



Offshore crane



Piling crane



Mobile port crane



## Steel Wire Rope Verotop P

### Product information



**Wire rope construction:** Verotop P is a rotation-resistant rope with compacted strands and a rope core covered with a plastic layer.

#### Features:

- Very high breaking strength.
- Provides a very stable rope structure and achieves excellent bending fatigue results.
- Offers excellent crushing and very good abrasion resistance.
- Possesses perfect spooling behavior on multilayer drum.

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

**Marking:** According to standard

**Standard:** EN 12385-4

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

**Fill factor:** 0.73

**RCN:** 23-3

**Tolerance Ø:** +2% to +4%

| Part Code       | Rope Diameter, mm | Tensile strength N/mm <sup>2</sup> | Finish | Rope lay. | Min. Breaking force kN | Steel area mm <sup>2</sup> | Lubrication      | Weight kg/100m |
|-----------------|-------------------|------------------------------------|--------|-----------|------------------------|----------------------------|------------------|----------------|
| 104101605070149 | 16                | 1,960                              | Bright | sS        | 241.7                  | 147                        | SupplierStandard | 125            |
| 104101604070149 | 16                | 1,960                              | Bright | sZ        | 241.7                  | 147                        | SupplierStandard | 125            |
| 104101603070149 | 16                | 1,960                              | Bright | zS        | 241.7                  | 147                        | SupplierStandard | 125            |
| 104101606070149 | 16                | 1,960                              | Bright | zZ        | 241.7                  | 147                        | SupplierStandard | 125            |

|                 |    |       |            |    |       |     |                  |     |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|
| 104101605270149 | 16 | 1,960 | Galvanized | sS | 241.7 | 147 | SupplierStandard | 125 |
| 104101604270149 | 16 | 1,960 | Galvanized | sZ | 241.7 | 147 | SupplierStandard | 125 |
| 104101603270149 | 16 | 1,960 | Galvanized | zS | 241.7 | 147 | SupplierStandard | 125 |
| 104101606270149 | 16 | 1,960 | Galvanized | zZ | 241.7 | 147 | SupplierStandard | 125 |
| 104101605100149 | 16 | 2,160 | Bright     | sS | 252.7 | 147 | SupplierStandard | 125 |
| 104101604100149 | 16 | 2,160 | Bright     | sZ | 252.7 | 147 | SupplierStandard | 125 |
| 104101603100149 | 16 | 2,160 | Bright     | zS | 252.7 | 147 | SupplierStandard | 125 |
| 104101606100149 | 16 | 2,160 | Bright     | zZ | 252.7 | 147 | SupplierStandard | 125 |
| 104101605300149 | 16 | 2,160 | Galvanized | sS | 252.7 | 147 | SupplierStandard | 125 |
| 104101604300149 | 16 | 2,160 | Galvanized | sZ | 252.7 | 147 | SupplierStandard | 125 |
| 104101603300149 | 16 | 2,160 | Galvanized | zS | 252.7 | 147 | SupplierStandard | 125 |
| 104101606300149 | 16 | 2,160 | Galvanized | zZ | 252.7 | 147 | SupplierStandard | 125 |
| 104101705070149 | 17 | 1,960 | Bright     | sS | 272.8 | 166 | SupplierStandard | 141 |
| 104101704070149 | 17 | 1,960 | Bright     | sZ | 272.8 | 166 | SupplierStandard | 141 |
| 104101703070149 | 17 | 1,960 | Bright     | zS | 272.8 | 166 | SupplierStandard | 141 |
| 104101706070149 | 17 | 1,960 | Bright     | zZ | 272.8 | 166 | SupplierStandard | 141 |
| 104101705270149 | 17 | 1,960 | Galvanized | sS | 272.8 | 166 | SupplierStandard | 141 |
| 104101704270149 | 17 | 1,960 | Galvanized | sZ | 272.8 | 166 | SupplierStandard | 141 |
| 104101703270149 | 17 | 1,960 | Galvanized | zS | 272.8 | 166 | SupplierStandard | 141 |
| 104101706270149 | 17 | 1,960 | Galvanized | zZ | 272.8 | 166 | SupplierStandard | 141 |
| 104101705100149 | 17 | 2,160 | Bright     | sS | 285.3 | 166 | SupplierStandard | 141 |
| 104101704100149 | 17 | 2,160 | Bright     | sZ | 285.3 | 166 | SupplierStandard | 141 |
| 104101703100149 | 17 | 2,160 | Bright     | zS | 285.3 | 166 | SupplierStandard | 141 |

|                 |    |       |            |    |       |     |                  |     |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|
| 104101706100149 | 17 | 2,160 | Bright     | zZ | 285.3 | 166 | SupplierStandard | 141 |
| 104101705300149 | 17 | 2,160 | Galvanized | sS | 285.3 | 166 | SupplierStandard | 141 |
| 104101704300149 | 17 | 2,160 | Galvanized | sZ | 285.3 | 166 | SupplierStandard | 141 |
| 104101703300149 | 17 | 2,160 | Galvanized | zS | 285.3 | 166 | SupplierStandard | 141 |
| 104101706300149 | 17 | 2,160 | Galvanized | zZ | 285.3 | 166 | SupplierStandard | 141 |
| 104101805070149 | 18 | 1,960 | Bright     | sS | 305.8 | 186 | SupplierStandard | 158 |
| 104101804070149 | 18 | 1,960 | Bright     | sZ | 305.8 | 186 | SupplierStandard | 158 |
| 104101803070149 | 18 | 1,960 | Bright     | zS | 305.8 | 186 | SupplierStandard | 158 |
| 104101806070149 | 18 | 1,960 | Bright     | zZ | 305.8 | 186 | SupplierStandard | 158 |
| 104101805270149 | 18 | 1,960 | Galvanized | sS | 305.8 | 186 | SupplierStandard | 158 |
| 104101804270149 | 18 | 1,960 | Galvanized | sZ | 305.8 | 186 | SupplierStandard | 158 |
| 104101803270149 | 18 | 1,960 | Galvanized | zS | 305.8 | 186 | SupplierStandard | 158 |
| 104101806270149 | 18 | 1,960 | Galvanized | zZ | 305.8 | 186 | SupplierStandard | 158 |
| 104101805100149 | 18 | 2,160 | Bright     | sS | 319.8 | 186 | SupplierStandard | 158 |
| 104101804100149 | 18 | 2,160 | Bright     | sZ | 319.8 | 186 | SupplierStandard | 158 |
| 104101803100149 | 18 | 2,160 | Bright     | zS | 319.8 | 186 | SupplierStandard | 158 |
| 104101806100149 | 18 | 2,160 | Bright     | zZ | 319.8 | 186 | SupplierStandard | 158 |
| 104101805300149 | 18 | 2,160 | Galvanized | sS | 319.8 | 186 | SupplierStandard | 158 |
| 104101804300149 | 18 | 2,160 | Galvanized | sZ | 319.8 | 186 | SupplierStandard | 158 |
| 104101803300149 | 18 | 2,160 | Galvanized | zS | 319.8 | 186 | SupplierStandard | 158 |
| 104101806300149 | 18 | 2,160 | Galvanized | zZ | 319.8 | 186 | SupplierStandard | 158 |
| 104101905070149 | 19 | 1,960 | Bright     | sS | 340.8 | 207 | SupplierStandard | 176 |
| 104101904070149 | 19 | 1,960 | Bright     | sZ | 340.8 | 207 | SupplierStandard | 176 |

