

Steel Wire Rope Verotop

Product information



Wire rope construction: verotop is a very flexible rotation-resistant rope with compacted strands.

Features:

- Extremely high breaking force.
- Very good fatigue properties.
- Very high resistance against flattening and wear.
- Especially suitable for multiple layer spooling.

ISO 4309 Rope Category No: All Diameters **RCN.23-2.**

Marking: According to standard

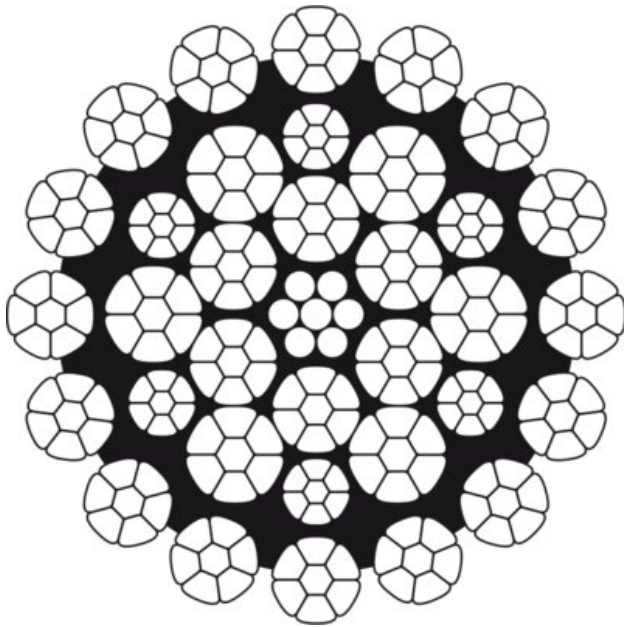
Standard: EN 12385-4

Note: Verotop can be used either with or without swivel.

Fill factor: 0,738

RCN: 23-2

Tolerance Ø: +2% to +4%



Tower crane



Mobile crane



Crawler crane



Piling crane



Truck crane



Self-erected crane



Luffing crane



Jib crane



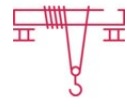
Offshore crane



Deck crane

Knuckle boom crane

Overhead cranes



| Part Code | Rope Diameter, mm | Tensile strength N/mm ² | Finish | Rope lay. | Min. Breaking force kN | Steel area mm ² | Lubrication | Weight kg/100m |
|-----------------|-------------------|------------------------------------|------------|-----------|------------------------|----------------------------|------------------|----------------|
| 104101105070129 | 11 | 1,960 | Bright | sS | 115.5 | 70 | SupplierStandard | 59 |
| 104101106070129 | 11 | 1,960 | Bright | zZ | 115.5 | 70 | SupplierStandard | 59 |
| 104101105270129 | 11 | 1,960 | Galvanized | sS | 115.5 | 70 | SupplierStandard | 59 |
| 104101105100129 | 11 | 2,160 | Bright | sS | 118.6 | 70 | SupplierStandard | 59 |
| 104101106100129 | 11 | 2,160 | Bright | zZ | 118.6 | 70 | SupplierStandard | 59 |
| 104101105300129 | 11 | 2,160 | Galvanized | sS | 118.6 | 70 | SupplierStandard | 59 |
| 104101106300129 | 11 | 2,160 | Galvanized | zZ | 118.6 | 70 | SupplierStandard | 59 |
| 104101205070129 | 12 | 1,960 | Bright | sS | 137.4 | 83 | SupplierStandard | 71 |
| 104101206070129 | 12 | 1,960 | Bright | zZ | 137.4 | 83 | SupplierStandard | 71 |
| 104101205270129 | 12 | 1,960 | Galvanized | sS | 137.4 | 83 | SupplierStandard | 71 |
| 104101206270129 | 12 | 1,960 | Galvanized | zZ | 137.4 | 83 | SupplierStandard | 71 |
| 104101205100129 | 12 | 2,160 | Bright | sS | 141.2 | 83 | SupplierStandard | 71 |
| 104101206100129 | 12 | 2,160 | Bright | zZ | 141.2 | 83 | SupplierStandard | 71 |
| 104101205300129 | 12 | 2,160 | Galvanized | sS | 141.2 | 83 | SupplierStandard | 71 |
| 104101206300129 | 12 | 2,160 | Galvanized | zZ | 141.2 | 83 | SupplierStandard | 71 |
| 104101275070129 | 12.7 | 1,960 | Bright | sS | 153.9 | 93 | SupplierStandard | 79 |
| 104101276070129 | 12.7 | 1,960 | Bright | zZ | 153.9 | 93 | SupplierStandard | 79 |
| 104101275270129 | 12.7 | 1,960 | Galvanized | sS | 153.9 | 93 | SupplierStandard | 79 |

