

Cast steel Sheave with Cylindrical Roller Bearing

Product information



Self-lubricating cast sheaves are often applied in lifting, luffing and wire rope routing with intensive operating cycles. The groove opening angle was carefully designed to reduce potential twist resulting from fleet angles. In combination with the self-lubricating effect, the wire rope in your system will last longer. The latter was proved in recent research, in which several sheave materials were compared in terms of their effect on rope twist.

- Different shaft sizes possible.
- Groove may be adjusted to other wire rope diameters.

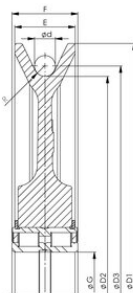
[... Read more](#)

Material: Cast steel

Note: Custom made sheaves possible on request.

Cast steel Sheave with Cylindrical Roller Bearing

Blueprint



Technical data

| Part code | Rope Ø range mm | Shaft Ø mm | Groove radius | Sheave dia. mm | Bearing | d mm | E mm | F mm | R mm | D1 mm | D2 mm | D3 mm | Ø G mm | Weight kg |
|------------------|--------------------|---------------|---------------|-------------------|-------------|------|------|------|------|-------|-------|-------|--------|--------------|
| 1401SE2505008B55 | 10 | 40 | 5.5 | 290 / 250 | SL04 5008PP | 10 | 32 | 38 | 5.5 | 290 | 250 | 260 | 40 | 5.9 |
| 1401SE2505008B6 | 11 | 40 | 6 | 290 / 250 | SL04 5008PP | 11 | 32 | 38 | 6 | 290 | 250 | 261 | 40 | 5.8 |
| 1401SE2505008B72 | 13 | 40 | 7.2 | 290 / 250 | SL04 5008PP | 13 | 32 | 38 | 7.2 | 290 | 250 | 263 | 40 | 6.2 |
| 1401SE28050107 | 13 | 50 | 7 | 320 / 280 | SL04 5010PP | 13 | 36 | 40 | 7 | 320 | 280 | 293 | 50 | 8.1 |
| 1401SE28050127 | 13 | 60 | 7 | 320 / 280 | SL04 5012PP | 13 | 42 | 46 | 7 | 320 | 280 | 293 | 60 | 9.4 |
| 1401SE260501275 | 14 | 60 | 7.5 | 300 / 260 | SL04 5012PP | 14 | 42 | 46 | 7.5 | 300 | 260 | 274 | 60 | 9.6 |
| 1401SE28050128 | 15 | 60 | 8 | 320 / 280 | SL04 5012PP | 15 | 42 | 46 | 8 | 320 | 280 | 295 | 60 | 9.2 |
| 1401SE2955008B85 | 16 | 40 | 8.5 | 330 / 295 | SL04 5008PP | 16 | 32 | 38 | 8.5 | 330 | 295 | 311 | 40 | 8.8 |
| 1401SE280501285 | 16 | 60 | 8.5 | 320 / 280 | SL04 5012PP | 16 | 42 | 46 | 8.5 | 320 | 280 | 296 | 60 | 9.1 |
| 1401SE260501285 | 16 | 60 | 8.5 | 300 / 260 | SL04 5012PP | 16 | 42 | 46 | 8.5 | 300 | 260 | 276 | 60 | 9.1 |
| 1401SE320501385 | 16 | 65 | 8.5 | 365 / 320 | SL04 5013PP | 16 | 42 | 46 | 8.5 | 365 | 320 | 336 | 65 | 13.5 |
| 1401SE355501385 | 16 | 65 | 8.5 | 410 / 355 | SL04 5013PP | 16 | 42 | 46 | 8.5 | 410 | 355 | 371 | 65 | 18.3 |
| 1401SE360501685 | 16 | 80 | 8.5 | 420 / 360 | SL04 5016PP | 16 | 55 | 60 | 8.5 | 420 | 360 | 376 | 80 | 21.9 |
| 1401SE400501385 | 16 | 65 | 8.5 | 460 / 400 | SL04 5013PP | 16 | 43 | 46 | 8.5 | 460 | 400 | 416 | 65 | 25 |
| 1401SE35550139 | 17 | 65 | 9 | 410 / 355 | SL04 5013PP | 17 | 42 | 46 | 9 | 410 | 355 | 372 | 65 | 18.1 |
| 1401SE3455010B95 | 18 | 50 | 9.5 | 385 / 345 | SL04 5010PP | 18 | 36 | 40 | 9.5 | 385 | 345 | 363 | 50 | 12.5 |
| 1401SE354501395 | 18 | 65 | 9.5 | 400 / 354 | SL04 5013PP | 18 | 42 | 46 | 9.5 | 400 | 354 | 372 | 65 | 16.5 |
| 1401SE355501395 | 18 | 65 | 9.5 | 410 / 355 | SL04 5013PP | 18 | 42 | 46 | 9.5 | 410 | 355 | 373 | 65 | 18 |
| 1401SE360501695 | 18 | 80 | 9.5 | 420 / 360 | SL04 5016PP | 18 | 55 | 60 | 9.5 | 420 | 360 | 378 | 80 | 21.6 |
| 1401SE400501395 | 18 | 65 | 9.5 | 460 / 400 | SL04 5013PP | 18 | 43 | 46 | 9.5 | 460 | 400 | 418 | 65 | 25 |
| 1401SE4005014B95 | 18 | 70 | 9.5 | 460 / 400 | SL04 5014PP | 18 | 49 | 54 | 9.5 | 460 | 400 | 418 | 70 | 25.4 |
| 1401SE280501210 | 19 | 60 | 10 | 320 / 280 | SL04 5012PP | 19 | 42 | 46 | 10 | 320 | 280 | 299 | 60 | 10.3 |

