	5.02
102103305070149	33	1,960	558	833.9	Bright	sS	5.02
102103304270149	33	1,960	558	833.9	Galvanized	sZ	5.02
102103303270149	33	1,960	558	833.9	Galvanized	zS	5.02
102103306270149	33	1,960	558	833.9	Galvanized	zZ	5.02
102103305270149	33	1,960	558	833.9	Galvanized	sS	5.02
102103404070149	34	1,960	591.2	890.2	Bright	sZ	5.32
102103403070149	34	1,960	591.2	890.2	Bright	zS	5.32
102103406070149	34	1,960	591.2	890.2	Bright	zZ	5.32
102103405070149	34	1,960	591.2	890.2	Bright	sS	5.32
102103404270149	34	1,960	591.2	890.2	Galvanized	sZ	5.32
102103403270149	34	1,960	591.2	890.2	Galvanized	zS	5.32
102103406270149	34	1,960	591.2	890.2	Galvanized	zZ	5.32

102103405270149	34	1,960	591.2	890.2	Galvanized	sS	5.32
102103604070149	36	1,960	661.5	1,003.4	Bright	sZ	5.95
102103603070149	36	1,960	661.5	1,003.4	Bright	zS	5.95
102103606070149	36	1,960	661.5	1,003.4	Bright	zZ	5.95
102103605070149	36	1,960	661.5	1,003.4	Bright	sS	5.95
102103604270149	36	1,960	661.5	1,003.4	Galvanized	sZ	5.95
102103603270149	36	1,960	661.5	1,003.4	Galvanized	zS	5.95
102103606270149	36	1,960	661.5	1,003.4	Galvanized	zZ	5.95
102103605270149	36	1,960	661.5	1,003.4	Galvanized	sS	5.95
102103804070149	38	1,960	742.5	1,113.5	Bright	sZ	6.68
102103803070149	38	1,960	742.5	1,113.5	Bright	zS	6.68
102103806070149	38	1,960	742.5	1,113.5	Bright	zZ	6.68
102103805070149	38	1,960	742.5	1,113.5	Bright	sS	6.68
102103804270149	38	1,960	742.5	1,113.5	Galvanized	sZ	6.68
102103803270149	38	1,960	742.5	1,113.5	Galvanized	zS	6.68
102103806270149	38	1,960	742.5	1,113.5	Galvanized	zZ	6.68
102103805270149	38	1,960	742.5	1,113.5	Galvanized	sS	6.68
102104004070149	40	1,960	818.1	1,231.3	Bright	sZ	7.36
102104003070149	40	1,960	818.1	1,231.3	Bright	zS	7.36
102104006070149	40	1,960	818.1	1,231.3	Bright	zZ	7.36
102104005070149	40	1,960	818.1	1,231.3	Bright	sS	7.36
102104004270149	40	1,960	818.1	1,231.3	Galvanized	sZ	7.36
102104003270149	40	1,960	818.1	1,231.3	Galvanized	zS	7.36

102104006270149	40	1,960	818.1	1,231.3	Galvanized	zZ	7.36
102104005270149	40	1,960	818.1	1,231.3	Galvanized	sS	7.36
102104204070149	42	1,960	902.7	1,366.6	Bright	sZ	8.12
102104203070149	42	1,960	902.7	1,366.6	Bright	zS	8.12
102104206070149	42	1,960	902.7	1,366.6	Bright	zZ	8.12
102104205070149	42	1,960	902.7	1,366.6	Bright	sS	8.12
102104204270149	42	1,960	902.7	1,366.6	Galvanized	sZ	8.12
102104203270149	42	1,960	902.7	1,366.6	Galvanized	zS	8.12
102104206270149	42	1,960	902.7	1,366.6	Galvanized	zZ	8.12
102104205270149	42	1,960	902.7	1,366.6	Galvanized	sS	8.12
102104404070149	44	1,960	994.4	1,497.9	Bright	sZ	8.95
102104403070149	44	1,960	994.4	1,497.9	Bright	zS	8.95
102104406070149	44	1,960	994.4	1,497.9	Bright	zZ	8.95
102104405070149	44	1,960	994.4	1,497.9	Bright	sS	8.95
102104404270149	44	1,960	994.4	1,497.9	Galvanized	sZ	8.95
102104403270149	44	1,960	994.4	1,497.9	Galvanized	zS	8.95
102104406270149	44	1,960	994.4	1,497.9	Galvanized	zZ	8.95
102104405270149	44	1,960	994.4	1,497.9	Galvanized	sS	8.95
102104604070149	46	1,960	1,083.6	1,632.1	Bright	sZ	9.75
102104603070149	46	1,960	1,083.6	1,632.1	Bright	zS	9.75
102104606070149	46	1,960	1,083.6	1,632.1	Bright	zZ	9.75
102104605070149	46	1,960	1,083.6	1,632.1	Bright	sS	9.75
102104604270149	46	1,960	1,083.6	1,632.1	Galvanized	sZ	9.75