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| 104101276270129 | 12.7 | 1,960 | Galvanized | zZ | 153.9 | 93 | SupplierStandard | 79 |
| 104101275100129 | 12.7 | 2,160 | Bright | sS | 158.1 | 93 | SupplierStandard | 79 |
| 104101276100129 | 12.7 | 2,160 | Bright | zZ | 158.1 | 93 | SupplierStandard | 79 |
| 104101275300129 | 12.7 | 2,160 | Galvanized | sS | 158.1 | 93 | SupplierStandard | 79 |
| 104101276300129 | 12.7 | 2,160 | Galvanized | zZ | 158.1 | 93 | SupplierStandard | 79 |
| 104101305070129 | 13 | 1,960 | Bright | sS | 161.3 | 98 | SupplierStandard | 83 |
| 104101306070129 | 13 | 1,960 | Bright | zZ | 161.3 | 98 | SupplierStandard | 83 |
| 104101305270129 | 13 | 1,960 | Galvanized | sS | 161.3 | 98 | SupplierStandard | 83 |
| 104101306270129 | 13 | 1,960 | Galvanized | zZ | 161.3 | 98 | SupplierStandard | 83 |
| 104101305100129 | 13 | 2,160 | Bright | sS | 165.7 | 98 | SupplierStandard | 83 |
| 104101306100129 | 13 | 2,160 | Bright | zZ | 165.7 | 98 | SupplierStandard | 83 |
| 104101305300129 | 13 | 2,160 | Galvanized | sS | 165.7 | 98 | SupplierStandard | 83 |
| 104101306300129 | 13 | 2,160 | Galvanized | zZ | 165.7 | 98 | SupplierStandard | 83 |
| 104101405070129 | 14 | 1,960 | Bright | sS | 187 | 114 | SupplierStandard | 96 |
| 104101406070129 | 14 | 1,960 | Bright | zZ | 187 | 114 | SupplierStandard | 96 |
| 104101405270129 | 14 | 1,960 | Galvanized | sS | 187 | 114 | SupplierStandard | 96 |
| 104101406270129 | 14 | 1,960 | Galvanized | zZ | 187 | 114 | SupplierStandard | 96 |
| 104101405100129 | 14 | 2,160 | Bright | sS | 192.2 | 114 | SupplierStandard | 96 |
| 104101406100129 | 14 | 2,160 | Bright | zZ | 192.2 | 114 | SupplierStandard | 96 |
| 104101405300129 | 14 | 2,160 | Galvanized | sS | 192.2 | 114 | SupplierStandard | 96 |
| 104101406300129 | 14 | 2,160 | Galvanized | zZ | 192.2 | 114 | SupplierStandard | 96 |
| 104101505070129 | 15 | 1,960 | Bright | sS | 214.7 | 130 | SupplierStandard | 110 |
| 104101506070129 | 15 | 1,960 | Bright | zZ | 214.7 | 130 | SupplierStandard | 110 |

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| 104101505270129 | 15 | 1,960 | Galvanized | sS | 214.7 | 130 | SupplierStandard | 110 |
| 104101506270129 | 15 | 1,960 | Galvanized | zZ | 214.7 | 130 | SupplierStandard | 110 |
| 104101505100129 | 15 | 2,160 | Bright | sS | 220.6 | 130 | SupplierStandard | 110 |
| 104101506100129 | 15 | 2,160 | Bright | zZ | 220.6 | 130 | SupplierStandard | 110 |
| 104101505300129 | 15 | 2,160 | Galvanized | sS | 220.6 | 130 | SupplierStandard | 110 |
| 104101506300129 | 15 | 2,160 | Galvanized | zZ | 220.6 | 130 | SupplierStandard | 110 |
| 104101605070129 | 16 | 1,960 | Bright | sS | 244.3 | 148 | SupplierStandard | 125 |
| 104101606070129 | 16 | 1,960 | Bright | zZ | 244.3 | 148 | SupplierStandard | 125 |
| 104101605270129 | 16 | 1,960 | Galvanized | sS | 244.3 | 148 | SupplierStandard | 125 |
| 104101606270129 | 16 | 1,960 | Galvanized | zZ | 244.3 | 148 | SupplierStandard | 125 |
| 104101605100129 | 16 | 2,160 | Bright | sS | 251 | 148 | SupplierStandard | 125 |
| 104101606100129 | 16 | 2,160 | Bright | zZ | 251 | 148 | SupplierStandard | 125 |
| 104101605300129 | 16 | 2,160 | Galvanized | sS | 251 | 148 | SupplierStandard | 125 |
| 104101606300129 | 16 | 2,160 | Galvanized | zZ | 251 | 148 | SupplierStandard | 125 |
| 104101705070129 | 17 | 1,960 | Bright | sS | 275.8 | 168 | SupplierStandard | 142 |
| 104101706070129 | 17 | 1,960 | Bright | zZ | 275.8 | 168 | SupplierStandard | 142 |
| 104101705270129 | 17 | 1,960 | Galvanized | sS | 275.8 | 168 | SupplierStandard | 142 |
| 104101706270129 | 17 | 1,960 | Galvanized | zZ | 275.8 | 168 | SupplierStandard | 142 |
| 104101705100129 | 17 | 2,160 | Bright | sS | 283.3 | 168 | SupplierStandard | 142 |
| 104101706100129 | 17 | 2,160 | Bright | zZ | 283.3 | 168 | SupplierStandard | 142 |
| 104101705300129 | 17 | 2,160 | Galvanized | sS | 283.3 | 168 | SupplierStandard | 142 |
| 104101706300129 | 17 | 2,160 | Galvanized | zZ | 283.3 | 168 | SupplierStandard | 142 |
| 104101805070129 | 18 | 1,960 | Bright | sS | 309.2 | 188 | SupplierStandard | 159 |

