



# SHEAVES

## **SHEAVES MADE SMART**

Sheaves are key factors in terms of the performance of your application and the lifetime of the wire rope installed. That's why Ropeblock focuses on finding the best possible design and materials for each specific application. In many cases our cast sheaves are the solution of choice, if only because of their self-lubricating properties.

However, when weight is a paramount factor, our plastic sheaves could be the answer you are looking for. In some cases a welded sheave, a forged sheave or a sheave made out of solid material might be the appropriate choice.

Mind you, whatever the right Ropeblock sheave may be in your case, you can count on its being engineered for efficiency. Our extensive knowledge and experience allow us to employ Smart Engineering, creating highly functional solutions that will meet your needs in every respect.

Although the list of standard sheaves is extensive, specific factors such as wire rope type & diameter, wrap angle, fleet angle, line pull and application details should be considered. Please contact us in order to determine which sheave most suits your purposes.



## CAST SHEAVES

Ropeblock 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. Details of this research, which was carried out in cooperation with a leading German University, can be found in the Research

and Development section in this catalog. It should come as no surprise that Ropeblock has been using these sheaves in most blocks for over 25 years. In most cases our standard sheaves can be fine-tuned to suit your application with only minor modifications. The full range of standard cast sheaves can be found on the following pages.

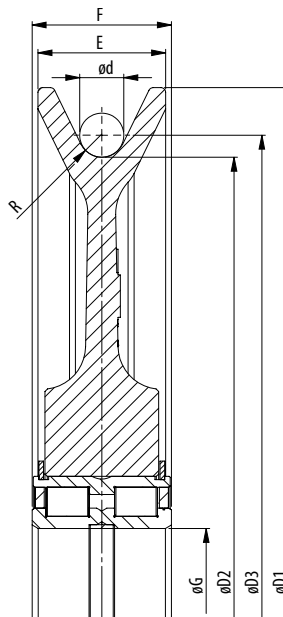
**NEXT TO OUR LARGE RANGE OF STANDARD SHEAVES WE WILL GLADLY INVESTIGATE WHETHER AN ENGINEERED SOLUTION, SPECIFICALLY DESIGNED FOR YOUR APPLICATION, COULD BE A GOOD SOLUTION AS WELL.**

### AVAILABLE FINISHES (DEPENDS ON THE APPLICATION)

| Segment / application | ISO 12944 classification | Classification description                                                                                                                           | Expected protection duration | DFT (µm) |
|-----------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------|
| Construction          | C2M                      | Slightly polluted atmosphere, predominately agriculture areas                                                                                        | 5 to 15 year                 | 120      |
| Construction          | C3M                      | Industrial and residential air pollution levels, with an average sulfur dioxide (IV) contamination level. Coastal areas with low salt content in air | 2 to 5 year                  | 120      |
| Construction          | C3M                      | Industrial and residential air pollution levels, with an average sulfur dioxide (IV) contamination level. Coastal areas with low salt content in air | 5 to 15 year                 | 160      |
| Cargo handling        | C3M                      | Industrial and residential air pollution levels, with an average sulfur dioxide (IV) contamination level. Coastal areas with low salt content in air | 5 to 15 year                 | 160      |
| Cargo handling        | C4H                      | Industrial areas and coastal areas with average salt content in air                                                                                  | more than 15 year            | 280      |
| Cargo handling        | C5-MM                    | Coastal areas and open sea with high salt content in air                                                                                             | 5 to 15 year                 | 280      |
| Offshore              | C4H                      | Industrial areas and coastal areas with average salt content in air                                                                                  | more than 15 year            | 300      |
| Offshore              | C5-MM                    | Coastal areas and open sea with high salt content in air                                                                                             | 5 to 15 year                 | 300      |
| Offshore              | C5-MH                    | Coastal areas and open sea with high salt content in air                                                                                             | more than 15 year            | 320      |
| Offshore              | NORSOK sys. 1*           | Open sea with high salt content in air                                                                                                               | more than 15 year            | 300      |

