

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

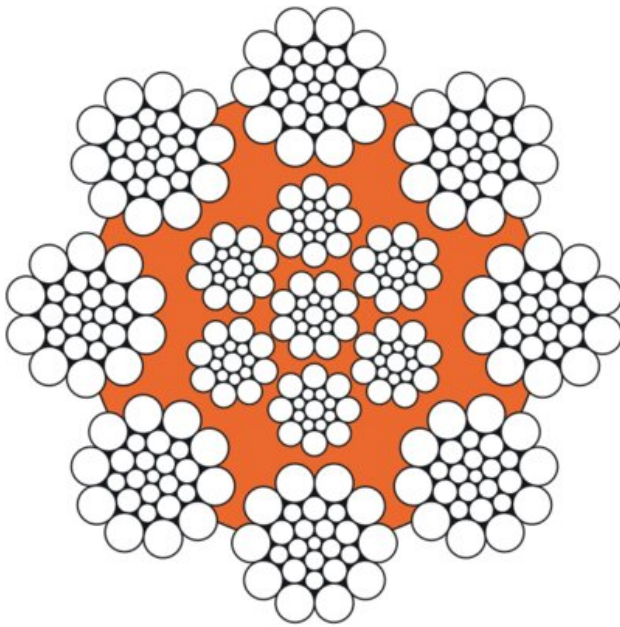
Standard: EN 12385-4

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

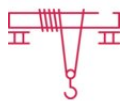
Fill factor: 0.61

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 ² | Steel area mm ² | Min. Breaking force kN | Finish | Rope lay. | Weight kg/100m | Delivery time |
|-----------------|-------------------|------------------------------------|----------------------------|------------------------|------------|-----------|----------------|---------------|
| 103100804270469 | 8 | 1,960 | 31 | 53 | Galvanized | sZ | 28 | 10 |
| 103101005050469 | 10 | 1,770 | 48 | 74.8 | Bright | sS | 43 | 10 |
| 103101004050469 | 10 | 1,770 | 48 | 74.8 | Bright | sZ | 43 | 10 |
| 103101003050469 | 10 | 1,770 | 48 | 74.8 | Bright | zS | 43 | 10 |
| 103101006050469 | 10 | 1,770 | 48 | 74.8 | Bright | zZ | 43 | 10 |
| 103101005250469 | 10 | 1,770 | 48 | 74.8 | Galvanized | sS | 43 | 10 |
| 103101004250469 | 10 | 1,770 | 48 | 74.8 | Galvanized | sZ | 43 | 10 |
| 103101003250469 | 10 | 1,770 | 48 | 74.8 | Galvanized | zS | 43 | 10 |
| 103101006250469 | 10 | 1,770 | 48 | 74.8 | Galvanized | zZ | 43 | 10 |
| 103101005070469 | 10 | 1,960 | 48 | 82.8 | Bright | sS | 43 | 10 |
| 103101004070469 | 10 | 1,960 | 48 | 82.8 | Bright | sZ | 43 | 10 |
| 103101003070469 | 10 | 1,960 | 48 | 82.8 | Bright | zS | 43 | 10 |
| 103101006070469 | 10 | 1,960 | 48 | 82.8 | Bright | zZ | 43 | 10 |
| 103101005270469 | 10 | 1,960 | 48 | 82.8 | Galvanized | sS | 43 | 10 |
| 103101004270469 | 10 | 1,960 | 48 | 82.8 | Galvanized | sZ | 43 | 10 |
| 103101003270469 | 10 | 1,960 | 48 | 82.8 | Galvanized | zS | 43 | 10 |
| 103101006270469 | 10 | 1,960 | 48 | 82.8 | Galvanized | zZ | 43 | 10 |
| 103101105050469 | 11 | 1,770 | 58 | 90.5 | Bright | sS | 52 | 10 |

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|-----------------|----|-------|----|-------|------------|----|----|----|
| 103101104050469 | 11 | 1,770 | 58 | 90.5 | Bright | sZ | 52 | 10 |
| 103101103050469 | 11 | 1,770 | 58 | 90.5 | Bright | zS | 52 | 10 |
| 103101106050469 | 11 | 1,770 | 58 | 90.5 | Bright | zZ | 52 | 10 |
| 103101105250469 | 11 | 1,770 | 58 | 90.5 | Galvanized | sS | 52 | 10 |
| 103101104250469 | 11 | 1,770 | 58 | 90.5 | Galvanized | sZ | 52 | 10 |
| 103101103250469 | 11 | 1,770 | 58 | 90.5 | Galvanized | zS | 52 | 10 |
| 103101106250469 | 11 | 1,770 | 58 | 90.5 | Galvanized | zZ | 52 | 10 |
| 103101105070469 | 11 | 1,960 | 58 | 100.2 | Bright | sS | 52 | 10 |
| 103101104070469 | 11 | 1,960 | 58 | 100.2 | Bright | sZ | 52 | 10 |
| 103101103070469 | 11 | 1,960 | 58 | 100.2 | Bright | zS | 52 | 10 |
| 103101106070469 | 11 | 1,960 | 58 | 100.2 | Bright | zZ | 52 | 10 |
| 103101105270469 | 11 | 1,960 | 58 | 100.2 | Galvanized | sS | 52 | 10 |
| 103101104270469 | 11 | 1,960 | 58 | 100.2 | Galvanized | sZ | 52 | 10 |
| 103101103270469 | 11 | 1,960 | 58 | 100.2 | Galvanized | zS | 52 | 10 |
| 103101106270469 | 11 | 1,960 | 58 | 100.2 | Galvanized | zZ | 52 | 10 |
| 103101205050469 | 12 | 1,770 | 69 | 107.7 | Bright | sS | 62 | 10 |
| 103101204050469 | 12 | 1,770 | 69 | 107.7 | Bright | sZ | 62 | 10 |
| 103101203050469 | 12 | 1,770 | 69 | 107.7 | Bright | zS | 62 | 10 |
| 103101206050469 | 12 | 1,770 | 69 | 107.7 | Bright | zZ | 62 | 10 |
| 103101205250469 | 12 | 1,770 | 69 | 107.7 | Galvanized | sS | 62 | 10 |
| 103101204250469 | 12 | 1,770 | 69 | 107.7 | Galvanized | sZ | 62 | 10 |
| 103101203250469 | 12 | 1,770 | 69 | 107.7 | Galvanized | zS | 62 | 10 |
| 103101206250469 | 12 | 1,770 | 69 | 107.7 | Galvanized | zZ | 62 | 10 |

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|-----------------|----|-------|----|-------|------------|----|----|----|
| 103101205070469 | 12 | 1,960 | 69 | 119.3 | Bright | sS | 62 | 10 |
| 103101204070469 | 12 | 1,960 | 69 | 119.3 | Bright | sZ | 62 | 10 |
| 103101203070469 | 12 | 1,960 | 69 | 119.3 | Bright | zS | 62 | 10 |
| 103101206070469 | 12 | 1,960 | 69 | 119.3 | Bright | zZ | 62 | 10 |
| 103101205270469 | 12 | 1,960 | 69 | 119.3 | Galvanized | sS | 62 | 10 |
| 103101204270469 | 12 | 1,960 | 69 | 119.3 | Galvanized | sZ | 62 | 10 |
| 103101203270469 | 12 | 1,960 | 69 | 119.3 | Galvanized | zS | 62 | 10 |
| 103101206270469 | 12 | 1,960 | 69 | 119.3 | Galvanized | zZ | 62 | 10 |
| 103101305050469 | 13 | 1,770 | 81 | 126.4 | Bright | sS | 73 | 10 |
| 103101304050469 | 13 | 1,770 | 81 | 126.4 | Bright | sZ | 73 | 10 |
| 103101303050469 | 13 | 1,770 | 81 | 126.4 | Bright | zS | 73 | 10 |
| 103101306050469 | 13 | 1,770 | 81 | 126.4 | Bright | zZ | 73 | 10 |
| 103101305250469 | 13 | 1,770 | 81 | 126.4 | Galvanized | sS | 73 | 10 |
| 103101304250469 | 13 | 1,770 | 81 | 126.4 | Galvanized | sZ | 73 | 10 |
| 103101303250469 | 13 | 1,770 | 81 | 126.4 | Galvanized | zS | 73 | 10 |
| 103101306250469 | 13 | 1,770 | 81 | 126.4 | Galvanized | zZ | 73 | 10 |
| 103101305070469 | 13 | 1,960 | 81 | 140 | Bright | sS | 73 | 10 |
| 103101304070469 | 13 | 1,960 | 81 | 140 | Bright | sZ | 73 | 10 |
| 103101303070469 | 13 | 1,960 | 81 | 140 | Bright | zS | 73 | 10 |
| 103101306070469 | 13 | 1,960 | 81 | 140 | Bright | zZ | 73 | 10 |
| 103101305270469 | 13 | 1,960 | 81 | 140 | Galvanized | sS | 73 | 10 |
| 103101304270469 | 13 | 1,960 | 81 | 140 | Galvanized | sZ | 73 | 10 |
| 103101303270469 | 13 | 1,960 | 81 | 140 | Galvanized | zS | 73 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|----|----|
| 103101306270469 | 13 | 1,960 | 81 | 140 | Galvanized | zZ | 73 | 10 |
| 103101405050469 | 14 | 1,770 | 94 | 146.6 | Bright | sS | 85 | 10 |