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| 104101806070129 | 18 | 1,960 | Bright | zZ | 309.2 | 188 | SupplierStandard | 159 |
| 104101805270129 | 18 | 1,960 | Galvanized | sS | 309.2 | 188 | SupplierStandard | 159 |
| 104101806270129 | 18 | 1,960 | Galvanized | zZ | 309.2 | 188 | SupplierStandard | 159 |
| 104101805100129 | 18 | 2,160 | Bright | sS | 317.7 | 188 | SupplierStandard | 159 |
| 104101806100129 | 18 | 2,160 | Bright | zZ | 317.7 | 188 | SupplierStandard | 159 |
| 104101805300129 | 18 | 2,160 | Galvanized | sS | 317.7 | 188 | SupplierStandard | 159 |
| 104101806300129 | 18 | 2,160 | Galvanized | zZ | 317.7 | 188 | SupplierStandard | 159 |
| 104101905070129 | 19 | 1,960 | Bright | sS | 344.5 | 209 | SupplierStandard | 177 |
| 104101906070129 | 19 | 1,960 | Bright | zZ | 344.5 | 209 | SupplierStandard | 177 |
| 104101905270129 | 19 | 1,960 | Galvanized | sS | 344.5 | 209 | SupplierStandard | 177 |
| 104101906270129 | 19 | 1,960 | Galvanized | zZ | 344.5 | 209 | SupplierStandard | 177 |
| 104101905100129 | 19 | 2,160 | Bright | sS | 353.9 | 209 | SupplierStandard | 177 |
| 104101906100129 | 19 | 2,160 | Bright | zZ | 353.9 | 209 | SupplierStandard | 177 |
| 104101905300129 | 19 | 2,160 | Galvanized | sS | 353.9 | 209 | SupplierStandard | 177 |
| 104101906300129 | 19 | 2,160 | Galvanized | zZ | 353.9 | 209 | SupplierStandard | 177 |
| 104102005070129 | 20 | 1,960 | Bright | sS | 381.7 | 232 | SupplierStandard | 196 |
| 104102006070129 | 20 | 1,960 | Bright | zZ | 381.7 | 232 | SupplierStandard | 196 |
| 104102005270129 | 20 | 1,960 | Galvanized | sS | 381.7 | 232 | SupplierStandard | 196 |
| 104102006270129 | 20 | 1,960 | Galvanized | zZ | 381.7 | 232 | SupplierStandard | 196 |
| 104102005100129 | 20 | 2,160 | Bright | sS | 392.2 | 232 | SupplierStandard | 196 |
| 104102006100129 | 20 | 2,160 | Bright | zZ | 392.2 | 232 | SupplierStandard | 196 |
| 104102005300129 | 20 | 2,160 | Galvanized | sS | 392.2 | 232 | SupplierStandard | 196 |
| 104102006300129 | 20 | 2,160 | Galvanized | zZ | 392.2 | 232 | SupplierStandard | 196 |

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| 104102105070129 | 21 | 1,960 | Bright | sS | 420.8 | 256 | SupplierStandard | 216 |
| 104102106070129 | 21 | 1,960 | Bright | zZ | 420.8 | 256 | SupplierStandard | 216 |
| 104102105270129 | 21 | 1,960 | Galvanized | sS | 420.8 | 256 | SupplierStandard | 216 |
| 104102106270129 | 21 | 1,960 | Galvanized | zZ | 420.8 | 256 | SupplierStandard | 216 |
| 104102105100129 | 21 | 2,160 | Bright | sS | 432.4 | 256 | SupplierStandard | 216 |
| 104102106100129 | 21 | 2,160 | Bright | zZ | 432.4 | 256 | SupplierStandard | 216 |
| 104102105300129 | 21 | 2,160 | Galvanized | sS | 432.4 | 256 | SupplierStandard | 216 |
| 104102106300129 | 21 | 2,160 | Galvanized | zZ | 432.4 | 256 | SupplierStandard | 216 |
| 104102205070129 | 22 | 1,960 | Bright | sS | 461.9 | 281 | SupplierStandard | 237 |
| 104102206070129 | 22 | 1,960 | Bright | zZ | 461.9 | 281 | SupplierStandard | 237 |
| 104102205270129 | 22 | 1,960 | Galvanized | sS | 461.9 | 281 | SupplierStandard | 237 |
| 104102206270129 | 22 | 1,960 | Galvanized | zZ | 461.9 | 281 | SupplierStandard | 237 |
| 104102205100129 | 22 | 2,160 | Bright | sS | 474.5 | 281 | SupplierStandard | 237 |
| 104102206100129 | 22 | 2,160 | Bright | zZ | 474.5 | 281 | SupplierStandard | 237 |
| 104102205300129 | 22 | 2,160 | Galvanized | sS | 474.5 | 281 | SupplierStandard | 237 |
| 104102206300129 | 22 | 2,160 | Galvanized | zZ | 474.5 | 281 | SupplierStandard | 237 |
| 104102245070129 | 22.4 | 1,960 | Bright | sS | 478.8 | 286 | SupplierStandard | 245 |
| 104102246070129 | 22.4 | 1,960 | Bright | zZ | 487.8 | 286 | SupplierStandard | 245 |
| 104102245270129 | 22.4 | 1,960 | Galvanized | sS | 487.8 | 286 | SupplierStandard | 245 |
| 104102246270129 | 22.4 | 1,960 | Galvanized | zZ | 487.8 | 286 | SupplierStandard | 245 |
| 104102245100129 | 22.4 | 2,160 | Bright | sS | 491.9 | 286 | SupplierStandard | 245 |
| 104102246100129 | 22.4 | 2,160 | Bright | zZ | 491.9 | 286 | SupplierStandard | 245 |
| 104102245300129 | 22.4 | 2,160 | Galvanized | sS | 491.9 | 286 | SupplierStandard | 245 |