## CAST SHEAVES >>

## WITH CYLINDRICAL ROLLER BEARINGS



| Model No.         | Dimensions (inch) |         |             |               |         |        |           |               | Bearing      | Weight (lbs) |
|-------------------|-------------------|---------|-------------|---------------|---------|--------|-----------|---------------|--------------|--------------|
|                   | Sheave tread ø    | Shaft ø | For wire ød | Groove radius | Outer ø | P.C.D. | Rim width | Bearing width |              |              |
|                   | øD2               | øG      | d           | R             | øD1     | øD3    | E         | F             |              |              |
| SE.225.5012.7,5   | 8.86              | 2.36    | 0.55        | 0.30          | 10.24   | 9.41   | 1.50      | 1.81          | SL04 5012 PP | 15           |
| SE.227.5010.7     | 8.94              | 1.97    | 0.51        | 0.28          | 10.43   | 9.45   | 1.38      | 1.57          | SL04 5010 PP | 12           |
| SE.250.5008B.6    | 9.84              | 1.57    | 0.43        | 0.24          | 11.42   | 10.28  | 1.26      | 1.50          | SL04 5008 PP | 13           |
| SE.250.5008B.5,5  | 9.84              | 1.57    | 0.39        | 0.22          | 11.42   | 10.24  | 1.26      | 1.50          | SL04 5008 PP | 13           |
| SE.250.5008B.7,2  | 9.84              | 1.57    | 0.51        | 0.28          | 11.42   | 10.35  | 1.26      | 1.50          | SL04 5008 PP | 14           |
| SE.260.5012.8,5   | 10.24             | 2.36    | 0.63        | 0.33          | 11.81   | 10.87  | 1.65      | 1.81          | SL04 5012 PP | 20           |
| SE.260.5012.6,5   | 10.24             | 2.36    | 0.47        | 0.26          | 11.81   | 10.71  | 1.65      | 1.81          | SL04 5012 PP | 21           |
| SE.260.5012.7,5   | 10.24             | 2.36    | 0.55        | 0.30          | 11.81   | 10.79  | 1.65      | 1.81          | SL04 5012 PP | 21           |
| SE.280.5010.7     | 11.02             | 1.97    | 0.51        | 0.28          | 12.60   | 11.54  | 1.42      | 1.57          | SL04 5010 PP | 18           |
| SE.280.5010B.7    | 11.02             | 1.97    | 0.51        | 0.28          | 12.60   | 11.54  | 1.42      | 1.57          | SL04 5010 PP | 18           |
| SE.280.5012.8,5   | 11.02             | 2.36    | 0.63        | 0.33          | 12.60   | 11.65  | 1.65      | 1.81          | SL04 5012 PP | 20           |
| SE.280.5012.8     | 11.02             | 2.36    | 0.59        | 0.31          | 12.60   | 11.61  | 1.65      | 1.81          | SL04 5012 PP | 20           |
| SE.280.5012.7     | 11.02             | 2.36    | 0.51        | 0.28          | 12.60   | 11.54  | 1.65      | 1.81          | SL04 5012 PP | 21           |
| SE.280.5012.10    | 11.02             | 2.36    | 0.75        | 0.39          | 12.60   | 11.77  | 1.65      | 1.81          | SL04 5012 PP | 23           |
| SE.280.4914.8,5   | 11.02             | 2.76    | 0.63        | 0.33          | 12.60   | 11.65  | 1.42      | 2.36          | SL01 4914 ZZ | 19           |
| SE.280.4914.7     | 11.02             | 2.76    | 0.51        | 0.28          | 12.60   | 11.54  | 1.42      | 1.18          | SL01 4914 ZZ | 20           |
| SE.295.5008B.8,5  | 11.61             | 1.57    | 0.63        | 0.33          | 12.99   | 12.24  | 1.26      | 1.50          | SL04 5008 PP | 19           |
| SE.300.5008.7     | 11.81             | 1.57    | 0.51        | 0.28          | 13.78   | 12.32  | 1.38      | 1.50          | SL04 5008 PP | 15           |
| SE.300.5010.7     | 11.81             | 1.97    | 0.51        | 0.28          | 13.78   | 12.32  | 1.50      | 1.57          | SL04 5008 PP | 15           |
| SE.320.5011.8,8.M | 12.60             | 2.17    | 0.63        | 0.35          | 15.12   | 13.23  | 1.69      | 1.81          | SL04 5011 PP | 23           |
| SE.320.4914.8,5   | 12.60             | 2.17    | 0.63        | 0.33          | 15.12   | 13.23  | 1.69      | 1.81          | SL01 4914    | 28           |
| SE.320.5013.9     | 12.60             | 2.56    | 0.67        | 0.35          | 15.12   | 13.27  | 1.69      | 1.81          | SL04 5013 PP | 29           |
| SE.320.5013.10    | 12.60             | 2.56    | 0.75        | 0.39          | 14.37   | 13.35  | 1.65      | 1.81          | SL04 5013 PP | 29           |

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- Sheaves shown here are standard models; inquiries for custom versions are welcome.