| 103101404050469 | 14 | 1,770 | 94 | 146.6 | Bright | sZ | 85 | 10 |
| 103101403050469 | 14 | 1,770 | 94 | 146.6 | Bright | zS | 85 | 10 |
| 103101406050469 | 14 | 1,770 | 94 | 146.6 | Bright | zZ | 85 | 10 |
| 103101405250469 | 14 | 1,770 | 94 | 146.6 | Galvanized | sS | 85 | 10 |
| 103101404250469 | 14 | 1,770 | 94 | 146.6 | Galvanized | sZ | 85 | 10 |
| 103101403250469 | 14 | 1,770 | 94 | 146.6 | Galvanized | zS | 85 | 10 |
| 103101406250469 | 14 | 1,770 | 94 | 146.6 | Galvanized | zZ | 85 | 10 |
| 103101405070469 | 14 | 1,960 | 94 | 162.3 | Bright | sS | 85 | 10 |
| 103101404070469 | 14 | 1,960 | 94 | 162.3 | Bright | sZ | 85 | 10 |
| 103101403070469 | 14 | 1,960 | 94 | 162.3 | Bright | zS | 85 | 10 |
| 103101406070469 | 14 | 1,960 | 94 | 162.3 | Bright | zZ | 85 | 10 |
| 103101405270469 | 14 | 1,960 | 94 | 162.3 | Galvanized | sS | 85 | 10 |
| 103101404270469 | 14 | 1,960 | 94 | 162.3 | Galvanized | sZ | 85 | 10 |
| 103101403270469 | 14 | 1,960 | 94 | 162.3 | Galvanized | zS | 85 | 10 |
| 103101406270469 | 14 | 1,960 | 94 | 162.3 | Galvanized | zZ | 85 | 10 |
| 103101505050469 | 15 | 1,770 | 108 | 168.3 | Bright | sS | 97 | 10 |
| 103101504050469 | 15 | 1,770 | 108 | 168.3 | Bright | sZ | 97 | 10 |
| 103101503050469 | 15 | 1,770 | 108 | 168.3 | Bright | zS | 97 | 10 |
| 103101506050469 | 15 | 1,770 | 108 | 168.3 | Bright | zZ | 97 | 10 |
| 103101505250469 | 15 | 1,770 | 108 | 168.3 | Galvanized | sS | 97 | 10 |
| 103101504250469 | 15 | 1,770 | 108 | 168.3 | Galvanized | sZ | 97 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103101503250469 | 15 | 1,770 | 108 | 168.3 | Galvanized | zS | 97 | 10 |
| 103101506250469 | 15 | 1,770 | 108 | 168.3 | Galvanized | zZ | 97 | 10 |
| 103101505070469 | 15 | 1,960 | 108 | 186.3 | Bright | sS | 97 | 10 |
| 103101504070469 | 15 | 1,960 | 108 | 186.3 | Bright | sZ | 97 | 10 |
| 103101503070469 | 15 | 1,960 | 108 | 186.3 | Bright | zS | 97 | 10 |
| 103101506070469 | 15 | 1,960 | 108 | 186.3 | Bright | zZ | 97 | 10 |
| 103101505270469 | 15 | 1,960 | 108 | 186.3 | Galvanized | sS | 97 | 10 |
| 103101504270469 | 15 | 1,960 | 108 | 186.3 | Galvanized | sZ | 97 | 10 |
| 103101503270469 | 15 | 1,960 | 108 | 186.3 | Galvanized | zS | 97 | 10 |
| 103101506270469 | 15 | 1,960 | 108 | 186.3 | Galvanized | zZ | 97 | 10 |
| 103101605050469 | 16 | 1,770 | 123 | 191.5 | Bright | sS | 110 | 10 |
| 103101604050469 | 16 | 1,770 | 123 | 191.5 | Bright | sZ | 110 | 10 |
| 103101603050469 | 16 | 1,770 | 123 | 191.5 | Bright | zS | 110 | 10 |
| 103101606050469 | 16 | 1,770 | 123 | 191.5 | Bright | zZ | 110 | 10 |
| 103101605250469 | 16 | 1,770 | 123 | 191.5 | Galvanized | sS | 110 | 10 |
| 103101604250469 | 16 | 1,770 | 123 | 191.5 | Galvanized | sZ | 110 | 10 |
| 103101603250469 | 16 | 1,770 | 123 | 191.5 | Galvanized | zS | 110 | 10 |
| 103101606250469 | 16 | 1,770 | 123 | 191.5 | Galvanized | zZ | 110 | 10 |
| 103101605070469 | 16 | 1,960 | 123 | 212 | Bright | sS | 110 | 10 |
| 103101604070469 | 16 | 1,960 | 123 | 212 | Bright | sZ | 110 | 10 |
| 103101603070469 | 16 | 1,960 | 123 | 212 | Bright | zS | 110 | 10 |
| 103101606070469 | 16 | 1,960 | 123 | 212 | Bright | zZ | 110 | 10 |
| 103101605270469 | 16 | 1,960 | 123 | 212 | Galvanized | sS | 110 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103101604270469 | 16 | 1,960 | 123 | 212 | Galvanized | sZ | 110 | 10 |
| 103101603270469 | 16 | 1,960 | 123 | 212 | Galvanized | zS | 110 | 10 |
| 103101606270469 | 16 | 1,960 | 123 | 212 | Galvanized | zZ | 110 | 10 |
| 103101705050469 | 17 | 1,770 | 138 | 216.2 | Bright | sS | 125 | 10 |
| 103101704050469 | 17 | 1,770 | 138 | 216.2 | Bright | sZ | 125 | 10 |
| 103101703050469 | 17 | 1,770 | 138 | 216.2 | Bright | zS | 125 | 10 |
| 103101706050469 | 17 | 1,770 | 138 | 216.2 | Bright | zZ | 125 | 10 |
| 103101705250469 | 17 | 1,770 | 138 | 216.2 | Galvanized | sS | 125 | 10 |
| 103101704250469 | 17 | 1,770 | 138 | 216.2 | Galvanized | sZ | 125 | 10 |
| 103101703250469 | 17 | 1,770 | 138 | 216.2 | Galvanized | zS | 125 | 10 |
| 103101706250469 | 17 | 1,770 | 138 | 216.2 | Galvanized | zZ | 125 | 10 |
| 103101705070469 | 17 | 1,960 | 138 | 239.4 | Bright | sS | 125 | 10 |
| 103101704070469 | 17 | 1,960 | 138 | 239.4 | Bright | sZ | 125 | 10 |
| 103101703070469 | 17 | 1,960 | 138 | 239.4 | Bright | zS | 125 | 10 |
| 103101706070469 | 17 | 1,960 | 138 | 239.4 | Bright | zZ | 125 | 10 |
| 103101705270469 | 17 | 1,960 | 138 | 239.4 | Galvanized | sS | 125 | 10 |
| 103101704270469 | 17 | 1,960 | 138 | 239.4 | Galvanized | sZ | 125 | 10 |
| 103101703270469 | 17 | 1,960 | 138 | 239.4 | Galvanized | zS | 125 | 10 |
| 103101706270469 | 17 | 1,960 | 138 | 239.4 | Galvanized | zZ | 125 | 10 |
| 103101805050469 | 18 | 1,770 | 155 | 242.3 | Bright | sS | 140 | 10 |
| 103101804050469 | 18 | 1,770 | 155 | 242.3 | Bright | sZ | 140 | 10 |
| 103101803050469 | 18 | 1,770 | 155 | 242.3 | Bright | zS | 140 | 10 |
| 103101806050469 | 18 | 1,770 | 155 | 242.3 | Bright | zZ | 140 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103101805250469 | 18 | 1,770 | 155 | 242.3 | Galvanized | sS | 140 | 10 |
| 103101804250469 | 18 | 1,770 | 155 | 242.3 | Galvanized | sZ | 140 | 10 |
| 103101803250469 | 18 | 1,770 | 155 | 242.3 | Galvanized | zS | 140 | 10 |
| 103101806250469 | 18 | 1,770 | 155 | 242.3 | Galvanized | zZ | 140 | 10 |
| 103101805070469 | 18 | 1,960 | 155 | 268.3 | Bright | sS | 140 | 10 |
| 103101804070469 | 18 | 1,960 | 155 | 268.3 | Bright | sZ | 140 | 10 |
| 103101803070469 | 18 | 1,960 | 155 | 268.3 | Bright | zS | 140 | 10 |
| 103101806070469 | 18 | 1,960 | 155 | 268.3 | Bright | zZ | 140 | 10 |