|                 |    |       |            |    |       |     |                  |     |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|
| 104101903070149 | 19 | 1,960 | Bright     | zS | 340.8 | 207 | SupplierStandard | 176 |
| 104101906070149 | 19 | 1,960 | Bright     | zZ | 340.8 | 207 | SupplierStandard | 176 |
| 104101905270149 | 19 | 1,960 | Galvanized | sS | 340.8 | 207 | SupplierStandard | 176 |
| 104101904270149 | 19 | 1,960 | Galvanized | sZ | 340.8 | 207 | SupplierStandard | 176 |
| 104101903270149 | 19 | 1,960 | Galvanized | zS | 340.8 | 207 | SupplierStandard | 176 |
| 104101906270149 | 19 | 1,960 | Galvanized | zZ | 340.8 | 207 | SupplierStandard | 176 |
| 104101905100149 | 19 | 2,160 | Bright     | sS | 356.3 | 207 | SupplierStandard | 176 |
| 104101904100149 | 19 | 2,160 | Bright     | sZ | 356.3 | 207 | SupplierStandard | 176 |
| 104101903100149 | 19 | 2,160 | Bright     | zS | 356.3 | 207 | SupplierStandard | 176 |
| 104101906100149 | 19 | 2,160 | Bright     | zZ | 356.3 | 207 | SupplierStandard | 176 |
| 104101905300149 | 19 | 2,160 | Galvanized | sS | 356.3 | 207 | SupplierStandard | 176 |
| 104101904300149 | 19 | 2,160 | Galvanized | sZ | 356.3 | 207 | SupplierStandard | 176 |
| 104101903300149 | 19 | 2,160 | Galvanized | zS | 356.3 | 207 | SupplierStandard | 176 |
| 104101906300149 | 19 | 2,160 | Galvanized | zZ | 356.3 | 207 | SupplierStandard | 176 |
| 104102005070149 | 20 | 1,960 | Bright     | sS | 377.6 | 229 | SupplierStandard | 195 |
| 104102004070149 | 20 | 1,960 | Bright     | sZ | 377.6 | 229 | SupplierStandard | 195 |
| 104102003070149 | 20 | 1,960 | Bright     | zS | 377.6 | 229 | SupplierStandard | 195 |
| 104102006070149 | 20 | 1,960 | Bright     | zZ | 377.6 | 229 | SupplierStandard | 195 |
| 104102005270149 | 20 | 1,960 | Galvanized | sS | 377.6 | 229 | SupplierStandard | 195 |
| 104102004270149 | 20 | 1,960 | Galvanized | sZ | 377.6 | 229 | SupplierStandard | 195 |
| 104102003270149 | 20 | 1,960 | Galvanized | zS | 377.6 | 229 | SupplierStandard | 195 |
| 104102006270149 | 20 | 1,960 | Galvanized | zZ | 377.6 | 229 | SupplierStandard | 195 |
| 104102005100149 | 20 | 2,160 | Bright     | sS | 394.8 | 229 | SupplierStandard | 195 |

|                 |    |       |            |    |       |     |                  |     |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|
| 104102004100149 | 20 | 2,160 | Bright     | sZ | 394.8 | 229 | SupplierStandard | 195 |
| 104102003100149 | 20 | 2,160 | Bright     | zS | 394.8 | 229 | SupplierStandard | 195 |
| 104102006100149 | 20 | 2,160 | Bright     | zZ | 394.8 | 229 | SupplierStandard | 195 |
| 104102005300149 | 20 | 2,160 | Galvanized | sS | 394.8 | 229 | SupplierStandard | 195 |
| 104102004300149 | 20 | 2,160 | Galvanized | sZ | 394.8 | 229 | SupplierStandard | 195 |
| 104102003300149 | 20 | 2,160 | Galvanized | zS | 394.8 | 229 | SupplierStandard | 195 |
| 104102006300149 | 20 | 2,160 | Galvanized | zZ | 394.8 | 229 | SupplierStandard | 195 |
| 104102105070149 | 21 | 1,960 | Bright     | sS | 416.3 | 253 | SupplierStandard | 215 |
| 104102104070149 | 21 | 1,960 | Bright     | sZ | 416.3 | 253 | SupplierStandard | 215 |
| 104102103070149 | 21 | 1,960 | Bright     | zS | 416.3 | 253 | SupplierStandard | 215 |
| 104102106070149 | 21 | 1,960 | Bright     | zZ | 416.3 | 253 | SupplierStandard | 215 |
| 104102105270149 | 21 | 1,960 | Galvanized | sS | 416.3 | 253 | SupplierStandard | 215 |
| 104102104270149 | 21 | 1,960 | Galvanized | sZ | 416.3 | 253 | SupplierStandard | 215 |
| 104102103270149 | 21 | 1,960 | Galvanized | zS | 416.3 | 253 | SupplierStandard | 215 |
| 104102106270149 | 21 | 1,960 | Galvanized | zZ | 416.3 | 253 | SupplierStandard | 215 |
| 104102105100149 | 21 | 2,160 | Bright     | sS | 435.3 | 253 | SupplierStandard | 215 |
| 104102104100149 | 21 | 2,160 | Bright     | sZ | 435.3 | 253 | SupplierStandard | 215 |
| 104102103100149 | 21 | 2,160 | Bright     | zS | 435.3 | 253 | SupplierStandard | 215 |
| 104102106100149 | 21 | 2,160 | Bright     | zZ | 435.3 | 253 | SupplierStandard | 215 |
| 104102105300149 | 21 | 2,160 | Galvanized | sS | 435.3 | 253 | SupplierStandard | 215 |
| 104102104300149 | 21 | 2,160 | Galvanized | sZ | 435.3 | 253 | SupplierStandard | 215 |
| 104102103300149 | 21 | 2,160 | Galvanized | zS | 435.3 | 253 | SupplierStandard | 215 |
| 104102106300149 | 21 | 2,160 | Galvanized | zZ | 435.3 | 253 | SupplierStandard | 215 |

|                 |      |       |            |    |       |     |                  |     |
|-----------------|------|-------|------------|----|-------|-----|------------------|-----|
| 104102205070149 | 22   | 1,960 | Bright     | sS | 456.9 | 277 | SupplierStandard | 236 |
| 104102204070149 | 22   | 1,960 | Bright     | sZ | 456.9 | 277 | SupplierStandard | 236 |
| 104102203070149 | 22   | 1,960 | Bright     | zS | 456.9 | 277 | SupplierStandard | 236 |
| 104102206070149 | 22   | 1,960 | Bright     | zZ | 456.9 | 277 | SupplierStandard | 236 |
| 104102205270149 | 22   | 1,960 | Galvanized | sS | 456.9 | 277 | SupplierStandard | 236 |
| 104102204270149 | 22   | 1,960 | Galvanized | sZ | 456.9 | 277 | SupplierStandard | 236 |
| 104102203270149 | 22   | 1,960 | Galvanized | zS | 456.9 | 277 | SupplierStandard | 236 |
| 104102206270149 | 22   | 1,960 | Galvanized | zZ | 456.9 | 277 | SupplierStandard | 236 |
| 104102205100149 | 22   | 2,160 | Bright     | sS | 477.7 | 277 | SupplierStandard | 236 |
| 104102204100149 | 22   | 2,160 | Bright     | sZ | 477.7 | 277 | SupplierStandard | 236 |
| 104102203100149 | 22   | 2,160 | Bright     | zS | 477.7 | 277 | SupplierStandard | 236 |
| 104102206100149 | 22   | 2,160 | Bright     | zZ | 477.7 | 277 | SupplierStandard | 236 |
| 104102205300149 | 22   | 2,160 | Galvanized | sS | 477.7 | 277 | SupplierStandard | 236 |
| 104102204300149 | 22   | 2,160 | Galvanized | sZ | 477.7 | 277 | SupplierStandard | 236 |
| 104102203300149 | 22   | 2,160 | Galvanized | zS | 477.7 | 277 | SupplierStandard | 236 |
| 104102206300149 | 22   | 2,160 | Galvanized | zZ | 477.7 | 277 | SupplierStandard | 236 |
| 104102245070149 | 22.4 | 1,960 | Bright     | sS | 473.6 | 283 | SupplierStandard | 240 |
| 104102244070149 | 22.4 | 1,960 | Bright     | sZ | 473.6 | 283 | SupplierStandard | 240 |
| 104102243070149 | 22.4 | 1,960 | Bright     | zS | 473.6 | 283 | SupplierStandard | 240 |
| 104102246070149 | 22.4 | 1,960 | Bright     | zZ | 473.6 | 283 | SupplierStandard | 240 |
| 104102245270149 | 22.4 | 1,960 | Galvanized | sS | 473.6 | 283 | SupplierStandard | 240 |
| 104102244270149 | 22.4 | 1,960 | Galvanized | sZ | 473.6 | 283 | SupplierStandard | 240 |
| 104102243270149 | 22.4 | 1,960 | Galvanized | zS | 473.6 | 283 | SupplierStandard | 240 |