**SEE OUR WARNING & SAFETY INFORMATION**

## << CAST SHEAVES >>

## WITH CYLINDRICAL ROLLER BEARINGS

| Model No.         | Dimensions (inch) |         |             |               |         |        |           |               | Bearing      | Weight (lbs) |
|-------------------|-------------------|---------|-------------|---------------|---------|--------|-----------|---------------|--------------|--------------|
|                   | Sheave tread ø    | Shaft ø | For wire ød | Groove radius | Outer ø | P.C.D. | Rim width | Bearing width |              |              |
|                   | øD2               | øG      | d           | R             | øD1     | øD3    | E         | F             |              |              |
| SE.320.5013.8,5   | 12.60             | 2.56    | 0.63        | 0.33          | 14.37   | 13.23  | 1.65      | 1.81          | SL04 5013PP  | 30           |
| SE.345.5010B.9,5  | 13.58             | 1.97    | 0.71        | 0.37          | 15.16   | 14.29  | 1.42      | 1.57          | SL04 5010 PP | 28           |
| SE.345.5010B.10   | 13.58             | 1.97    | 0.75        | 0.39          | 15.16   | 14.33  | 1.42      | 1.57          | SL04 5010 PP | 28           |
| SE.350.5012.8     | 13.78             | 2.36    | 0.55        | 0.31          | 16.34   | 14.33  | 1.77      | 1.81          | SL04 5012 PP | 28           |
| SE.354.5013.9,5   | 13.94             | 2.56    | 0.71        | 0.37          | 15.75   | 14.65  | 1.65      | 1.81          | SL04 5013 PP | 36           |
| SE.355.5013.10    | 13.98             | 2.56    | 0.75        | 0.39          | 16.14   | 14.72  | 1.65      | 1.81          | SL04 5013 PP | 39           |
| SE.355.5013.9,5   | 13.98             | 2.56    | 0.71        | 0.37          | 16.14   | 14.69  | 1.65      | 1.81          | SL04 5013 PP | 40           |
| SE.355.5013.9     | 13.98             | 2.56    | 0.67        | 0.35          | 16.14   | 14.65  | 1.65      | 1.81          | SL04 5013 PP | 40           |
| SE.355.5013.8,5   | 13.98             | 2.56    | 0.63        | 0.33          | 16.14   | 14.61  | 1.65      | 1.81          | SL04 5013 PP | 40           |
| SE.355.5016.7,5   | 13.98             | 3.15    | 0.55        | 0.30          | 16.14   | 14.53  | 2.17      | 2.36          | SL04 5016 PP | 37           |
| SE.355.5016.10    | 13.98             | 3.15    | 0.75        | 0.39          | 16.14   | 14.72  | 2.17      | 2.36          | SL04 5016 PP | 37           |
| SE.355.5016.12    | 13.98             | 3.15    | 0.87        | 0.47          | 16.14   | 14.84  | 2.17      | 2.36          | SL04 5016 PP | 37           |
| SE.355.4918.12    | 13.98             | 3.54    | 0.87        | 0.47          | 16.14   | 14.84  | 1.73      | 1.38          | SL01 4918 ZZ | 33           |
| SE.355.4918.9     | 13.98             | 3.54    | 0.67        | 0.35          | 16.14   | 14.65  | 1.73      | 1.38          | SL01 4918 ZZ | 35           |
| SE.355.4918.8,5   | 13.98             | 3.54    | 0.63        | 0.33          | 16.14   | 14.61  | 1.73      | 1.38          | SL01 4918 ZZ | 36           |
| SE.355.4918.9,5   | 13.98             | 3.54    | 0.71        | 0.37          | 16.14   | 14.69  | 1.73      | 1.38          | SL01 4918 ZZ | 39           |
| SE.355.4918.10    | 13.98             | 3.54    | 0.75        | 0.39          | 16.14   | 14.72  | 1.73      | 1.38          | SL01 4918 ZZ | 40           |
| SE.355.4926.9     | 13.98             | 5.12    | 0.67        | 0.35          | 16.14   | 14.65  | 2.32      | 1.97          | SL01 4926 PP | 51           |
| SE.360.5016.10    | 14.17             | 3.15    | 0.75        | 0.39          | 16.54   | 14.92  | 2.17      | 2.36          | SL04 5016 PP | 39           |