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| 104102246300129 | 22.4 | 2,160 | Galvanized | zZ | 491.9 | 286 | SupplierStandard | 245 |
| 104102305070129 | 23 | 1,960 | Bright | sS | 504.8 | 307 | SupplierStandard | 259 |
| 104102306070129 | 23 | 1,960 | Bright | zZ | 504.8 | 307 | SupplierStandard | 259 |
| 104102305270129 | 23 | 1,960 | Galvanized | sS | 504.8 | 307 | SupplierStandard | 259 |
| 104102306270129 | 23 | 1,960 | Galvanized | zZ | 504.8 | 307 | SupplierStandard | 259 |
| 104102305100129 | 23 | 2,160 | Bright | sS | 518.6 | 307 | SupplierStandard | 259 |
| 104102306100129 | 23 | 2,160 | Bright | zZ | 518.6 | 307 | SupplierStandard | 259 |
| 104102305300129 | 23 | 2,160 | Galvanized | sS | 518.6 | 307 | SupplierStandard | 259 |
| 104102306300129 | 23 | 2,160 | Galvanized | zZ | 518.6 | 307 | SupplierStandard | 259 |
| 104102405070129 | 24 | 1,960 | Bright | sS | 549.7 | 334 | SupplierStandard | 282 |
| 104102406070129 | 24 | 1,960 | Bright | zZ | 549.7 | 334 | SupplierStandard | 282 |
| 104102405270129 | 24 | 1,960 | Galvanized | sS | 549.7 | 334 | SupplierStandard | 282 |
| 104102406270129 | 24 | 1,960 | Galvanized | zZ | 549.7 | 334 | SupplierStandard | 282 |
| 104102405100129 | 24 | 2,160 | Bright | sS | 564.7 | 334 | SupplierStandard | 282 |
| 104102406100129 | 24 | 2,160 | Bright | zZ | 564.7 | 334 | SupplierStandard | 282 |
| 104102405300129 | 24 | 2,160 | Galvanized | sS | 564.7 | 334 | SupplierStandard | 282 |
| 104102406300129 | 24 | 2,160 | Galvanized | zZ | 564.7 | 334 | SupplierStandard | 282 |
| 104102505070129 | 25 | 1,960 | Bright | sS | 596.4 | 362 | SupplierStandard | 306 |
| 104102506070129 | 25 | 1,960 | Bright | zZ | 596.4 | 362 | SupplierStandard | 306 |
| 104102505270129 | 25 | 1,960 | Galvanized | sS | 596.4 | 362 | SupplierStandard | 306 |
| 104102506270129 | 25 | 1,960 | Galvanized | zZ | 596.4 | 362 | SupplierStandard | 306 |
| 104102505100129 | 25 | 2,160 | Bright | sS | 612.8 | 362 | SupplierStandard | 306 |
| 104102506100129 | 25 | 2,160 | Bright | zZ | 612.8 | 362 | SupplierStandard | 306 |

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| 104102505300129 | 25 | 2,160 | Galvanized | sS | 612.8 | 362 | SupplierStandard | 306 |
| 104102506300129 | 25 | 2,160 | Galvanized | zZ | 612.8 | 362 | SupplierStandard | 306 |
| 104102545070129 | 25.4 | 1,960 | Bright | sS | 615.7 | 374 | SupplierStandard | 316 |
| 104102546070129 | 25.4 | 1,960 | Bright | zZ | 615.7 | 374 | SupplierStandard | 316 |
| 104102545270129 | 25.4 | 1,960 | Galvanized | sS | 615.7 | 374 | SupplierStandard | 316 |
| 104102546270129 | 25.4 | 1,960 | Galvanized | zZ | 615.7 | 374 | SupplierStandard | 316 |
| 104102545100129 | 25.4 | 2,160 | Bright | sS | 632.5 | 374 | SupplierStandard | 316 |
| 104102546100129 | 25.4 | 2,160 | Bright | zZ | 632.5 | 374 | SupplierStandard | 316 |
| 104102545300129 | 25.4 | 2,160 | Galvanized | sS | 632.5 | 374 | SupplierStandard | 316 |
| 104102546300129 | 25.4 | 2,160 | Galvanized | zZ | 632.5 | 374 | SupplierStandard | 316 |
| 104102605070129 | 26 | 1,960 | Bright | sS | 645.1 | 392 | SupplierStandard | 331 |
| 104102606070129 | 26 | 1,960 | Bright | zZ | 645.1 | 392 | SupplierStandard | 331 |
| 104102605270129 | 26 | 1,960 | Galvanized | sS | 645.1 | 392 | SupplierStandard | 331 |
| 104102606270129 | 26 | 1,960 | Galvanized | zZ | 645.1 | 392 | SupplierStandard | 331 |
| 104102605100129 | 26 | 2,160 | Bright | sS | 662.8 | 392 | SupplierStandard | 331 |
| 104102606100129 | 26 | 2,160 | Bright | zZ | 662.8 | 392 | SupplierStandard | 331 |
| 104102605300129 | 26 | 2,160 | Galvanized | sS | 662.8 | 392 | SupplierStandard | 331 |
| 104102606300129 | 26 | 2,160 | Galvanized | zZ | 662.8 | 392 | SupplierStandard | 331 |
| 104102705070129 | 27 | 1,960 | Bright | sS | 695.7 | 423 | SupplierStandard | 357 |
| 104102706070129 | 27 | 1,960 | Bright | zZ | 695.7 | 423 | SupplierStandard | 357 |
| 104102705270129 | 27 | 1,960 | Galvanized | sS | 695.7 | 423 | SupplierStandard | 357 |
| 104102706270129 | 27 | 1,960 | Galvanized | zZ | 695.7 | 423 | SupplierStandard | 357 |
| 104102705100129 | 27 | 2,160 | Bright | sS | 714.7 | 423 | SupplierStandard | 357 |