|                 |      |       |            |    |       |     |                  |     |
|-----------------|------|-------|------------|----|-------|-----|------------------|-----|
| 104102246270149 | 22.4 | 1,960 | Galvanized | zZ | 473.6 | 283 | SupplierStandard | 240 |
| 104102245100149 | 22.4 | 2,160 | Bright     | sS | 495.3 | 283 | SupplierStandard | 240 |
| 104102244100149 | 22.4 | 2,160 | Bright     | sZ | 495.3 | 283 | SupplierStandard | 240 |
| 104102243100149 | 22.4 | 2,160 | Bright     | zS | 495.3 | 283 | SupplierStandard | 240 |
| 104102246100149 | 22.4 | 2,160 | Bright     | zZ | 495.3 | 283 | SupplierStandard | 240 |
| 104102245300149 | 22.4 | 2,160 | Galvanized | sS | 495.3 | 283 | SupplierStandard | 240 |
| 104102244300149 | 22.4 | 2,160 | Galvanized | sZ | 495.3 | 283 | SupplierStandard | 240 |
| 104102243300149 | 22.4 | 2,160 | Galvanized | zS | 495.3 | 283 | SupplierStandard | 240 |
| 104102246300149 | 22.4 | 2,160 | Galvanized | zZ | 495.3 | 283 | SupplierStandard | 240 |
| 104102305070149 | 23   | 1,960 | Bright     | sS | 499.3 | 303 | SupplierStandard | 258 |
| 104102304070149 | 23   | 1,960 | Bright     | sZ | 499.3 | 303 | SupplierStandard | 258 |
| 104102303070149 | 23   | 1,960 | Bright     | zS | 499.3 | 303 | SupplierStandard | 258 |
| 104102306070149 | 23   | 1,960 | Bright     | zZ | 499.3 | 303 | SupplierStandard | 258 |
| 104102305270149 | 23   | 1,960 | Galvanized | sS | 499.3 | 303 | SupplierStandard | 258 |
| 104102304270149 | 23   | 1,960 | Galvanized | sZ | 499.3 | 303 | SupplierStandard | 258 |
| 104102303270149 | 23   | 1,960 | Galvanized | zS | 499.3 | 303 | SupplierStandard | 258 |
| 104102306270149 | 23   | 1,960 | Galvanized | zZ | 499.3 | 303 | SupplierStandard | 258 |
| 104102305100149 | 23   | 2,160 | Bright     | sS | 522.2 | 303 | SupplierStandard | 258 |
| 104102304100149 | 23   | 2,160 | Bright     | sZ | 522.2 | 303 | SupplierStandard | 258 |
| 104102303100149 | 23   | 2,160 | Bright     | zS | 522.2 | 303 | SupplierStandard | 258 |
| 104102306100149 | 23   | 2,160 | Bright     | zZ | 522.2 | 303 | SupplierStandard | 258 |
| 104102305300149 | 23   | 2,160 | Galvanized | sS | 522.2 | 303 | SupplierStandard | 258 |
| 104102304300149 | 23   | 2,160 | Galvanized | sZ | 522.2 | 303 | SupplierStandard | 258 |

|                 |    |       |            |    |       |     |                  |     |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|
| 104102303300149 | 23 | 2,160 | Galvanized | zS | 522.2 | 303 | SupplierStandard | 258 |
| 104102306300149 | 23 | 2,160 | Galvanized | zZ | 522.2 | 303 | SupplierStandard | 258 |
| 104102405070149 | 24 | 1,960 | Bright     | sS | 543.7 | 330 | SupplierStandard | 281 |
| 104102404070149 | 24 | 1,960 | Bright     | sZ | 543.7 | 330 | SupplierStandard | 281 |
| 104102403070149 | 24 | 1,960 | Bright     | zS | 543.7 | 330 | SupplierStandard | 281 |
| 104102406070149 | 24 | 1,960 | Bright     | zZ | 543.7 | 330 | SupplierStandard | 281 |
| 104102405270149 | 24 | 1,960 | Galvanized | sS | 543.7 | 330 | SupplierStandard | 281 |
| 104102404270149 | 24 | 1,960 | Galvanized | sZ | 543.7 | 330 | SupplierStandard | 281 |
| 104102403270149 | 24 | 1,960 | Galvanized | zS | 543.7 | 330 | SupplierStandard | 281 |
| 104102406270149 | 24 | 1,960 | Galvanized | zZ | 543.7 | 330 | SupplierStandard | 281 |
| 104102405100149 | 24 | 2,160 | Bright     | sS | 568.6 | 330 | SupplierStandard | 281 |
| 104102404100149 | 24 | 2,160 | Bright     | sZ | 568.6 | 330 | SupplierStandard | 281 |
| 104102403100149 | 24 | 2,160 | Bright     | zS | 568.6 | 330 | SupplierStandard | 281 |
| 104102406100149 | 24 | 2,160 | Bright     | zZ | 568.6 | 330 | SupplierStandard | 281 |
| 104102405300149 | 24 | 2,160 | Galvanized | sS | 568.6 | 330 | SupplierStandard | 281 |
| 104102404300149 | 24 | 2,160 | Galvanized | sZ | 568.6 | 330 | SupplierStandard | 281 |
| 104102403300149 | 24 | 2,160 | Galvanized | zS | 568.6 | 330 | SupplierStandard | 281 |
| 104102406300149 | 24 | 2,160 | Galvanized | zZ | 568.6 | 330 | SupplierStandard | 281 |
| 104102505070149 | 25 | 1,960 | Bright     | sS | 590   | 358 | SupplierStandard | 305 |
| 104102504070149 | 25 | 1,960 | Bright     | sZ | 590   | 358 | SupplierStandard | 305 |
| 104102503070149 | 25 | 1,960 | Bright     | zS | 590   | 358 | SupplierStandard | 305 |
| 104102506070149 | 25 | 1,960 | Bright     | zZ | 590   | 358 | SupplierStandard | 305 |
| 104102505270149 | 25 | 1,960 | Galvanized | sS | 590   | 358 | SupplierStandard | 305 |



|                 |      |       |            |    |       |     |                  |     |
|-----------------|------|-------|------------|----|-------|-----|------------------|-----|
| 104102504270149 | 25   | 1,960 | Galvanized | sZ | 590   | 358 | SupplierStandard | 305 |
| 104102503270149 | 25   | 1,960 | Galvanized | zS | 590   | 358 | SupplierStandard | 305 |
| 104102506270149 | 25   | 1,960 | Galvanized | zZ | 590   | 358 | SupplierStandard | 305 |
| 104102505100149 | 25   | 2,160 | Bright     | sS | 616.9 | 358 | SupplierStandard | 305 |
| 104102504100149 | 25   | 2,160 | Bright     | sZ | 616.9 | 358 | SupplierStandard | 305 |
| 104102503100149 | 25   | 2,160 | Bright     | zS | 616.9 | 358 | SupplierStandard | 305 |
| 104102506100149 | 25   | 2,160 | Bright     | zZ | 616.9 | 358 | SupplierStandard | 305 |
| 104102505300149 | 25   | 2,160 | Galvanized | sS | 616.9 | 358 | SupplierStandard | 305 |
| 104102504300149 | 25   | 2,160 | Galvanized | sZ | 616.9 | 358 | SupplierStandard | 305 |
| 104102503300149 | 25   | 2,160 | Galvanized | zS | 616.9 | 358 | SupplierStandard | 305 |
| 104102506300149 | 25   | 2,160 | Galvanized | zZ | 616.9 | 358 | SupplierStandard | 305 |
| 104102545070149 | 25.4 | 1,960 | Bright     | sS | 609   | 370 | SupplierStandard | 314 |
| 104102544070149 | 25.4 | 1,960 | Bright     | sZ | 609   | 370 | SupplierStandard | 314 |
| 104102543070149 | 25.4 | 1,960 | Bright     | zS | 609   | 370 | SupplierStandard | 314 |
| 104102546070149 | 25.4 | 1,960 | Bright     | zZ | 609   | 370 | SupplierStandard | 314 |
| 104102545270149 | 25.4 | 1,960 | Galvanized | sS | 609   | 370 | SupplierStandard | 314 |
| 104102544270149 | 25.4 | 1,960 | Galvanized | sZ | 609   | 370 | SupplierStandard | 314 |
| 104102543270149 | 25.4 | 1,960 | Galvanized | zS | 609   | 370 | SupplierStandard | 314 |
| 104102546270149 | 25.4 | 1,960 | Galvanized | zZ | 609   | 370 | SupplierStandard | 314 |
| 104102545100149 | 25.4 | 2,160 | Bright     | sS | 636.8 | 370 | SupplierStandard | 314 |
| 104102544100149 | 25.4 | 2,160 | Bright     | sZ | 636.8 | 370 | SupplierStandard | 314 |
| 104102543100149 | 25.4 | 2,160 | Bright     | zS | 636.8 | 370 | SupplierStandard | 314 |
| 104102546100149 | 25.4 | 2,160 | Bright     | zZ | 636.8 | 370 | SupplierStandard | 314 |

