

## Steel Wire Rope verostar 8

### Product information



**Wire rope construction:** Verostar 8 is a 8 strand non-rotation-resistant rope made out of conventional strands, plastic layer between the inner and outer strands.

#### Features:

- High breaking strength
- Very stable rope structure and achieves good bending fatigue results
- Achieves best service life in reeving systems with single layer drums

#### ISO 4309

**Rope Category No:** Up to 42mm RCN.09, 43-48mm RCN.11, > 48mm RCN.13

**Marking:** According to standard

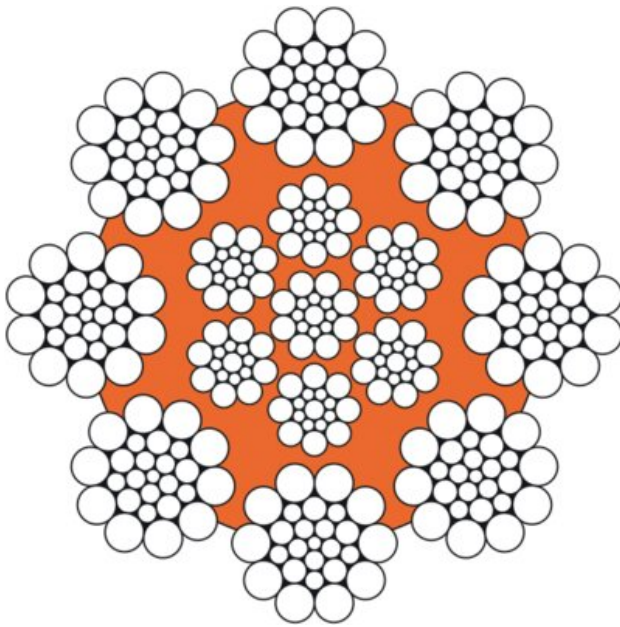
**Standard:** EN 12385-4

**Warning:** verostar 8 may not be used with a swivel.

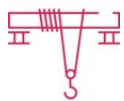
**Fill factor:** 0.61

**RCN:** 09

**Tolerance Ø:** +2% to +4%



Overhead cranes



Tower crane



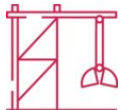
Container crane



Mobile port crane



Loading crane



Piling crane



Ladle crane



STS crane



Straddle carrier



RTG



| 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 | Delivery time |
|-----------------|-------------------|------------------------------------|------------|-----------|-------------------------|----------------------------|------------------|----------------|---------------|
| 103100805050469 | 8                 | 1,770                              | Bright     | sS        | 47.9                    | 31                         | SupplierStandard | 28             | 20            |
| 103100804050469 | 8                 | 1,770                              | Bright     | sZ        | 47.9                    | 31                         | SupplierStandard | 28             | 20            |
| 103100803050469 | 8                 | 1,770                              | Bright     | zS        | 47.9                    | 31                         | SupplierStandard | 28             | 20            |
| 103100806050469 | 8                 | 1,770                              | Bright     | zZ        | 47.9                    | 31                         | SupplierStandard | 28             | 20            |
| 103100805250469 | 8                 | 1,770                              | Galvanized | sS        | 47.9                    | 31                         | SupplierStandard | 28             | 20            |
| 103100804250469 | 8                 | 1,770                              | Galvanized | sZ        | 47.9                    | 31                         | SupplierStandard | 28             | 20            |
| 103100803250469 | 8                 | 1,770                              | Galvanized | zS        | 47.9                    | 31                         | SupplierStandard | 28             | 20            |
| 103100806250469 | 8                 | 1,770                              | Galvanized | zZ        | 47.9                    | 31                         | SupplierStandard | 28             | 20            |
| 103100805070469 | 8                 | 1,960                              | Bright     | sS        | 53                      | 31                         | SupplierStandard | 28             | 20            |
| 103100804070469 | 8                 | 1,960                              | Bright     | sZ        | 53                      | 31                         | SupplierStandard | 28             | 20            |
| 103100803070469 | 8                 | 1,960                              | Bright     | zS        | 53                      | 31                         | SupplierStandard | 28             | 20            |
| 103100806070469 | 8                 | 1,960                              | Bright     | zZ        | 53                      | 31                         | SupplierStandard | 28             | 20            |
| 103100805270469 | 8                 | 1,960                              | Galvanized | sS        | 53                      | 31                         | SupplierStandard | 28             | 20            |
| 103100804270469 | 8                 | 1,960                              | Galvanized | sZ        | 53                      | 31                         | SupplierStandard | 28             | 20            |
| 103100803270469 | 8                 | 1,960                              | Galvanized | zS        | 53                      | 31                         | SupplierStandard | 28             | 20            |
| 103100806270469 | 8                 | 1,960                              | Galvanized | zZ        | 53                      | 31                         | SupplierStandard | 28             | 20            |
| 103100905050469 | 9                 | 1,770                              | Bright     | sS        | 60.6                    | 39                         | SupplierStandard | 35             | 20            |
| 103100904050469 | 9                 | 1,770                              | Bright     | sZ        | 60.6                    | 39                         | SupplierStandard | 35             | 20            |

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|-----------------|----|-------|------------|----|------|----|------------------|----|----|
| 103100903050469 | 9  | 1,770 | Bright     | zS | 60.6 | 39 | SupplierStandard | 35 | 20 |
| 103100906050469 | 9  | 1,770 | Bright     | zZ | 60.6 | 39 | SupplierStandard | 35 | 20 |
| 103100905250469 | 9  | 1,770 | Galvanized | sS | 60.6 | 39 | SupplierStandard | 35 | 20 |
| 103100904250469 | 9  | 1,770 | Galvanized | sZ | 60.6 | 39 | SupplierStandard | 35 | 20 |
| 103100903250469 | 9  | 1,770 | Galvanized | zS | 60.6 | 39 | SupplierStandard | 35 | 20 |
| 103100906250469 | 9  | 1,770 | Galvanized | zZ | 60.6 | 39 | SupplierStandard | 35 | 20 |
| 103100905070469 | 9  | 1,960 | Bright     | sS | 67.1 | 39 | SupplierStandard | 35 | 20 |
| 103100904070469 | 9  | 1,960 | Bright     | sZ | 67.1 | 39 | SupplierStandard | 35 | 20 |
| 103100903070469 | 9  | 1,960 | Bright     | zS | 67.1 | 39 | SupplierStandard | 35 | 20 |
| 103100906070469 | 9  | 1,960 | Bright     | zZ | 67.1 | 39 | SupplierStandard | 35 | 20 |
| 103100905270469 | 9  | 1,960 | Galvanized | sS | 67.1 | 39 | SupplierStandard | 35 | 20 |
| 103100904270469 | 9  | 1,960 | Galvanized | sZ | 67.1 | 39 | SupplierStandard | 35 | 20 |
| 103100903270469 | 9  | 1,960 | Galvanized | zS | 67.1 | 39 | SupplierStandard | 35 | 20 |
| 103100906270469 | 9  | 1,960 | Galvanized | zZ | 67.1 | 39 | SupplierStandard | 35 | 20 |
| 103101005050469 | 10 | 1,770 | Bright     | sS | 74.8 | 48 | SupplierStandard | 43 | 20 |
| 103101004050469 | 10 | 1,770 | Bright     | sZ | 74.8 | 48 | SupplierStandard | 43 | 20 |
| 103101003050469 | 10 | 1,770 | Bright     | zS | 74.8 | 48 | SupplierStandard | 43 | 20 |
| 103101006050469 | 10 | 1,770 | Bright     | zZ | 74.8 | 48 | SupplierStandard | 43 | 20 |
| 103101005250469 | 10 | 1,770 | Galvanized | sS | 74.8 | 48 | SupplierStandard | 43 | 20 |
| 103101004250469 | 10 | 1,770 | Galvanized | sZ | 74.8 | 48 | SupplierStandard | 43 | 20 |
| 103101003250469 | 10 | 1,770 | Galvanized | zS | 74.8 | 48 | SupplierStandard | 43 | 20 |
| 103101006250469 | 10 | 1,770 | Galvanized | zZ | 74.8 | 48 | SupplierStandard | 43 | 20 |
| 103101005070469 | 10 | 1,960 | Bright     | sS | 82.8 | 48 | SupplierStandard | 43 | 20 |

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|-----------------|----|-------|------------|----|-------|----|------------------|----|----|
| 103101004070469 | 10 | 1,960 | Bright     | sZ | 82.8  | 48 | SupplierStandard | 43 | 20 |
| 103101003070469 | 10 | 1,960 | Bright     | zS | 82.8  | 48 | SupplierStandard | 43 | 20 |
| 103101006070469 | 10 | 1,960 | Bright     | zZ | 82.8  | 48 | SupplierStandard | 43 | 20 |
| 103101005270469 | 10 | 1,960 | Galvanized | sS | 82.8  | 48 | SupplierStandard | 43 | 20 |
| 103101004270469 | 10 | 1,960 | Galvanized | sZ | 82.8  | 48 | SupplierStandard | 43 | 20 |
| 103101003270469 | 10 | 1,960 | Galvanized | zS | 82.8  | 48 | SupplierStandard | 43 | 20 |
| 103101006270469 | 10 | 1,960 | Galvanized | zZ | 82.8  | 48 | SupplierStandard | 43 | 20 |
| 103101105050469 | 11 | 1,770 | Bright     | sS | 90.5  | 58 | SupplierStandard | 52 | 20 |
| 103101104050469 | 11 | 1,770 | Bright     | sZ | 90.5  | 58 | SupplierStandard | 52 | 20 |
| 103101103050469 | 11 | 1,770 | Bright     | zS | 90.5  | 58 | SupplierStandard | 52 | 20 |
| 103101106050469 | 11 | 1,770 | Bright     | zZ | 90.5  | 58 | SupplierStandard | 52 | 20 |
| 103101105250469 | 11 | 1,770 | Galvanized | sS | 90.5  | 58 | SupplierStandard | 52 | 20 |
| 103101104250469 | 11 | 1,770 | Galvanized | sZ | 90.5  | 58 | SupplierStandard | 52 | 20 |
| 103101103250469 | 11 | 1,770 | Galvanized | zS | 90.5  | 58 | SupplierStandard | 52 | 20 |
| 103101106250469 | 11 | 1,770 | Galvanized | zZ | 90.5  | 58 | SupplierStandard | 52 | 20 |
| 103101105070469 | 11 | 1,960 | Bright     | sS | 100.2 | 58 | SupplierStandard | 52 | 20 |
| 103101104070469 | 11 | 1,960 | Bright     | sZ | 100.2 | 58 | SupplierStandard | 52 | 20 |
| 103101103070469 | 11 | 1,960 | Bright     | zS | 100.2 | 58 | SupplierStandard | 52 | 20 |
| 103101106070469 | 11 | 1,960 | Bright     | zZ | 100.2 | 58 | SupplierStandard | 52 | 20 |
| 103101105270469 | 11 | 1,960 | Galvanized | sS | 100.2 | 58 | SupplierStandard | 52 | 20 |
| 103101104270469 | 11 | 1,960 | Galvanized | sZ | 100.2 | 58 | SupplierStandard | 52 | 20 |
| 103101103270469 | 11 | 1,960 | Galvanized | zS | 100.2 | 58 | SupplierStandard | 52 | 20 |
| 103101106270469 | 11 | 1,960 | Galvanized | zZ | 100.2 | 58 | SupplierStandard | 52 | 20 |

