

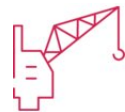
Offshorenosturi



Paalutuskone

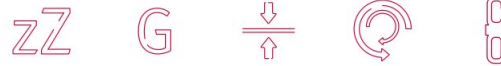


Mobiilिनosturi



## Teräsköysi Verotop P

### Tuotekuvaus



**Käyttöalueet:** Erikoisköytenä torninostureissa, liikkuvissa nostureissa ja offshore-nostureissa, kulkuvaunuissa sekä muissa laitteissa, joissa köyden tulee olla kiertymätön.

**Rakenne:** 16 ulompaa ja 19 sisempää sydänsäiettä. Kompaktoidut säikeet.

**Punonta:** Oikeakätinen langinpunonta.

**Täytekerroin:** 0,73.

**RCN:** 23-3

**Merkintä:** Standardin mukaan

**Pintakäsittely:** Kirkas tai sinkitty.

**Standardi:** EN 12385-4

**Huomautus:** Voidaan käyttää leikarin kanssa.

**Täytekerroin:** 0.73

**RCN:** 23-3

**Toleranssi:** +2% to +4%

| Tuotekoodi      | Köyden halkaisija<br>mm | Lankalujuus<br>N/mm <sup>2</sup> | Pintakäsittely | Punontasuunta | Vähimmäismurtokuorma<br>kN | Teräspoikkipinta-ala<br>mm <sup>2</sup> | Voitelu   | Paino<br>kg/100m |
|-----------------|-------------------------|----------------------------------|----------------|---------------|----------------------------|---|-----------|------------------|
| 104101606070149 | 16                      | 1 960                            | Kirkas         | zZ            | 241,7                      | 147                                     | Standardi | 125              |
| 104101606270149 | 16                      | 1 960                            | Galvanoitu     | zZ            | 241,7                      | 147                                     | Standardi | 125              |
| 104101606100149 | 16                      | 2 160                            | Kirkas         | zZ            | 252,7                      | 147                                     | Standardi | 125              |
| 104101606300149 | 16                      | 2 160                            | Galvanoitu     | zZ            | 252,7                      | 147                                     | Standardi | 125              |

|                 |    |       |            |    |       |     |           |     |
|-----------------|----|-------|------------|----|-------|-----|-----------|-----|
| 104101706070149 | 17 | 1 960 | Kirkas     | zZ | 272,8 | 166 | Standardi | 141 |
| 104101706270149 | 17 | 1 960 | Galvanoitu | zZ | 272,8 | 166 | Standardi | 141 |
| 104101706100149 | 17 | 2 160 | Kirkas     | zZ | 285,3 | 166 | Standardi | 141 |
| 104101706300149 | 17 | 2 160 | Galvanoitu | zZ | 285,3 | 166 | Standardi | 141 |
| 104101806070149 | 18 | 1 960 | Kirkas     | zZ | 305,8 | 186 | Standardi | 158 |
| 104101806270149 | 18 | 1 960 | Galvanoitu | zZ | 305,8 | 186 | Standardi | 158 |
| 104101806100149 | 18 | 2 160 | Kirkas     | zZ | 319,8 | 186 | Standardi | 158 |
| 104101806300149 | 18 | 2 160 | Galvanoitu | zZ | 319,8 | 186 | Standardi | 158 |
| 104101906070149 | 19 | 1 960 | Kirkas     | zZ | 340,8 | 207 | Standardi | 176 |
| 104101906270149 | 19 | 1 960 | Galvanoitu | zZ | 340,8 | 207 | Standardi | 176 |
| 104101906100149 | 19 | 2 160 | Kirkas     | zZ | 356,3 | 207 | Standardi | 176 |
| 104101906300149 | 19 | 2 160 | Galvanoitu | zZ | 356,3 | 207 | Standardi | 176 |
| 104102006070149 | 20 | 1 960 | Kirkas     | zZ | 377,6 | 229 | Standardi | 195 |
| 104102006270149 | 20 | 1 960 | Galvanoitu | zZ | 377,6 | 229 | Standardi | 195 |
| 104102006100149 | 20 | 2 160 | Kirkas     | zZ | 394,8 | 229 | Standardi | 195 |
| 104102006300149 | 20 | 2 160 | Galvanoitu | zZ | 394,8 | 229 | Standardi | 195 |
| 104102106070149 | 21 | 1 960 | Kirkas     | zZ | 416,3 | 253 | Standardi | 215 |
| 104102106270149 | 21 | 1 960 | Galvanoitu | zZ | 416,3 | 253 | Standardi | 215 |
| 104102106100149 | 21 | 2 160 | Kirkas     | zZ | 435,3 | 253 | Standardi | 215 |
| 104102106300149 | 21 | 2 160 | Galvanoitu | zZ | 435,3 | 253 | Standardi | 215 |
| 104102206070149 | 22 | 1 960 | Kirkas     | zZ | 456,9 | 277 | Standardi | 236 |
| 104102206270149 | 22 | 1 960 | Galvanoitu | zZ | 456,9 | 277 | Standardi | 236 |
| 104102206100149 | 22 | 2 160 | Kirkas     | zZ | 477,7 | 277 | Standardi | 236 |