| SE.360.5016.9,5   | 14.17             | 3.15    | 0.71        | 0.37          | 16.54   | 14.88  | 2.17      | 2.36          | SL04 5016 PP | 48           |
| SE.360.5016.8,5   | 14.17             | 3.15    | 0.63        | 0.33          | 16.54   | 14.80  | 2.17      | 2.36          | SL04 5016 PP | 48           |
| SE.360.4918.10    | 14.17             | 3.54    | 0.75        | 0.39          | 16.54   | 14.92  | 1.73      | 1.38          | SL01 4918 ZZ | 41           |
| SE.360.4918.9,5   | 14.17             | 3.54    | 0.71        | 0.37          | 16.54   | 14.88  | 1.73      | 1.38          | SL01 4918 ZZ | 41           |
| SE.360.4918.8,5   | 14.17             | 3.54    | 0.63        | 0.33          | 16.54   | 14.80  | 1.73      | 1.38          | SL01 4918 ZZ | 42           |
| SE.373.5018.12    | 14.69             | 3.54    | 0.87        | 0.47          | 17.32   | 15.55  | 2.01      | 2.64          | SL04 5018 PP | 54           |
| SE.400.5013.10    | 15.75             | 2.56    | 0.75        | 0.39          | 18.11   | 16.50  | 1.69      | 1.81          | SL04 5013 PP | 55           |
| SE.400.5013.9,5   | 15.75             | 2.56    | 0.71        | 0.37          | 18.11   | 16.46  | 1.69      | 1.81          | SL04 5013 PP | 55           |
| SE.400.5013.8,5   | 15.75             | 2.56    | 0.63        | 0.33          | 18.11   | 16.38  | 1.69      | 1.81          | SL04 5013 PP | 56           |
| SE.400.5014B.11,5 | 15.75             | 2.76    | 0.83        | 0.45          | 18.11   | 16.57  | 1.93      | 2.13          | SL04 5014 PP | 54           |
| SE.400.5014B.10   | 15.75             | 2.76    | 0.75        | 0.39          | 18.11   | 16.50  | 1.93      | 2.13          | SL04 5014 PP | 55           |
| SE.400.5014B.9,5  | 15.75             | 2.76    | 0.71        | 0.37          | 18.11   | 16.46  | 1.93      | 2.13          | SL04 5014 PP | 56           |
| SE.400.5016.12.A  | 15.75             | 3.15    | 0.87        | 0.47          | 18.11   | 16.61  | 1.97      | 2.36          | SL04 5016 PP | 56           |
| SE.400.5016.15    | 15.75             | 3.15    | 1.10        | 0.59          | 18.11   | 16.85  | 2.83      | 2.36          | SL04 160 PP  | 62           |
| SE.400.5016.12    | 15.75             | 3.15    | 0.87        | 0.47          | 18.11   | 16.61  | 2.17      | 2.36          | SL04 5016 PP | 62           |
| SE.400.5016.11,5  | 15.75             | 3.15    | 0.83        | 0.45          | 18.11   | 16.57  | 2.17      | 2.36          | SL04 5016 PP | 62           |
| SE.400.5016.10    | 15.75             | 3.15    | 0.75        | 0.39          | 18.11   | 16.50  | 2.17      | 2.36          | SL04 5016 PP | 63           |
| SE.400.4918.10    | 15.75             | 3.54    | 0.75        | 0.39          | 18.11   | 16.50  | 1.73      | 1.38          | SL01 4918 ZZ | 57           |
| SE.400.5018.9,5   | 15.75             | 3.54    | 0.71        | 0.37          | 18.11   | 16.46  | 2.83      | 2.64          | SL04 160 PP  | 62           |
| SE.400.5018.12    | 15.75             | 3.54    | 0.87        | 0.47          | 18.11   | 16.61  | 2.44      | 2.64          | SL04 5018 PP | 66           |
| SE.400.5018.11,5  | 15.75             | 3.54    | 0.83        | 0.45          | 18.11   | 16.57  | 2.44      | 2.64          | SL04 5018 PP | 67           |
| SE.400.5018.10    | 15.75             | 3.54    | 0.75        | 0.39          | 18.11   | 16.50  | 2.44      | 2.64          | SL04 5018 PP | 68           |
| SE.400.4922.10    | 15.75             | 4.33    | 0.75        | 0.39          | 18.11   | 16.50  | 1.97      | 1.57          | SL01 4922 PP | 56           |