Cast steel Sheave with Cylindrical Roller Bearing

Technical data

| Part code | Rope Ø range mm | Shaft Ø mm | Groove radius | Sheave dia. mm | Bearing | d mm | E mm | F mm | R mm | D1 mm | D2 mm | D3 mm | Ø G mm | mm | Weight kg |
|-------------------|--------------------|---------------|---------------|-------------------|-------------|------|------|------|------|-------|-------|-------|--------|----|--------------|
| 1401SE3455010B10 | 19 | 50 | 10 | 385 / 345 | SL04 5010PP | 19 | 36 | 40 | 10 | 385 | 345 | 364 | 50 | | 12.5 |
| 1401SE320501310 | 19 | 65 | 10 | 365 / 320 | SL04 5013PP | 19 | 42 | 46 | 10 | 365 | 320 | 339 | 65 | | 13.2 |
| 1401SE355501610 | 19 | 80 | 10 | 410 / 355 | SL04 5016PP | 19 | 55 | 60 | 10 | 410 | 355 | 374 | 80 | | 16.8 |
| 1401SE355501310 | 19 | 65 | 10 | 410 / 355 | SL04 5013PP | 19 | 42 | 46 | 10 | 410 | 355 | 374 | 65 | | 17.8 |
| 1401SE360501610 | 19 | 80 | 10 | 420 / 360 | SL04 5016PP | 19 | 55 | 60 | 10 | 420 | 360 | 379 | 80 | | 17.9 |
| 1401SE400501310 | 19 | 65 | 10 | 460 / 400 | SL04 5013PP | 19 | 43 | 46 | 10 | 460 | 400 | 419 | 65 | | 24.8 |
| 1401SE400501610 | 19 | 80 | 10 | 460 / 400 | SL04 5016PP | 19 | 55 | 60 | 10 | 460 | 400 | 419 | 80 | | 28.8 |
| 1401SE400501810 | 19 | 90 | 10 | 460 / 400 | SL04 5018PP | 19 | 62 | 67 | 10 | 460 | 400 | 419 | 90 | | 31 |
| 1401SE450501810 | 19 | 90 | 10 | 515 / 450 | SL04 5018PP | 19 | 62 | 67 | 10 | 515 | 450 | 469 | 90 | | 41.4 |
| 1401SE45016010 | 19 | 160 | 10 | 515 / 450 | SL04 160PP | 19 | 75 | 80 | 10 | 515 | 450 | 469 | 160 | | 45.4 |
| 1401SE450502410 | 19 | 120 | 10 | 515 / 450 | SL04 5024PP | 19 | 75 | 80 | 10 | 515 | 450 | 469 | 120 | | 47.9 |
| 1401SE4005014B115 | 21 | 70 | 11.5 | 460 / 400 | SL04 5014PP | 21 | 49 | 54 | 11.5 | 460 | 400 | 421 | 70 | | 24.7 |
| 1401SE4005016115 | 21 | 80 | 11.5 | 460 / 400 | SL04 5016PP | 21 | 55 | 60 | 11.5 | 460 | 400 | 421 | 80 | | 28.3 |
| 1401SE4005018115 | 21 | 90 | 11.5 | 460 / 400 | SL04 5018PP | 21 | 62 | 67 | 11.5 | 460 | 400 | 421 | 90 | | 30.4 |