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| 104102706100129 | 27 | 2,160 | Bright | zZ | 714.7 | 423 | SupplierStandard | 357 |
| 104102705300129 | 27 | 2,160 | Galvanized | sS | 714.7 | 423 | SupplierStandard | 357 |
| 104102706300129 | 27 | 2,160 | Galvanized | zZ | 714.7 | 423 | SupplierStandard | 357 |
| 104102805070129 | 28 | 1,960 | Bright | sS | 748.2 | 454 | SupplierStandard | 384 |
| 104102806070129 | 28 | 1,960 | Bright | zZ | 748.2 | 454 | SupplierStandard | 384 |
| 104102805270129 | 28 | 1,960 | Galvanized | sS | 748.2 | 454 | SupplierStandard | 384 |
| 104102806270129 | 28 | 1,960 | Galvanized | zZ | 748.2 | 454 | SupplierStandard | 384 |
| 104102805100129 | 28 | 2,160 | Bright | sS | 768.7 | 454 | SupplierStandard | 384 |
| 104102806100129 | 28 | 2,160 | Bright | zZ | 768.7 | 454 | SupplierStandard | 384 |
| 104102805300129 | 28 | 2,160 | Galvanized | sS | 768.7 | 454 | SupplierStandard | 384 |
| 104102806300129 | 28 | 2,160 | Galvanized | zZ | 768.7 | 454 | SupplierStandard | 384 |
| 104102865070129 | 28.6 | 1,960 | Bright | sS | 780.6 | 474 | SupplierStandard | 401 |
| 104102866070129 | 28.6 | 1,960 | Bright | zZ | 780.6 | 474 | SupplierStandard | 401 |
| 104102865270129 | 28.6 | 1,960 | Galvanized | sS | 780.6 | 474 | SupplierStandard | 401 |
| 104102866270129 | 28.6 | 1,960 | Galvanized | zZ | 780.6 | 474 | SupplierStandard | 401 |
| 104102865100129 | 28.6 | 2,160 | Bright | sS | 802 | 474 | SupplierStandard | 401 |
| 104102866100129 | 28.6 | 2,160 | Bright | zZ | 802 | 474 | SupplierStandard | 401 |
| 104102865300129 | 28.6 | 2,160 | Galvanized | sS | 802 | 474 | SupplierStandard | 401 |
| 104102866300129 | 28.6 | 2,160 | Galvanized | zZ | 802 | 474 | SupplierStandard | 401 |
| 104102905070129 | 29 | 1,960 | Bright | sS | 802.6 | 487 | SupplierStandard | 412 |
| 104102906070129 | 29 | 1,960 | Bright | zZ | 802.6 | 487 | SupplierStandard | 412 |
| 104102905270129 | 29 | 1,960 | Galvanized | sS | 802.6 | 487 | SupplierStandard | 412 |
| 104102906270129 | 29 | 1,960 | Galvanized | zZ | 802.6 | 487 | SupplierStandard | 412 |

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| 104102905100129 | 29 | 2,160 | Bright | sS | 824.5 | 487 | SupplierStandard | 412 |
| 104102906100129 | 29 | 2,160 | Bright | zZ | 824.5 | 487 | SupplierStandard | 412 |
| 104102905300129 | 29 | 2,160 | Galvanized | sS | 824.5 | 487 | SupplierStandard | 412 |
| 104102906300129 | 29 | 2,160 | Galvanized | zZ | 824.5 | 487 | SupplierStandard | 412 |
| 104103005070129 | 30 | 1,960 | Bright | sS | 858.9 | 522 | SupplierStandard | 441 |
| 104103006070129 | 30 | 1,960 | Bright | zZ | 858.9 | 522 | SupplierStandard | 441 |
| 104103005270129 | 30 | 1,960 | Galvanized | sS | 858.9 | 522 | SupplierStandard | 441 |
| 104103006270129 | 30 | 1,960 | Galvanized | zZ | 858.9 | 522 | SupplierStandard | 441 |
| 104103005100129 | 30 | 2,160 | Bright | sS | 882.4 | 522 | SupplierStandard | 441 |
| 104103006100129 | 30 | 2,160 | Bright | zZ | 882.4 | 522 | SupplierStandard | 441 |
| 104103005300129 | 30 | 2,160 | Galvanized | sS | 882.4 | 522 | SupplierStandard | 441 |
| 104103006300129 | 30 | 2,160 | Galvanized | zZ | 882.4 | 522 | SupplierStandard | 441 |
| 104103105070129 | 31 | 1,960 | Bright | sS | 917.1 | 557 | SupplierStandard | 471 |
| 104103106070129 | 31 | 1,960 | Bright | zZ | 917.1 | 557 | SupplierStandard | 471 |
| 104103105270129 | 31 | 1,960 | Galvanized | sS | 917.1 | 557 | SupplierStandard | 471 |
| 104103106270129 | 31 | 1,960 | Galvanized | zZ | 917.1 | 557 | SupplierStandard | 471 |
| 104103105100129 | 31 | 2,160 | Bright | sS | 942.2 | 557 | SupplierStandard | 471 |
| 104103106100129 | 31 | 2,160 | Bright | zZ | 942.2 | 557 | SupplierStandard | 471 |
| 104103105300129 | 31 | 2,160 | Galvanized | sS | 942.2 | 557 | SupplierStandard | 471 |
| 104103106300129 | 31 | 2,160 | Galvanized | zZ | 942.2 | 557 | SupplierStandard | 471 |
| 104103205070129 | 32 | 1,960 | Bright | sS | 977.2 | 594 | SupplierStandard | 502 |
| 104103206070129 | 32 | 1,960 | Bright | zZ | 977.2 | 594 | SupplierStandard | 502 |
| 104103205270129 | 32 | 1,960 | Galvanized | sS | 977.2 | 594 | SupplierStandard | 502 |