| 103101805270469 | 18 | 1,960 | 155 | 268.3 | Galvanized | sS | 140 | 10 |
| 103101804270469 | 18 | 1,960 | 155 | 268.3 | Galvanized | sZ | 140 | 10 |
| 103101803270469 | 18 | 1,960 | 155 | 268.3 | Galvanized | zS | 140 | 10 |
| 103101806270469 | 18 | 1,960 | 155 | 268.3 | Galvanized | zZ | 140 | 10 |
| 103101905050469 | 19 | 1,770 | 173 | 270 | Bright | sS | 156 | 10 |
| 103101904050469 | 19 | 1,770 | 173 | 270 | Bright | sZ | 156 | 10 |
| 103101903050469 | 19 | 1,770 | 173 | 270 | Bright | zS | 156 | 10 |
| 103101906050469 | 19 | 1,770 | 173 | 270 | Bright | zZ | 156 | 10 |
| 103101905250469 | 19 | 1,770 | 173 | 270 | Galvanized | sS | 156 | 10 |
| 103101904250469 | 19 | 1,770 | 173 | 270 | Galvanized | sZ | 156 | 10 |
| 103101903250469 | 19 | 1,770 | 173 | 270 | Galvanized | zS | 156 | 10 |
| 103101906250469 | 19 | 1,770 | 173 | 270 | Galvanized | zZ | 156 | 10 |
| 103101905070469 | 19 | 1,960 | 173 | 299 | Bright | sS | 156 | 10 |
| 103101904070469 | 19 | 1,960 | 173 | 299 | Bright | sZ | 156 | 10 |
| 103101903070469 | 19 | 1,960 | 173 | 299 | Bright | zS | 156 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103101906070469 | 19 | 1,960 | 173 | 299 | Bright | zZ | 156 | 10 |
| 103101905270469 | 19 | 1,960 | 173 | 299 | Galvanized | sS | 156 | 10 |
| 103101904270469 | 19 | 1,960 | 173 | 299 | Galvanized | sZ | 156 | 10 |
| 103101903270469 | 19 | 1,960 | 173 | 299 | Galvanized | zS | 156 | 10 |
| 103101906270469 | 19 | 1,960 | 173 | 299 | Galvanized | zZ | 156 | 10 |
| 103102005050469 | 20 | 1,770 | 192 | 299.2 | Bright | sS | 173 | 10 |
| 103102004050469 | 20 | 1,770 | 192 | 299.2 | Bright | sZ | 173 | 10 |
| 103102003050469 | 20 | 1,770 | 192 | 299.2 | Bright | zS | 173 | 10 |
| 103102006050469 | 20 | 1,770 | 192 | 299.2 | Bright | zZ | 173 | 10 |
| 103102005250469 | 20 | 1,770 | 192 | 299.2 | Galvanized | sS | 173 | 10 |
| 103102004250469 | 20 | 1,770 | 192 | 299.2 | Galvanized | sZ | 173 | 10 |
| 103102003250469 | 20 | 1,770 | 192 | 299.2 | Galvanized | zS | 173 | 10 |
| 103102006250469 | 20 | 1,770 | 192 | 299.2 | Galvanized | zZ | 173 | 10 |
| 103102005070469 | 20 | 1,960 | 192 | 331.3 | Bright | sS | 173 | 10 |
| 103102004070469 | 20 | 1,960 | 192 | 331.3 | Bright | sZ | 173 | 10 |
| 103102003070469 | 20 | 1,960 | 192 | 331.3 | Bright | zS | 173 | 10 |
| 103102006070469 | 20 | 1,960 | 192 | 331.3 | Bright | zZ | 173 | 10 |
| 103102005270469 | 20 | 1,960 | 192 | 331.3 | Galvanized | sS | 173 | 10 |
| 103102004270469 | 20 | 1,960 | 192 | 331.3 | Galvanized | sZ | 173 | 10 |
| 103102003270469 | 20 | 1,960 | 192 | 331.3 | Galvanized | zS | 173 | 10 |
| 103102006270469 | 20 | 1,960 | 192 | 331.3 | Galvanized | zZ | 173 | 10 |
| 103102105050469 | 21 | 1,770 | 211 | 329.8 | Bright | sS | 190 | 10 |
| 103102104050469 | 21 | 1,770 | 211 | 329.8 | Bright | sZ | 190 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103102103050469 | 21 | 1,770 | 211 | 329.8 | Bright | zS | 190 | 10 |
| 103102106050469 | 21 | 1,770 | 211 | 329.8 | Bright | zZ | 190 | 10 |
| 103102105250469 | 21 | 1,770 | 211 | 329.8 | Galvanized | sS | 190 | 10 |
| 103102104250469 | 21 | 1,770 | 211 | 329.8 | Galvanized | sZ | 190 | 10 |
| 103102103250469 | 21 | 1,770 | 211 | 329.8 | Galvanized | zS | 190 | 10 |
| 103102106250469 | 21 | 1,770 | 211 | 329.8 | Galvanized | zZ | 190 | 10 |
| 103102105070469 | 21 | 1,960 | 211 | 365.2 | Bright | sS | 190 | 10 |
| 103102104070469 | 21 | 1,960 | 211 | 365.2 | Bright | sZ | 190 | 10 |
| 103102103070469 | 21 | 1,960 | 211 | 365.2 | Bright | zS | 190 | 10 |
| 103102106070469 | 21 | 1,960 | 211 | 365.2 | Bright | zZ | 190 | 10 |
| 103102105270469 | 21 | 1,960 | 211 | 365.2 | Galvanized | sS | 190 | 10 |
| 103102104270469 | 21 | 1,960 | 211 | 365.2 | Galvanized | sZ | 190 | 10 |
| 103102103270469 | 21 | 1,960 | 211 | 365.2 | Galvanized | zS | 190 | 10 |
| 103102106270469 | 21 | 1,960 | 211 | 365.2 | Galvanized | zZ | 190 | 10 |
| 103102205050469 | 22 | 1,770 | 232 | 362 | Bright | sS | 209 | 10 |
| 103102204050469 | 22 | 1,770 | 232 | 362 | Bright | sZ | 209 | 10 |
| 103102203050469 | 22 | 1,770 | 232 | 362 | Bright | zS | 209 | 10 |
| 103102206050469 | 22 | 1,770 | 232 | 362 | Bright | zZ | 209 | 10 |
| 103102205250469 | 22 | 1,770 | 232 | 362 | Galvanized | sS | 209 | 10 |
| 103102204250469 | 22 | 1,770 | 232 | 362 | Galvanized | sZ | 209 | 10 |
| 103102203250469 | 22 | 1,770 | 232 | 362 | Galvanized | zS | 209 | 10 |
| 103102206250469 | 22 | 1,770 | 232 | 362 | Galvanized | zZ | 209 | 10 |
| 103102205070469 | 22 | 1,960 | 232 | 400.9 | Bright | sS | 209 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103102204070469 | 22 | 1,960 | 232 | 400.9 | Bright | sZ | 209 | 10 |
| 103102203070469 | 22 | 1,960 | 232 | 400.9 | Bright | zS | 209 | 10 |
| 103102206070469 | 22 | 1,960 | 232 | 400.9 | Bright | zZ | 209 | 10 |
| 103102205270469 | 22 | 1,960 | 232 | 400.9 | Galvanized | sS | 209 | 10 |
| 103102204270469 | 22 | 1,960 | 232 | 400.9 | Galvanized | sZ | 209 | 10 |
| 103102203270469 | 22 | 1,960 | 232 | 400.9 | Galvanized | zS | 209 | 10 |
| 103102206270469 | 22 | 1,960 | 232 | 400.9 | Galvanized | zZ | 209 | 10 |
| 103102305050469 | 23 | 1,770 | 253 | 395.7 | Bright | sS | 228 | 10 |
| 103102304050469 | 23 | 1,770 | 253 | 395.7 | Bright | sZ | 228 | 10 |
| 103102303050469 | 23 | 1,770 | 253 | 395.7 | Bright | zS | 228 | 10 |
| 103102306050469 | 23 | 1,770 | 253 | 395.7 | Bright | zZ | 228 | 10 |
| 103102305250469 | 23 | 1,770 | 253 | 395.7 | Galvanized | sS | 228 | 10 |
| 103102304250469 | 23 | 1,770 | 253 | 395.7 | Galvanized | sZ | 228 | 10 |