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|-----------------|----|-------|------------|----|-------|----|------------------|----|----|
| 103101205050469 | 12 | 1,770 | Bright     | sS | 107.7 | 69 | SupplierStandard | 62 | 20 |
| 103101204050469 | 12 | 1,770 | Bright     | sZ | 107.7 | 69 | SupplierStandard | 62 | 20 |
| 103101203050469 | 12 | 1,770 | Bright     | zS | 107.7 | 69 | SupplierStandard | 62 | 20 |
| 103101206050469 | 12 | 1,770 | Bright     | zZ | 107.7 | 69 | SupplierStandard | 62 | 20 |
| 103101205250469 | 12 | 1,770 | Galvanized | sS | 107.7 | 69 | SupplierStandard | 62 | 20 |
| 103101204250469 | 12 | 1,770 | Galvanized | sZ | 107.7 | 69 | SupplierStandard | 62 | 20 |
| 103101203250469 | 12 | 1,770 | Galvanized | zS | 107.7 | 69 | SupplierStandard | 62 | 20 |
| 103101206250469 | 12 | 1,770 | Galvanized | zZ | 107.7 | 69 | SupplierStandard | 62 | 20 |
| 103101205070469 | 12 | 1,960 | Bright     | sS | 119.3 | 69 | SupplierStandard | 62 | 20 |
| 103101204070469 | 12 | 1,960 | Bright     | sZ | 119.3 | 69 | SupplierStandard | 62 | 20 |
| 103101203070469 | 12 | 1,960 | Bright     | zS | 119.3 | 69 | SupplierStandard | 62 | 20 |
| 103101206070469 | 12 | 1,960 | Bright     | zZ | 119.3 | 69 | SupplierStandard | 62 | 20 |
| 103101205270469 | 12 | 1,960 | Galvanized | sS | 119.3 | 69 | SupplierStandard | 62 | 20 |
| 103101204270469 | 12 | 1,960 | Galvanized | sZ | 119.3 | 69 | SupplierStandard | 62 | 20 |
| 103101203270469 | 12 | 1,960 | Galvanized | zS | 119.3 | 69 | SupplierStandard | 62 | 20 |
| 103101206270469 | 12 | 1,960 | Galvanized | zZ | 119.3 | 69 | SupplierStandard | 62 | 20 |
| 103101305050469 | 13 | 1,770 | Bright     | sS | 126.4 | 81 | SupplierStandard | 73 | 20 |
| 103101304050469 | 13 | 1,770 | Bright     | sZ | 126.4 | 81 | SupplierStandard | 73 | 20 |
| 103101303050469 | 13 | 1,770 | Bright     | zS | 126.4 | 81 | SupplierStandard | 73 | 20 |
| 103101306050469 | 13 | 1,770 | Bright     | zZ | 126.4 | 81 | SupplierStandard | 73 | 20 |
| 103101305250469 | 13 | 1,770 | Galvanized | sS | 126.4 | 81 | SupplierStandard | 73 | 20 |
| 103101304250469 | 13 | 1,770 | Galvanized | sZ | 126.4 | 81 | SupplierStandard | 73 | 20 |
| 103101303250469 | 13 | 1,770 | Galvanized | zS | 126.4 | 81 | SupplierStandard | 73 | 20 |

|                 |    |       |            |    |       |    |                  |    |    |
|-----------------|----|-------|------------|----|-------|----|------------------|----|----|
| 103101306250469 | 13 | 1,770 | Galvanized | zZ | 126.4 | 81 | SupplierStandard | 73 | 20 |
| 103101305070469 | 13 | 1,960 | Bright     | sS | 140   | 81 | SupplierStandard | 73 | 20 |
| 103101304070469 | 13 | 1,960 | Bright     | sZ | 140   | 81 | SupplierStandard | 73 | 20 |
| 103101303070469 | 13 | 1,960 | Bright     | zS | 140   | 81 | SupplierStandard | 73 | 20 |
| 103101306070469 | 13 | 1,960 | Bright     | zZ | 140   | 81 | SupplierStandard | 73 | 20 |
| 103101305270469 | 13 | 1,960 | Galvanized | sS | 140   | 81 | SupplierStandard | 73 | 20 |
| 103101304270469 | 13 | 1,960 | Galvanized | sZ | 140   | 81 | SupplierStandard | 73 | 20 |
| 103101303270469 | 13 | 1,960 | Galvanized | zS | 140   | 81 | SupplierStandard | 73 | 20 |
| 103101306270469 | 13 | 1,960 | Galvanized | zZ | 140   | 81 | SupplierStandard | 73 | 20 |
| 103101405050469 | 14 | 1,770 | Bright     | sS | 146.6 | 94 | SupplierStandard | 85 | 20 |
| 103101404050469 | 14 | 1,770 | Bright     | sZ | 146.6 | 94 | SupplierStandard | 85 | 20 |
| 103101403050469 | 14 | 1,770 | Bright     | zS | 146.6 | 94 | SupplierStandard | 85 | 20 |
| 103101406050469 | 14 | 1,770 | Bright     | zZ | 146.6 | 94 | SupplierStandard | 85 | 20 |
| 103101405250469 | 14 | 1,770 | Galvanized | sS | 146.6 | 94 | SupplierStandard | 85 | 20 |
| 103101404250469 | 14 | 1,770 | Galvanized | sZ | 146.6 | 94 | SupplierStandard | 85 | 20 |
| 103101403250469 | 14 | 1,770 | Galvanized | zS | 146.6 | 94 | SupplierStandard | 85 | 20 |
| 103101406250469 | 14 | 1,770 | Galvanized | zZ | 146.6 | 94 | SupplierStandard | 85 | 20 |
| 103101405070469 | 14 | 1,960 | Bright     | sS | 162.3 | 94 | SupplierStandard | 85 | 20 |
| 103101404070469 | 14 | 1,960 | Bright     | sZ | 162.3 | 94 | SupplierStandard | 85 | 20 |
| 103101403070469 | 14 | 1,960 | Bright     | zS | 162.3 | 94 | SupplierStandard | 85 | 20 |
| 103101406070469 | 14 | 1,960 | Bright     | zZ | 162.3 | 94 | SupplierStandard | 85 | 20 |
| 103101405270469 | 14 | 1,960 | Galvanized | sS | 162.3 | 94 | SupplierStandard | 85 | 20 |
| 103101404270469 | 14 | 1,960 | Galvanized | sZ | 162.3 | 94 | SupplierStandard | 85 | 20 |

|                 |    |       |            |    |       |     |                  |     |    |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103101403270469 | 14 | 1,960 | Galvanized | zS | 162.3 | 94  | SupplierStandard | 85  | 20 |
| 103101406270469 | 14 | 1,960 | Galvanized | zZ | 162.3 | 94  | SupplierStandard | 85  | 20 |
| 103101505050469 | 15 | 1,770 | Bright     | sS | 168.3 | 108 | SupplierStandard | 97  | 20 |
| 103101504050469 | 15 | 1,770 | Bright     | sZ | 168.3 | 108 | SupplierStandard | 97  | 20 |
| 103101503050469 | 15 | 1,770 | Bright     | zS | 168.3 | 108 | SupplierStandard | 97  | 20 |
| 103101506050469 | 15 | 1,770 | Bright     | zZ | 168.3 | 108 | SupplierStandard | 97  | 20 |
| 103101505250469 | 15 | 1,770 | Galvanized | sS | 168.3 | 108 | SupplierStandard | 97  | 20 |
| 103101504250469 | 15 | 1,770 | Galvanized | sZ | 168.3 | 108 | SupplierStandard | 97  | 20 |
| 103101503250469 | 15 | 1,770 | Galvanized | zS | 168.3 | 108 | SupplierStandard | 97  | 20 |
| 103101506250469 | 15 | 1,770 | Galvanized | zZ | 168.3 | 108 | SupplierStandard | 97  | 20 |
| 103101505070469 | 15 | 1,960 | Bright     | sS | 186.3 | 108 | SupplierStandard | 97  | 20 |
| 103101504070469 | 15 | 1,960 | Bright     | sZ | 186.3 | 108 | SupplierStandard | 97  | 20 |
| 103101503070469 | 15 | 1,960 | Bright     | zS | 186.3 | 108 | SupplierStandard | 97  | 20 |
| 103101506070469 | 15 | 1,960 | Bright     | zZ | 186.3 | 108 | SupplierStandard | 97  | 20 |
| 103101505270469 | 15 | 1,960 | Galvanized | sS | 186.3 | 108 | SupplierStandard | 97  | 20 |
| 103101504270469 | 15 | 1,960 | Galvanized | sZ | 186.3 | 108 | SupplierStandard | 97  | 20 |
| 103101503270469 | 15 | 1,960 | Galvanized | zS | 186.3 | 108 | SupplierStandard | 97  | 20 |
| 103101506270469 | 15 | 1,960 | Galvanized | zZ | 186.3 | 108 | SupplierStandard | 97  | 20 |
| 103101605050469 | 16 | 1,770 | Bright     | sS | 191.5 | 123 | SupplierStandard | 110 | 20 |
| 103101604050469 | 16 | 1,770 | Bright     | sZ | 191.5 | 123 | SupplierStandard | 110 | 20 |
| 103101603050469 | 16 | 1,770 | Bright     | zS | 191.5 | 123 | SupplierStandard | 110 | 20 |
| 103101606050469 | 16 | 1,770 | Bright     | zZ | 191.5 | 123 | SupplierStandard | 110 | 20 |
| 103101605250469 | 16 | 1,770 | Galvanized | sS | 191.5 | 123 | SupplierStandard | 110 | 20 |

|                 |    |       |            |    |       |     |                  |     |    |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103101604250469 | 16 | 1,770 | Galvanized | sZ | 191.5 | 123 | SupplierStandard | 110 | 20 |
| 103101603250469 | 16 | 1,770 | Galvanized | zS | 191.5 | 123 | SupplierStandard | 110 | 20 |
| 103101606250469 | 16 | 1,770 | Galvanized | zZ | 191.5 | 123 | SupplierStandard | 110 | 20 |
| 103101605070469 | 16 | 1,960 | Bright     | sS | 212   | 123 | SupplierStandard | 110 | 20 |
| 103101604070469 | 16 | 1,960 | Bright     | sZ | 212   | 123 | SupplierStandard | 110 | 20 |
| 103101603070469 | 16 | 1,960 | Bright     | zS | 212   | 123 | SupplierStandard | 110 | 20 |
| 103101606070469 | 16 | 1,960 | Bright     | zZ | 212   | 123 | SupplierStandard | 110 | 20 |
| 103101605270469 | 16 | 1,960 | Galvanized | sS | 212   | 123 | SupplierStandard | 110 | 20 |
| 103101604270469 | 16 | 1,960 | Galvanized | sZ | 212   | 123 | SupplierStandard | 110 | 20 |
| 103101603270469 | 16 | 1,960 | Galvanized | zS | 212   | 123 | SupplierStandard | 110 | 20 |
| 103101606270469 | 16 | 1,960 | Galvanized | zZ | 212   | 123 | SupplierStandard | 110 | 20 |
| 103101705050469 | 17 | 1,770 | Bright     | sS | 216.2 | 138 | SupplierStandard | 125 | 20 |
| 103101704050469 | 17 | 1,770 | Bright     | sZ | 216.2 | 138 | SupplierStandard | 125 | 20 |
| 103101703050469 | 17 | 1,770 | Bright     | zS | 216.2 | 138 | SupplierStandard | 125 | 20 |
| 103101706050469 | 17 | 1,770 | Bright     | zZ | 216.2 | 138 | SupplierStandard | 125 | 20 |
| 103101705250469 | 17 | 1,770 | Galvanized | sS | 216.2 | 138 | SupplierStandard | 125 | 20 |
| 103101704250469 | 17 | 1,770 | Galvanized | sZ | 216.2 | 138 | SupplierStandard | 125 | 20 |
| 103101703250469 | 17 | 1,770 | Galvanized | zS | 216.2 | 138 | SupplierStandard | 125 | 20 |
| 103101706250469 | 17 | 1,770 | Galvanized | zZ | 216.2 | 138 | SupplierStandard | 125 | 20 |
| 103101705070469 | 17 | 1,960 | Bright     | sS | 239.4 | 138 | SupplierStandard | 125 | 20 |
| 103101704070469 | 17 | 1,960 | Bright     | sZ | 239.4 | 138 | SupplierStandard | 125 | 20 |
| 103101703070469 | 17 | 1,960 | Bright     | zS | 239.4 | 138 | SupplierStandard | 125 | 20 |
| 103101706070469 | 17 | 1,960 | Bright     | zZ | 239.4 | 138 | SupplierStandard | 125 | 20 |