|                 |      |       |            |    |       |     |                  |     |
|-----------------|------|-------|------------|----|-------|-----|------------------|-----|
| 104102545300149 | 25.4 | 2,160 | Galvanized | sS | 636.8 | 370 | SupplierStandard | 314 |
| 104102544300149 | 25.4 | 2,160 | Galvanized | sZ | 636.8 | 370 | SupplierStandard | 314 |
| 104102543300149 | 25.4 | 2,160 | Galvanized | zS | 636.8 | 370 | SupplierStandard | 314 |
| 104102546300149 | 25.4 | 2,160 | Galvanized | zZ | 636.8 | 370 | SupplierStandard | 314 |
| 104102605070149 | 26   | 1,960 | Bright     | sS | 638.1 | 388 | SupplierStandard | 329 |
| 104102604070149 | 26   | 1,960 | Bright     | sZ | 638.1 | 388 | SupplierStandard | 329 |
| 104102603070149 | 26   | 1,960 | Bright     | zS | 638.1 | 388 | SupplierStandard | 329 |
| 104102606070149 | 26   | 1,960 | Bright     | zZ | 638.1 | 388 | SupplierStandard | 329 |
| 104102605270149 | 26   | 1,960 | Galvanized | sS | 638.1 | 388 | SupplierStandard | 329 |
| 104102604270149 | 26   | 1,960 | Galvanized | sZ | 638.1 | 388 | SupplierStandard | 329 |
| 104102603270149 | 26   | 1,960 | Galvanized | zS | 638.1 | 388 | SupplierStandard | 329 |
| 104102606270149 | 26   | 1,960 | Galvanized | zZ | 638.1 | 388 | SupplierStandard | 329 |
| 104102605100149 | 26   | 2,160 | Bright     | sS | 667.3 | 388 | SupplierStandard | 329 |
| 104102604100149 | 26   | 2,160 | Bright     | sZ | 667.3 | 388 | SupplierStandard | 329 |
| 104102603100149 | 26   | 2,160 | Bright     | zS | 667.3 | 388 | SupplierStandard | 329 |
| 104102606100149 | 26   | 2,160 | Bright     | zZ | 667.3 | 388 | SupplierStandard | 329 |
| 104102605300149 | 26   | 2,160 | Galvanized | sS | 667.3 | 388 | SupplierStandard | 329 |
| 104102604300149 | 26   | 2,160 | Galvanized | sZ | 667.3 | 388 | SupplierStandard | 329 |
| 104102603300149 | 26   | 2,160 | Galvanized | zS | 667.3 | 388 | SupplierStandard | 329 |
| 104102606300149 | 26   | 2,160 | Galvanized | zZ | 667.3 | 388 | SupplierStandard | 329 |
| 104102705070149 | 27   | 1,960 | Bright     | sS | 688.1 | 418 | SupplierStandard | 355 |
| 104102704070149 | 27   | 1,960 | Bright     | sZ | 688.1 | 418 | SupplierStandard | 355 |
| 104102703070149 | 27   | 1,960 | Bright     | zS | 688.1 | 418 | SupplierStandard | 355 |

|                 |    |       |            |    |       |     |                  |     |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|
| 104102706070149 | 27 | 1,960 | Bright     | zZ | 688.1 | 418 | SupplierStandard | 355 |
| 104102705270149 | 27 | 1,960 | Galvanized | sS | 688.1 | 418 | SupplierStandard | 355 |
| 104102704270149 | 27 | 1,960 | Galvanized | sZ | 688.1 | 418 | SupplierStandard | 355 |
| 104102703270149 | 27 | 1,960 | Galvanized | zS | 688.1 | 418 | SupplierStandard | 355 |
| 104102706270149 | 27 | 1,960 | Galvanized | zZ | 688.1 | 418 | SupplierStandard | 355 |
| 104102705100149 | 27 | 2,160 | Bright     | sS | 719.6 | 418 | SupplierStandard | 355 |
| 104102704100149 | 27 | 2,160 | Bright     | sZ | 719.6 | 418 | SupplierStandard | 355 |
| 104102703100149 | 27 | 2,160 | Bright     | zS | 719.6 | 418 | SupplierStandard | 355 |
| 104102706100149 | 27 | 2,160 | Bright     | zZ | 719.6 | 418 | SupplierStandard | 355 |
| 104102705300149 | 27 | 2,160 | Galvanized | sS | 719.6 | 418 | SupplierStandard | 355 |
| 104102704300149 | 27 | 2,160 | Galvanized | sZ | 719.6 | 418 | SupplierStandard | 355 |
| 104102703300149 | 27 | 2,160 | Galvanized | zS | 719.6 | 418 | SupplierStandard | 355 |
| 104102706300149 | 27 | 2,160 | Galvanized | zZ | 719.6 | 418 | SupplierStandard | 355 |
| 104102805070149 | 28 | 1,960 | Bright     | sS | 740.1 | 449 | SupplierStandard | 382 |
| 104102804070149 | 28 | 1,960 | Bright     | sZ | 740.1 | 449 | SupplierStandard | 382 |
| 104102803070149 | 28 | 1,960 | Bright     | zS | 740.1 | 449 | SupplierStandard | 382 |
| 104102806070149 | 28 | 1,960 | Bright     | zZ | 740.1 | 449 | SupplierStandard | 382 |
| 104102805270149 | 28 | 1,960 | Galvanized | sS | 740.1 | 449 | SupplierStandard | 382 |
| 104102804270149 | 28 | 1,960 | Galvanized | sZ | 740.1 | 449 | SupplierStandard | 382 |
| 104102803270149 | 28 | 1,960 | Galvanized | zS | 740.1 | 449 | SupplierStandard | 382 |
| 104102806270149 | 28 | 1,960 | Galvanized | zZ | 740.1 | 449 | SupplierStandard | 382 |
| 104102805100149 | 28 | 2,160 | Bright     | sS | 773.9 | 449 | SupplierStandard | 382 |
| 104102804100149 | 28 | 2,160 | Bright     | sZ | 773.9 | 449 | SupplierStandard | 382 |

|                 |      |       |            |    |       |     |                  |       |
|-----------------|------|-------|------------|----|-------|-----|------------------|-------|
| 104102803100149 | 28   | 2,160 | Bright     | zS | 773.9 | 449 | SupplierStandard | 382   |
| 104102806100149 | 28   | 2,160 | Bright     | zZ | 773.9 | 449 | SupplierStandard | 382   |
| 104102805300149 | 28   | 2,160 | Galvanized | sS | 773.9 | 449 | SupplierStandard | 382   |
| 104102804300149 | 28   | 2,160 | Galvanized | sZ | 773.9 | 449 | SupplierStandard | 382   |
| 104102803300149 | 28   | 2,160 | Galvanized | zS | 773.9 | 449 | SupplierStandard | 382   |
| 104102806300149 | 28   | 2,160 | Galvanized | zZ | 773.9 | 449 | SupplierStandard | 382   |
| 104102865070149 | 28.6 | 1,960 | Bright     | sS | 772.1 | 469 | SupplierStandard | 399   |
| 104102864070149 | 28.6 | 1,960 | Bright     | sZ | 772.1 | 469 | SupplierStandard | 399   |
| 104102863070149 | 28.6 | 1,960 | Bright     | zS | 772.1 | 469 | SupplierStandard | 399   |
| 104102866070149 | 28.6 | 1,960 | Bright     | zZ | 772.1 | 469 | SupplierStandard | 399   |
| 104102865270149 | 28.6 | 1,960 | Galvanized | sS | 772.1 | 469 | SupplierStandard | 399   |
| 104102864270149 | 28.6 | 1,960 | Galvanized | sZ | 772.1 | 469 | SupplierStandard | 399   |
| 104102863270149 | 28.6 | 1,960 | Galvanized | zS | 772.1 | 469 | SupplierStandard | 399   |
| 104102866270149 | 28.6 | 1,960 | Galvanized | zZ | 772.1 | 469 | SupplierStandard | 399   |
| 104102865100149 | 28.6 | 2,160 | Bright     | sS | 807.4 | 469 | SupplierStandard | 399   |
| 104102864100149 | 28.6 | 2,160 | Bright     | sZ | 807.4 | 469 | SupplierStandard | 399   |
| 104102863100149 | 28.6 | 2,160 | Bright     | zS | 807.4 | 469 | SupplierStandard | 399   |
| 104102866100149 | 28.6 | 2,160 | Bright     | zZ | 807.4 | 469 | SupplierStandard | 399   |
| 104102865300149 | 28.6 | 2,160 | Galvanized | sS | 807.4 | 469 | SupplierStandard | 399   |
| 104102864300149 | 28.6 | 2,160 | Galvanized | sZ | 807.4 | 469 | SupplierStandard | 399   |
| 104102863300149 | 28.6 | 2,160 | Galvanized | zS | 807.4 | 469 | SupplierStandard | 399   |
| 104102866300149 | 28.6 | 2,160 | Galvanized | zZ | 807.4 | 469 | SupplierStandard | 399   |
| 104102905070149 | 29   | 1,960 | Bright     | sS | 793.9 | 482 | SupplierStandard | 409.9 |