| 103102303250469 | 23 | 1,770 | 253 | 395.7 | Galvanized | zS | 228 | 10 |
| 103102306250469 | 23 | 1,770 | 253 | 395.7 | Galvanized | zZ | 228 | 10 |
| 103102305070469 | 23 | 1,960 | 253 | 438.1 | Bright | sS | 228 | 10 |
| 103102304070469 | 23 | 1,960 | 253 | 438.1 | Bright | sZ | 228 | 10 |
| 103102303070469 | 23 | 1,960 | 253 | 438.1 | Bright | zS | 228 | 10 |
| 103102306070469 | 23 | 1,960 | 253 | 438.1 | Bright | zZ | 228 | 10 |
| 103102305270469 | 23 | 1,960 | 253 | 438.1 | Galvanized | sS | 228 | 10 |
| 103102304270469 | 23 | 1,960 | 253 | 438.1 | Galvanized | sZ | 228 | 10 |
| 103102303270469 | 23 | 1,960 | 253 | 438.1 | Galvanized | zS | 228 | 10 |
| 103102306270469 | 23 | 1,960 | 253 | 438.1 | Galvanized | zZ | 228 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103102405050469 | 24 | 1,770 | 276 | 430.8 | Bright | sS | 248 | 10 |
| 103102404050469 | 24 | 1,770 | 276 | 430.8 | Bright | sZ | 248 | 10 |
| 103102403050469 | 24 | 1,770 | 276 | 430.8 | Bright | zS | 248 | 10 |
| 103102406050469 | 24 | 1,770 | 276 | 430.8 | Bright | zZ | 248 | 10 |
| 103102405250469 | 24 | 1,770 | 276 | 430.8 | Galvanized | sS | 248 | 10 |
| 103102404250469 | 24 | 1,770 | 276 | 430.8 | Galvanized | sZ | 248 | 10 |
| 103102403250469 | 24 | 1,770 | 276 | 430.8 | Galvanized | zS | 248 | 10 |
| 103102406250469 | 24 | 1,770 | 276 | 430.8 | Galvanized | zZ | 248 | 10 |
| 103102405070469 | 24 | 1,960 | 276 | 477.1 | Bright | sS | 248 | 10 |
| 103102404070469 | 24 | 1,960 | 276 | 477.1 | Bright | sZ | 248 | 10 |
| 103102403070469 | 24 | 1,960 | 276 | 477.1 | Bright | zS | 248 | 10 |
| 103102406070469 | 24 | 1,960 | 276 | 477.1 | Bright | zZ | 248 | 10 |
| 103102405270469 | 24 | 1,960 | 276 | 477.1 | Galvanized | sS | 248 | 10 |
| 103102404270469 | 24 | 1,960 | 276 | 477.1 | Galvanized | sZ | 248 | 10 |
| 103102403270469 | 24 | 1,960 | 276 | 477.1 | Galvanized | zS | 248 | 10 |
| 103102406270469 | 24 | 1,960 | 276 | 477.1 | Galvanized | zZ | 248 | 10 |
| 103102505050469 | 25 | 1,770 | 299 | 467.5 | Bright | sS | 270 | 10 |
| 103102504050469 | 25 | 1,770 | 299 | 467.5 | Bright | sZ | 270 | 10 |
| 103102503050469 | 25 | 1,770 | 299 | 467.5 | Bright | zS | 270 | 10 |
| 103102506050469 | 25 | 1,770 | 299 | 467.5 | Bright | zZ | 270 | 10 |
| 103102505250469 | 25 | 1,770 | 299 | 467.5 | Galvanized | sS | 270 | 10 |
| 103102504250469 | 25 | 1,770 | 299 | 467.5 | Galvanized | sZ | 270 | 10 |
| 103102503250469 | 25 | 1,770 | 299 | 467.5 | Galvanized | zS | 270 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103102506250469 | 25 | 1,770 | 299 | 467.5 | Galvanized | zZ | 270 | 10 |
| 103102505070469 | 25 | 1,960 | 299 | 517.6 | Bright | sS | 270 | 10 |
| 103102504070469 | 25 | 1,960 | 299 | 517.6 | Bright | sZ | 270 | 10 |
| 103102503070469 | 25 | 1,960 | 299 | 517.6 | Bright | zS | 270 | 10 |
| 103102506070469 | 25 | 1,960 | 299 | 517.6 | Bright | zZ | 270 | 10 |
| 103102505270469 | 25 | 1,960 | 299 | 517.6 | Galvanized | sS | 270 | 10 |
| 103102504270469 | 25 | 1,960 | 299 | 517.6 | Galvanized | sZ | 270 | 10 |
| 103102503270469 | 25 | 1,960 | 299 | 517.6 | Galvanized | zS | 270 | 10 |
| 103102506270469 | 25 | 1,960 | 299 | 517.6 | Galvanized | zZ | 270 | 10 |
| 103102605050469 | 26 | 1,770 | 324 | 505.6 | Bright | sS | 292 | 10 |
| 103102604050469 | 26 | 1,770 | 324 | 505.6 | Bright | sZ | 292 | 10 |
| 103102603050469 | 26 | 1,770 | 324 | 505.6 | Bright | zS | 292 | 10 |
| 103102606050469 | 26 | 1,770 | 324 | 505.6 | Bright | zZ | 292 | 10 |
| 103102605250469 | 26 | 1,770 | 324 | 505.6 | Galvanized | sS | 292 | 10 |
| 103102604250469 | 26 | 1,770 | 324 | 505.6 | Galvanized | sZ | 292 | 10 |
| 103102603250469 | 26 | 1,770 | 324 | 505.6 | Galvanized | zS | 292 | 10 |
| 103102606250469 | 26 | 1,770 | 324 | 505.6 | Galvanized | zZ | 292 | 10 |
| 103102605070469 | 26 | 1,960 | 324 | 559.9 | Bright | sS | 292 | 10 |
| 103102604070469 | 26 | 1,960 | 324 | 559.9 | Bright | sZ | 292 | 10 |
| 103102603070469 | 26 | 1,960 | 324 | 559.9 | Bright | zS | 292 | 10 |
| 103102606070469 | 26 | 1,960 | 324 | 559.9 | Bright | zZ | 292 | 10 |
| 103102605270469 | 26 | 1,960 | 324 | 559.9 | Galvanized | sS | 292 | 10 |
| 103102604270469 | 26 | 1,960 | 324 | 559.9 | Galvanized | sZ | 292 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103102603270469 | 26 | 1,960 | 324 | 559.9 | Galvanized | zS | 292 | 10 |
| 103102606270469 | 26 | 1,960 | 324 | 559.9 | Galvanized | zZ | 292 | 10 |
| 103102705050469 | 27 | 1,770 | 349 | 545.2 | Bright | sS | 314 | 10 |
| 103102704050469 | 27 | 1,770 | 349 | 545.2 | Bright | sZ | 314 | 10 |
| 103102703050469 | 27 | 1,770 | 349 | 545.2 | Bright | zS | 314 | 10 |
| 103102706050469 | 27 | 1,770 | 349 | 545.2 | Bright | zZ | 314 | 10 |
| 103102705250469 | 27 | 1,770 | 349 | 545.2 | Galvanized | sS | 314 | 10 |
| 103102704250469 | 27 | 1,770 | 349 | 545.2 | Galvanized | sZ | 314 | 10 |
| 103102703250469 | 27 | 1,770 | 349 | 545.2 | Galvanized | zS | 314 | 10 |
| 103102706250469 | 27 | 1,770 | 349 | 545.2 | Galvanized | zZ | 314 | 10 |
| 103102705070469 | 27 | 1,960 | 349 | 603.8 | Bright | sS | 314 | 10 |
| 103102704070469 | 27 | 1,960 | 349 | 603.8 | Bright | sZ | 314 | 10 |
| 103102703070469 | 27 | 1,960 | 349 | 603.8 | Bright | zS | 314 | 10 |
| 103102706070469 | 27 | 1,960 | 349 | 603.8 | Bright | zZ | 314 | 10 |
| 103102705270469 | 27 | 1,960 | 349 | 603.8 | Galvanized | sS | 314 | 10 |
| 103102704270469 | 27 | 1,960 | 349 | 603.8 | Galvanized | sZ | 314 | 10 |
| 103102703270469 | 27 | 1,960 | 349 | 603.8 | Galvanized | zS | 314 | 10 |
| 103102706270469 | 27 | 1,960 | 349 | 603.8 | Galvanized | zZ | 314 | 10 |