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| 104103206270129 | 32 | 1,960 | Galvanized | zZ | 977.2 | 594 | SupplierStandard | 502 |
| 104103205100129 | 32 | 2,160 | Bright | sS | 1,004 | 594 | SupplierStandard | 502 |
| 104103206100129 | 32 | 2,160 | Bright | zZ | 1,004 | 594 | SupplierStandard | 502 |
| 104103205300129 | 32 | 2,160 | Galvanized | sS | 1,004 | 594 | SupplierStandard | 502 |
| 104103206300129 | 32 | 2,160 | Galvanized | zZ | 1,004 | 594 | SupplierStandard | 502 |
| 104103305070129 | 33 | 1,960 | Bright | sS | 1,039 | 631 | SupplierStandard | 533 |
| 104103306070129 | 33 | 1,960 | Bright | zZ | 1,039 | 631 | SupplierStandard | 533 |
| 104103305270129 | 33 | 1,960 | Galvanized | sS | 1,039 | 631 | SupplierStandard | 533 |
| 104103306270129 | 33 | 1,960 | Galvanized | zZ | 1,039 | 631 | SupplierStandard | 533 |
| 104103305100129 | 33 | 2,160 | Bright | sS | 1,068 | 631 | SupplierStandard | 533 |
| 104103306100129 | 33 | 2,160 | Bright | zZ | 1,068 | 631 | SupplierStandard | 533 |
| 104103305300129 | 33 | 2,160 | Galvanized | sS | 1,068 | 631 | SupplierStandard | 533 |
| 104103306300129 | 33 | 2,160 | Galvanized | zZ | 1,068 | 631 | SupplierStandard | 533 |
| 104103405070129 | 34 | 1,960 | Bright | sS | 1,103 | 670 | SupplierStandard | 566 |
| 104103406070129 | 34 | 1,960 | Bright | zZ | 1,103 | 670 | SupplierStandard | 566 |
| 104103405270129 | 34 | 1,960 | Galvanized | sS | 1,103 | 670 | SupplierStandard | 566 |
| 104103406270129 | 34 | 1,960 | Galvanized | zZ | 1,103 | 670 | SupplierStandard | 566 |
| 104103405100129 | 34 | 2,160 | Bright | sS | 1,133 | 670 | SupplierStandard | 566 |
| 104103406100129 | 34 | 2,160 | Bright | zZ | 1,133 | 670 | SupplierStandard | 566 |
| 104103405300129 | 34 | 2,160 | Galvanized | sS | 1,133 | 670 | SupplierStandard | 566 |
| 104103406300129 | 34 | 2,160 | Galvanized | zZ | 1,133 | 670 | SupplierStandard | 566 |
| 104103505070129 | 35 | 1,960 | Bright | sS | 1,169 | 710 | SupplierStandard | 600 |
| 104103506070129 | 35 | 1,960 | Bright | zZ | 1,169 | 710 | SupplierStandard | 600 |

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|-----------------|----|-------|------------|----|-------|-----|------------------|-----|
| 104103505270129 | 35 | 1,960 | Galvanized | sS | 1,169 | 710 | SupplierStandard | 600 |
| 104103506270129 | 35 | 1,960 | Galvanized | zZ | 1,169 | 710 | SupplierStandard | 600 |
| 104103505100129 | 35 | 2,160 | Bright | sS | 1,201 | 710 | SupplierStandard | 600 |
| 104103506100129 | 35 | 2,160 | Bright | zZ | 1,201 | 710 | SupplierStandard | 600 |
| 104103505300129 | 35 | 2,160 | Galvanized | sS | 1,201 | 710 | SupplierStandard | 600 |
| 104103506300129 | 35 | 2,160 | Galvanized | zZ | 1,201 | 710 | SupplierStandard | 600 |
| 104103605070129 | 36 | 1,960 | Bright | sS | 1,237 | 751 | SupplierStandard | 635 |
| 104103606070129 | 36 | 1,960 | Bright | zZ | 1,237 | 751 | SupplierStandard | 635 |
| 104103605270129 | 36 | 1,960 | Galvanized | sS | 1,237 | 751 | SupplierStandard | 635 |
| 104103606270129 | 36 | 1,960 | Galvanized | zZ | 1,237 | 751 | SupplierStandard | 635 |
| 104103605100129 | 36 | 2,160 | Bright | sS | 1,271 | 751 | SupplierStandard | 635 |
| 104103606100129 | 36 | 2,160 | Bright | zZ | 1,271 | 751 | SupplierStandard | 635 |
| 104103605300129 | 36 | 2,160 | Galvanized | sS | 1,271 | 751 | SupplierStandard | 635 |
| 104103606300129 | 36 | 2,160 | Galvanized | zZ | 1,271 | 751 | SupplierStandard | 635 |
| 104103805070129 | 38 | 1,960 | Bright | sS | 1,378 | 837 | SupplierStandard | 707 |
| 104103806070129 | 38 | 1,960 | Bright | zZ | 1,378 | 837 | SupplierStandard | 707 |
| 104103805270129 | 38 | 1,960 | Galvanized | sS | 1,378 | 837 | SupplierStandard | 707 |
| 104103806270129 | 38 | 1,960 | Galvanized | zZ | 1,378 | 837 | SupplierStandard | 707 |
| 104103805100129 | 38 | 2,160 | Bright | sS | 1,416 | 837 | SupplierStandard | 707 |
| 104103806100129 | 38 | 2,160 | Bright | zZ | 1,416 | 837 | SupplierStandard | 707 |
| 104103805300129 | 38 | 2,160 | Galvanized | sS | 1,416 | 837 | SupplierStandard | 707 |
| 104103806300129 | 38 | 2,160 | Galvanized | zZ | 1,416 | 837 | SupplierStandard | 707 |
| 104104005070129 | 40 | 1,960 | Bright | sS | 1,527 | 927 | SupplierStandard | 784 |