|                 |      |       |            |    |       |     |           |     |
|-----------------|------|-------|------------|----|-------|-----|-----------|-----|
| 104102206300149 | 22   | 2 160 | Galvanoitu | zZ | 477,7 | 277 | Standardi | 236 |
| 104102246070149 | 22,4 | 1 960 | Kirkas     | zZ | 473,6 | 283 | Standardi | 240 |
| 104102246270149 | 22,4 | 1 960 | Galvanoitu | zZ | 473,6 | 283 | Standardi | 240 |
| 104102246100149 | 22,4 | 2 160 | Kirkas     | zZ | 495,3 | 283 | Standardi | 240 |
| 104102246300149 | 22,4 | 2 160 | Galvanoitu | zZ | 495,3 | 283 | Standardi | 240 |
| 104102306070149 | 23   | 1 960 | Kirkas     | zZ | 499,3 | 303 | Standardi | 258 |
| 104102306270149 | 23   | 1 960 | Galvanoitu | zZ | 499,3 | 303 | Standardi | 258 |
| 104102306100149 | 23   | 2 160 | Kirkas     | zZ | 522,2 | 303 | Standardi | 258 |
| 104102306300149 | 23   | 2 160 | Galvanoitu | zZ | 522,2 | 303 | Standardi | 258 |
| 104102406070149 | 24   | 1 960 | Kirkas     | zZ | 543,7 | 330 | Standardi | 281 |
| 104102406270149 | 24   | 1 960 | Galvanoitu | zZ | 543,7 | 330 | Standardi | 281 |
| 104102406100149 | 24   | 2 160 | Kirkas     | zZ | 568,6 | 330 | Standardi | 281 |
| 104102406300149 | 24   | 2 160 | Galvanoitu | zZ | 568,6 | 330 | Standardi | 281 |
| 104102506070149 | 25   | 1 960 | Kirkas     | zZ | 590   | 358 | Standardi | 305 |
| 104102506270149 | 25   | 1 960 | Galvanoitu | zZ | 590   | 358 | Standardi | 305 |
| 104102506100149 | 25   | 2 160 | Kirkas     | zZ | 616,9 | 358 | Standardi | 305 |
| 104102506300149 | 25   | 2 160 | Galvanoitu | zZ | 616,9 | 358 | Standardi | 305 |
| 104102546070149 | 25,4 | 1 960 | Kirkas     | zZ | 609   | 370 | Standardi | 314 |
| 104102546270149 | 25,4 | 1 960 | Galvanoitu | zZ | 609   | 370 | Standardi | 314 |
| 104102546100149 | 25,4 | 2 160 | Kirkas     | zZ | 636,8 | 370 | Standardi | 314 |
| 104102546300149 | 25,4 | 2 160 | Galvanoitu | zZ | 636,8 | 370 | Standardi | 314 |
| 104102606070149 | 26   | 1 960 | Kirkas     | zZ | 638,1 | 388 | Standardi | 329 |
| 104102606270149 | 26   | 1 960 | Galvanoitu | zZ | 638,1 | 388 | Standardi | 329 |