| 103102805050469 | 28 | 1,770 | 376 | 586.4 | Bright | sS | 338 | 10 |
| 103102804050469 | 28 | 1,770 | 376 | 586.4 | Bright | sZ | 338 | 10 |
| 103102803050469 | 28 | 1,770 | 376 | 586.4 | Bright | zS | 338 | 10 |
| 103102806050469 | 28 | 1,770 | 376 | 586.4 | Bright | zZ | 338 | 10 |
| 103102805250469 | 28 | 1,770 | 376 | 586.4 | Galvanized | sS | 338 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103102804250469 | 28 | 1,770 | 376 | 586.4 | Galvanized | sZ | 338 | 10 |
| 103102803250469 | 28 | 1,770 | 376 | 586.4 | Galvanized | zS | 338 | 10 |
| 103102806250469 | 28 | 1,770 | 376 | 586.4 | Galvanized | zZ | 338 | 10 |
| 103102805070469 | 28 | 1,960 | 376 | 649.3 | Bright | sS | 338 | 10 |
| 103102804070469 | 28 | 1,960 | 376 | 649.3 | Bright | sZ | 338 | 10 |
| 103102803070469 | 28 | 1,960 | 376 | 649.3 | Bright | zS | 338 | 10 |
| 103102806070469 | 28 | 1,960 | 376 | 649.3 | Bright | zZ | 338 | 10 |
| 103102805270469 | 28 | 1,960 | 376 | 649.3 | Galvanized | sS | 338 | 10 |
| 103102804270469 | 28 | 1,960 | 376 | 649.3 | Galvanized | sZ | 338 | 10 |
| 103102803270469 | 28 | 1,960 | 376 | 649.3 | Galvanized | zS | 338 | 10 |
| 103102806270469 | 28 | 1,960 | 376 | 649.3 | Galvanized | zZ | 338 | 10 |
| 103102905050469 | 29 | 1,770 | 403 | 629 | Bright | sS | 363 | 10 |
| 103102904050469 | 29 | 1,770 | 403 | 629 | Bright | sZ | 363 | 10 |
| 103102903050469 | 29 | 1,770 | 403 | 629 | Bright | zS | 363 | 10 |
| 103102906050469 | 29 | 1,770 | 403 | 629 | Bright | zZ | 363 | 10 |
| 103102905250469 | 29 | 1,770 | 403 | 629 | Galvanized | sS | 363 | 10 |
| 103102904250469 | 29 | 1,770 | 403 | 629 | Galvanized | sZ | 363 | 10 |
| 103102903250469 | 29 | 1,770 | 403 | 629 | Galvanized | zS | 363 | 10 |
| 103102906250469 | 29 | 1,770 | 403 | 629 | Galvanized | zZ | 363 | 10 |
| 103102905070469 | 29 | 1,960 | 403 | 696.5 | Bright | sS | 363 | 10 |
| 103102904070469 | 29 | 1,960 | 403 | 696.5 | Bright | sZ | 363 | 10 |
| 103102903070469 | 29 | 1,960 | 403 | 696.5 | Bright | zS | 363 | 10 |
| 103102906070469 | 29 | 1,960 | 403 | 696.5 | Bright | zZ | 363 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103102905270469 | 29 | 1,960 | 403 | 696.5 | Galvanized | sS | 363 | 10 |
| 103102904270469 | 29 | 1,960 | 403 | 696.5 | Galvanized | sZ | 363 | 10 |
| 103102903270469 | 29 | 1,960 | 403 | 696.5 | Galvanized | zS | 363 | 10 |
| 103102906270469 | 29 | 1,960 | 403 | 696.5 | Galvanized | zZ | 363 | 10 |
| 103103005050469 | 30 | 1,770 | 431 | 673.1 | Bright | sS | 388 | 10 |
| 103103004050469 | 30 | 1,770 | 431 | 673.1 | Bright | sZ | 388 | 10 |
| 103103003050469 | 30 | 1,770 | 431 | 673.1 | Bright | zS | 388 | 10 |
| 103103006050469 | 30 | 1,770 | 431 | 673.1 | Bright | zZ | 388 | 10 |
| 103103005250469 | 30 | 1,770 | 431 | 673.1 | Galvanized | sS | 388 | 10 |
| 103103004250469 | 30 | 1,770 | 431 | 673.1 | Galvanized | sZ | 388 | 10 |
| 103103003250469 | 30 | 1,770 | 431 | 673.1 | Galvanized | zS | 388 | 10 |
| 103103006250469 | 30 | 1,770 | 431 | 673.1 | Galvanized | zZ | 388 | 10 |
| 103103005070469 | 30 | 1,960 | 431 | 745.4 | Bright | sS | 388 | 10 |
| 103103004070469 | 30 | 1,960 | 431 | 745.4 | Bright | sZ | 388 | 10 |
| 103103003070469 | 30 | 1,960 | 431 | 745.4 | Bright | zS | 388 | 10 |
| 103103006070469 | 30 | 1,960 | 431 | 745.4 | Bright | zZ | 388 | 10 |
| 103103005270469 | 30 | 1,960 | 431 | 745.4 | Galvanized | sS | 388 | 10 |
| 103103004270469 | 30 | 1,960 | 431 | 745.4 | Galvanized | sZ | 388 | 10 |
| 103103003270469 | 30 | 1,960 | 431 | 745.4 | Galvanized | zS | 388 | 10 |
| 103103006270469 | 30 | 1,960 | 431 | 745.4 | Galvanized | zZ | 388 | 10 |
| 103103105050469 | 31 | 1,770 | 460 | 718.8 | Bright | sS | 414 | 10 |
| 103103104050469 | 31 | 1,770 | 460 | 718.8 | Bright | sZ | 414 | 10 |
| 103103103050469 | 31 | 1,770 | 460 | 718.8 | Bright | zS | 414 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103103106050469 | 31 | 1,770 | 460 | 718.8 | Bright | zZ | 414 | 10 |
| 103103105250469 | 31 | 1,770 | 460 | 718.8 | Galvanized | sS | 414 | 10 |
| 103103104250469 | 31 | 1,770 | 460 | 718.8 | Galvanized | sZ | 414 | 10 |
| 103103103250469 | 31 | 1,770 | 460 | 718.8 | Galvanized | zS | 414 | 10 |
| 103103106250469 | 31 | 1,770 | 460 | 718.8 | Galvanized | zZ | 414 | 10 |
| 103103105070469 | 31 | 1,960 | 460 | 795.9 | Bright | sS | 414 | 10 |
| 103103104070469 | 31 | 1,960 | 460 | 795.9 | Bright | sZ | 414 | 10 |
| 103103103070469 | 31 | 1,960 | 460 | 795.9 | Bright | zS | 414 | 10 |
| 103103106070469 | 31 | 1,960 | 460 | 795.9 | Bright | zZ | 414 | 10 |
| 103103105270469 | 31 | 1,960 | 460 | 795.9 | Galvanized | sS | 414 | 10 |
| 103103104270469 | 31 | 1,960 | 460 | 795.9 | Galvanized | sZ | 414 | 10 |
| 103103103270469 | 31 | 1,960 | 460 | 795.9 | Galvanized | zS | 414 | 10 |
| 103103106270469 | 31 | 1,960 | 460 | 795.9 | Galvanized | zZ | 414 | 10 |
| 103103205050469 | 32 | 1,770 | 491 | 765.9 | Bright | sS | 442 | 10 |
| 103103204050469 | 32 | 1,770 | 491 | 765.9 | Bright | sZ | 442 | 10 |
| 103103203050469 | 32 | 1,770 | 491 | 765.9 | Bright | zS | 442 | 10 |
| 103103206050469 | 32 | 1,770 | 491 | 765.9 | Bright | zZ | 442 | 10 |
| 103103205250469 | 32 | 1,770 | 491 | 765.9 | Galvanized | sS | 442 | 10 |
| 103103204250469 | 32 | 1,770 | 491 | 765.9 | Galvanized | sZ | 442 | 10 |
| 103103203250469 | 32 | 1,770 | 491 | 765.9 | Galvanized | zS | 442 | 10 |
| 103103206250469 | 32 | 1,770 | 491 | 765.9 | Galvanized | zZ | 442 | 10 |
| 103103205070469 | 32 | 1,960 | 491 | 848.1 | Bright | sS | 442 | 10 |
| 103103204070469 | 32 | 1,960 | 491 | 848.1 | Bright | sZ | 442 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103103203070469 | 32 | 1,960 | 491 | 848.1 | Bright | zS | 442 | 10 |