|                 |    |       |            |    |       |     |                  |     |    |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103101705270469 | 17 | 1,960 | Galvanized | sS | 239.4 | 138 | SupplierStandard | 125 | 20 |
| 103101704270469 | 17 | 1,960 | Galvanized | sZ | 239.4 | 138 | SupplierStandard | 125 | 20 |
| 103101703270469 | 17 | 1,960 | Galvanized | zS | 239.4 | 138 | SupplierStandard | 125 | 20 |
| 103101706270469 | 17 | 1,960 | Galvanized | zZ | 239.4 | 138 | SupplierStandard | 125 | 20 |
| 103101805050469 | 18 | 1,770 | Bright     | sS | 242.3 | 155 | SupplierStandard | 140 | 20 |
| 103101804050469 | 18 | 1,770 | Bright     | sZ | 242.3 | 155 | SupplierStandard | 140 | 20 |
| 103101803050469 | 18 | 1,770 | Bright     | zS | 242.3 | 155 | SupplierStandard | 140 | 20 |
| 103101806050469 | 18 | 1,770 | Bright     | zZ | 242.3 | 155 | SupplierStandard | 140 | 20 |
| 103101805250469 | 18 | 1,770 | Galvanized | sS | 242.3 | 155 | SupplierStandard | 140 | 20 |
| 103101804250469 | 18 | 1,770 | Galvanized | sZ | 242.3 | 155 | SupplierStandard | 140 | 20 |
| 103101803250469 | 18 | 1,770 | Galvanized | zS | 242.3 | 155 | SupplierStandard | 140 | 20 |
| 103101806250469 | 18 | 1,770 | Galvanized | zZ | 242.3 | 155 | SupplierStandard | 140 | 20 |
| 103101805070469 | 18 | 1,960 | Bright     | sS | 268.3 | 155 | SupplierStandard | 140 | 20 |
| 103101804070469 | 18 | 1,960 | Bright     | sZ | 268.3 | 155 | SupplierStandard | 140 | 20 |
| 103101803070469 | 18 | 1,960 | Bright     | zS | 268.3 | 155 | SupplierStandard | 140 | 20 |
| 103101806070469 | 18 | 1,960 | Bright     | zZ | 268.3 | 155 | SupplierStandard | 140 | 20 |
| 103101805270469 | 18 | 1,960 | Galvanized | sS | 268.3 | 155 | SupplierStandard | 140 | 20 |
| 103101804270469 | 18 | 1,960 | Galvanized | sZ | 268.3 | 155 | SupplierStandard | 140 | 20 |
| 103101803270469 | 18 | 1,960 | Galvanized | zS | 268.3 | 155 | SupplierStandard | 140 | 20 |
| 103101806270469 | 18 | 1,960 | Galvanized | zZ | 268.3 | 155 | SupplierStandard | 140 | 20 |
| 103101905050469 | 19 | 1,770 | Bright     | sS | 270   | 173 | SupplierStandard | 156 | 20 |
| 103101904050469 | 19 | 1,770 | Bright     | sZ | 270   | 173 | SupplierStandard | 156 | 20 |
| 103101903050469 | 19 | 1,770 | Bright     | zS | 270   | 173 | SupplierStandard | 156 | 20 |

|                 |    |       |            |    |       |     |                  |     |    |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103101906050469 | 19 | 1,770 | Bright     | zZ | 270   | 173 | SupplierStandard | 156 | 20 |
| 103101905250469 | 19 | 1,770 | Galvanized | sS | 270   | 173 | SupplierStandard | 156 | 20 |
| 103101904250469 | 19 | 1,770 | Galvanized | sZ | 270   | 173 | SupplierStandard | 156 | 20 |
| 103101903250469 | 19 | 1,770 | Galvanized | zS | 270   | 173 | SupplierStandard | 156 | 20 |
| 103101906250469 | 19 | 1,770 | Galvanized | zZ | 270   | 173 | SupplierStandard | 156 | 20 |
| 103101905070469 | 19 | 1,960 | Bright     | sS | 299   | 173 | SupplierStandard | 156 | 20 |
| 103101904070469 | 19 | 1,960 | Bright     | sZ | 299   | 173 | SupplierStandard | 156 | 20 |
| 103101903070469 | 19 | 1,960 | Bright     | zS | 299   | 173 | SupplierStandard | 156 | 20 |
| 103101906070469 | 19 | 1,960 | Bright     | zZ | 299   | 173 | SupplierStandard | 156 | 20 |
| 103101905270469 | 19 | 1,960 | Galvanized | sS | 299   | 173 | SupplierStandard | 156 | 20 |
| 103101904270469 | 19 | 1,960 | Galvanized | sZ | 299   | 173 | SupplierStandard | 156 | 20 |
| 103101903270469 | 19 | 1,960 | Galvanized | zS | 299   | 173 | SupplierStandard | 156 | 20 |
| 103101906270469 | 19 | 1,960 | Galvanized | zZ | 299   | 173 | SupplierStandard | 156 | 20 |
| 103102005050469 | 20 | 1,770 | Bright     | sS | 299.2 | 192 | SupplierStandard | 173 | 20 |
| 103102004050469 | 20 | 1,770 | Bright     | sZ | 299.2 | 192 | SupplierStandard | 173 | 20 |
| 103102003050469 | 20 | 1,770 | Bright     | zS | 299.2 | 192 | SupplierStandard | 173 | 20 |
| 103102006050469 | 20 | 1,770 | Bright     | zZ | 299.2 | 192 | SupplierStandard | 173 | 20 |
| 103102005250469 | 20 | 1,770 | Galvanized | sS | 299.2 | 192 | SupplierStandard | 173 | 20 |
| 103102004250469 | 20 | 1,770 | Galvanized | sZ | 299.2 | 192 | SupplierStandard | 173 | 20 |
| 103102003250469 | 20 | 1,770 | Galvanized | zS | 299.2 | 192 | SupplierStandard | 173 | 20 |
| 103102006250469 | 20 | 1,770 | Galvanized | zZ | 299.2 | 192 | SupplierStandard | 173 | 20 |
| 103102005070469 | 20 | 1,960 | Bright     | sS | 331.3 | 192 | SupplierStandard | 173 | 20 |
| 103102004070469 | 20 | 1,960 | Bright     | sZ | 331.3 | 192 | SupplierStandard | 173 | 20 |

|                 |    |       |            |    |       |     |                  |     |    |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103102003070469 | 20 | 1,960 | Bright     | zS | 331.3 | 192 | SupplierStandard | 173 | 20 |
| 103102006070469 | 20 | 1,960 | Bright     | zZ | 331.3 | 192 | SupplierStandard | 173 | 20 |
| 103102005270469 | 20 | 1,960 | Galvanized | sS | 331.3 | 192 | SupplierStandard | 173 | 20 |
| 103102004270469 | 20 | 1,960 | Galvanized | sZ | 331.3 | 192 | SupplierStandard | 173 | 20 |
| 103102003270469 | 20 | 1,960 | Galvanized | zS | 331.3 | 192 | SupplierStandard | 173 | 20 |
| 103102006270469 | 20 | 1,960 | Galvanized | zZ | 331.3 | 192 | SupplierStandard | 173 | 20 |
| 103102105050469 | 21 | 1,770 | Bright     | sS | 329.8 | 211 | SupplierStandard | 190 | 20 |
| 103102104050469 | 21 | 1,770 | Bright     | sZ | 329.8 | 211 | SupplierStandard | 190 | 20 |
| 103102103050469 | 21 | 1,770 | Bright     | zS | 329.8 | 211 | SupplierStandard | 190 | 20 |
| 103102106050469 | 21 | 1,770 | Bright     | zZ | 329.8 | 211 | SupplierStandard | 190 | 20 |
| 103102105250469 | 21 | 1,770 | Galvanized | sS | 329.8 | 211 | SupplierStandard | 190 | 20 |
| 103102104250469 | 21 | 1,770 | Galvanized | sZ | 329.8 | 211 | SupplierStandard | 190 | 20 |
| 103102103250469 | 21 | 1,770 | Galvanized | zS | 329.8 | 211 | SupplierStandard | 190 | 20 |
| 103102106250469 | 21 | 1,770 | Galvanized | zZ | 329.8 | 211 | SupplierStandard | 190 | 20 |
| 103102105070469 | 21 | 1,960 | Bright     | sS | 365.2 | 211 | SupplierStandard | 190 | 20 |
| 103102104070469 | 21 | 1,960 | Bright     | sZ | 365.2 | 211 | SupplierStandard | 190 | 20 |
| 103102103070469 | 21 | 1,960 | Bright     | zS | 365.2 | 211 | SupplierStandard | 190 | 20 |
| 103102106070469 | 21 | 1,960 | Bright     | zZ | 365.2 | 211 | SupplierStandard | 190 | 20 |
| 103102105270469 | 21 | 1,960 | Galvanized | sS | 365.2 | 211 | SupplierStandard | 190 | 20 |
| 103102104270469 | 21 | 1,960 | Galvanized | sZ | 365.2 | 211 | SupplierStandard | 190 | 20 |
| 103102103270469 | 21 | 1,960 | Galvanized | zS | 365.2 | 211 | SupplierStandard | 190 | 20 |
| 103102106270469 | 21 | 1,960 | Galvanized | zZ | 365.2 | 211 | SupplierStandard | 190 | 20 |
| 103102205050469 | 22 | 1,770 | Bright     | sS | 362   | 232 | SupplierStandard | 209 | 20 |