| 1401SE4825018115 | 21 | 90 | 11.5 | 560 / 482 | SL04 5018PP | 21 | 62 | 67 | 11.5 | 560 | 482 | 503 | 90 | | 45.5 |
| 1401SE355501612 | 22 | 80 | 12 | 410 / 355 | SL04 5016PP | 22 | 55 | 60 | 12 | 410 | 355 | 377 | 80 | | 16.8 |
| 1401SE400501612 | 22 | 80 | 12 | 460 / 400 | SL04 5016PP | 22 | 55 | 60 | 12 | 460 | 400 | 422 | 80 | | 28.1 |
| 1401SE400501812 | 22 | 90 | 12 | 460 / 400 | SL04 5018PP | 22 | 62 | 67 | 12 | 460 | 400 | 422 | 90 | | 30.2 |
| 1401SE450501812 | 22 | 90 | 12 | 515 / 450 | SL04 5018PP | 22 | 62 | 67 | 12 | 515 | 450 | 472 | 90 | | 40.5 |
| 1401SE450502412 | 22 | 120 | 12 | 515 / 450 | SL04 5024PP | 22 | 75 | 80 | 12 | 515 | 450 | 472 | 120 | | 47 |
| 1401SE528501813 | 24 | 90 | 13 | 595 / 528 | SL04 5018PP | 24 | 61 | 67 | 13 | 595 | 528 | 552 | 90 | | 50.9 |
| 1401SE52820013 | 24 | 200 | 13 | 595 / 528 | SL04 200PP | 24 | 74 | 80 | 13 | 595 | 528 | 552 | 200 | | 56.7 |
| 1401SE52816013 | 24 | 160 | 13 | 595 / 528 | SL04 160PP | 24 | 74 | 80 | 13 | 595 | 528 | 552 | 160 | | 61.2 |
| 1401SE4505018135 | 25 | 90 | 13.5 | 515 / 450 | SL04 5018PP | 25 | 62 | 67 | 13.5 | 515 | 450 | 475 | 90 | | 39.8 |
| 1401SE4505024135 | 25 | 120 | 13.5 | 515 / 450 | SL04 5024PP | 25 | 75 | 80 | 13.5 | 515 | 450 | 475 | 120 | | 46.3 |
| 1401SE5005018B135 | 25 | 90 | 13.5 | 570 / 500 | SL04 5018PP | 25 | 61 | 67 | 13.5 | 570 | 500 | 526 | 90 | | 46.8 |
| 1401SE5285018135 | 25 | 90 | 13.5 | 595 / 528 | SL04 5018PP | 25 | 61 | 67 | 13.5 | 595 | 528 | 553 | 90 | | 50.6 |
| 1401SE528160135 | 25 | 160 | 13.5 | 595 / 528 | SL04 160PP | 25 | 74 | 80 | 13.5 | 595 | 528 | 553 | 160 | | 53.5 |
| 1401SE5285024135 | 25 | 120 | 13.5 | 595 / 528 | SL04 5024PP | 25 | 74 | 80 | 13.5 | 595 | 528 | 553 | 120 | | 57.8 |
| 1401SE6705024135 | 25 | 120 | 13.5 | 760 / 670 | SL04 5024PP | 25 | 74 | 80 | 13.5 | 760 | 670 | 695 | 120 | | 92.6 |
| 1401SE670200135 | 25 | 200 | 13.5 | 760 / 670 | SL04 200PP | 25 | 74 | 80 | 13.5 | 760 | 670 | 695 | 200 | | 93.5 |