| 103103206070469 | 32 | 1,960 | 491 | 848.1 | Bright | zZ | 442 | 10 |
| 103103205270469 | 32 | 1,960 | 491 | 848.1 | Galvanized | sS | 442 | 10 |
| 103103204270469 | 32 | 1,960 | 491 | 848.1 | Galvanized | sZ | 442 | 10 |
| 103103203270469 | 32 | 1,960 | 491 | 848.1 | Galvanized | zS | 442 | 10 |
| 103103206270469 | 32 | 1,960 | 491 | 848.1 | Galvanized | zZ | 442 | 10 |
| 103103305050469 | 33 | 1,770 | 522 | 814.5 | Bright | sS | 470 | 10 |
| 103103304050469 | 33 | 1,770 | 522 | 814.5 | Bright | sZ | 470 | 10 |
| 103103303050469 | 33 | 1,770 | 522 | 814.5 | Bright | zS | 470 | 10 |
| 103103306050469 | 33 | 1,770 | 522 | 814.5 | Bright | zZ | 470 | 10 |
| 103103305250469 | 33 | 1,770 | 522 | 814.5 | Galvanized | sS | 470 | 10 |
| 103103304250469 | 33 | 1,770 | 522 | 814.5 | Galvanized | sZ | 470 | 10 |
| 103103303250469 | 33 | 1,770 | 522 | 814.5 | Galvanized | zS | 470 | 10 |
| 103103306250469 | 33 | 1,770 | 522 | 814.5 | Galvanized | zZ | 470 | 10 |
| 103103305070469 | 33 | 1,960 | 522 | 901.9 | Bright | sS | 470 | 10 |
| 103103304070469 | 33 | 1,960 | 522 | 901.9 | Bright | sZ | 470 | 10 |
| 103103303070469 | 33 | 1,960 | 522 | 901.9 | Bright | zS | 470 | 10 |
| 103103306070469 | 33 | 1,960 | 522 | 901.9 | Bright | zZ | 470 | 10 |
| 103103305270469 | 33 | 1,960 | 522 | 901.9 | Galvanized | sS | 470 | 10 |
| 103103304270469 | 33 | 1,960 | 522 | 901.9 | Galvanized | sZ | 470 | 10 |
| 103103303270469 | 33 | 1,960 | 522 | 901.9 | Galvanized | zS | 470 | 10 |
| 103103306270469 | 33 | 1,960 | 522 | 901.9 | Galvanized | zZ | 470 | 10 |
| 103103405050469 | 34 | 1,770 | 554 | 864.6 | Bright | sS | 498 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103103404050469 | 34 | 1,770 | 554 | 864.6 | Bright | sZ | 498 | 10 |
| 103103403050469 | 34 | 1,770 | 554 | 864.6 | Bright | zS | 498 | 10 |
| 103103406050469 | 34 | 1,770 | 554 | 864.6 | Bright | zZ | 498 | 10 |
| 103103405250469 | 34 | 1,770 | 554 | 864.6 | Galvanized | sS | 498 | 10 |
| 103103404250469 | 34 | 1,770 | 554 | 864.6 | Galvanized | sZ | 498 | 10 |
| 103103403250469 | 34 | 1,770 | 554 | 864.6 | Galvanized | zS | 498 | 10 |
| 103103406250469 | 34 | 1,770 | 554 | 864.6 | Galvanized | zZ | 498 | 10 |
| 103103405070469 | 34 | 1,960 | 554 | 957.4 | Bright | sS | 498 | 10 |
| 103103404070469 | 34 | 1,960 | 554 | 957.4 | Bright | sZ | 498 | 10 |
| 103103403070469 | 34 | 1,960 | 554 | 957.4 | Bright | zS | 498 | 10 |
| 103103406070469 | 34 | 1,960 | 554 | 957.4 | Bright | zZ | 498 | 10 |
| 103103405270469 | 34 | 1,960 | 554 | 957.4 | Galvanized | sS | 498 | 10 |
| 103103404270469 | 34 | 1,960 | 554 | 957.4 | Galvanized | sZ | 498 | 10 |
| 103103403270469 | 34 | 1,960 | 554 | 957.4 | Galvanized | zS | 498 | 10 |
| 103103406270469 | 34 | 1,960 | 554 | 957.4 | Galvanized | zZ | 498 | 10 |
| 103103505050469 | 35 | 1,770 | 587 | 916.2 | Bright | sS | 528 | 10 |
| 103103504050469 | 35 | 1,770 | 587 | 916.2 | Bright | sZ | 528 | 10 |
| 103103503050469 | 35 | 1,770 | 587 | 916.2 | Bright | zS | 528 | 10 |
| 103103506050469 | 35 | 1,770 | 587 | 916.2 | Bright | zZ | 528 | 10 |
| 103103505250469 | 35 | 1,770 | 587 | 916.2 | Galvanized | sS | 528 | 10 |
| 103103504250469 | 35 | 1,770 | 587 | 916.2 | Galvanized | sZ | 528 | 10 |
| 103103503250469 | 35 | 1,770 | 587 | 916.2 | Galvanized | zS | 528 | 10 |
| 103103506250469 | 35 | 1,770 | 587 | 916.2 | Galvanized | zZ | 528 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103103505070469 | 35 | 1,960 | 587 | 1,015 | Bright | sS | 528 | 10 |
| 103103504070469 | 35 | 1,960 | 587 | 1,015 | Bright | sZ | 528 | 10 |
| 103103503070469 | 35 | 1,960 | 587 | 1,015 | Bright | zS | 528 | 10 |
| 103103506070469 | 35 | 1,960 | 587 | 1,015 | Bright | zZ | 528 | 10 |
| 103103505270469 | 35 | 1,960 | 587 | 1,015 | Galvanized | sS | 528 | 10 |
| 103103504270469 | 35 | 1,960 | 587 | 1,015 | Galvanized | sZ | 528 | 10 |
| 103103503270469 | 35 | 1,960 | 587 | 1,015 | Galvanized | zS | 528 | 10 |
| 103103506270469 | 35 | 1,960 | 587 | 1,015 | Galvanized | zZ | 528 | 10 |
| 103103605050469 | 36 | 1,770 | 621 | 969.3 | Bright | sS | 559 | 10 |
| 103103604050469 | 36 | 1,770 | 621 | 969.3 | Bright | sZ | 559 | 10 |
| 103103603050469 | 36 | 1,770 | 621 | 969.3 | Bright | zS | 559 | 10 |
| 103103606050469 | 36 | 1,770 | 621 | 969.3 | Bright | zZ | 559 | 10 |
| 103103605250469 | 36 | 1,770 | 621 | 969.3 | Galvanized | sS | 559 | 10 |
| 103103604250469 | 36 | 1,770 | 621 | 969.3 | Galvanized | sZ | 559 | 10 |
| 103103603250469 | 36 | 1,770 | 621 | 969.3 | Galvanized | zS | 559 | 10 |
| 103103606250469 | 36 | 1,770 | 621 | 969.3 | Galvanized | zZ | 559 | 10 |
| 103103605070469 | 36 | 1,960 | 621 | 1,073 | Bright | sS | 559 | 10 |
| 103103604070469 | 36 | 1,960 | 621 | 1,073 | Bright | sZ | 559 | 10 |
| 103103603070469 | 36 | 1,960 | 621 | 1,073 | Bright | zS | 559 | 10 |
| 103103606070469 | 36 | 1,960 | 621 | 1,073 | Bright | zZ | 559 | 10 |
| 103103605270469 | 36 | 1,960 | 621 | 1,073 | Galvanized | sS | 559 | 10 |
| 103103604270469 | 36 | 1,960 | 621 | 1,073 | Galvanized | sZ | 559 | 10 |
| 103103603270469 | 36 | 1,960 | 621 | 1,073 | Galvanized | zS | 559 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103103606270469 | 36 | 1,960 | 621 | 1,073 | Galvanized | zZ | 559 | 10 |
| 103103804250469 | 38 | 1,770 | 692 | 1.08 | Galvanized | sZ | 623 | 10 |
| 103103805050469 | 38 | 1,770 | 692 | 1,080 | Bright | sS | 623 | 10 |
| 103103804050469 | 38 | 1,770 | 692 | 1,080 | Bright | sZ | 623 | 10 |
| 103103803050469 | 38 | 1,770 | 692 | 1,080 | Bright | zS | 623 | 10 |