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|-----------------|----|-------|------------|----|-------|-------|------------------|-----|
| 104104006070129 | 40 | 1,960 | Bright | zZ | 1,527 | 927 | SupplierStandard | 784 |
| 104104005270129 | 40 | 1,960 | Galvanized | sS | 1,527 | 927 | SupplierStandard | 784 |
| 104104006270129 | 40 | 1,960 | Galvanized | zZ | 1,527 | 927 | SupplierStandard | 784 |
| 104104005100129 | 40 | 2,160 | Bright | sS | 1,569 | 927 | SupplierStandard | 784 |
| 104104006100129 | 40 | 2,160 | Bright | zZ | 1,569 | 927 | SupplierStandard | 784 |
| 104104005300129 | 40 | 2,160 | Galvanized | sS | 1,569 | 927 | SupplierStandard | 784 |
| 104104006300129 | 40 | 2,160 | Galvanized | zZ | 1,569 | 927 | SupplierStandard | 784 |
| 104104105070129 | 41 | 1,960 | Bright | sS | 1,604 | 974 | SupplierStandard | 823 |
| 104104106070129 | 41 | 1,960 | Bright | zZ | 1,604 | 974 | SupplierStandard | 823 |
| 104104105270129 | 41 | 1,960 | Galvanized | sS | 1,604 | 974 | SupplierStandard | 823 |
| 104104106270129 | 41 | 1,960 | Galvanized | zZ | 1,604 | 974 | SupplierStandard | 823 |
| 104104105100129 | 41 | 2,160 | Bright | sS | 1,648 | 974 | SupplierStandard | 823 |
| 104104106100129 | 41 | 2,160 | Bright | zZ | 1,648 | 974 | SupplierStandard | 823 |
| 104104105300129 | 41 | 2,160 | Galvanized | sS | 1,648 | 974 | SupplierStandard | 823 |
| 104104106300129 | 41 | 2,160 | Galvanized | zZ | 1,648 | 974 | SupplierStandard | 823 |
| 104104205070129 | 42 | 1,960 | Bright | sS | 1,683 | 1,022 | SupplierStandard | 864 |
| 104104206070129 | 42 | 1,960 | Bright | zZ | 1,683 | 1,022 | SupplierStandard | 864 |
| 104104205270129 | 42 | 1,960 | Galvanized | sS | 1,683 | 1,022 | SupplierStandard | 864 |
| 104104206270129 | 42 | 1,960 | Galvanized | zZ | 1,683 | 1,022 | SupplierStandard | 864 |
| 104104205100129 | 42 | 2,160 | Bright | sS | 1,729 | 1,022 | SupplierStandard | 864 |
| 104104206100129 | 42 | 2,160 | Bright | zZ | 1,729 | 1,022 | SupplierStandard | 864 |
| 104104205300129 | 42 | 2,160 | Galvanized | sS | 1,729 | 1,022 | SupplierStandard | 864 |
| 104104206300129 | 42 | 2,160 | Galvanized | zZ | 1,729 | 1,022 | SupplierStandard | 864 |

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|-----------------|----|-------|------------|----|-------|-------|------------------|-----|
| 104104305070129 | 43 | 1,960 | Bright | sS | 1,764 | 1,072 | SupplierStandard | 906 |
| 104104306070129 | 43 | 1,960 | Bright | zZ | 1,764 | 1,072 | SupplierStandard | 906 |
| 104104305270129 | 43 | 1,960 | Galvanized | sS | 1,764 | 1,072 | SupplierStandard | 906 |
| 104104306270129 | 43 | 1,960 | Galvanized | zZ | 1,764 | 1,072 | SupplierStandard | 906 |
| 104104305100129 | 43 | 2,160 | Bright | sS | 1,813 | 1,072 | SupplierStandard | 906 |
| 104104306100129 | 43 | 2,160 | Bright | zZ | 1,813 | 1,072 | SupplierStandard | 906 |
| 104104305300129 | 43 | 2,160 | Galvanized | sS | 1,813 | 1,072 | SupplierStandard | 906 |
| 104104306300129 | 43 | 2,160 | Galvanized | zZ | 1,813 | 1,072 | SupplierStandard | 906 |
| 104104405070129 | 44 | 1,960 | Bright | sS | 1,848 | 1,122 | SupplierStandard | 948 |
| 104104406070129 | 44 | 1,960 | Bright | zZ | 1,848 | 1,122 | SupplierStandard | 948 |
| 104104405270129 | 44 | 1,960 | Galvanized | sS | 1,848 | 1,122 | SupplierStandard | 948 |
| 104104406270129 | 44 | 1,960 | Galvanized | zZ | 1,848 | 1,122 | SupplierStandard | 948 |
| 104104405100129 | 44 | 2,160 | Bright | sS | 1,898 | 1,122 | SupplierStandard | 948 |
| 104104406100129 | 44 | 2,160 | Bright | zZ | 1,898 | 1,122 | SupplierStandard | 948 |
| 104104405300129 | 44 | 2,160 | Galvanized | sS | 1,898 | 1,122 | SupplierStandard | 948 |
| 104104406300129 | 44 | 2,160 | Galvanized | zZ | 1,898 | 1,122 | SupplierStandard | 948 |
| 104104505070129 | 45 | 1,960 | Bright | sS | 1,932 | 1,174 | SupplierStandard | 992 |
| 104104506070129 | 45 | 1,960 | Bright | zZ | 1,932 | 1,174 | SupplierStandard | 992 |
| 104104505270129 | 45 | 1,960 | Galvanized | sS | 1,932 | 1,174 | SupplierStandard | 992 |
| 104104506270129 | 45 | 1,960 | Galvanized | zZ | 1,932 | 1,174 | SupplierStandard | 992 |
| 104104505100129 | 45 | 2,160 | Bright | sS | 1,985 | 1,174 | SupplierStandard | 992 |
| 104104506100129 | 45 | 2,160 | Bright | zZ | 1,985 | 1,174 | SupplierStandard | 992 |
| 104104505300129 | 45 | 2,160 | Galvanized | sS | 1,985 | 1,174 | SupplierStandard | 992 |