|                 |    |       |            |    |       |     |                  |       |
|-----------------|----|-------|------------|----|-------|-----|------------------|-------|
| 104102904070149 | 29 | 1,960 | Bright     | sZ | 793.9 | 482 | SupplierStandard | 409.9 |
| 104102903070149 | 29 | 1,960 | Bright     | zS | 793.9 | 482 | SupplierStandard | 409.9 |
| 104102906070149 | 29 | 1,960 | Bright     | zZ | 793.9 | 482 | SupplierStandard | 409.9 |
| 104102905270149 | 29 | 1,960 | Galvanized | sS | 793.9 | 482 | SupplierStandard | 409.9 |
| 104102904270149 | 29 | 1,960 | Galvanized | sZ | 793.9 | 482 | SupplierStandard | 409.9 |
| 104102903270149 | 29 | 1,960 | Galvanized | zS | 793.9 | 482 | SupplierStandard | 409.9 |
| 104102906270149 | 29 | 1,960 | Galvanized | zZ | 793.9 | 482 | SupplierStandard | 409.9 |
| 104102905100149 | 29 | 2,160 | Bright     | sS | 830.1 | 482 | SupplierStandard | 409.9 |
| 104102904100149 | 29 | 2,160 | Bright     | sZ | 830.1 | 482 | SupplierStandard | 409.9 |
| 104102903100149 | 29 | 2,160 | Bright     | zS | 830.1 | 482 | SupplierStandard | 409.9 |
| 104102906100149 | 29 | 2,160 | Bright     | zZ | 830.1 | 482 | SupplierStandard | 409.9 |
| 104102905300149 | 29 | 2,160 | Galvanized | sS | 830.1 | 482 | SupplierStandard | 409.9 |
| 104102904300149 | 29 | 2,160 | Galvanized | sZ | 830.1 | 482 | SupplierStandard | 409.9 |
| 104102903300149 | 29 | 2,160 | Galvanized | zS | 830.1 | 482 | SupplierStandard | 409.9 |
| 104102906300149 | 29 | 2,160 | Galvanized | zZ | 830.1 | 482 | SupplierStandard | 409.9 |
| 104103005070149 | 30 | 1,960 | Bright     | sS | 849.6 | 516 | SupplierStandard | 439   |
| 104103004070149 | 30 | 1,960 | Bright     | sZ | 849.6 | 516 | SupplierStandard | 439   |
| 104103003070149 | 30 | 1,960 | Bright     | zS | 849.6 | 516 | SupplierStandard | 439   |
| 104103006070149 | 30 | 1,960 | Bright     | zZ | 849.6 | 516 | SupplierStandard | 439   |
| 104103005270149 | 30 | 1,960 | Galvanized | sS | 849.6 | 516 | SupplierStandard | 439   |
| 104103004270149 | 30 | 1,960 | Galvanized | sZ | 849.6 | 516 | SupplierStandard | 439   |
| 104103003270149 | 30 | 1,960 | Galvanized | zS | 849.6 | 516 | SupplierStandard | 439   |
| 104103006270149 | 30 | 1,960 | Galvanized | zZ | 849.6 | 516 | SupplierStandard | 439   |

|                 |    |       |            |    |       |     |                  |     |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|
| 104103005100149 | 30 | 2,160 | Bright     | sS | 888.4 | 516 | SupplierStandard | 439 |
| 104103004100149 | 30 | 2,160 | Bright     | sZ | 888.4 | 516 | SupplierStandard | 439 |
| 104103003100149 | 30 | 2,160 | Bright     | zS | 888.4 | 516 | SupplierStandard | 439 |
| 104103006100149 | 30 | 2,160 | Bright     | zZ | 888.4 | 516 | SupplierStandard | 439 |
| 104103005300149 | 30 | 2,160 | Galvanized | sS | 888.4 | 516 | SupplierStandard | 439 |
| 104103004300149 | 30 | 2,160 | Galvanized | sZ | 888.4 | 516 | SupplierStandard | 439 |
| 104103003300149 | 30 | 2,160 | Galvanized | zS | 888.4 | 516 | SupplierStandard | 439 |
| 104103006300149 | 30 | 2,160 | Galvanized | zZ | 888.4 | 516 | SupplierStandard | 439 |
| 104103105070149 | 31 | 1,960 | Bright     | sS | 907.1 | 551 | SupplierStandard | 468 |
| 104103104070149 | 31 | 1,960 | Bright     | sZ | 907.1 | 551 | SupplierStandard | 468 |
| 104103103070149 | 31 | 1,960 | Bright     | zS | 907.1 | 551 | SupplierStandard | 468 |
| 104103106070149 | 31 | 1,960 | Bright     | zZ | 907.1 | 551 | SupplierStandard | 468 |
| 104103105270149 | 31 | 1,960 | Galvanized | sS | 907.1 | 551 | SupplierStandard | 468 |
| 104103104270149 | 31 | 1,960 | Galvanized | sZ | 907.1 | 551 | SupplierStandard | 468 |
| 104103103270149 | 31 | 1,960 | Galvanized | zS | 907.1 | 551 | SupplierStandard | 468 |
| 104103106270149 | 31 | 1,960 | Galvanized | zZ | 907.1 | 551 | SupplierStandard | 468 |
| 104103105100149 | 31 | 2,160 | Bright     | sS | 948.6 | 551 | SupplierStandard | 468 |
| 104103104100149 | 31 | 2,160 | Bright     | sZ | 948.6 | 551 | SupplierStandard | 468 |
| 104103103100149 | 31 | 2,160 | Bright     | zS | 948.6 | 551 | SupplierStandard | 468 |
| 104103106100149 | 31 | 2,160 | Bright     | zZ | 948.6 | 551 | SupplierStandard | 468 |
| 104103105300149 | 31 | 2,160 | Galvanized | sS | 948.6 | 551 | SupplierStandard | 468 |
| 104103104300149 | 31 | 2,160 | Galvanized | sZ | 948.6 | 551 | SupplierStandard | 468 |
| 104103103300149 | 31 | 2,160 | Galvanized | zS | 948.6 | 551 | SupplierStandard | 468 |