|                 |      |       |            |    |       |     |           |       |
|-----------------|------|-------|------------|----|-------|-----|-----------|-------|
| 104102606100149 | 26   | 2 160 | Kirkas     | zZ | 667,3 | 388 | Standardi | 329   |
| 104102606300149 | 26   | 2 160 | Galvanoitu | zZ | 667,3 | 388 | Standardi | 329   |
| 104102706070149 | 27   | 1 960 | Kirkas     | zZ | 688,1 | 418 | Standardi | 355   |
| 104102706270149 | 27   | 1 960 | Galvanoitu | zZ | 688,1 | 418 | Standardi | 355   |
| 104102706100149 | 27   | 2 160 | Kirkas     | zZ | 719,6 | 418 | Standardi | 355   |
| 104102706300149 | 27   | 2 160 | Galvanoitu | zZ | 719,6 | 418 | Standardi | 355   |
| 104102806070149 | 28   | 1 960 | Kirkas     | zZ | 740,1 | 449 | Standardi | 382   |
| 104102806270149 | 28   | 1 960 | Galvanoitu | zZ | 740,1 | 449 | Standardi | 382   |
| 104102806100149 | 28   | 2 160 | Kirkas     | zZ | 773,9 | 449 | Standardi | 382   |
| 104102806300149 | 28   | 2 160 | Galvanoitu | zZ | 773,9 | 449 | Standardi | 382   |
| 104102866070149 | 28,6 | 1 960 | Kirkas     | zZ | 772,1 | 469 | Standardi | 399   |
| 104102866270149 | 28,6 | 1 960 | Galvanoitu | zZ | 772,1 | 469 | Standardi | 399   |
| 104102866100149 | 28,6 | 2 160 | Kirkas     | zZ | 807,4 | 469 | Standardi | 399   |
| 104102866300149 | 28,6 | 2 160 | Galvanoitu | zZ | 807,4 | 469 | Standardi | 399   |
| 104102906070149 | 29   | 1 960 | Kirkas     | zZ | 793,9 | 482 | Standardi | 409,9 |
| 104102906270149 | 29   | 1 960 | Galvanoitu | zZ | 793,9 | 482 | Standardi | 409,9 |
| 104102906100149 | 29   | 2 160 | Kirkas     | zZ | 830,1 | 482 | Standardi | 409,9 |
| 104102906300149 | 29   | 2 160 | Galvanoitu | zZ | 830,1 | 482 | Standardi | 409,9 |
| 104103006070149 | 30   | 1 960 | Kirkas     | zZ | 849,6 | 516 | Standardi | 439   |
| 104103006270149 | 30   | 1 960 | Galvanoitu | zZ | 849,6 | 516 | Standardi | 439   |
| 104103006100149 | 30   | 2 160 | Kirkas     | zZ | 888,4 | 516 | Standardi | 439   |
| 104103006300149 | 30   | 2 160 | Galvanoitu | zZ | 888,4 | 516 | Standardi | 439   |
| 104103106070149 | 31   | 1 960 | Kirkas     | zZ | 907,1 | 551 | Standardi | 468   |

|                 |    |       |            |    |       |     |           |     |
|-----------------|----|-------|------------|----|-------|-----|-----------|-----|
| 104103106270149 | 31 | 1 960 | Galvanoitu | zZ | 907,1 | 551 | Standardi | 468 |
| 104103106100149 | 31 | 2 160 | Kirkas     | zZ | 948,6 | 551 | Standardi | 468 |
| 104103106300149 | 31 | 2 160 | Galvanoitu | zZ | 948,6 | 551 | Standardi | 468 |
| 104103206070149 | 32 | 1 960 | Kirkas     | zZ | 966,6 | 587 | Standardi | 499 |
| 104103206270149 | 32 | 1 960 | Galvanoitu | zZ | 966,6 | 587 | Standardi | 499 |
| 104103206100149 | 32 | 2 160 | Kirkas     | zZ | 1 011 | 587 | Standardi | 499 |
| 104103206300149 | 32 | 2 160 | Galvanoitu | zZ | 1 011 | 587 | Standardi | 499 |
| 104103306070149 | 33 | 1 960 | Kirkas     | zZ | 1 028 | 624 | Standardi | 531 |
| 104103306270149 | 33 | 1 960 | Galvanoitu | zZ | 1 028 | 624 | Standardi | 531 |
| 104103306100149 | 33 | 2 160 | Kirkas     | zZ | 1 075 | 624 | Standardi | 531 |
| 104103306300149 | 33 | 2 160 | Galvanoitu | zZ | 1 075 | 624 | Standardi | 531 |
| 104103406070149 | 34 | 1 960 | Kirkas     | zZ | 1 091 | 663 | Standardi | 563 |
| 104103406270149 | 34 | 1 960 | Galvanoitu | zZ | 1 091 | 663 | Standardi | 563 |
| 104103406100149 | 34 | 2 160 | Kirkas     | zZ | 1 141 | 663 | Standardi | 563 |
| 104103406300149 | 34 | 2 160 | Galvanoitu | zZ | 1 141 | 663 | Standardi | 563 |
| 104103506070149 | 35 | 1 960 | Kirkas     | zZ | 1 156 | 702 | Standardi | 597 |
| 104103506270149 | 35 | 1 960 | Galvanoitu | zZ | 1 156 | 702 | Standardi | 597 |
| 104103506100149 | 35 | 2 160 | Kirkas     | zZ | 1 209 | 702 | Standardi | 597 |
| 104103506300149 | 35 | 2 160 | Galvanoitu | zZ | 1 209 | 702 | Standardi | 597 |
| 104103606070149 | 36 | 1 960 | Kirkas     | zZ | 1 223 | 743 | Standardi | 632 |
| 104103606270149 | 36 | 1 960 | Galvanoitu | zZ | 1 223 | 743 | Standardi | 632 |
| 104103606100149 | 36 | 2 160 | Kirkas     | zZ | 1 279 | 743 | Standardi | 632 |
| 104103606300149 | 36 | 2 160 | Galvanoitu | zZ | 1 279 | 743 | Standardi | 632 |