Cast steel Sheave with Cylindrical Roller Bearing

Technical data

| Part code | Rope Ø range mm | Shaft Ø mm | Groove radius | Sheave dia. mm | Bearing | d mm | E mm | F mm | R mm | D1 mm | D2 mm | D3 mm | Ø G mm | mm | Weight kg |
|------------------|--------------------|---------------|---------------|-------------------|-------------|------|------|------|------|-------|-------|-------|--------|----|--------------|
| 1401SE670160135 | 25 | 160 | 13.5 | 760 / 670 | SL04 160PP | 25 | 74 | 80 | 13.5 | 760 | 670 | 695 | 160 | | 93.5 |
| 1401SE528501814 | 26 | 90 | 14 | 595 / 528 | SL04 5018PP | 26 | 61 | 67 | 14 | 595 | 528 | 554 | 90 | | 45.4 |
| 1401SE52816014 | 26 | 160 | 14 | 595 / 528 | SL04 160PP | 26 | 74 | 80 | 14 | 595 | 528 | 554 | 160 | | 53.2 |
| 1401SE528502414 | 26 | 120 | 14 | 595 / 528 | SL04 5024PP | 26 | 74 | 80 | 14 | 595 | 528 | 554 | 120 | | 63.5 |
| 1401SE57516014 | 26 | 160 | 14 | 650 / 575 | SL04 160PP | 26 | 74 | 80 | 14 | 650 | 575 | 601 | 160 | | 72 |
| 1401SE575502414 | 26 | 120 | 14 | 650 / 575 | SL04 5024PP | 26 | 74 | 80 | 14 | 650 | 575 | 601 | 120 | | 72.6 |
| 1401SE575502214 | 26 | 110 | 14 | 650 / 575 | SL04 5022PP | 26 | 74 | 80 | 14 | 650 | 575 | 601 | 110 | | 73.5 |
| 1401SE57520014 | 26 | 200 | 14 | 650 / 575 | SL04 200PP | 26 | 74 | 80 | 14 | 650 | 575 | 601 | 200 | | 76.7 |
| 1401SE450501815 | 28 | 90 | 15 | 515 / 450 | SL04 5018PP | 28 | 62 | 67 | 15 | 515 | 450 | 478 | 90 | | 39.2 |
| 1401SE450502415 | 28 | 120 | 15 | 515 / 450 | SL04 5024PP | 28 | 75 | 80 | 15 | 515 | 450 | 478 | 120 | | 45.6 |
| 1401SE528501815 | 28 | 90 | 15 | 595 / 528 | SL04 5018PP | 28 | 61 | 67 | 15 | 595 | 528 | 556 | 90 | | 49.9 |
| 1401SE52816015 | 28 | 160 | 15 | 595 / 528 | SL04 160PP | 28 | 72 | 80 | 15 | 595 | 528 | 556 | 160 | | 52.7 |
| 1401SE528502415 | 28 | 120 | 15 | 595 / 528 | SL04 5024PP | 28 | 74 | 80 | 15 | 595 | 528 | 556 | 120 | | 57 |
| 1401SE52820015 | 28 | 200 | 15 | 595 / 528 | SL04 200PP | 28 | 74 | 80 | 15 | 595 | 528 | 556 | 200 | | 64.9 |