| 103103806050469 | 38 | 1,770 | 692 | 1,080 | Bright | zZ | 623 | 10 |
| 103103805250469 | 38 | 1,770 | 692 | 1,080 | Galvanized | sS | 623 | 10 |
| 103103803250469 | 38 | 1,770 | 692 | 1,080 | Galvanized | zS | 623 | 10 |
| 103103806250469 | 38 | 1,770 | 692 | 1,080 | Galvanized | zZ | 623 | 10 |
| 103103805070469 | 38 | 1,960 | 692 | 1,196 | Bright | sS | 623 | 10 |
| 103103804070469 | 38 | 1,960 | 692 | 1,196 | Bright | sZ | 623 | 10 |
| 103103803070469 | 38 | 1,960 | 692 | 1,196 | Bright | zS | 623 | 10 |
| 103103806070469 | 38 | 1,960 | 692 | 1,196 | Bright | zZ | 623 | 10 |
| 103103805270469 | 38 | 1,960 | 692 | 1,196 | Galvanized | sS | 623 | 10 |
| 103103804270469 | 38 | 1,960 | 692 | 1,196 | Galvanized | sZ | 623 | 10 |
| 103103803270469 | 38 | 1,960 | 692 | 1,196 | Galvanized | zS | 623 | 10 |
| 103103806270469 | 38 | 1,960 | 692 | 1,196 | Galvanized | zZ | 623 | 10 |
| 103104005050469 | 40 | 1,770 | 767 | 1,197 | Bright | sS | 690 | 10 |
| 103104004050469 | 40 | 1,770 | 767 | 1,197 | Bright | sZ | 690 | 10 |
| 103104003050469 | 40 | 1,770 | 767 | 1,197 | Bright | zS | 690 | 10 |
| 103104006050469 | 40 | 1,770 | 767 | 1,197 | Bright | zZ | 690 | 10 |
| 103104005250469 | 40 | 1,770 | 767 | 1,197 | Galvanized | sS | 690 | 10 |
| 103104004250469 | 40 | 1,770 | 767 | 1,197 | Galvanized | sZ | 690 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103104003250469 | 40 | 1,770 | 767 | 1,197 | Galvanized | zS | 690 | 10 |
| 103104006250469 | 40 | 1,770 | 767 | 1,197 | Galvanized | zZ | 690 | 10 |
| 103104005070469 | 40 | 1,960 | 767 | 1,325 | Bright | sS | 690 | 10 |
| 103104004070469 | 40 | 1,960 | 767 | 1,325 | Bright | sZ | 690 | 10 |
| 103104003070469 | 40 | 1,960 | 767 | 1,325 | Bright | zS | 690 | 10 |
| 103104006070469 | 40 | 1,960 | 767 | 1,325 | Bright | zZ | 690 | 10 |
| 103104005270469 | 40 | 1,960 | 767 | 1,325 | Galvanized | sS | 690 | 10 |
| 103104004270469 | 40 | 1,960 | 767 | 1,325 | Galvanized | sZ | 690 | 10 |
| 103104003270469 | 40 | 1,960 | 767 | 1,325 | Galvanized | zS | 690 | 10 |
| 103104006270469 | 40 | 1,960 | 767 | 1,325 | Galvanized | zZ | 690 | 10 |
| 103104205050469 | 42 | 1,770 | 845 | 1,319 | Bright | sS | 761 | 10 |
| 103104204050469 | 42 | 1,770 | 845 | 1,319 | Bright | sZ | 761 | 10 |
| 103104203050469 | 42 | 1,770 | 845 | 1,319 | Bright | zS | 761 | 10 |
| 103104206050469 | 42 | 1,770 | 845 | 1,319 | Bright | zZ | 761 | 10 |
| 103104205250469 | 42 | 1,770 | 845 | 1,319 | Galvanized | sS | 761 | 10 |
| 103104204250469 | 42 | 1,770 | 845 | 1,319 | Galvanized | sZ | 761 | 10 |
| 103104203250469 | 42 | 1,770 | 845 | 1,319 | Galvanized | zS | 761 | 10 |
| 103104206250469 | 42 | 1,770 | 845 | 1,319 | Galvanized | zZ | 761 | 10 |
| 103104205070469 | 42 | 1,960 | 845 | 1,461 | Bright | sS | 761 | 10 |
| 103104204070469 | 42 | 1,960 | 845 | 1,461 | Bright | sZ | 761 | 10 |
| 103104203070469 | 42 | 1,960 | 845 | 1,461 | Bright | zS | 761 | 10 |
| 103104206070469 | 42 | 1,960 | 845 | 1,461 | Bright | zZ | 761 | 10 |
| 103104205270469 | 42 | 1,960 | 845 | 1,461 | Galvanized | sS | 761 | 10 |

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|-----------------|----|-------|-----|-------|------------|----|-----|----|
| 103104204270469 | 42 | 1,960 | 845 | 1,461 | Galvanized | sZ | 761 | 10 |
| 103104203270469 | 42 | 1,960 | 845 | 1,461 | Galvanized | zS | 761 | 10 |
| 103104206270469 | 42 | 1,960 | 845 | 1,461 | Galvanized | zZ | 761 | 10 |
| 103104405050469 | 44 | 1,770 | 928 | 1,448 | Bright | sS | 835 | 10 |
| 103104404050469 | 44 | 1,770 | 928 | 1,448 | Bright | sZ | 835 | 10 |
| 103104403050469 | 44 | 1,770 | 928 | 1,448 | Bright | zS | 835 | 10 |
| 103104406050469 | 44 | 1,770 | 928 | 1,448 | Bright | zZ | 835 | 10 |
| 103104405250469 | 44 | 1,770 | 928 | 1,448 | Galvanized | sS | 835 | 10 |
| 103104404250469 | 44 | 1,770 | 928 | 1,448 | Galvanized | sZ | 835 | 10 |
| 103104403250469 | 44 | 1,770 | 928 | 1,448 | Galvanized | zS | 835 | 10 |
| 103104406250469 | 44 | 1,770 | 928 | 1,448 | Galvanized | zZ | 835 | 10 |
| 103104405070469 | 44 | 1,960 | 928 | 1,603 | Bright | sS | 835 | 10 |
| 103104404070469 | 44 | 1,960 | 928 | 1,603 | Bright | sZ | 835 | 10 |
| 103104403070469 | 44 | 1,960 | 928 | 1,603 | Bright | zS | 835 | 10 |
| 103104406070469 | 44 | 1,960 | 928 | 1,603 | Bright | zZ | 835 | 10 |
| 103104405270469 | 44 | 1,960 | 928 | 1,603 | Galvanized | sS | 835 | 10 |
| 103104404270469 | 44 | 1,960 | 928 | 1,603 | Galvanized | sZ | 835 | 10 |
| 103104403270469 | 44 | 1,960 | 928 | 1,603 | Galvanized | zS | 835 | 10 |
| 103104406270469 | 44 | 1,960 | 928 | 1,603 | Galvanized | zZ | 835 | 10 |
| 103104505050469 | 45 | 1,770 | 970 | 1,515 | Bright | sS | 873 | 10 |
| 103104504050469 | 45 | 1,770 | 970 | 1,515 | Bright | sZ | 873 | 10 |
| 103104503050469 | 45 | 1,770 | 970 | 1,515 | Bright | zS | 873 | 10 |
| 103104506050469 | 45 | 1,770 | 970 | 1,515 | Bright | zZ | 873 | 10 |

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|-----------------|----|-------|-------|-------|------------|----|-----|----|
| 103104505250469 | 45 | 1,770 | 970 | 1,515 | Galvanized | sS | 873 | 10 |
| 103104504250469 | 45 | 1,770 | 970 | 1,515 | Galvanized | sZ | 873 | 10 |
| 103104503250469 | 45 | 1,770 | 970 | 1,515 | Galvanized | zS | 873 | 10 |
| 103104506250469 | 45 | 1,770 | 970 | 1,515 | Galvanized | zZ | 873 | 10 |
| 103104505070469 | 45 | 1,960 | 970 | 1,677 | Bright | sS | 873 | 10 |
| 103104504070469 | 45 | 1,960 | 970 | 1,677 | Bright | sZ | 873 | 10 |
| 103104503070469 | 45 | 1,960 | 970 | 1,677 | Bright | zS | 873 | 10 |
| 103104506070469 | 45 | 1,960 | 970 | 1,677 | Bright | zZ | 873 | 10 |