|                 |    |       |            |    |       |       |           |     |
|-----------------|----|-------|------------|----|-------|-------|-----------|-----|
| 104103806070149 | 38 | 1 960 | Kirkas     | zZ | 1 363 | 828   | Standardi | 704 |
| 104103806270149 | 38 | 1 960 | Galvanoitu | zZ | 1 363 | 828   | Standardi | 704 |
| 104103806100149 | 38 | 2 160 | Kirkas     | zZ | 1 425 | 828   | Standardi | 704 |
| 104103806300149 | 38 | 2 160 | Galvanoitu | zZ | 1 425 | 828   | Standardi | 704 |
| 104104006070149 | 40 | 1 960 | Kirkas     | zZ | 1 510 | 917   | Standardi | 780 |
| 104104006270149 | 40 | 1 960 | Galvanoitu | zZ | 1 510 | 917   | Standardi | 780 |
| 104104006100149 | 40 | 2 160 | Kirkas     | zZ | 1 579 | 917   | Standardi | 780 |
| 104104006300149 | 40 | 2 160 | Galvanoitu | zZ | 1 579 | 917   | Standardi | 780 |
| 104104206070149 | 42 | 1 960 | Kirkas     | zZ | 1 665 | 1 011 | Standardi | 860 |
| 104104206270149 | 42 | 1 960 | Galvanoitu | zZ | 1 665 | 1 011 | Standardi | 860 |
| 104104206100149 | 42 | 2 160 | Kirkas     | zZ | 1 741 | 1 011 | Standardi | 860 |
| 104104206300149 | 42 | 2 160 | Galvanoitu | zZ | 1 741 | 1 011 | Standardi | 860 |
| 104104306070149 | 43 | 1 960 | Kirkas     | zZ | 1 745 | 1 060 | Standardi | 901 |
| 104104306270149 | 43 | 1 960 | Galvanoitu | zZ | 1 745 | 1 060 | Standardi | 901 |
| 104104306100149 | 43 | 2 160 | Kirkas     | zZ | 1 825 | 1 060 | Standardi | 901 |
| 104104306300149 | 43 | 2 160 | Galvanoitu | zZ | 1 825 | 1 060 | Standardi | 901 |
| 104104406070149 | 44 | 1 960 | Kirkas     | zZ | 1 827 | 1 110 | Standardi | 944 |
| 104104406270149 | 44 | 1 960 | Galvanoitu | zZ | 1 827 | 1 110 | Standardi | 944 |
| 104104406100149 | 44 | 2 160 | Kirkas     | zZ | 1 911 | 1 110 | Standardi | 944 |
| 104104406300149 | 44 | 2 160 | Galvanoitu | zZ | 1 911 | 1 110 | Standardi | 944 |
| 104104506070149 | 45 | 1 960 | Kirkas     | zZ | 1 911 | 1 161 | Standardi | 987 |
| 104104506270149 | 45 | 1 960 | Galvanoitu | zZ | 1 911 | 1 161 | Standardi | 987 |
| 104104506100149 | 45 | 2 160 | Kirkas     | zZ | 1 999 | 1 161 | Standardi | 987 |