| 1401SE57516015 | 28 | 160 | 15 | 650 / 575 | SL04 160PP | 28 | 74 | 80 | 15 | 650 | 575 | 603 | 160 | | 71.4 |
| 1401SE575502415 | 28 | 120 | 15 | 650 / 575 | SL04 5024PP | 28 | 74 | 80 | 15 | 650 | 575 | 603 | 120 | | 72 |
| 1401SE57520015 | 28 | 200 | 15 | 650 / 575 | SL04 200PP | 28 | 74 | 80 | 15 | 650 | 575 | 603 | 200 | | 76.1 |
| 1401SE63016015 | 28 | 160 | 15 | 710 / 630 | SL04 160PP | 28 | 74 | 80 | 15 | 710 | 630 | 658 | 160 | | 82.8 |
| 1401SE630502415 | 28 | 120 | 15 | 710 / 630 | SL04 5024PP | 28 | 74 | 80 | 15 | 710 | 630 | 658 | 120 | | 84.4 |
| 1401SE63020015 | 28 | 200 | 15 | 710 / 630 | SL04 200PP | 28 | 74 | 80 | 15 | 710 | 630 | 658 | 200 | | 87.7 |
| 1401SE670502415 | 28 | 120 | 15 | 760 / 670 | SL04 5024PP | 28 | 74 | 80 | 15 | 760 | 670 | 698 | 120 | | 91.3 |
| 1401SE67016015 | 28 | 160 | 15 | 760 / 670 | SL04 160PP | 28 | 74 | 80 | 15 | 760 | 670 | 698 | 160 | | 92.2 |
| 1401SE67020015 | 28 | 200 | 15 | 760 / 670 | SL04 200PP | 28 | 74 | 80 | 15 | 760 | 670 | 698 | 200 | | 97 |
| 1401SE575502216 | 30 | 110 | 16 | 650 / 575 | SL04 5022PP | 30 | 74 | 80 | 16 | 650 | 575 | 605 | 110 | | 72.3 |
| 1401SE63016016 | 30 | 160 | 16 | 710 / 630 | SL04 160PP | 30 | 74 | 80 | 16 | 710 | 630 | 660 | 160 | | 82.1 |
| 1401SE6305022B16 | 30 | 110 | 16 | 710 / 630 | SL04 5022PP | 30 | 74 | 80 | 16 | 710 | 630 | 660 | 110 | | 83.5 |
| 1401SE630502416 | 30 | 120 | 16 | 710 / 630 | SL04 5024PP | 30 | 74 | 80 | 16 | 710 | 630 | 660 | 120 | | 83.7 |
| 1401SE63020016 | 30 | 200 | 16 | 710 / 630 | SL04 200PP | 30 | 74 | 80 | 16 | 710 | 630 | 660 | 200 | | 87 |
| 1401SE8005022165 | 31 | 110 | 16.5 | 890 / 800 | SL04 5022PP | 31 | 70 | 80 | 16.5 | 890 | 800 | 831 | 110 | | 136.5 |
| 1401SE575502417 | 32 | 120 | 17 | 650 / 575 | SL04 5024PP | 32 | 74 | 80 | 17 | 650 | 575 | 607 | 120 | | 70.9 |
| 1401SE63016017 | 32 | 160 | 17 | 710 / 630 | SL04 160PP | 32 | 74 | 80 | 17 | 710 | 630 | 662 | 160 | | 81.4 |