102104603270149	46	1,960	1,083.6	1,632.1	Galvanized	zS	9.75
102104606270149	46	1,960	1,083.6	1,632.1	Galvanized	zZ	9.75
102104605270149	46	1,960	1,083.6	1,632.1	Galvanized	sS	9.75
102104804070149	48	1,960	1,186.5	1,780.7	Bright	sZ	10.68
102104803070149	48	1,960	1,186.5	1,780.7	Bright	zS	10.68
102104806070149	48	1,960	1,186.5	1,780.7	Bright	zZ	10.68
102104805070149	48	1,960	1,186.5	1,780.7	Bright	sS	10.68
102104804270149	48	1,960	1,186.5	1,780.7	Galvanized	sZ	10.68
102104803270149	48	1,960	1,186.5	1,780.7	Galvanized	zS	10.68
102104806270149	48	1,960	1,186.5	1,780.7	Galvanized	zZ	10.68
102104805270149	48	1,960	1,186.5	1,780.7	Galvanized	sS	10.68
102105004070149	50	1,960	1,286.3	1,926.7	Bright	sZ	11.58
102105003070149	50	1,960	1,286.3	1,926.7	Bright	zS	11.58
102105006070149	50	1,960	1,286.3	1,926.7	Bright	zZ	11.58
102105005070149	50	1,960	1,286.3	1,926.7	Bright	sS	11.58
102105004270149	50	1,960	1,286.3	1,926.7	Galvanized	sZ	11.58
102105003270149	50	1,960	1,286.3	1,926.7	Galvanized	zS	11.58
102105006270149	50	1,960	1,286.3	1,926.7	Galvanized	zZ	11.58
102105005270149	50	1,960	1,286.3	1,926.7	Galvanized	sS	11.58
102105204070149	52	1,960	1,391.7	2,029.2	Bright	sZ	12.53
102105203070149	52	1,960	1,391.7	2,029.2	Bright	zS	12.53
102105206070149	52	1,960	1,391.7	2,029.2	Bright	zZ	12.53
102105205070149	52	1,960	1,391.7	2,029.2	Bright	sS	12.53

102105204270149	52	1,960	1,391.7	2,029.2	Galvanized	sZ	12.53
102105203270149	52	1,960	1,391.7	2,029.2	Galvanized	zS	12.53
102105206270149	52	1,960	1,391.7	2,029.2	Galvanized	zZ	12.53
102105205270149	52	1,960	1,391.7	2,029.2	Galvanized	sS	12.53
102105404070149	54	1,960	1,501.4	2,188.5	Bright	sZ	13.51
102105403070149	54	1,960	1,501.4	2,188.5	Bright	zS	13.51
102105406070149	54	1,960	1,501.4	2,188.5	Bright	zZ	13.51
102105405070149	54	1,960	1,501.4	2,188.5	Bright	sS	13.51
102105404270149	54	1,960	1,501.4	2,188.5	Galvanized	sZ	13.51
102105403270149	54	1,960	1,501.4	2,188.5	Galvanized	zS	13.51
102105406270149	54	1,960	1,501.4	2,188.5	Galvanized	zZ	13.51
102105405270149	54	1,960	1,501.4	2,188.5	Galvanized	sS	13.51
102105604070149	56	1,960	1,609.7	2,371.1	Bright	sZ	14.49
102105603070149	56	1,960	1,609.7	2,371.1	Bright	zS	14.49
102105606070149	56	1,960	1,609.7	2,371.1	Bright	zZ	14.49
102105605070149	56	1,960	1,609.7	2,371.1	Bright	sS	14.49
102105604270149	56	1,960	1,609.7	2,371.1	Galvanized	sZ	14.49
102105603270149	56	1,960	1,609.7	2,371.1	Galvanized	zS	14.49
102105606270149	56	1,960	1,609.7	2,371.1	Galvanized	zZ	14.49
102105605270149	56	1,960	1,609.7	2,371.1	Galvanized	sS	14.49
102105804070149	58	1,960	1,726.1	2,530.8	Bright	sZ	15.54
102105803070149	58	1,960	1,726.1	2,530.8	Bright	zS	15.54
102105806070149	58	1,960	1,726.1	2,530.8	Bright	zZ	15.54