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|-----------------|----|-------|------------|----|-------|-------|------------------|-------|
| 104104506300129 | 45 | 2,160 | Galvanized | zZ | 1,985 | 1,174 | SupplierStandard | 992 |
| 104104605070129 | 46 | 1,960 | Bright | sS | 2,019 | 1,226 | SupplierStandard | 1,036 |
| 104104606070129 | 46 | 1,960 | Bright | zZ | 2,019 | 1,226 | SupplierStandard | 1,036 |
| 104104605270129 | 46 | 1,960 | Galvanized | sS | 2,019 | 1,226 | SupplierStandard | 1,036 |
| 104104606270129 | 46 | 1,960 | Galvanized | zZ | 2,019 | 1,226 | SupplierStandard | 1,036 |
| 104104605100129 | 46 | 2,160 | Bright | sS | 2,075 | 1,226 | SupplierStandard | 1,036 |
| 104104606100129 | 46 | 2,160 | Bright | zZ | 2,075 | 1,226 | SupplierStandard | 1,036 |
| 104104605300129 | 46 | 2,160 | Galvanized | sS | 2,075 | 1,226 | SupplierStandard | 1,036 |
| 104104606300129 | 46 | 2,160 | Galvanized | zZ | 2,075 | 1,226 | SupplierStandard | 1,036 |
| 104104805070129 | 48 | 1,960 | Bright | sS | 2,199 | 1,335 | SupplierStandard | 1,129 |
| 104104806070129 | 48 | 1,960 | Bright | zZ | 2,199 | 1,335 | SupplierStandard | 1,129 |
| 104104805270129 | 48 | 1,960 | Galvanized | sS | 2,199 | 1,335 | SupplierStandard | 1,129 |
| 104104806270129 | 48 | 1,960 | Galvanized | zZ | 2,199 | 1,335 | SupplierStandard | 1,129 |
| 104104805100129 | 48 | 2,160 | Bright | sS | 2,259 | 1,335 | SupplierStandard | 1,129 |
| 104104806100129 | 48 | 2,160 | Bright | zZ | 2,259 | 1,335 | SupplierStandard | 1,129 |
| 104104805300129 | 48 | 2,160 | Galvanized | sS | 2,259 | 1,335 | SupplierStandard | 1,129 |
| 104104806300129 | 48 | 2,160 | Galvanized | zZ | 2,259 | 1,335 | SupplierStandard | 1,129 |
| 104105005070129 | 50 | 1,960 | Bright | sS | 2,386 | 1,449 | SupplierStandard | 1,225 |
| 104105006070129 | 50 | 1,960 | Bright | zZ | 2,386 | 1,449 | SupplierStandard | 1,225 |
| 104105005270129 | 50 | 1,960 | Galvanized | sS | 2,386 | 1,449 | SupplierStandard | 1,225 |
| 104105006270129 | 50 | 1,960 | Galvanized | zZ | 2,386 | 1,449 | SupplierStandard | 1,225 |
| 104105005100129 | 50 | 2,160 | Bright | sS | 2,451 | 1,449 | SupplierStandard | 1,225 |
| 104105006100129 | 50 | 2,160 | Bright | zZ | 2,451 | 1,449 | SupplierStandard | 1,225 |

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|-----------------|----|-------|------------|----|-------|-------|------------------|-------|
| 104105005300129 | 50 | 2,160 | Galvanized | sS | 2,451 | 1,449 | SupplierStandard | 1,225 |
| 104105006300129 | 50 | 2,160 | Galvanized | zZ | 2,451 | 1,449 | SupplierStandard | 1,225 |
| 104105205070129 | 52 | 1,960 | Bright | sS | 2,580 | 1,567 | SupplierStandard | 1,324 |
| 104105206070129 | 52 | 1,960 | Bright | zZ | 2,580 | 1,567 | SupplierStandard | 1,324 |
| 104105205270129 | 52 | 1,960 | Galvanized | sS | 2,580 | 1,567 | SupplierStandard | 1,324 |
| 104105206270129 | 52 | 1,960 | Galvanized | zZ | 2,580 | 1,567 | SupplierStandard | 1,324 |
| 104105205100129 | 52 | 2,160 | Bright | sS | 2,651 | 1,567 | SupplierStandard | 1,324 |
| 104105206100129 | 52 | 2,160 | Bright | zZ | 2,651 | 1,567 | SupplierStandard | 1,324 |
| 104105205300129 | 52 | 2,160 | Galvanized | sS | 2,651 | 1,567 | SupplierStandard | 1,324 |
| 104105206300129 | 52 | 2,160 | Galvanized | zZ | 2,651 | 1,567 | SupplierStandard | 1,324 |
| 104105405070129 | 54 | 1,960 | Bright | sS | 2,783 | 1,690 | SupplierStandard | 1,428 |
| 104105406070129 | 54 | 1,960 | Bright | zZ | 2,783 | 1,690 | SupplierStandard | 1,428 |
| 104105405270129 | 54 | 1,960 | Galvanized | sS | 2,783 | 1,690 | SupplierStandard | 1,428 |
| 104105406270129 | 54 | 1,960 | Galvanized | zZ | 2,783 | 1,690 | SupplierStandard | 1,428 |
| 104105405100129 | 54 | 2,160 | Bright | sS | 2,910 | 1,690 | SupplierStandard | 1,428 |
| 104105406100129 | 54 | 2,160 | Bright | zZ | 2,910 | 1,690 | SupplierStandard | 1,428 |
| 104105405300129 | 54 | 2,160 | Galvanized | sS | 2,910 | 1,690 | SupplierStandard | 1,428 |
| 104105406300129 | 54 | 2,160 | Galvanized | zZ | 2,910 | 1,690 | SupplierStandard | 1,428 |
| 104105605070129 | 56 | 1,960 | Bright | sS | 2,993 | 1,818 | SupplierStandard | 1,536 |
| 104105606070129 | 56 | 1,960 | Bright | zZ | 2,993 | 1,818 | SupplierStandard | 1,536 |
| 104105605270129 | 56 | 1,960 | Galvanized | sS | 2,993 | 1,818 | SupplierStandard | 1,536 |
| 104105606270129 | 56 | 1,960 | Galvanized | zZ | 2,993 | 1,818 | SupplierStandard | 1,536 |
| 104105605100129 | 56 | 2,160 | Bright | sS | 3,129 | 1,818 | SupplierStandard | 1,536 |

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|-----------------|----|-------|------------|----|-------|-------|------------------|-------|
| 104105606100129 | 56 | 2,160 | Bright | zZ | 3,129 | 1,818 | SupplierStandard | 1,536 |
| 104105605300129 | 56 | 2,160 | Galvanized | sS | 3,129 | 1,818 | SupplierStandard | 1,536 |
| 104105606300129 | 56 | 2,160 | Galvanized | zZ | 3,129 | 1,818 | SupplierStandard | 1,536 |

Technical data