|                 |    |       |            |    |       |     |                  |     |    |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103102204050469 | 22 | 1,770 | Bright     | sZ | 362   | 232 | SupplierStandard | 209 | 20 |
| 103102203050469 | 22 | 1,770 | Bright     | zS | 362   | 232 | SupplierStandard | 209 | 20 |
| 103102206050469 | 22 | 1,770 | Bright     | zZ | 362   | 232 | SupplierStandard | 209 | 20 |
| 103102205250469 | 22 | 1,770 | Galvanized | sS | 362   | 232 | SupplierStandard | 209 | 20 |
| 103102204250469 | 22 | 1,770 | Galvanized | sZ | 362   | 232 | SupplierStandard | 209 | 20 |
| 103102203250469 | 22 | 1,770 | Galvanized | zS | 362   | 232 | SupplierStandard | 209 | 20 |
| 103102206250469 | 22 | 1,770 | Galvanized | zZ | 362   | 232 | SupplierStandard | 209 | 20 |
| 103102205070469 | 22 | 1,960 | Bright     | sS | 400.9 | 232 | SupplierStandard | 209 | 20 |
| 103102204070469 | 22 | 1,960 | Bright     | sZ | 400.9 | 232 | SupplierStandard | 209 | 20 |
| 103102203070469 | 22 | 1,960 | Bright     | zS | 400.9 | 232 | SupplierStandard | 209 | 20 |
| 103102206070469 | 22 | 1,960 | Bright     | zZ | 400.9 | 232 | SupplierStandard | 209 | 20 |
| 103102205270469 | 22 | 1,960 | Galvanized | sS | 400.9 | 232 | SupplierStandard | 209 | 20 |
| 103102204270469 | 22 | 1,960 | Galvanized | sZ | 400.9 | 232 | SupplierStandard | 209 | 20 |
| 103102203270469 | 22 | 1,960 | Galvanized | zS | 400.9 | 232 | SupplierStandard | 209 | 20 |
| 103102206270469 | 22 | 1,960 | Galvanized | zZ | 400.9 | 232 | SupplierStandard | 209 | 20 |
| 103102305050469 | 23 | 1,770 | Bright     | sS | 395.7 | 253 | SupplierStandard | 228 | 20 |
| 103102304050469 | 23 | 1,770 | Bright     | sZ | 395.7 | 253 | SupplierStandard | 228 | 20 |
| 103102303050469 | 23 | 1,770 | Bright     | zS | 395.7 | 253 | SupplierStandard | 228 | 20 |
| 103102306050469 | 23 | 1,770 | Bright     | zZ | 395.7 | 253 | SupplierStandard | 228 | 20 |
| 103102305250469 | 23 | 1,770 | Galvanized | sS | 395.7 | 253 | SupplierStandard | 228 | 20 |
| 103102304250469 | 23 | 1,770 | Galvanized | sZ | 395.7 | 253 | SupplierStandard | 228 | 20 |
| 103102303250469 | 23 | 1,770 | Galvanized | zS | 395.7 | 253 | SupplierStandard | 228 | 20 |
| 103102306250469 | 23 | 1,770 | Galvanized | zZ | 395.7 | 253 | SupplierStandard | 228 | 20 |

|                 |    |       |            |    |       |     |                  |     |    |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103102305070469 | 23 | 1,960 | Bright     | sS | 438.1 | 253 | SupplierStandard | 228 | 20 |
| 103102304070469 | 23 | 1,960 | Bright     | sZ | 438.1 | 253 | SupplierStandard | 228 | 20 |
| 103102303070469 | 23 | 1,960 | Bright     | zS | 438.1 | 253 | SupplierStandard | 228 | 20 |
| 103102306070469 | 23 | 1,960 | Bright     | zZ | 438.1 | 253 | SupplierStandard | 228 | 20 |
| 103102305270469 | 23 | 1,960 | Galvanized | sS | 438.1 | 253 | SupplierStandard | 228 | 20 |
| 103102304270469 | 23 | 1,960 | Galvanized | sZ | 438.1 | 253 | SupplierStandard | 228 | 20 |
| 103102303270469 | 23 | 1,960 | Galvanized | zS | 438.1 | 253 | SupplierStandard | 228 | 20 |
| 103102306270469 | 23 | 1,960 | Galvanized | zZ | 438.1 | 253 | SupplierStandard | 228 | 20 |
| 103102405050469 | 24 | 1,770 | Bright     | sS | 430.8 | 276 | SupplierStandard | 248 | 20 |
| 103102404050469 | 24 | 1,770 | Bright     | sZ | 430.8 | 276 | SupplierStandard | 248 | 20 |
| 103102403050469 | 24 | 1,770 | Bright     | zS | 430.8 | 276 | SupplierStandard | 248 | 20 |
| 103102406050469 | 24 | 1,770 | Bright     | zZ | 430.8 | 276 | SupplierStandard | 248 | 20 |
| 103102405250469 | 24 | 1,770 | Galvanized | sS | 430.8 | 276 | SupplierStandard | 248 | 20 |
| 103102404250469 | 24 | 1,770 | Galvanized | sZ | 430.8 | 276 | SupplierStandard | 248 | 20 |
| 103102403250469 | 24 | 1,770 | Galvanized | zS | 430.8 | 276 | SupplierStandard | 248 | 20 |
| 103102406250469 | 24 | 1,770 | Galvanized | zZ | 430.8 | 276 | SupplierStandard | 248 | 20 |
| 103102405070469 | 24 | 1,960 | Bright     | sS | 477.1 | 276 | SupplierStandard | 248 | 20 |
| 103102404070469 | 24 | 1,960 | Bright     | sZ | 477.1 | 276 | SupplierStandard | 248 | 20 |
| 103102403070469 | 24 | 1,960 | Bright     | zS | 477.1 | 276 | SupplierStandard | 248 | 20 |
| 103102406070469 | 24 | 1,960 | Bright     | zZ | 477.1 | 276 | SupplierStandard | 248 | 20 |
| 103102405270469 | 24 | 1,960 | Galvanized | sS | 477.1 | 276 | SupplierStandard | 248 | 20 |
| 103102404270469 | 24 | 1,960 | Galvanized | sZ | 477.1 | 276 | SupplierStandard | 248 | 20 |
| 103102403270469 | 24 | 1,960 | Galvanized | zS | 477.1 | 276 | SupplierStandard | 248 | 20 |

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|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103102406270469 | 24 | 1,960 | Galvanized | zZ | 477.1 | 276 | SupplierStandard | 248 | 20 |
| 103102505050469 | 25 | 1,770 | Bright     | sS | 467.5 | 299 | SupplierStandard | 270 | 20 |
| 103102504050469 | 25 | 1,770 | Bright     | sZ | 467.5 | 299 | SupplierStandard | 270 | 20 |
| 103102503050469 | 25 | 1,770 | Bright     | zS | 467.5 | 299 | SupplierStandard | 270 | 20 |
| 103102506050469 | 25 | 1,770 | Bright     | zZ | 467.5 | 299 | SupplierStandard | 270 | 20 |
| 103102505250469 | 25 | 1,770 | Galvanized | sS | 467.5 | 299 | SupplierStandard | 270 | 20 |
| 103102504250469 | 25 | 1,770 | Galvanized | sZ | 467.5 | 299 | SupplierStandard | 270 | 20 |
| 103102503250469 | 25 | 1,770 | Galvanized | zS | 467.5 | 299 | SupplierStandard | 270 | 20 |
| 103102506250469 | 25 | 1,770 | Galvanized | zZ | 467.5 | 299 | SupplierStandard | 270 | 20 |
| 103102505070469 | 25 | 1,960 | Bright     | sS | 517.6 | 299 | SupplierStandard | 270 | 20 |
| 103102504070469 | 25 | 1,960 | Bright     | sZ | 517.6 | 299 | SupplierStandard | 270 | 20 |
| 103102503070469 | 25 | 1,960 | Bright     | zS | 517.6 | 299 | SupplierStandard | 270 | 20 |
| 103102506070469 | 25 | 1,960 | Bright     | zZ | 517.6 | 299 | SupplierStandard | 270 | 20 |
| 103102505270469 | 25 | 1,960 | Galvanized | sS | 517.6 | 299 | SupplierStandard | 270 | 20 |
| 103102504270469 | 25 | 1,960 | Galvanized | sZ | 517.6 | 299 | SupplierStandard | 270 | 20 |
| 103102503270469 | 25 | 1,960 | Galvanized | zS | 517.6 | 299 | SupplierStandard | 270 | 20 |
| 103102506270469 | 25 | 1,960 | Galvanized | zZ | 517.6 | 299 | SupplierStandard | 270 | 20 |
| 103102605050469 | 26 | 1,770 | Bright     | sS | 505.6 | 324 | SupplierStandard | 292 | 20 |
| 103102604050469 | 26 | 1,770 | Bright     | sZ | 505.6 | 324 | SupplierStandard | 292 | 20 |
| 103102603050469 | 26 | 1,770 | Bright     | zS | 505.6 | 324 | SupplierStandard | 292 | 20 |
| 103102606050469 | 26 | 1,770 | Bright     | zZ | 505.6 | 324 | SupplierStandard | 292 | 20 |
| 103102605250469 | 26 | 1,770 | Galvanized | sS | 505.6 | 324 | SupplierStandard | 292 | 20 |
| 103102604250469 | 26 | 1,770 | Galvanized | sZ | 505.6 | 324 | SupplierStandard | 292 | 20 |

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|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103102603250469 | 26 | 1,770 | Galvanized | zS | 505.6 | 324 | SupplierStandard | 292 | 20 |
| 103102606250469 | 26 | 1,770 | Galvanized | zZ | 505.6 | 324 | SupplierStandard | 292 | 20 |
| 103102605070469 | 26 | 1,960 | Bright     | sS | 559.9 | 324 | SupplierStandard | 292 | 20 |
| 103102604070469 | 26 | 1,960 | Bright     | sZ | 559.9 | 324 | SupplierStandard | 292 | 20 |
| 103102603070469 | 26 | 1,960 | Bright     | zS | 559.9 | 324 | SupplierStandard | 292 | 20 |
| 103102606070469 | 26 | 1,960 | Bright     | zZ | 559.9 | 324 | SupplierStandard | 292 | 20 |
| 103102605270469 | 26 | 1,960 | Galvanized | sS | 559.9 | 324 | SupplierStandard | 292 | 20 |
| 103102604270469 | 26 | 1,960 | Galvanized | sZ | 559.9 | 324 | SupplierStandard | 292 | 20 |
| 103102603270469 | 26 | 1,960 | Galvanized | zS | 559.9 | 324 | SupplierStandard | 292 | 20 |
| 103102606270469 | 26 | 1,960 | Galvanized | zZ | 559.9 | 324 | SupplierStandard | 292 | 20 |
| 103102705050469 | 27 | 1,770 | Bright     | sS | 545.2 | 349 | SupplierStandard | 314 | 20 |
| 103102704050469 | 27 | 1,770 | Bright     | sZ | 545.2 | 349 | SupplierStandard | 314 | 20 |
| 103102703050469 | 27 | 1,770 | Bright     | zS | 545.2 | 349 | SupplierStandard | 314 | 20 |
| 103102706050469 | 27 | 1,770 | Bright     | zZ | 545.2 | 349 | SupplierStandard | 314 | 20 |
| 103102705250469 | 27 | 1,770 | Galvanized | sS | 545.2 | 349 | SupplierStandard | 314 | 20 |
| 103102704250469 | 27 | 1,770 | Galvanized | sZ | 545.2 | 349 | SupplierStandard | 314 | 20 |
| 103102703250469 | 27 | 1,770 | Galvanized | zS | 545.2 | 349 | SupplierStandard | 314 | 20 |
| 103102706250469 | 27 | 1,770 | Galvanized | zZ | 545.2 | 349 | SupplierStandard | 314 | 20 |
| 103102705070469 | 27 | 1,960 | Bright     | sS | 603.8 | 349 | SupplierStandard | 314 | 20 |
| 103102704070469 | 27 | 1,960 | Bright     | sZ | 603.8 | 349 | SupplierStandard | 314 | 20 |
| 103102703070469 | 27 | 1,960 | Bright     | zS | 603.8 | 349 | SupplierStandard | 314 | 20 |
| 103102706070469 | 27 | 1,960 | Bright     | zZ | 603.8 | 349 | SupplierStandard | 314 | 20 |
| 103102705270469 | 27 | 1,960 | Galvanized | sS | 603.8 | 349 | SupplierStandard | 314 | 20 |