|                 |    |       |            |    |       |     |                  |     |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|
| 104103106300149 | 31 | 2,160 | Galvanized | zZ | 948.6 | 551 | SupplierStandard | 468 |
| 104103205070149 | 32 | 1,960 | Bright     | sS | 966.6 | 587 | SupplierStandard | 499 |
| 104103203070149 | 32 | 1,960 | Bright     | zS | 966.6 | 587 | SupplierStandard | 499 |
| 104103206070149 | 32 | 1,960 | Bright     | zZ | 966.6 | 587 | SupplierStandard | 499 |
| 104103205270149 | 32 | 1,960 | Galvanized | sS | 966.6 | 587 | SupplierStandard | 499 |
| 104103203270149 | 32 | 1,960 | Galvanized | zS | 966.6 | 587 | SupplierStandard | 499 |
| 104103206270149 | 32 | 1,960 | Galvanized | zZ | 966.6 | 587 | SupplierStandard | 499 |
| 104103205100149 | 32 | 2,160 | Bright     | sS | 1,011 | 587 | SupplierStandard | 499 |
| 104103203100149 | 32 | 2,160 | Bright     | zS | 1,011 | 587 | SupplierStandard | 499 |
| 104103206100149 | 32 | 2,160 | Bright     | zZ | 1,011 | 587 | SupplierStandard | 499 |
| 104103205300149 | 32 | 2,160 | Galvanized | sS | 1,011 | 587 | SupplierStandard | 499 |
| 104103203300149 | 32 | 2,160 | Galvanized | zS | 1,011 | 587 | SupplierStandard | 499 |
| 104103206300149 | 32 | 2,160 | Galvanized | zZ | 1,011 | 587 | SupplierStandard | 499 |
| 104103305070149 | 33 | 1,960 | Bright     | sS | 1,028 | 624 | SupplierStandard | 531 |
| 104103303070149 | 33 | 1,960 | Bright     | zS | 1,028 | 624 | SupplierStandard | 531 |
| 104103306070149 | 33 | 1,960 | Bright     | zZ | 1,028 | 624 | SupplierStandard | 531 |
| 104103305270149 | 33 | 1,960 | Galvanized | sS | 1,028 | 624 | SupplierStandard | 531 |
| 104103303270149 | 33 | 1,960 | Galvanized | zS | 1,028 | 624 | SupplierStandard | 531 |
| 104103306270149 | 33 | 1,960 | Galvanized | zZ | 1,028 | 624 | SupplierStandard | 531 |
| 104103305100149 | 33 | 2,160 | Bright     | sS | 1,075 | 624 | SupplierStandard | 531 |
| 104103303100149 | 33 | 2,160 | Bright     | zS | 1,075 | 624 | SupplierStandard | 531 |
| 104103306100149 | 33 | 2,160 | Bright     | zZ | 1,075 | 624 | SupplierStandard | 531 |
| 104103305300149 | 33 | 2,160 | Galvanized | sS | 1,075 | 624 | SupplierStandard | 531 |

|                 |    |       |            |    |       |     |                  |     |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|
| 104103303300149 | 33 | 2,160 | Galvanized | zS | 1,075 | 624 | SupplierStandard | 531 |
| 104103306300149 | 33 | 2,160 | Galvanized | zZ | 1,075 | 624 | SupplierStandard | 531 |
| 104103405070149 | 34 | 1,960 | Bright     | sS | 1,091 | 663 | SupplierStandard | 563 |
| 104103403070149 | 34 | 1,960 | Bright     | zS | 1,091 | 663 | SupplierStandard | 563 |
| 104103406070149 | 34 | 1,960 | Bright     | zZ | 1,091 | 663 | SupplierStandard | 563 |
| 104103405270149 | 34 | 1,960 | Galvanized | sS | 1,091 | 663 | SupplierStandard | 563 |
| 104103403270149 | 34 | 1,960 | Galvanized | zS | 1,091 | 663 | SupplierStandard | 563 |
| 104103406270149 | 34 | 1,960 | Galvanized | zZ | 1,091 | 663 | SupplierStandard | 563 |
| 104103405100149 | 34 | 2,160 | Bright     | sS | 1,141 | 663 | SupplierStandard | 563 |
| 104103403100149 | 34 | 2,160 | Bright     | zS | 1,141 | 663 | SupplierStandard | 563 |
| 104103406100149 | 34 | 2,160 | Bright     | zZ | 1,141 | 663 | SupplierStandard | 563 |
| 104103405300149 | 34 | 2,160 | Galvanized | sS | 1,141 | 663 | SupplierStandard | 563 |
| 104103403300149 | 34 | 2,160 | Galvanized | zS | 1,141 | 663 | SupplierStandard | 563 |
| 104103406300149 | 34 | 2,160 | Galvanized | zZ | 1,141 | 663 | SupplierStandard | 563 |
| 104103505070149 | 35 | 1,960 | Bright     | sS | 1,156 | 702 | SupplierStandard | 597 |
| 104103503070149 | 35 | 1,960 | Bright     | zS | 1,156 | 702 | SupplierStandard | 597 |
| 104103506070149 | 35 | 1,960 | Bright     | zZ | 1,156 | 702 | SupplierStandard | 597 |
| 104103505270149 | 35 | 1,960 | Galvanized | sS | 1,156 | 702 | SupplierStandard | 597 |
| 104103503270149 | 35 | 1,960 | Galvanized | zS | 1,156 | 702 | SupplierStandard | 597 |
| 104103506270149 | 35 | 1,960 | Galvanized | zZ | 1,156 | 702 | SupplierStandard | 597 |
| 104103505100149 | 35 | 2,160 | Bright     | sS | 1,209 | 702 | SupplierStandard | 597 |
| 104103503100149 | 35 | 2,160 | Bright     | zS | 1,209 | 702 | SupplierStandard | 597 |
| 104103506100149 | 35 | 2,160 | Bright     | zZ | 1,209 | 702 | SupplierStandard | 597 |



|                 |    |       |            |    |       |     |                  |     |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|
| 104103505300149 | 35 | 2,160 | Galvanized | sS | 1,209 | 702 | SupplierStandard | 597 |
| 104103503300149 | 35 | 2,160 | Galvanized | zS | 1,209 | 702 | SupplierStandard | 597 |
| 104103506300149 | 35 | 2,160 | Galvanized | zZ | 1,209 | 702 | SupplierStandard | 597 |
| 104103605070149 | 36 | 1,960 | Bright     | sS | 1,223 | 743 | SupplierStandard | 632 |
| 104103603070149 | 36 | 1,960 | Bright     | zS | 1,223 | 743 | SupplierStandard | 632 |
| 104103606070149 | 36 | 1,960 | Bright     | zZ | 1,223 | 743 | SupplierStandard | 632 |
| 104103605270149 | 36 | 1,960 | Galvanized | sS | 1,223 | 743 | SupplierStandard | 632 |
| 104103603270149 | 36 | 1,960 | Galvanized | zS | 1,223 | 743 | SupplierStandard | 632 |
| 104103606270149 | 36 | 1,960 | Galvanized | zZ | 1,223 | 743 | SupplierStandard | 632 |
| 104103605100149 | 36 | 2,160 | Bright     | sS | 1,279 | 743 | SupplierStandard | 632 |
| 104103603100149 | 36 | 2,160 | Bright     | zS | 1,279 | 743 | SupplierStandard | 632 |
| 104103606100149 | 36 | 2,160 | Bright     | zZ | 1,279 | 743 | SupplierStandard | 632 |
| 104103605300149 | 36 | 2,160 | Galvanized | sS | 1,279 | 743 | SupplierStandard | 632 |
| 104103603300149 | 36 | 2,160 | Galvanized | zS | 1,279 | 743 | SupplierStandard | 632 |
| 104103606300149 | 36 | 2,160 | Galvanized | zZ | 1,279 | 743 | SupplierStandard | 632 |
| 104103805070149 | 38 | 1,960 | Bright     | sS | 1,363 | 828 | SupplierStandard | 704 |
| 104103803070149 | 38 | 1,960 | Bright     | zS | 1,363 | 828 | SupplierStandard | 704 |
| 104103806070149 | 38 | 1,960 | Bright     | zZ | 1,363 | 828 | SupplierStandard | 704 |
| 104103805270149 | 38 | 1,960 | Galvanized | sS | 1,363 | 828 | SupplierStandard | 704 |
| 104103803270149 | 38 | 1,960 | Galvanized | zS | 1,363 | 828 | SupplierStandard | 704 |
| 104103806270149 | 38 | 1,960 | Galvanized | zZ | 1,363 | 828 | SupplierStandard | 704 |
| 104103805100149 | 38 | 2,160 | Bright     | sS | 1,425 | 828 | SupplierStandard | 704 |
| 104103803100149 | 38 | 2,160 | Bright     | zS | 1,425 | 828 | SupplierStandard | 704 |