| 103104505270469 | 45 | 1,960 | 970 | 1,677 | Galvanized | sS | 873 | 10 |
| 103104504270469 | 45 | 1,960 | 970 | 1,677 | Galvanized | sZ | 873 | 10 |
| 103104503270469 | 45 | 1,960 | 970 | 1,677 | Galvanized | zS | 873 | 10 |
| 103104506270469 | 45 | 1,960 | 970 | 1,677 | Galvanized | zZ | 873 | 10 |
| 103104605050469 | 46 | 1,770 | 1,014 | 1,583 | Bright | sS | 912 | 10 |
| 103104604050469 | 46 | 1,770 | 1,014 | 1,583 | Bright | sZ | 912 | 10 |
| 103104603050469 | 46 | 1,770 | 1,014 | 1,583 | Bright | zS | 912 | 10 |
| 103104606050469 | 46 | 1,770 | 1,014 | 1,583 | Bright | zZ | 912 | 10 |
| 103104605250469 | 46 | 1,770 | 1,014 | 1,583 | Galvanized | sS | 912 | 10 |
| 103104604250469 | 46 | 1,770 | 1,014 | 1,583 | Galvanized | sZ | 912 | 10 |
| 103104603250469 | 46 | 1,770 | 1,014 | 1,583 | Galvanized | zS | 912 | 10 |
| 103104606250469 | 46 | 1,770 | 1,014 | 1,583 | Galvanized | zZ | 912 | 10 |
| 103104605070469 | 46 | 1,960 | 1,014 | 1,753 | Bright | sS | 912 | 10 |
| 103104604070469 | 46 | 1,960 | 1,014 | 1,753 | Bright | sZ | 912 | 10 |
| 103104603070469 | 46 | 1,960 | 1,014 | 1,753 | Bright | zS | 912 | 10 |

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|-----------------|----|-------|-------|-------|------------|----|-------|----|
| 103104606070469 | 46 | 1,960 | 1,014 | 1,753 | Bright | zZ | 912 | 10 |
| 103104605270469 | 46 | 1,960 | 1,014 | 1,753 | Galvanized | sS | 912 | 10 |
| 103104604270469 | 46 | 1,960 | 1,014 | 1,753 | Galvanized | sZ | 912 | 10 |
| 103104603270469 | 46 | 1,960 | 1,014 | 1,753 | Galvanized | zS | 912 | 10 |
| 103104606270469 | 46 | 1,960 | 1,014 | 1,753 | Galvanized | zZ | 912 | 10 |
| 103104805050469 | 48 | 1,770 | 1,104 | 1,723 | Bright | sS | 993 | 10 |
| 103104804050469 | 48 | 1,770 | 1,104 | 1,723 | Bright | sZ | 993 | 10 |
| 103104803050469 | 48 | 1,770 | 1,104 | 1,723 | Bright | zS | 993 | 10 |
| 103104806050469 | 48 | 1,770 | 1,104 | 1,723 | Bright | zZ | 993 | 10 |
| 103104805250469 | 48 | 1,770 | 1,104 | 1,723 | Galvanized | sS | 993 | 10 |
| 103104804250469 | 48 | 1,770 | 1,104 | 1,723 | Galvanized | sZ | 993 | 10 |
| 103104803250469 | 48 | 1,770 | 1,104 | 1,723 | Galvanized | zS | 993 | 10 |
| 103104806250469 | 48 | 1,770 | 1,104 | 1,723 | Galvanized | zZ | 993 | 10 |
| 103104805070469 | 48 | 1,960 | 1,104 | 1,908 | Bright | sS | 993 | 10 |
| 103104804070469 | 48 | 1,960 | 1,104 | 1,908 | Bright | sZ | 993 | 10 |
| 103104803070469 | 48 | 1,960 | 1,104 | 1,908 | Bright | zS | 993 | 10 |
| 103104806070469 | 48 | 1,960 | 1,104 | 1,908 | Bright | zZ | 993 | 10 |
| 103104805270469 | 48 | 1,960 | 1,104 | 1,908 | Galvanized | sS | 993 | 10 |
| 103104804270469 | 48 | 1,960 | 1,104 | 1,908 | Galvanized | sZ | 993 | 10 |
| 103104803270469 | 48 | 1,960 | 1,104 | 1,908 | Galvanized | zS | 993 | 10 |
| 103104806270469 | 48 | 1,960 | 1,104 | 1,908 | Galvanized | zZ | 993 | 10 |
| 103105005050469 | 50 | 1,770 | 1,198 | 1,870 | Bright | sS | 1,078 | 10 |
| 103105004050469 | 50 | 1,770 | 1,198 | 1,870 | Bright | sZ | 1,078 | 10 |

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|-----------------|----|-------|-------|-------|------------|----|-------|----|
| 103105003050469 | 50 | 1,770 | 1,198 | 1,870 | Bright | zS | 1,078 | 10 |
| 103105006050469 | 50 | 1,770 | 1,198 | 1,870 | Bright | zZ | 1,078 | 10 |
| 103105005250469 | 50 | 1,770 | 1,198 | 1,870 | Galvanized | sS | 1,078 | 10 |
| 103105004250469 | 50 | 1,770 | 1,198 | 1,870 | Galvanized | sZ | 1,078 | 10 |
| 103105003250469 | 50 | 1,770 | 1,198 | 1,870 | Galvanized | zS | 1,078 | 10 |
| 103105006250469 | 50 | 1,770 | 1,198 | 1,870 | Galvanized | zZ | 1,078 | 10 |
| 103105005070469 | 50 | 1,960 | 1,198 | 2,071 | Bright | sS | 1,078 | 10 |
| 103105004070469 | 50 | 1,960 | 1,198 | 2,071 | Bright | sZ | 1,078 | 10 |
| 103105003070469 | 50 | 1,960 | 1,198 | 2,071 | Bright | zS | 1,078 | 10 |
| 103105006070469 | 50 | 1,960 | 1,198 | 2,071 | Bright | zZ | 1,078 | 10 |
| 103105005270469 | 50 | 1,960 | 1,198 | 2,071 | Galvanized | sS | 1,078 | 10 |
| 103105004270469 | 50 | 1,960 | 1,198 | 2,071 | Galvanized | sZ | 1,078 | 10 |
| 103105003270469 | 50 | 1,960 | 1,198 | 2,071 | Galvanized | zS | 1,078 | 10 |
| 103105006270469 | 50 | 1,960 | 1,198 | 2,071 | Galvanized | zZ | 1,078 | 10 |
| 103105205050469 | 52 | 1,770 | 1,295 | 2,022 | Bright | sS | 1,166 | 10 |
| 103105204050469 | 52 | 1,770 | 1,295 | 2,022 | Bright | sZ | 1,166 | 10 |
| 103105203050469 | 52 | 1,770 | 1,295 | 2,022 | Bright | zS | 1,166 | 10 |
| 103105206050469 | 52 | 1,770 | 1,295 | 2,022 | Bright | zZ | 1,166 | 10 |
| 103105205250469 | 52 | 1,770 | 1,295 | 2,022 | Galvanized | sS | 1,166 | 10 |
| 103105204250469 | 52 | 1,770 | 1,295 | 2,022 | Galvanized | sZ | 1,166 | 10 |
| 103105203250469 | 52 | 1,770 | 1,295 | 2,022 | Galvanized | zS | 1,166 | 10 |
| 103105206250469 | 52 | 1,770 | 1,295 | 2,022 | Galvanized | zZ | 1,166 | 10 |
| 103105205070469 | 52 | 1,960 | 1,295 | 2,239 | Bright | sS | 1,166 | 10 |

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|-----------------|----|-------|-------|-------|------------|----|-------|----|
| 103105204070469 | 52 | 1,960 | 1,295 | 2,239 | Bright | sZ | 1,166 | 10 |
| 103105203070469 | 52 | 1,960 | 1,295 | 2,239 | Bright | zS | 1,166 | 10 |
| 103105206070469 | 52 | 1,960 | 1,295 | 2,239 | Bright | zZ | 1,166 | 10 |
| 103105205270469 | 52 | 1,960 | 1,295 | 2,239 | Galvanized | sS | 1,166 | 10 |
| 103105204270469 | 52 | 1,960 | 1,295 | 2,239 | Galvanized | sZ | 1,166 | 10 |
| 103105203270469 | 52 | 1,960 | 1,295 | 2,239 | Galvanized | zS | 1,166 | 10 |

Technical data