|                 |    |       |            |    |       |     |                  |     |    |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103102704270469 | 27 | 1,960 | Galvanized | sZ | 603.8 | 349 | SupplierStandard | 314 | 20 |
| 103102703270469 | 27 | 1,960 | Galvanized | zS | 603.8 | 349 | SupplierStandard | 314 | 20 |
| 103102706270469 | 27 | 1,960 | Galvanized | zZ | 603.8 | 349 | SupplierStandard | 314 | 20 |
| 103102805050469 | 28 | 1,770 | Bright     | sS | 586.4 | 376 | SupplierStandard | 338 | 20 |
| 103102804050469 | 28 | 1,770 | Bright     | sZ | 586.4 | 376 | SupplierStandard | 338 | 20 |
| 103102803050469 | 28 | 1,770 | Bright     | zS | 586.4 | 376 | SupplierStandard | 338 | 20 |
| 103102806050469 | 28 | 1,770 | Bright     | zZ | 586.4 | 376 | SupplierStandard | 338 | 20 |
| 103102805250469 | 28 | 1,770 | Galvanized | sS | 586.4 | 376 | SupplierStandard | 338 | 20 |
| 103102804250469 | 28 | 1,770 | Galvanized | sZ | 586.4 | 376 | SupplierStandard | 338 | 20 |
| 103102803250469 | 28 | 1,770 | Galvanized | zS | 586.4 | 376 | SupplierStandard | 338 | 20 |
| 103102806250469 | 28 | 1,770 | Galvanized | zZ | 586.4 | 376 | SupplierStandard | 338 | 20 |
| 103102805070469 | 28 | 1,960 | Bright     | sS | 649.3 | 376 | SupplierStandard | 338 | 20 |
| 103102804070469 | 28 | 1,960 | Bright     | sZ | 649.3 | 376 | SupplierStandard | 338 | 20 |
| 103102803070469 | 28 | 1,960 | Bright     | zS | 649.3 | 376 | SupplierStandard | 338 | 20 |
| 103102806070469 | 28 | 1,960 | Bright     | zZ | 649.3 | 376 | SupplierStandard | 338 | 20 |
| 103102805270469 | 28 | 1,960 | Galvanized | sS | 649.3 | 376 | SupplierStandard | 338 | 20 |
| 103102804270469 | 28 | 1,960 | Galvanized | sZ | 649.3 | 376 | SupplierStandard | 338 | 20 |
| 103102803270469 | 28 | 1,960 | Galvanized | zS | 649.3 | 376 | SupplierStandard | 338 | 20 |
| 103102806270469 | 28 | 1,960 | Galvanized | zZ | 649.3 | 376 | SupplierStandard | 338 | 20 |
| 103102905050469 | 29 | 1,770 | Bright     | sS | 629   | 403 | SupplierStandard | 363 | 20 |
| 103102904050469 | 29 | 1,770 | Bright     | sZ | 629   | 403 | SupplierStandard | 363 | 20 |
| 103102903050469 | 29 | 1,770 | Bright     | zS | 629   | 403 | SupplierStandard | 363 | 20 |
| 103102906050469 | 29 | 1,770 | Bright     | zZ | 629   | 403 | SupplierStandard | 363 | 20 |



|                 |    |       |            |    |       |     |                  |     |    |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103102905250469 | 29 | 1,770 | Galvanized | sS | 629   | 403 | SupplierStandard | 363 | 20 |
| 103102904250469 | 29 | 1,770 | Galvanized | sZ | 629   | 403 | SupplierStandard | 363 | 20 |
| 103102903250469 | 29 | 1,770 | Galvanized | zS | 629   | 403 | SupplierStandard | 363 | 20 |
| 103102906250469 | 29 | 1,770 | Galvanized | zZ | 629   | 403 | SupplierStandard | 363 | 20 |
| 103102905070469 | 29 | 1,960 | Bright     | sS | 696.5 | 403 | SupplierStandard | 363 | 20 |
| 103102904070469 | 29 | 1,960 | Bright     | sZ | 696.5 | 403 | SupplierStandard | 363 | 20 |
| 103102903070469 | 29 | 1,960 | Bright     | zS | 696.5 | 403 | SupplierStandard | 363 | 20 |
| 103102906070469 | 29 | 1,960 | Bright     | zZ | 696.5 | 403 | SupplierStandard | 363 | 20 |
| 103102905270469 | 29 | 1,960 | Galvanized | sS | 696.5 | 403 | SupplierStandard | 363 | 20 |
| 103102904270469 | 29 | 1,960 | Galvanized | sZ | 696.5 | 403 | SupplierStandard | 363 | 20 |
| 103102903270469 | 29 | 1,960 | Galvanized | zS | 696.5 | 403 | SupplierStandard | 363 | 20 |
| 103102906270469 | 29 | 1,960 | Galvanized | zZ | 696.5 | 403 | SupplierStandard | 363 | 20 |
| 103103005050469 | 30 | 1,770 | Bright     | sS | 673.1 | 431 | SupplierStandard | 388 | 20 |
| 103103004050469 | 30 | 1,770 | Bright     | sZ | 673.1 | 431 | SupplierStandard | 388 | 20 |
| 103103003050469 | 30 | 1,770 | Bright     | zS | 673.1 | 431 | SupplierStandard | 388 | 20 |
| 103103006050469 | 30 | 1,770 | Bright     | zZ | 673.1 | 431 | SupplierStandard | 388 | 20 |
| 103103005250469 | 30 | 1,770 | Galvanized | sS | 673.1 | 431 | SupplierStandard | 388 | 20 |
| 103103004250469 | 30 | 1,770 | Galvanized | sZ | 673.1 | 431 | SupplierStandard | 388 | 20 |
| 103103003250469 | 30 | 1,770 | Galvanized | zS | 673.1 | 431 | SupplierStandard | 388 | 20 |
| 103103006250469 | 30 | 1,770 | Galvanized | zZ | 673.1 | 431 | SupplierStandard | 388 | 20 |
| 103103005070469 | 30 | 1,960 | Bright     | sS | 745.4 | 431 | SupplierStandard | 388 | 20 |
| 103103004070469 | 30 | 1,960 | Bright     | sZ | 745.4 | 431 | SupplierStandard | 388 | 20 |
| 103103003070469 | 30 | 1,960 | Bright     | zS | 745.4 | 431 | SupplierStandard | 388 | 20 |

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|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103103006070469 | 30 | 1,960 | Bright     | zZ | 745.4 | 431 | SupplierStandard | 388 | 20 |
| 103103005270469 | 30 | 1,960 | Galvanized | sS | 745.4 | 431 | SupplierStandard | 388 | 20 |
| 103103004270469 | 30 | 1,960 | Galvanized | sZ | 745.4 | 431 | SupplierStandard | 388 | 20 |
| 103103003270469 | 30 | 1,960 | Galvanized | zS | 745.4 | 431 | SupplierStandard | 388 | 20 |
| 103103006270469 | 30 | 1,960 | Galvanized | zZ | 745.4 | 431 | SupplierStandard | 388 | 20 |
| 103103105050469 | 31 | 1,770 | Bright     | sS | 718.8 | 460 | SupplierStandard | 414 | 20 |
| 103103104050469 | 31 | 1,770 | Bright     | sZ | 718.8 | 460 | SupplierStandard | 414 | 20 |
| 103103103050469 | 31 | 1,770 | Bright     | zS | 718.8 | 460 | SupplierStandard | 414 | 20 |
| 103103106050469 | 31 | 1,770 | Bright     | zZ | 718.8 | 460 | SupplierStandard | 414 | 20 |
| 103103105250469 | 31 | 1,770 | Galvanized | sS | 718.8 | 460 | SupplierStandard | 414 | 20 |
| 103103104250469 | 31 | 1,770 | Galvanized | sZ | 718.8 | 460 | SupplierStandard | 414 | 20 |
| 103103103250469 | 31 | 1,770 | Galvanized | zS | 718.8 | 460 | SupplierStandard | 414 | 20 |
| 103103106250469 | 31 | 1,770 | Galvanized | zZ | 718.8 | 460 | SupplierStandard | 414 | 20 |
| 103103105070469 | 31 | 1,960 | Bright     | sS | 795.9 | 460 | SupplierStandard | 414 | 20 |
| 103103104070469 | 31 | 1,960 | Bright     | sZ | 795.9 | 460 | SupplierStandard | 414 | 20 |
| 103103103070469 | 31 | 1,960 | Bright     | zS | 795.9 | 460 | SupplierStandard | 414 | 20 |
| 103103106070469 | 31 | 1,960 | Bright     | zZ | 795.9 | 460 | SupplierStandard | 414 | 20 |
| 103103105270469 | 31 | 1,960 | Galvanized | sS | 795.9 | 460 | SupplierStandard | 414 | 20 |
| 103103104270469 | 31 | 1,960 | Galvanized | sZ | 795.9 | 460 | SupplierStandard | 414 | 20 |
| 103103103270469 | 31 | 1,960 | Galvanized | zS | 795.9 | 460 | SupplierStandard | 414 | 20 |
| 103103106270469 | 31 | 1,960 | Galvanized | zZ | 795.9 | 460 | SupplierStandard | 414 | 20 |
| 103103205050469 | 32 | 1,770 | Bright     | sS | 765.9 | 491 | SupplierStandard | 442 | 20 |
| 103103204050469 | 32 | 1,770 | Bright     | sZ | 765.9 | 491 | SupplierStandard | 442 | 20 |

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|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103103203050469 | 32 | 1,770 | Bright     | zS | 765.9 | 491 | SupplierStandard | 442 | 20 |
| 103103206050469 | 32 | 1,770 | Bright     | zZ | 765.9 | 491 | SupplierStandard | 442 | 20 |
| 103103205250469 | 32 | 1,770 | Galvanized | sS | 765.9 | 491 | SupplierStandard | 442 | 20 |
| 103103204250469 | 32 | 1,770 | Galvanized | sZ | 765.9 | 491 | SupplierStandard | 442 | 20 |
| 103103203250469 | 32 | 1,770 | Galvanized | zS | 765.9 | 491 | SupplierStandard | 442 | 20 |
| 103103206250469 | 32 | 1,770 | Galvanized | zZ | 765.9 | 491 | SupplierStandard | 442 | 20 |
| 103103205070469 | 32 | 1,960 | Bright     | sS | 848.1 | 491 | SupplierStandard | 442 | 20 |
| 103103204070469 | 32 | 1,960 | Bright     | sZ | 848.1 | 491 | SupplierStandard | 442 | 20 |
| 103103203070469 | 32 | 1,960 | Bright     | zS | 848.1 | 491 | SupplierStandard | 442 | 20 |
| 103103206070469 | 32 | 1,960 | Bright     | zZ | 848.1 | 491 | SupplierStandard | 442 | 20 |
| 103103205270469 | 32 | 1,960 | Galvanized | sS | 848.1 | 491 | SupplierStandard | 442 | 20 |
| 103103204270469 | 32 | 1,960 | Galvanized | sZ | 848.1 | 491 | SupplierStandard | 442 | 20 |
| 103103203270469 | 32 | 1,960 | Galvanized | zS | 848.1 | 491 | SupplierStandard | 442 | 20 |
| 103103206270469 | 32 | 1,960 | Galvanized | zZ | 848.1 | 491 | SupplierStandard | 442 | 20 |
| 103103305050469 | 33 | 1,770 | Bright     | sS | 814.5 | 522 | SupplierStandard | 470 | 20 |
| 103103304050469 | 33 | 1,770 | Bright     | sZ | 814.5 | 522 | SupplierStandard | 470 | 20 |
| 103103303050469 | 33 | 1,770 | Bright     | zS | 814.5 | 522 | SupplierStandard | 470 | 20 |
| 103103306050469 | 33 | 1,770 | Bright     | zZ | 814.5 | 522 | SupplierStandard | 470 | 20 |
| 103103305250469 | 33 | 1,770 | Galvanized | sS | 814.5 | 522 | SupplierStandard | 470 | 20 |
| 103103304250469 | 33 | 1,770 | Galvanized | sZ | 814.5 | 522 | SupplierStandard | 470 | 20 |
| 103103303250469 | 33 | 1,770 | Galvanized | zS | 814.5 | 522 | SupplierStandard | 470 | 20 |
| 103103306250469 | 33 | 1,770 | Galvanized | zZ | 814.5 | 522 | SupplierStandard | 470 | 20 |
| 103103305070469 | 33 | 1,960 | Bright     | sS | 901.9 | 522 | SupplierStandard | 470 | 20 |