|                 |    |       |            |    |       |       |           |       |
|-----------------|----|-------|------------|----|-------|-------|-----------|-------|
| 104104506300149 | 45 | 2 160 | Galvanoitu | zZ | 1 999 | 1 161 | Standardi | 987   |
| 104104606070149 | 46 | 1 960 | Kirkas     | zZ | 1 997 | 1 213 | Standardi | 1 031 |
| 104104606270149 | 46 | 1 960 | Galvanoitu | zZ | 1 997 | 1 213 | Standardi | 1 031 |
| 104104606100149 | 46 | 2 160 | Kirkas     | zZ | 2 089 | 1 213 | Standardi | 1 031 |
| 104104606300149 | 46 | 2 160 | Galvanoitu | zZ | 2 089 | 1 213 | Standardi | 1 031 |
| 104104806070149 | 48 | 1 960 | Kirkas     | zZ | 2 175 | 1 321 | Standardi | 1 123 |
| 104104806270149 | 48 | 1 960 | Galvanoitu | zZ | 2 175 | 1 321 | Standardi | 1 123 |
| 104104806100149 | 48 | 2 160 | Kirkas     | zZ | 2 274 | 1 321 | Standardi | 1 123 |
| 104104806300149 | 48 | 2 160 | Galvanoitu | zZ | 2 274 | 1 321 | Standardi | 1 123 |
| 104105006070149 | 50 | 1 960 | Kirkas     | zZ | 2 360 | 1 433 | Standardi | 1 218 |
| 104105006270149 | 50 | 1 960 | Galvanoitu | zZ | 2 360 | 1 433 | Standardi | 1 218 |
| 104105006100149 | 50 | 2 160 | Kirkas     | zZ | 2 468 | 1 433 | Standardi | 1 218 |
| 104105006300149 | 50 | 2 160 | Galvanoitu | zZ | 2 468 | 1 433 | Standardi | 1 218 |
| 104105206070149 | 52 | 1 960 | Kirkas     | zZ | 2 552 | 1 550 | Standardi | 1 318 |
| 104105206270149 | 52 | 1 960 | Galvanoitu | zZ | 2 552 | 1 550 | Standardi | 1 318 |
| 104105206100149 | 52 | 2 160 | Kirkas     | zZ | 2 669 | 1 550 | Standardi | 1 318 |
| 104105206300149 | 52 | 2 160 | Galvanoitu | zZ | 2 669 | 1 550 | Standardi | 1 318 |
| 104105406070149 | 54 | 1 960 | Kirkas     | zZ | 2 753 | 1 671 | Standardi | 1 421 |
| 104105406270149 | 54 | 1 960 | Galvanoitu | zZ | 2 753 | 1 671 | Standardi | 1 421 |
| 104105406100149 | 54 | 2 160 | Kirkas     | zZ | 2 878 | 1 671 | Standardi | 1 421 |
| 104105406300149 | 54 | 2 160 | Galvanoitu | zZ | 2 878 | 1 671 | Standardi | 1 421 |

## Lisätiedot / Varaosat

| Halkaisija | Lankojen  | Uloimman säiekerroksen | Suurin sallittu lukumäärä näkyvissä olevia lankakatkeamia köyden nousua kohti |        |                          |        | Keskimääräinen |               |        | Kimmo-kerroin          | Venymä kerroin |
|------------|-----------|------------------------|---|--------|--------------------------|--------|----------------|---------------|--------|------------------------|----------------|
| Ø          | lukumäärä | lankojen lukumäärä     | Ristiinpunontaiset köydet   |        | Langinpunontaiset köydet |        | täyte          | punonta-häviö | paino  |                        | 3% x MBL       |
| mm         |           |                        | 6 x d   | 30 x d | 6 x d                    | 30 x d | kerroin        | factor        | factor | (kgf/mm <sup>2</sup> ) |                |
| 16-48      | 259       | 126                    | -   | -      | 6                        | 11     | 0,73           | 0,81          | 0,91   | 12900                  | 0,146          |