Cast steel Sheave with Cylindrical Roller Bearing

Technical data

| Part code | Rope Ø range mm | Shaft Ø mm | Groove radius | Sheave dia. mm | Bearing | d mm | E mm | F mm | R mm | D1 mm | D2 mm | D3 mm | Ø G mm | mm | Weight kg |
|------------------|--------------------|---------------|---------------|-------------------|-------------|------|------|------|------|-------|-------|-------|--------|----|--------------|
| 1401SE630502417 | 32 | 120 | 17 | 710 / 630 | SL04 5024PP | 32 | 74 | 80 | 17 | 710 | 630 | 662 | 120 | | 83 |
| 1401SE63020017 | 32 | 200 | 17 | 710 / 630 | SL04 200PP | 32 | 74 | 80 | 17 | 710 | 630 | 662 | 200 | | 86.3 |
| 1401SE670502417 | 32 | 120 | 17 | 760 / 670 | SL04 5024PP | 32 | 74 | 80 | 17 | 760 | 670 | 702 | 120 | | 89.7 |
| 1401SE67016017 | 32 | 160 | 17 | 760 / 670 | SL04 160PP | 32 | 74 | 80 | 17 | 760 | 670 | 702 | 160 | | 90.5 |
| 1401SE67020017 | 32 | 200 | 17 | 760 / 670 | SL04 200PP | 32 | 74 | 80 | 17 | 760 | 670 | 702 | 200 | | 95.3 |
| 1401SE710502217 | 32 | 110 | 17 | 800 / 710 | SL04 5022PP | 32 | 72 | 80 | 17 | 800 | 710 | 742 | 110 | | 99.8 |
| 1401SE800502617 | 32 | 130 | 17 | 890 / 800 | SL04 5026PP | 32 | 75 | 95 | 17 | 890 | 800 | 832 | 130 | | 129.9 |
| 1401SE710502618 | 34 | 130 | 18 | 800 / 710 | SL04 5026PP | 34 | 78 | 95 | 18 | 800 | 710 | 744 | 130 | | 98.3 |
| 1401SE710502218 | 34 | 110 | 18 | 800 / 710 | SL04 5022PP | 34 | 72 | 80 | 18 | 800 | 710 | 744 | 110 | | 98.7 |
| 1401SE800502819 | 36 | 140 | 18 | 890 / 800 | SL04 5028PP | 36 | 85 | 95 | 18 | 890 | 800 | 836 | 140 | | 152.4 |
| 1401SE710502420 | 38 | 120 | 20 | 800 / 710 | SL04 5024PP | 38 | 72 | 80 | 20 | 800 | 710 | 748 | 120 | | 94.5 |
| 1401SE800502420 | 38 | 120 | 18 | 890 / 800 | SL04 5024PP | 38 | 70 | 80 | 18 | 890 | 800 | 838 | 120 | | 127.1 |
| 1401SE800502620 | 38 | 130 | 18 | 890 / 800 | SL04 5026PP | 38 | 75 | 95 | 18 | 890 | 800 | 838 | 130 | | 133.5 |
| 1401SE760503020 | 38 | 150 | 18 | 860 / 760 | SL04 5030PP | 38 | 85 | 100 | 18 | 860 | 760 | 798 | 150 | | 134.2 |
| 1401SE800502820 | 38 | 140 | 18 | 890 / 800 | SL04 5028PP | 38 | 85 | 95 | 18 | 890 | 800 | 838 | 140 | | 151.4 |
| 1401SE800503020 | 38 | 150 | 18 | 890 / 800 | SL04 5030PP | 38 | 90 | 100 | 18 | 890 | 800 | 838 | 150 | | 153 |
| 1401SE7605026205 | 39 | 130 | 20.5 | 860 / 760 | SL04 5026PP | 39 | 75 | 95 | 20.5 | 860 | 760 | 799 | 130 | | 138.2 |
| 1401SE800502821 | 40 | 140 | 21 | 890 / 800 | SL04 5028PP | 40 | 85 | 95 | 21 | 890 | 800 | 840 | 140 | | 150.4 |
| 1401SE800503021 | 40 | 150 | 21 | 890 / 800 | SL04 5030PP | 40 | 90 | 100 | 21 | 890 | 800 | 840 | 150 | | 152.4 |
| 1401SE8005028225 | 42 | 140 | 22.5 | 890 / 800 | SL04 5028PP | 42 | 85 | 95 | 22.5 | 890 | 800 | 842 | 140 | | 149 |
| 1401SE8005030225 | 42 | 150 | 22.5 | 890 / 800 | SL04 5030PP | 42 | 90 | 100 | 22.5 | 890 | 800 | 842 | 150 | | 160.1 |
| 1401SE8005030235 | 44 | 150 | 23.5 | 890 / 800 | SL04 5030PP | 44 | 90 | 100 | 23.5 | 890 | 800 | 844 | 150 | | 149.6 |