|                 |    |       |            |    |       |     |                  |     |    |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103103304070469 | 33 | 1,960 | Bright     | sZ | 901.9 | 522 | SupplierStandard | 470 | 20 |
| 103103303070469 | 33 | 1,960 | Bright     | zS | 901.9 | 522 | SupplierStandard | 470 | 20 |
| 103103306070469 | 33 | 1,960 | Bright     | zZ | 901.9 | 522 | SupplierStandard | 470 | 20 |
| 103103305270469 | 33 | 1,960 | Galvanized | sS | 901.9 | 522 | SupplierStandard | 470 | 20 |
| 103103304270469 | 33 | 1,960 | Galvanized | sZ | 901.9 | 522 | SupplierStandard | 470 | 20 |
| 103103303270469 | 33 | 1,960 | Galvanized | zS | 901.9 | 522 | SupplierStandard | 470 | 20 |
| 103103306270469 | 33 | 1,960 | Galvanized | zZ | 901.9 | 522 | SupplierStandard | 470 | 20 |
| 103103405050469 | 34 | 1,770 | Bright     | sS | 864.6 | 554 | SupplierStandard | 498 | 20 |
| 103103404050469 | 34 | 1,770 | Bright     | sZ | 864.6 | 554 | SupplierStandard | 498 | 20 |
| 103103403050469 | 34 | 1,770 | Bright     | zS | 864.6 | 554 | SupplierStandard | 498 | 20 |
| 103103406050469 | 34 | 1,770 | Bright     | zZ | 864.6 | 554 | SupplierStandard | 498 | 20 |
| 103103405250469 | 34 | 1,770 | Galvanized | sS | 864.6 | 554 | SupplierStandard | 498 | 20 |
| 103103404250469 | 34 | 1,770 | Galvanized | sZ | 864.6 | 554 | SupplierStandard | 498 | 20 |
| 103103403250469 | 34 | 1,770 | Galvanized | zS | 864.6 | 554 | SupplierStandard | 498 | 20 |
| 103103406250469 | 34 | 1,770 | Galvanized | zZ | 864.6 | 554 | SupplierStandard | 498 | 20 |
| 103103405070469 | 34 | 1,960 | Bright     | sS | 957.4 | 554 | SupplierStandard | 498 | 20 |
| 103103404070469 | 34 | 1,960 | Bright     | sZ | 957.4 | 554 | SupplierStandard | 498 | 20 |
| 103103403070469 | 34 | 1,960 | Bright     | zS | 957.4 | 554 | SupplierStandard | 498 | 20 |
| 103103406070469 | 34 | 1,960 | Bright     | zZ | 957.4 | 554 | SupplierStandard | 498 | 20 |
| 103103405270469 | 34 | 1,960 | Galvanized | sS | 957.4 | 554 | SupplierStandard | 498 | 20 |
| 103103404270469 | 34 | 1,960 | Galvanized | sZ | 957.4 | 554 | SupplierStandard | 498 | 20 |
| 103103403270469 | 34 | 1,960 | Galvanized | zS | 957.4 | 554 | SupplierStandard | 498 | 20 |
| 103103406270469 | 34 | 1,960 | Galvanized | zZ | 957.4 | 554 | SupplierStandard | 498 | 20 |

|                 |    |       |            |    |       |     |                  |     |    |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103103505050469 | 35 | 1,770 | Bright     | sS | 916.2 | 587 | SupplierStandard | 528 | 20 |
| 103103504050469 | 35 | 1,770 | Bright     | sZ | 916.2 | 587 | SupplierStandard | 528 | 20 |
| 103103503050469 | 35 | 1,770 | Bright     | zS | 916.2 | 587 | SupplierStandard | 528 | 20 |
| 103103506050469 | 35 | 1,770 | Bright     | zZ | 916.2 | 587 | SupplierStandard | 528 | 20 |
| 103103505250469 | 35 | 1,770 | Galvanized | sS | 916.2 | 587 | SupplierStandard | 528 | 20 |
| 103103504250469 | 35 | 1,770 | Galvanized | sZ | 916.2 | 587 | SupplierStandard | 528 | 20 |
| 103103503250469 | 35 | 1,770 | Galvanized | zS | 916.2 | 587 | SupplierStandard | 528 | 20 |
| 103103506250469 | 35 | 1,770 | Galvanized | zZ | 916.2 | 587 | SupplierStandard | 528 | 20 |
| 103103505070469 | 35 | 1,960 | Bright     | sS | 1,015 | 587 | SupplierStandard | 528 | 20 |
| 103103504070469 | 35 | 1,960 | Bright     | sZ | 1,015 | 587 | SupplierStandard | 528 | 20 |
| 103103503070469 | 35 | 1,960 | Bright     | zS | 1,015 | 587 | SupplierStandard | 528 | 20 |
| 103103506070469 | 35 | 1,960 | Bright     | zZ | 1,015 | 587 | SupplierStandard | 528 | 20 |
| 103103505270469 | 35 | 1,960 | Galvanized | sS | 1,015 | 587 | SupplierStandard | 528 | 20 |
| 103103504270469 | 35 | 1,960 | Galvanized | sZ | 1,015 | 587 | SupplierStandard | 528 | 20 |
| 103103503270469 | 35 | 1,960 | Galvanized | zS | 1,015 | 587 | SupplierStandard | 528 | 20 |
| 103103506270469 | 35 | 1,960 | Galvanized | zZ | 1,015 | 587 | SupplierStandard | 528 | 20 |
| 103103605050469 | 36 | 1,770 | Bright     | sS | 969.3 | 621 | SupplierStandard | 559 | 20 |
| 103103604050469 | 36 | 1,770 | Bright     | sZ | 969.3 | 621 | SupplierStandard | 559 | 20 |
| 103103603050469 | 36 | 1,770 | Bright     | zS | 969.3 | 621 | SupplierStandard | 559 | 20 |
| 103103606050469 | 36 | 1,770 | Bright     | zZ | 969.3 | 621 | SupplierStandard | 559 | 20 |
| 103103605250469 | 36 | 1,770 | Galvanized | sS | 969.3 | 621 | SupplierStandard | 559 | 20 |
| 103103604250469 | 36 | 1,770 | Galvanized | sZ | 969.3 | 621 | SupplierStandard | 559 | 20 |
| 103103603250469 | 36 | 1,770 | Galvanized | zS | 969.3 | 621 | SupplierStandard | 559 | 20 |

|                 |    |       |            |    |       |     |                  |     |    |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103103606250469 | 36 | 1,770 | Galvanized | zZ | 969.3 | 621 | SupplierStandard | 559 | 20 |
| 103103605070469 | 36 | 1,960 | Bright     | sS | 1,073 | 621 | SupplierStandard | 559 | 20 |
| 103103604070469 | 36 | 1,960 | Bright     | sZ | 1,073 | 621 | SupplierStandard | 559 | 20 |
| 103103603070469 | 36 | 1,960 | Bright     | zS | 1,073 | 621 | SupplierStandard | 559 | 20 |
| 103103606070469 | 36 | 1,960 | Bright     | zZ | 1,073 | 621 | SupplierStandard | 559 | 20 |
| 103103605270469 | 36 | 1,960 | Galvanized | sS | 1,073 | 621 | SupplierStandard | 559 | 20 |
| 103103604270469 | 36 | 1,960 | Galvanized | sZ | 1,073 | 621 | SupplierStandard | 559 | 20 |
| 103103603270469 | 36 | 1,960 | Galvanized | zS | 1,073 | 621 | SupplierStandard | 559 | 20 |
| 103103606270469 | 36 | 1,960 | Galvanized | zZ | 1,073 | 621 | SupplierStandard | 559 | 20 |
| 103103804250469 | 38 | 1,770 | Galvanized | sZ | 1.08  | 692 | SupplierStandard | 623 | 20 |
| 103103805050469 | 38 | 1,770 | Bright     | sS | 1,080 | 692 | SupplierStandard | 623 | 20 |
| 103103804050469 | 38 | 1,770 | Bright     | sZ | 1,080 | 692 | SupplierStandard | 623 | 20 |
| 103103803050469 | 38 | 1,770 | Bright     | zS | 1,080 | 692 | SupplierStandard | 623 | 20 |
| 103103806050469 | 38 | 1,770 | Bright     | zZ | 1,080 | 692 | SupplierStandard | 623 | 20 |
| 103103805250469 | 38 | 1,770 | Galvanized | sS | 1,080 | 692 | SupplierStandard | 623 | 20 |
| 103103803250469 | 38 | 1,770 | Galvanized | zS | 1,080 | 692 | SupplierStandard | 623 | 20 |
| 103103806250469 | 38 | 1,770 | Galvanized | zZ | 1,080 | 692 | SupplierStandard | 623 | 20 |
| 103103805070469 | 38 | 1,960 | Bright     | sS | 1,196 | 692 | SupplierStandard | 623 | 20 |
| 103103804070469 | 38 | 1,960 | Bright     | sZ | 1,196 | 692 | SupplierStandard | 623 | 20 |
| 103103803070469 | 38 | 1,960 | Bright     | zS | 1,196 | 692 | SupplierStandard | 623 | 20 |
| 103103806070469 | 38 | 1,960 | Bright     | zZ | 1,196 | 692 | SupplierStandard | 623 | 20 |
| 103103805270469 | 38 | 1,960 | Galvanized | sS | 1,196 | 692 | SupplierStandard | 623 | 20 |
| 103103804270469 | 38 | 1,960 | Galvanized | sZ | 1,196 | 692 | SupplierStandard | 623 | 20 |

|                 |    |       |            |    |       |     |                  |     |    |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103103803270469 | 38 | 1,960 | Galvanized | zS | 1,196 | 692 | SupplierStandard | 623 | 20 |
| 103103806270469 | 38 | 1,960 | Galvanized | zZ | 1,196 | 692 | SupplierStandard | 623 | 20 |
| 103104005050469 | 40 | 1,770 | Bright     | sS | 1,197 | 767 | SupplierStandard | 690 | 20 |
| 103104004050469 | 40 | 1,770 | Bright     | sZ | 1,197 | 767 | SupplierStandard | 690 | 20 |
| 103104003050469 | 40 | 1,770 | Bright     | zS | 1,197 | 767 | SupplierStandard | 690 | 20 |
| 103104006050469 | 40 | 1,770 | Bright     | zZ | 1,197 | 767 | SupplierStandard | 690 | 20 |
| 103104005250469 | 40 | 1,770 | Galvanized | sS | 1,197 | 767 | SupplierStandard | 690 | 20 |
| 103104004250469 | 40 | 1,770 | Galvanized | sZ | 1,197 | 767 | SupplierStandard | 690 | 20 |
| 103104003250469 | 40 | 1,770 | Galvanized | zS | 1,197 | 767 | SupplierStandard | 690 | 20 |
| 103104006250469 | 40 | 1,770 | Galvanized | zZ | 1,197 | 767 | SupplierStandard | 690 | 20 |
| 103104005070469 | 40 | 1,960 | Bright     | sS | 1,325 | 767 | SupplierStandard | 690 | 20 |
| 103104004070469 | 40 | 1,960 | Bright     | sZ | 1,325 | 767 | SupplierStandard | 690 | 20 |
| 103104003070469 | 40 | 1,960 | Bright     | zS | 1,325 | 767 | SupplierStandard | 690 | 20 |
| 103104006070469 | 40 | 1,960 | Bright     | zZ | 1,325 | 767 | SupplierStandard | 690 | 20 |
| 103104005270469 | 40 | 1,960 | Galvanized | sS | 1,325 | 767 | SupplierStandard | 690 | 20 |
| 103104004270469 | 40 | 1,960 | Galvanized | sZ | 1,325 | 767 | SupplierStandard | 690 | 20 |
| 103104003270469 | 40 | 1,960 | Galvanized | zS | 1,325 | 767 | SupplierStandard | 690 | 20 |
| 103104006270469 | 40 | 1,960 | Galvanized | zZ | 1,325 | 767 | SupplierStandard | 690 | 20 |
| 103104205050469 | 42 | 1,770 | Bright     | sS | 1,319 | 845 | SupplierStandard | 761 | 20 |
| 103104204050469 | 42 | 1,770 | Bright     | sZ | 1,319 | 845 | SupplierStandard | 761 | 20 |
| 103104203050469 | 42 | 1,770 | Bright     | zS | 1,319 | 845 | SupplierStandard | 761 | 20 |
| 103104206050469 | 42 | 1,770 | Bright     | zZ | 1,319 | 845 | SupplierStandard | 761 | 20 |
| 103104205250469 | 42 | 1,770 | Galvanized | sS | 1,319 | 845 | SupplierStandard | 761 | 20 |