102105805070149	58	1,960	1,726.1	2,530.8	Bright	sS	15.54
102105804270149	58	1,960	1,726.1	2,530.8	Galvanized	sZ	15.54
102105803270149	58	1,960	1,726.1	2,530.8	Galvanized	zS	15.54
102105806270149	58	1,960	1,726.1	2,530.8	Galvanized	zZ	15.54
102105805270149	58	1,960	1,726.1	2,530.8	Galvanized	sS	15.54
102106004070149	60	1,960	1,847.2	2,719.5	Bright	sZ	16.62
102106003070149	60	1,960	1,847.2	2,719.5	Bright	zS	16.62
102106006070149	60	1,960	1,847.2	2,719.5	Bright	zZ	16.62
102106005070149	60	1,960	1,847.2	2,719.5	Bright	sS	16.62
102106004270149	60	1,960	1,847.2	2,719.5	Galvanized	sZ	16.62
102106003270149	60	1,960	1,847.2	2,719.5	Galvanized	zS	16.62
102106006270149	60	1,960	1,847.2	2,719.5	Galvanized	zZ	16.62
102106005270149	60	1,960	1,847.2	2,719.5	Galvanized	sS	16.62
102106204070149	62	1,960	1,972.4	2,904.7	Bright	sZ	17.75
102106203070149	62	1,960	1,972.4	2,904.7	Bright	zS	17.75
102106206070149	62	1,960	1,972.4	2,904.7	Bright	zZ	17.75
102106205070149	62	1,960	1,972.4	2,904.7	Bright	sS	17.75
102106204270149	62	1,960	1,972.4	2,904.7	Galvanized	sZ	17.75
102106203270149	62	1,960	1,972.4	2,904.7	Galvanized	zS	17.75
102106206270149	62	1,960	1,972.4	2,904.7	Galvanized	zZ	17.75
102106205270149	62	1,960	1,972.4	2,904.7	Galvanized	sS	17.75
102106404070149	64	1,960	2,101.7	3,099.8	Bright	sZ	18.92
102106403070149	64	1,960	2,101.7	3,099.8	Bright	zS	18.92



102106406070149	64	1,960	2,101.7	3,099.8	Bright	zZ	18.92
102106405070149	64	1,960	2,101.7	3,099.8	Bright	sS	18.92
102106404270149	64	1,960	2,101.7	3,099.8	Galvanized	sZ	18.92
102106403270149	64	1,960	2,101.7	3,099.8	Galvanized	zS	18.92
102106406270149	64	1,960	2,101.7	3,099.8	Galvanized	zZ	18.92
102106405270149	64	1,960	2,101.7	3,099.8	Galvanized	sS	18.92
102106604070149	66	1,960	2,235.1	3,298.5	Bright	sZ	20.12
102106603070149	66	1,960	2,235.1	3,298.5	Bright	zS	20.12
102106606070149	66	1,960	2,235.1	3,298.5	Bright	zZ	20.12
102106605070149	66	1,960	2,235.1	3,298.5	Bright	sS	20.12
102106604270149	66	1,960	2,235.1	3,298.5	Galvanized	sZ	20.12
102106603270149	66	1,960	2,235.1	3,298.5	Galvanized	zS	20.12
102106606270149	66	1,960	2,235.1	3,298.5	Galvanized	zZ	20.12
102106605270149	66	1,960	2,235.1	3,298.5	Galvanized	sS	20.12
102106804070149	68	1,960	2,372.6	3,514.6	Bright	sZ	21.35
102106803070149	68	1,960	2,372.6	3,514.6	Bright	zS	21.35
102106806070149	68	1,960	2,372.6	3,514.6	Bright	zZ	21.35
102106805070149	68	1,960	2,372.6	3,514.6	Bright	sS	21.35
102106804270149	68	1,960	2,372.6	3,514.6	Galvanized	sZ	21.35
102106803270149	68	1,960	2,372.6	3,514.6	Galvanized	zS	21.35
102106806270149	68	1,960	2,372.6	3,514.6	Galvanized	zZ	21.35
102106805270149	68	1,960	2,372.6	3,514.6	Galvanized	sS	21.35
102107004070149	70	1,960	2,514.2	3,694.7	Bright	sZ	22.63

102107003070149	70	1,960	2,514.2	3,694.7	Bright	zS	22.63
102107006070149	70	1,960	2,514.2	3,694.7	Bright	zZ	22.63
102107005070149	70	1,960	2,514.2	3,694.7	Bright	sS	22.63
102107004270149	70	1,960	2,514.2	3,694.7	Galvanized	sZ	22.63
102107003270149	70	1,960	2,514.2	3,694.7	Galvanized	zS	22.63
102107006270149	70	1,960	2,514.2	3,694.7	Galvanized	zZ	22.63
102107005270149	70	1,960	2,514.2	3,694.7	Galvanized	sS	22.63
102107204070149	72	1,960	2,659.9	3,926.2	Bright	sZ	23.94
102107203070149	72	1,960	2,659.9	3,926.2	Bright	zS	23.94
102107206070149	72	1,960	2,659.9	3,926.2	Bright	zZ	23.94
102107205070149	72	1,960	2,659.9	3,926.2	Bright	sS	23.94
102107204270149	72	1,960	2,659.9	3,926.2	Galvanized	sZ	23.94
102107203270149	72	1,960	2,659.9	3,926.2	Galvanized	zS	23.94
102107206270149	72	1,960	2,659.9	3,926.2	Galvanized	zZ	23.94
102107205270149	72	1,960	2,659.9	3,926.2	Galvanized	sS	23.94