|                 |    |       |            |    |       |       |                  |     |
|-----------------|----|-------|------------|----|-------|-------|------------------|-----|
| 104103806100149 | 38 | 2,160 | Bright     | zZ | 1,425 | 828   | SupplierStandard | 704 |
| 104103805300149 | 38 | 2,160 | Galvanized | sS | 1,425 | 828   | SupplierStandard | 704 |
| 104103803300149 | 38 | 2,160 | Galvanized | zS | 1,425 | 828   | SupplierStandard | 704 |
| 104103806300149 | 38 | 2,160 | Galvanized | zZ | 1,425 | 828   | SupplierStandard | 704 |
| 104104005070149 | 40 | 1,960 | Bright     | sS | 1,510 | 917   | SupplierStandard | 780 |
| 104104003070149 | 40 | 1,960 | Bright     | zS | 1,510 | 917   | SupplierStandard | 780 |
| 104104006070149 | 40 | 1,960 | Bright     | zZ | 1,510 | 917   | SupplierStandard | 780 |
| 104104005270149 | 40 | 1,960 | Galvanized | sS | 1,510 | 917   | SupplierStandard | 780 |
| 104104003270149 | 40 | 1,960 | Galvanized | zS | 1,510 | 917   | SupplierStandard | 780 |
| 104104006270149 | 40 | 1,960 | Galvanized | zZ | 1,510 | 917   | SupplierStandard | 780 |
| 104104005100149 | 40 | 2,160 | Bright     | sS | 1,579 | 917   | SupplierStandard | 780 |
| 104104003100149 | 40 | 2,160 | Bright     | zS | 1,579 | 917   | SupplierStandard | 780 |
| 104104006100149 | 40 | 2,160 | Bright     | zZ | 1,579 | 917   | SupplierStandard | 780 |
| 104104005300149 | 40 | 2,160 | Galvanized | sS | 1,579 | 917   | SupplierStandard | 780 |
| 104104003300149 | 40 | 2,160 | Galvanized | zS | 1,579 | 917   | SupplierStandard | 780 |
| 104104006300149 | 40 | 2,160 | Galvanized | zZ | 1,579 | 917   | SupplierStandard | 780 |
| 104104205070149 | 42 | 1,960 | Bright     | sS | 1,665 | 1,011 | SupplierStandard | 860 |
| 104104203070149 | 42 | 1,960 | Bright     | zS | 1,665 | 1,011 | SupplierStandard | 860 |
| 104104206070149 | 42 | 1,960 | Bright     | zZ | 1,665 | 1,011 | SupplierStandard | 860 |
| 104104205270149 | 42 | 1,960 | Galvanized | sS | 1,665 | 1,011 | SupplierStandard | 860 |
| 104104203270149 | 42 | 1,960 | Galvanized | zS | 1,665 | 1,011 | SupplierStandard | 860 |
| 104104206270149 | 42 | 1,960 | Galvanized | zZ | 1,665 | 1,011 | SupplierStandard | 860 |
| 104104205100149 | 42 | 2,160 | Bright     | sS | 1,741 | 1,011 | SupplierStandard | 860 |

|                 |    |       |            |    |       |       |                  |     |
|-----------------|----|-------|------------|----|-------|-------|------------------|-----|
| 104104203100149 | 42 | 2,160 | Bright     | zS | 1,741 | 1,011 | SupplierStandard | 860 |
| 104104206100149 | 42 | 2,160 | Bright     | zZ | 1,741 | 1,011 | SupplierStandard | 860 |
| 104104205300149 | 42 | 2,160 | Galvanized | sS | 1,741 | 1,011 | SupplierStandard | 860 |
| 104104203300149 | 42 | 2,160 | Galvanized | zS | 1,741 | 1,011 | SupplierStandard | 860 |
| 104104206300149 | 42 | 2,160 | Galvanized | zZ | 1,741 | 1,011 | SupplierStandard | 860 |
| 104104305070149 | 43 | 1,960 | Bright     | sS | 1,745 | 1,060 | SupplierStandard | 901 |
| 104104303070149 | 43 | 1,960 | Bright     | zS | 1,745 | 1,060 | SupplierStandard | 901 |
| 104104306070149 | 43 | 1,960 | Bright     | zZ | 1,745 | 1,060 | SupplierStandard | 901 |
| 104104305270149 | 43 | 1,960 | Galvanized | sS | 1,745 | 1,060 | SupplierStandard | 901 |
| 104104303270149 | 43 | 1,960 | Galvanized | zS | 1,745 | 1,060 | SupplierStandard | 901 |
| 104104306270149 | 43 | 1,960 | Galvanized | zZ | 1,745 | 1,060 | SupplierStandard | 901 |
| 104104305100149 | 43 | 2,160 | Bright     | sS | 1,825 | 1,060 | SupplierStandard | 901 |
| 104104303100149 | 43 | 2,160 | Bright     | zS | 1,825 | 1,060 | SupplierStandard | 901 |
| 104104306100149 | 43 | 2,160 | Bright     | zZ | 1,825 | 1,060 | SupplierStandard | 901 |
| 104104305300149 | 43 | 2,160 | Galvanized | sS | 1,825 | 1,060 | SupplierStandard | 901 |
| 104104303300149 | 43 | 2,160 | Galvanized | zS | 1,825 | 1,060 | SupplierStandard | 901 |
| 104104306300149 | 43 | 2,160 | Galvanized | zZ | 1,825 | 1,060 | SupplierStandard | 901 |
| 104104405070149 | 44 | 1,960 | Bright     | sS | 1,827 | 1,110 | SupplierStandard | 944 |
| 104104403070149 | 44 | 1,960 | Bright     | zS | 1,827 | 1,110 | SupplierStandard | 944 |
| 104104406070149 | 44 | 1,960 | Bright     | zZ | 1,827 | 1,110 | SupplierStandard | 944 |
| 104104405270149 | 44 | 1,960 | Galvanized | sS | 1,827 | 1,110 | SupplierStandard | 944 |
| 104104403270149 | 44 | 1,960 | Galvanized | zS | 1,827 | 1,110 | SupplierStandard | 944 |
| 104104406270149 | 44 | 1,960 | Galvanized | zZ | 1,827 | 1,110 | SupplierStandard | 944 |

|                 |    |       |            |    |       |       |                  |       |
|-----------------|----|-------|------------|----|-------|-------|------------------|-------|
| 104104405100149 | 44 | 2,160 | Bright     | sS | 1,911 | 1,110 | SupplierStandard | 944   |
| 104104403100149 | 44 | 2,160 | Bright     | zS | 1,911 | 1,110 | SupplierStandard | 944   |
| 104104406100149 | 44 | 2,160 | Bright     | zZ | 1,911 | 1,110 | SupplierStandard | 944   |
| 104104405300149 | 44 | 2,160 | Galvanized | sS | 1,911 | 1,110 | SupplierStandard | 944   |
| 104104403300149 | 44 | 2,160 | Galvanized | zS | 1,911 | 1,110 | SupplierStandard | 944   |
| 104104406300149 | 44 | 2,160 | Galvanized | zZ | 1,911 | 1,110 | SupplierStandard | 944   |
| 104104505070149 | 45 | 1,960 | Bright     | sS | 1,911 | 1,161 | SupplierStandard | 987   |
| 104104503070149 | 45 | 1,960 | Bright     | zS | 1,911 | 1,161 | SupplierStandard | 987   |
| 104104506070149 | 45 | 1,960 | Bright     | zZ | 1,911 | 1,161 | SupplierStandard | 987   |
| 104104505270149 | 45 | 1,960 | Galvanized | sS | 1,911 | 1,161 | SupplierStandard | 987   |
| 104104503270149 | 45 | 1,960 | Galvanized | zS | 1,911 | 1,161 | SupplierStandard | 987   |
| 104104506270149 | 45 | 1,960 | Galvanized | zZ | 1,911 | 1,161 | SupplierStandard | 987   |
| 104104505100149 | 45 | 2,160 | Bright     | sS | 1,999 | 1,161 | SupplierStandard | 987   |
| 104104503100149 | 45 | 2,160 | Bright     | zS | 1,999 | 1,161 | SupplierStandard | 987   |
| 104104506100149 | 45 | 2,160 | Bright     | zZ | 1,999 | 1,161 | SupplierStandard | 987   |
| 104104505300149 | 45 | 2,160 | Galvanized | sS | 1,999 | 1,161 | SupplierStandard | 987   |
| 104104503300149 | 45 | 2,160 | Galvanized | zS | 1,999 | 1,161 | SupplierStandard | 987   |
| 104104506300149 | 45 | 2,160 | Galvanized | zZ | 1,999 | 1,161 | SupplierStandard | 987   |
| 104104605070149 | 46 | 1,960 | Bright     | sS | 1,997 | 1,213 | SupplierStandard | 1,031 |
| 104104603070149 | 46 | 1,960 | Bright     | zS | 1,997 | 1,213 | SupplierStandard | 1,031 |
| 104104606070149 | 46 | 1,960 | Bright     | zZ | 1,997 | 1,213 | SupplierStandard | 1,031 |
| 104104605270149 | 46 | 1,960 | Galvanized | sS | 1,997 | 1,213 | SupplierStandard | 1,031 |
| 104104603270149 | 46 | 1,960 | Galvanized | zS | 1,997 | 1,213 | SupplierStandard | 1,031 |