|                 |    |       |            |    |       |     |                  |     |    |
|-----------------|----|-------|------------|----|-------|-----|------------------|-----|----|
| 103104204250469 | 42 | 1,770 | Galvanized | sZ | 1,319 | 845 | SupplierStandard | 761 | 20 |
| 103104203250469 | 42 | 1,770 | Galvanized | zS | 1,319 | 845 | SupplierStandard | 761 | 20 |
| 103104206250469 | 42 | 1,770 | Galvanized | zZ | 1,319 | 845 | SupplierStandard | 761 | 20 |
| 103104205070469 | 42 | 1,960 | Bright     | sS | 1,461 | 845 | SupplierStandard | 761 | 20 |
| 103104204070469 | 42 | 1,960 | Bright     | sZ | 1,461 | 845 | SupplierStandard | 761 | 20 |
| 103104203070469 | 42 | 1,960 | Bright     | zS | 1,461 | 845 | SupplierStandard | 761 | 20 |
| 103104206070469 | 42 | 1,960 | Bright     | zZ | 1,461 | 845 | SupplierStandard | 761 | 20 |
| 103104205270469 | 42 | 1,960 | Galvanized | sS | 1,461 | 845 | SupplierStandard | 761 | 20 |
| 103104204270469 | 42 | 1,960 | Galvanized | sZ | 1,461 | 845 | SupplierStandard | 761 | 20 |
| 103104203270469 | 42 | 1,960 | Galvanized | zS | 1,461 | 845 | SupplierStandard | 761 | 20 |
| 103104206270469 | 42 | 1,960 | Galvanized | zZ | 1,461 | 845 | SupplierStandard | 761 | 20 |
| 103104405050469 | 44 | 1,770 | Bright     | sS | 1,448 | 928 | SupplierStandard | 835 | 20 |
| 103104404050469 | 44 | 1,770 | Bright     | sZ | 1,448 | 928 | SupplierStandard | 835 | 20 |
| 103104403050469 | 44 | 1,770 | Bright     | zS | 1,448 | 928 | SupplierStandard | 835 | 20 |
| 103104406050469 | 44 | 1,770 | Bright     | zZ | 1,448 | 928 | SupplierStandard | 835 | 20 |
| 103104405250469 | 44 | 1,770 | Galvanized | sS | 1,448 | 928 | SupplierStandard | 835 | 20 |
| 103104404250469 | 44 | 1,770 | Galvanized | sZ | 1,448 | 928 | SupplierStandard | 835 | 20 |
| 103104403250469 | 44 | 1,770 | Galvanized | zS | 1,448 | 928 | SupplierStandard | 835 | 20 |
| 103104406250469 | 44 | 1,770 | Galvanized | zZ | 1,448 | 928 | SupplierStandard | 835 | 20 |
| 103104405070469 | 44 | 1,960 | Bright     | sS | 1,603 | 928 | SupplierStandard | 835 | 20 |
| 103104404070469 | 44 | 1,960 | Bright     | sZ | 1,603 | 928 | SupplierStandard | 835 | 20 |
| 103104403070469 | 44 | 1,960 | Bright     | zS | 1,603 | 928 | SupplierStandard | 835 | 20 |
| 103104406070469 | 44 | 1,960 | Bright     | zZ | 1,603 | 928 | SupplierStandard | 835 | 20 |



|                 |    |       |            |    |       |       |                  |     |    |
|-----------------|----|-------|------------|----|-------|-------|------------------|-----|----|
| 103104405270469 | 44 | 1,960 | Galvanized | sS | 1,603 | 928   | SupplierStandard | 835 | 20 |
| 103104404270469 | 44 | 1,960 | Galvanized | sZ | 1,603 | 928   | SupplierStandard | 835 | 20 |
| 103104403270469 | 44 | 1,960 | Galvanized | zS | 1,603 | 928   | SupplierStandard | 835 | 20 |
| 103104406270469 | 44 | 1,960 | Galvanized | zZ | 1,603 | 928   | SupplierStandard | 835 | 20 |
| 103104505050469 | 45 | 1,770 | Bright     | sS | 1,515 | 970   | SupplierStandard | 873 | 20 |
| 103104504050469 | 45 | 1,770 | Bright     | sZ | 1,515 | 970   | SupplierStandard | 873 | 20 |
| 103104503050469 | 45 | 1,770 | Bright     | zS | 1,515 | 970   | SupplierStandard | 873 | 20 |
| 103104506050469 | 45 | 1,770 | Bright     | zZ | 1,515 | 970   | SupplierStandard | 873 | 20 |
| 103104505250469 | 45 | 1,770 | Galvanized | sS | 1,515 | 970   | SupplierStandard | 873 | 20 |
| 103104504250469 | 45 | 1,770 | Galvanized | sZ | 1,515 | 970   | SupplierStandard | 873 | 20 |
| 103104503250469 | 45 | 1,770 | Galvanized | zS | 1,515 | 970   | SupplierStandard | 873 | 20 |
| 103104506250469 | 45 | 1,770 | Galvanized | zZ | 1,515 | 970   | SupplierStandard | 873 | 20 |
| 103104505070469 | 45 | 1,960 | Bright     | sS | 1,677 | 970   | SupplierStandard | 873 | 20 |
| 103104504070469 | 45 | 1,960 | Bright     | sZ | 1,677 | 970   | SupplierStandard | 873 | 20 |
| 103104503070469 | 45 | 1,960 | Bright     | zS | 1,677 | 970   | SupplierStandard | 873 | 20 |
| 103104506070469 | 45 | 1,960 | Bright     | zZ | 1,677 | 970   | SupplierStandard | 873 | 20 |
| 103104505270469 | 45 | 1,960 | Galvanized | sS | 1,677 | 970   | SupplierStandard | 873 | 20 |
| 103104504270469 | 45 | 1,960 | Galvanized | sZ | 1,677 | 970   | SupplierStandard | 873 | 20 |
| 103104503270469 | 45 | 1,960 | Galvanized | zS | 1,677 | 970   | SupplierStandard | 873 | 20 |
| 103104506270469 | 45 | 1,960 | Galvanized | zZ | 1,677 | 970   | SupplierStandard | 873 | 20 |
| 103104605050469 | 46 | 1,770 | Bright     | sS | 1,583 | 1,014 | SupplierStandard | 912 | 20 |
| 103104604050469 | 46 | 1,770 | Bright     | sZ | 1,583 | 1,014 | SupplierStandard | 912 | 20 |
| 103104603050469 | 46 | 1,770 | Bright     | zS | 1,583 | 1,014 | SupplierStandard | 912 | 20 |

|                 |    |       |            |    |       |       |                  |     |    |
|-----------------|----|-------|------------|----|-------|-------|------------------|-----|----|
| 103104606050469 | 46 | 1,770 | Bright     | zZ | 1,583 | 1,014 | SupplierStandard | 912 | 20 |
| 103104605250469 | 46 | 1,770 | Galvanized | sS | 1,583 | 1,014 | SupplierStandard | 912 | 20 |
| 103104604250469 | 46 | 1,770 | Galvanized | sZ | 1,583 | 1,014 | SupplierStandard | 912 | 20 |
| 103104603250469 | 46 | 1,770 | Galvanized | zS | 1,583 | 1,014 | SupplierStandard | 912 | 20 |
| 103104606250469 | 46 | 1,770 | Galvanized | zZ | 1,583 | 1,014 | SupplierStandard | 912 | 20 |
| 103104605070469 | 46 | 1,960 | Bright     | sS | 1,753 | 1,014 | SupplierStandard | 912 | 20 |
| 103104604070469 | 46 | 1,960 | Bright     | sZ | 1,753 | 1,014 | SupplierStandard | 912 | 20 |
| 103104603070469 | 46 | 1,960 | Bright     | zS | 1,753 | 1,014 | SupplierStandard | 912 | 20 |
| 103104606070469 | 46 | 1,960 | Bright     | zZ | 1,753 | 1,014 | SupplierStandard | 912 | 20 |
| 103104605270469 | 46 | 1,960 | Galvanized | sS | 1,753 | 1,014 | SupplierStandard | 912 | 20 |
| 103104604270469 | 46 | 1,960 | Galvanized | sZ | 1,753 | 1,014 | SupplierStandard | 912 | 20 |
| 103104603270469 | 46 | 1,960 | Galvanized | zS | 1,753 | 1,014 | SupplierStandard | 912 | 20 |
| 103104606270469 | 46 | 1,960 | Galvanized | zZ | 1,753 | 1,014 | SupplierStandard | 912 | 20 |
| 103104805050469 | 48 | 1,770 | Bright     | sS | 1,723 | 1,104 | SupplierStandard | 993 | 20 |
| 103104804050469 | 48 | 1,770 | Bright     | sZ | 1,723 | 1,104 | SupplierStandard | 993 | 20 |
| 103104803050469 | 48 | 1,770 | Bright     | zS | 1,723 | 1,104 | SupplierStandard | 993 | 20 |
| 103104806050469 | 48 | 1,770 | Bright     | zZ | 1,723 | 1,104 | SupplierStandard | 993 | 20 |
| 103104805250469 | 48 | 1,770 | Galvanized | sS | 1,723 | 1,104 | SupplierStandard | 993 | 20 |
| 103104804250469 | 48 | 1,770 | Galvanized | sZ | 1,723 | 1,104 | SupplierStandard | 993 | 20 |
| 103104803250469 | 48 | 1,770 | Galvanized | zS | 1,723 | 1,104 | SupplierStandard | 993 | 20 |
| 103104806250469 | 48 | 1,770 | Galvanized | zZ | 1,723 | 1,104 | SupplierStandard | 993 | 20 |
| 103104805070469 | 48 | 1,960 | Bright     | sS | 1,908 | 1,104 | SupplierStandard | 993 | 20 |
| 103104804070469 | 48 | 1,960 | Bright     | sZ | 1,908 | 1,104 | SupplierStandard | 993 | 20 |