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## WITH CYLINDRICAL ROLLER BEARINGS

| Model No.         | Dimensions (inch) |         |             |               |         |        |           |               | Bearing      | Weight (lbs) |
|-------------------|-------------------|---------|-------------|---------------|---------|--------|-----------|---------------|--------------|--------------|
|                   | Sheave tread ø    | Shaft ø | For wire ød | Groove radius | Outer ø | P.C.D. | Rim width | Bearing width |              |              |
|                   | øD2               | øG      | d           | R             | øD1     | øD3    | E         | F             |              |              |
| SE.400.4924.10    | 15.75             | 4.72    | 0.75        | 0.39          | 18.11   | 16.50  | 2.17      | 1.77          | SL04 160 PP  | 56           |
| SE.400.160.9,5    | 15.75             | 6.30    | 0.71        | 0.37          | 18.11   | 16.46  | 2.83      | 3.15          | SL04 160 PP  | 74           |
| SE.400.160.12     | 15.75             | 6.30    | 0.87        | 0.47          | 18.11   | 16.61  | 2.83      | 3.15          | SL04 160 PP  | 74           |
| SE.438.5018.12    | 17.24             | 3.54    | 0.87        | 0.47          | 19.69   | 18.11  | 2.28      | 2.64          | SL04 5018 PP | 61           |
| SE.450.5018.15    | 17.72             | 3.54    | 1.10        | 0.59          | 20.28   | 18.82  | 2.44      | 2.64          | SL04 5018 PP | 86           |
| SE.450.5018.13,5  | 17.72             | 3.54    | 0.98        | 0.53          | 20.28   | 18.70  | 2.44      | 2.64          | SL04 5018 PP | 88           |
| SE.450.5018.12    | 17.72             | 3.54    | 0.87        | 0.47          | 20.28   | 18.58  | 2.44      | 2.64          | SL04 5018 PP | 89           |
| SE.450.5018.10    | 17.72             | 3.54    | 0.75        | 0.39          | 20.28   | 18.46  | 2.44      | 2.64          | SL04 5018 PP | 91           |
| SE.450.5018.10,5  | 17.72             | 3.54    | 0.79        | 0.41          | 20.28   | 18.50  | 2.44      | 2.64          | SL04 5018 PP | 91           |
| SE.450.5018.13    | 17.72             | 3.54    | 0.94        | 0.51          | 20.28   | 18.66  | 2.44      | 2.64          | SL04 5018 PP | 91           |
| SE.450.5024.15    | 17.72             | 4.72    | 1.10        | 0.59          | 20.28   | 18.82  | 2.95      | 3.15          | SL04 5024 PP | 100          |
| SE.450.5024.13,5  | 17.72             | 4.72    | 0.98        | 0.53          | 20.28   | 18.70  | 2.95      | 3.15          | SL04 5024 PP | 102          |
| SE.450.5024.12    | 17.72             | 4.72    | 0.87        | 0.47          | 20.28   | 18.58  | 2.95      | 3.15          | SL04 5024 PP | 103          |
| SE.450.5024.10    | 17.72             | 4.72    | 0.75        | 0.39          | 20.28   | 18.46  | 2.95      | 3.15          | SL04 5024 PP | 105          |
| SE.450.4926.12    | 17.72             | 5.12    | 0.87        | 0.47          | 20.28   | 18.58  | 2.36      | 1.97          | SL01 4926 PP | 83           |
| SE.450.4926.10    | 17.72             | 5.12    | 0.75        | 0.39          | 20.28   | 18.46  | 2.36      | 1.97          | SL01 4926 PP | 84           |
| SE.450.4926.13,5  | 17.72             | 5.12    | 0.98        | 0.53          | 20.28   | 18.70  | 2.36      | 1.97          | SL01 4926 PP | 92           |