|                 |    |       |            |    |       |       |                  |       |
|-----------------|----|-------|------------|----|-------|-------|------------------|-------|
| 104104606270149 | 46 | 1,960 | Galvanized | zZ | 1,997 | 1,213 | SupplierStandard | 1,031 |
| 104104605100149 | 46 | 2,160 | Bright     | sS | 2,089 | 1,213 | SupplierStandard | 1,031 |
| 104104603100149 | 46 | 2,160 | Bright     | zS | 2,089 | 1,213 | SupplierStandard | 1,031 |
| 104104606100149 | 46 | 2,160 | Bright     | zZ | 2,089 | 1,213 | SupplierStandard | 1,031 |
| 104104605300149 | 46 | 2,160 | Galvanized | sS | 2,089 | 1,213 | SupplierStandard | 1,031 |
| 104104603300149 | 46 | 2,160 | Galvanized | zS | 2,089 | 1,213 | SupplierStandard | 1,031 |
| 104104606300149 | 46 | 2,160 | Galvanized | zZ | 2,089 | 1,213 | SupplierStandard | 1,031 |
| 104104805070149 | 48 | 1,960 | Bright     | sS | 2,175 | 1,321 | SupplierStandard | 1,123 |
| 104104803070149 | 48 | 1,960 | Bright     | zS | 2,175 | 1,321 | SupplierStandard | 1,123 |
| 104104806070149 | 48 | 1,960 | Bright     | zZ | 2,175 | 1,321 | SupplierStandard | 1,123 |
| 104104805270149 | 48 | 1,960 | Galvanized | sS | 2,175 | 1,321 | SupplierStandard | 1,123 |
| 104104803270149 | 48 | 1,960 | Galvanized | zS | 2,175 | 1,321 | SupplierStandard | 1,123 |
| 104104806270149 | 48 | 1,960 | Galvanized | zZ | 2,175 | 1,321 | SupplierStandard | 1,123 |
| 104104805100149 | 48 | 2,160 | Bright     | sS | 2,274 | 1,321 | SupplierStandard | 1,123 |
| 104104803100149 | 48 | 2,160 | Bright     | zS | 2,274 | 1,321 | SupplierStandard | 1,123 |
| 104104806100149 | 48 | 2,160 | Bright     | zZ | 2,274 | 1,321 | SupplierStandard | 1,123 |
| 104104805300149 | 48 | 2,160 | Galvanized | sS | 2,274 | 1,321 | SupplierStandard | 1,123 |
| 104104803300149 | 48 | 2,160 | Galvanized | zS | 2,274 | 1,321 | SupplierStandard | 1,123 |
| 104104806300149 | 48 | 2,160 | Galvanized | zZ | 2,274 | 1,321 | SupplierStandard | 1,123 |
| 104105005070149 | 50 | 1,960 | Bright     | sS | 2,360 | 1,433 | SupplierStandard | 1,218 |
| 104105003070149 | 50 | 1,960 | Bright     | zS | 2,360 | 1,433 | SupplierStandard | 1,218 |
| 104105006070149 | 50 | 1,960 | Bright     | zZ | 2,360 | 1,433 | SupplierStandard | 1,218 |
| 104105005270149 | 50 | 1,960 | Galvanized | sS | 2,360 | 1,433 | SupplierStandard | 1,218 |

|                 |    |       |            |    |       |       |                  |       |
|-----------------|----|-------|------------|----|-------|-------|------------------|-------|
| 104105003270149 | 50 | 1,960 | Galvanized | zS | 2,360 | 1,433 | SupplierStandard | 1,218 |
| 104105006270149 | 50 | 1,960 | Galvanized | zZ | 2,360 | 1,433 | SupplierStandard | 1,218 |
| 104105005100149 | 50 | 2,160 | Bright     | sS | 2,468 | 1,433 | SupplierStandard | 1,218 |
| 104105003100149 | 50 | 2,160 | Bright     | zS | 2,468 | 1,433 | SupplierStandard | 1,218 |
| 104105006100149 | 50 | 2,160 | Bright     | zZ | 2,468 | 1,433 | SupplierStandard | 1,218 |
| 104105005300149 | 50 | 2,160 | Galvanized | sS | 2,468 | 1,433 | SupplierStandard | 1,218 |
| 104105003300149 | 50 | 2,160 | Galvanized | zS | 2,468 | 1,433 | SupplierStandard | 1,218 |
| 104105006300149 | 50 | 2,160 | Galvanized | zZ | 2,468 | 1,433 | SupplierStandard | 1,218 |
| 104105205070149 | 52 | 1,960 | Bright     | sS | 2,552 | 1,550 | SupplierStandard | 1,318 |
| 104105203070149 | 52 | 1,960 | Bright     | zS | 2,552 | 1,550 | SupplierStandard | 1,318 |
| 104105206070149 | 52 | 1,960 | Bright     | zZ | 2,552 | 1,550 | SupplierStandard | 1,318 |
| 104105205270149 | 52 | 1,960 | Galvanized | sS | 2,552 | 1,550 | SupplierStandard | 1,318 |
| 104105203270149 | 52 | 1,960 | Galvanized | zS | 2,552 | 1,550 | SupplierStandard | 1,318 |
| 104105206270149 | 52 | 1,960 | Galvanized | zZ | 2,552 | 1,550 | SupplierStandard | 1,318 |
| 104105205100149 | 52 | 2,160 | Bright     | sS | 2,669 | 1,550 | SupplierStandard | 1,318 |
| 104105203100149 | 52 | 2,160 | Bright     | zS | 2,669 | 1,550 | SupplierStandard | 1,318 |
| 104105206100149 | 52 | 2,160 | Bright     | zZ | 2,669 | 1,550 | SupplierStandard | 1,318 |
| 104105205300149 | 52 | 2,160 | Galvanized | sS | 2,669 | 1,550 | SupplierStandard | 1,318 |
| 104105203300149 | 52 | 2,160 | Galvanized | zS | 2,669 | 1,550 | SupplierStandard | 1,318 |
| 104105206300149 | 52 | 2,160 | Galvanized | zZ | 2,669 | 1,550 | SupplierStandard | 1,318 |
| 104105405070149 | 54 | 1,960 | Bright     | sS | 2,753 | 1,671 | SupplierStandard | 1,421 |
| 104105403070149 | 54 | 1,960 | Bright     | zS | 2,753 | 1,671 | SupplierStandard | 1,421 |
| 104105406070149 | 54 | 1,960 | Bright     | zZ | 2,753 | 1,671 | SupplierStandard | 1,421 |

|                 |    |       |            |    |       |       |                  |       |
|-----------------|----|-------|------------|----|-------|-------|------------------|-------|
| 104105405270149 | 54 | 1,960 | Galvanized | sS | 2,753 | 1,671 | SupplierStandard | 1,421 |
| 104105403270149 | 54 | 1,960 | Galvanized | zS | 2,753 | 1,671 | SupplierStandard | 1,421 |
| 104105406270149 | 54 | 1,960 | Galvanized | zZ | 2,753 | 1,671 | SupplierStandard | 1,421 |
| 104105405100149 | 54 | 2,160 | Bright     | sS | 2,878 | 1,671 | SupplierStandard | 1,421 |
| 104105403100149 | 54 | 2,160 | Bright     | zS | 2,878 | 1,671 | SupplierStandard | 1,421 |
| 104105406100149 | 54 | 2,160 | Bright     | zZ | 2,878 | 1,671 | SupplierStandard | 1,421 |
| 104105405300149 | 54 | 2,160 | Galvanized | sS | 2,878 | 1,671 | SupplierStandard | 1,421 |
| 104105403300149 | 54 | 2,160 | Galvanized | zS | 2,878 | 1,671 | SupplierStandard | 1,421 |
| 104105406300149 | 54 | 2,160 | Galvanized | zZ | 2,878 | 1,671 | SupplierStandard | 1,421 |

## Technical data