|                 |    |       |            |    |       |       |                  |       |    |
|-----------------|----|-------|------------|----|-------|-------|------------------|-------|----|
| 103104803070469 | 48 | 1,960 | Bright     | zS | 1,908 | 1,104 | SupplierStandard | 993   | 20 |
| 103104806070469 | 48 | 1,960 | Bright     | zZ | 1,908 | 1,104 | SupplierStandard | 993   | 20 |
| 103104805270469 | 48 | 1,960 | Galvanized | sS | 1,908 | 1,104 | SupplierStandard | 993   | 20 |
| 103104804270469 | 48 | 1,960 | Galvanized | sZ | 1,908 | 1,104 | SupplierStandard | 993   | 20 |
| 103104803270469 | 48 | 1,960 | Galvanized | zS | 1,908 | 1,104 | SupplierStandard | 993   | 20 |
| 103104806270469 | 48 | 1,960 | Galvanized | zZ | 1,908 | 1,104 | SupplierStandard | 993   | 20 |
| 103105005050469 | 50 | 1,770 | Bright     | sS | 1,870 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105004050469 | 50 | 1,770 | Bright     | sZ | 1,870 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105003050469 | 50 | 1,770 | Bright     | zS | 1,870 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105006050469 | 50 | 1,770 | Bright     | zZ | 1,870 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105005250469 | 50 | 1,770 | Galvanized | sS | 1,870 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105004250469 | 50 | 1,770 | Galvanized | sZ | 1,870 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105003250469 | 50 | 1,770 | Galvanized | zS | 1,870 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105006250469 | 50 | 1,770 | Galvanized | zZ | 1,870 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105005070469 | 50 | 1,960 | Bright     | sS | 2,071 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105004070469 | 50 | 1,960 | Bright     | sZ | 2,071 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105003070469 | 50 | 1,960 | Bright     | zS | 2,071 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105006070469 | 50 | 1,960 | Bright     | zZ | 2,071 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105005270469 | 50 | 1,960 | Galvanized | sS | 2,071 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105004270469 | 50 | 1,960 | Galvanized | sZ | 2,071 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105003270469 | 50 | 1,960 | Galvanized | zS | 2,071 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105006270469 | 50 | 1,960 | Galvanized | zZ | 2,071 | 1,198 | SupplierStandard | 1,078 | 20 |
| 103105205050469 | 52 | 1,770 | Bright     | sS | 2,022 | 1,295 | SupplierStandard | 1,166 | 20 |

|                 |    |       |            |    |       |       |                  |       |    |
|-----------------|----|-------|------------|----|-------|-------|------------------|-------|----|
| 103105204050469 | 52 | 1,770 | Bright     | sZ | 2,022 | 1,295 | SupplierStandard | 1,166 | 20 |
| 103105203050469 | 52 | 1,770 | Bright     | zS | 2,022 | 1,295 | SupplierStandard | 1,166 | 20 |
| 103105206050469 | 52 | 1,770 | Bright     | zZ | 2,022 | 1,295 | SupplierStandard | 1,166 | 20 |
| 103105205250469 | 52 | 1,770 | Galvanized | sS | 2,022 | 1,295 | SupplierStandard | 1,166 | 20 |
| 103105204250469 | 52 | 1,770 | Galvanized | sZ | 2,022 | 1,295 | SupplierStandard | 1,166 | 20 |
| 103105203250469 | 52 | 1,770 | Galvanized | zS | 2,022 | 1,295 | SupplierStandard | 1,166 | 20 |
| 103105206250469 | 52 | 1,770 | Galvanized | zZ | 2,022 | 1,295 | SupplierStandard | 1,166 | 20 |
| 103105205070469 | 52 | 1,960 | Bright     | sS | 2,239 | 1,295 | SupplierStandard | 1,166 | 20 |
| 103105204070469 | 52 | 1,960 | Bright     | sZ | 2,239 | 1,295 | SupplierStandard | 1,166 | 20 |
| 103105203070469 | 52 | 1,960 | Bright     | zS | 2,239 | 1,295 | SupplierStandard | 1,166 | 20 |
| 103105206070469 | 52 | 1,960 | Bright     | zZ | 2,239 | 1,295 | SupplierStandard | 1,166 | 20 |
| 103105205270469 | 52 | 1,960 | Galvanized | sS | 2,239 | 1,295 | SupplierStandard | 1,166 | 20 |
| 103105204270469 | 52 | 1,960 | Galvanized | sZ | 2,239 | 1,295 | SupplierStandard | 1,166 | 20 |
| 103105203270469 | 52 | 1,960 | Galvanized | zS | 2,239 | 1,295 | SupplierStandard | 1,166 | 20 |
| 103105206270469 | 52 | 1,960 | Galvanized | zZ | 2,239 | 1,295 | SupplierStandard | 1,166 | 20 |
| 103105405050469 | 54 | 1,770 | Bright     | sS | 2,181 | 1,397 | SupplierStandard | 1,257 | 20 |
| 103105404050469 | 54 | 1,770 | Bright     | sZ | 2,181 | 1,397 | SupplierStandard | 1,257 | 20 |
| 103105403050469 | 54 | 1,770 | Bright     | zS | 2,181 | 1,397 | SupplierStandard | 1,257 | 20 |
| 103105406050469 | 54 | 1,770 | Bright     | zZ | 2,181 | 1,397 | SupplierStandard | 1,257 | 20 |
| 103105405250469 | 54 | 1,770 | Galvanized | sS | 2,181 | 1,397 | SupplierStandard | 1,257 | 20 |
| 103105404250469 | 54 | 1,770 | Galvanized | sZ | 2,181 | 1,397 | SupplierStandard | 1,257 | 20 |
| 103105403250469 | 54 | 1,770 | Galvanized | zS | 2,181 | 1,397 | SupplierStandard | 1,257 | 20 |
| 103105406250469 | 54 | 1,770 | Galvanized | zZ | 2,181 | 1,397 | SupplierStandard | 1,257 | 20 |

|                 |    |       |            |    |       |       |                  |       |    |
|-----------------|----|-------|------------|----|-------|-------|------------------|-------|----|
| 103105405070469 | 54 | 1,960 | Bright     | sS | 2,415 | 1,397 | SupplierStandard | 1,257 | 20 |
| 103105404070469 | 54 | 1,960 | Bright     | sZ | 2,415 | 1,397 | SupplierStandard | 1,257 | 20 |
| 103105403070469 | 54 | 1,960 | Bright     | zS | 2,415 | 1,397 | SupplierStandard | 1,257 | 20 |
| 103105406070469 | 54 | 1,960 | Bright     | zZ | 2,415 | 1,397 | SupplierStandard | 1,257 | 20 |
| 103105405270469 | 54 | 1,960 | Galvanized | sS | 2,415 | 1,397 | SupplierStandard | 1,257 | 20 |
| 103105404270469 | 54 | 1,960 | Galvanized | sZ | 2,415 | 1,397 | SupplierStandard | 1,257 | 20 |
| 103105403270469 | 54 | 1,960 | Galvanized | zS | 2,415 | 1,397 | SupplierStandard | 1,257 | 20 |
| 103105406270469 | 54 | 1,960 | Galvanized | zZ | 2,415 | 1,397 | SupplierStandard | 1,257 | 20 |
| 103105605050469 | 56 | 1,770 | Bright     | sS | 2,346 | 1,502 | SupplierStandard | 1,352 | 20 |
| 103105604050469 | 56 | 1,770 | Bright     | sZ | 2,346 | 1,502 | SupplierStandard | 1,352 | 20 |
| 103105603050469 | 56 | 1,770 | Bright     | zS | 2,346 | 1,502 | SupplierStandard | 1,352 | 20 |
| 103105606050469 | 56 | 1,770 | Bright     | zZ | 2,346 | 1,502 | SupplierStandard | 1,352 | 20 |
| 103105605250469 | 56 | 1,770 | Galvanized | sS | 2,346 | 1,502 | SupplierStandard | 1,352 | 20 |
| 103105604250469 | 56 | 1,770 | Galvanized | sZ | 2,346 | 1,502 | SupplierStandard | 1,352 | 20 |
| 103105603250469 | 56 | 1,770 | Galvanized | zS | 2,346 | 1,502 | SupplierStandard | 1,352 | 20 |
| 103105606250469 | 56 | 1,770 | Galvanized | zZ | 2,346 | 1,502 | SupplierStandard | 1,352 | 20 |
| 103105605070469 | 56 | 1,960 | Bright     | sS | 2,597 | 1,502 | SupplierStandard | 1,352 | 20 |
| 103105604070469 | 56 | 1,960 | Bright     | sZ | 2,597 | 1,502 | SupplierStandard | 1,352 | 20 |
| 103105603070469 | 56 | 1,960 | Bright     | zS | 2,597 | 1,502 | SupplierStandard | 1,352 | 20 |
| 103105606070469 | 56 | 1,960 | Bright     | zZ | 2,597 | 1,502 | SupplierStandard | 1,352 | 20 |
| 103105605270469 | 56 | 1,960 | Galvanized | sS | 2,597 | 1,502 | SupplierStandard | 1,352 | 20 |
| 103105604270469 | 56 | 1,960 | Galvanized | sZ | 2,597 | 1,502 | SupplierStandard | 1,352 | 20 |
| 103105603270469 | 56 | 1,960 | Galvanized | zS | 2,597 | 1,502 | SupplierStandard | 1,352 | 20 |

|                 |    |       |            |    |       |       |                  |       |    |
|-----------------|----|-------|------------|----|-------|-------|------------------|-------|----|
| 103105606270469 | 56 | 1,960 | Galvanized | zZ | 2,597 | 1,502 | SupplierStandard | 1,352 | 20 |
| 103105805050469 | 58 | 1,770 | Bright     | sS | 2,516 | 1,612 | SupplierStandard | 1,451 | 20 |
| 103105804050469 | 58 | 1,770 | Bright     | sZ | 2,516 | 1,612 | SupplierStandard | 1,451 | 20 |
| 103105806050469 | 58 | 1,770 | Bright     | zZ | 2,516 | 1,612 | SupplierStandard | 1,451 | 20 |
| 103105805250469 | 58 | 1,770 | Galvanized | sS | 2,516 | 1,612 | SupplierStandard | 1,451 | 20 |
| 103105804250469 | 58 | 1,770 | Galvanized | sZ | 2,516 | 1,612 | SupplierStandard | 1,451 | 20 |
| 103105803250469 | 58 | 1,770 | Galvanized | zS | 2,516 | 1,612 | SupplierStandard | 1,451 | 20 |
| 103105806250469 | 58 | 1,770 | Galvanized | zZ | 2,516 | 1,612 | SupplierStandard | 1,451 | 20 |
| 103105803050469 | 58 | 1,770 | Bright     | zS | 2,786 | 1,612 | SupplierStandard | 1,451 | 20 |
| 103105805070469 | 58 | 1,960 | Bright     | sS | 2,786 | 1,612 | SupplierStandard | 1,451 | 20 |
| 103105804070469 | 58 | 1,960 | Bright     | sZ | 2,786 | 1,612 | SupplierStandard | 1,451 | 20 |
| 103105803070469 | 58 | 1,960 | Bright     | zS | 2,786 | 1,612 | SupplierStandard | 1,451 | 20 |
| 103105806070469 | 58 | 1,960 | Bright     | zZ | 2,786 | 1,612 | SupplierStandard | 1,451 | 20 |
| 103105805270469 | 58 | 1,960 | Galvanized | sS | 2,786 | 1,612 | SupplierStandard | 1,451 | 20 |
| 103105804270469 | 58 | 1,960 | Galvanized | sZ | 2,786 | 1,612 | SupplierStandard | 1,451 | 20 |
| 103105803270469 | 58 | 1,960 | Galvanized | zS | 2,786 | 1,612 | SupplierStandard | 1,451 | 20 |
| 103105806270469 | 58 | 1,960 | Galvanized | zZ | 2,786 | 1,612 | SupplierStandard | 1,451 | 20 |

## Technical data