| SE.450.4830.10    | 17.72             | 5.91    | 0.75        | 0.39          | 20.28   | 18.46  | 2.17      | 1.57          | SL01 4830    | 78           |
| SE.450.160.10     | 17.72             | 6.30    | 0.75        | 0.39          | 20.28   | 18.46  | 2.95      | 3.15          | SL04 160 PP  | 100          |
| SE.482.5018.11    | 18.98             | 3.54    | 0.79        | 0.45          | 22.05   | 19.76  | 2.44      | 2.64          | SL04 5018 PP | 100          |
| SE.482.5018.11,5  | 18.98             | 3.54    | 0.83        | 0.45          | 22.05   | 19.80  | 2.44      | 2.64          | SL04 5018 PP | 100          |
| SE.482.5018.12    | 18.98             | 3.54    | 0.83        | 0.45          | 22.05   | 19.80  | 2.44      | 2.64          | SL04 5018 PP | 100          |
| SE.482.5018.10,5  | 18.98             | 3.54    | 0.79        | 0.41          | 22.05   | 19.76  | 2.44      | 2.64          | SL04 5018 PP | 101          |
| SE.482.5024.11    | 18.98             | 4.72    | 0.79        | 0.43          | 22.05   | 19.76  | 2.44      | 3.15          | SL04 5024 PP | 110          |
| SE.482.160.11     | 18.98             | 6.30    | 0.79        | 0.43          | 22.05   | 19.76  | 2.44      | 3.15          | SL04 160 PP  | 108          |
| SE.500.5018B.13,5 | 19.69             | 3.54    | 0.98        | 0.53          | 22.44   | 20.67  | 2.40      | 2.64          | SL04 5018 PP | 103          |
| SE.511.5020.10.M  | 20.12             | 3.94    | 0.75        | 0.39          | 22.99   | 20.87  | 2.24      | 2.64          | SL04 5020 PP | 63           |
| SE.528.5018.14    | 20.79             | 3.54    | 1.02        | 0.55          | 23.43   | 21.81  | 2.40      | 2.64          | SL04 5018 PP | 100          |
| SE.528.5018.15    | 20.79             | 3.54    | 1.10        | 0.59          | 23.43   | 21.89  | 2.40      | 2.64          | SL04 5018 PP | 110          |
| SE.528.5018.13,5  | 20.79             | 3.54    | 0.98        | 0.53          | 23.43   | 21.77  | 2.40      | 2.64          | SL04 5018 PP | 111          |
| SE.528.5018.12    | 20.79             | 3.54    | 0.87        | 0.47          | 23.43   | 21.65  | 2.40      | 2.64          | SL04 5018 PP | 112          |
| SE.528.5018.13    | 20.79             | 3.54    | 0.94        | 0.51          | 23.43   | 21.73  | 2.40      | 2.64          | SL04 5018 PP | 112          |
| SE.528.5018.14.B  | 20.79             | 3.54    | 1.02        | 0.55          | 23.43   | 21.81  | 2.40      | 2.64          | SL04 5018 PP | 112          |
| SE.528.5024.15    | 20.79             | 4.72    | 1.10        | 0.59          | 23.43   | 21.89  | 2.91      | 3.15          | SL04 5024 PP | 125          |
| SE.528.5024.13,5  | 20.79             | 4.72    | 0.98        | 0.53          | 23.43   | 21.77  | 2.91      | 3.15          | SL04 5024 PP | 127          |
| SE.528.5024.14    | 20.79             | 4.72    | 1.02        | 0.55          | 23.43   | 21.81  | 2.91      | 3.15          | SL04 5024 PP | 140          |
| SE.528.160.15     | 20.79             | 6.30    | 1.10        | 0.59          | 23.43   | 21.89  | 2.83      | 3.15          | SL04 160 PP  | 116          |
| SE.528.160.14     | 20.79             | 6.30    | 1.02        | 0.55          | 23.43   | 21.81  | 2.91      | 3.15          | SL04 160 PP  | 117          |
| SE.528.160.13,5   | 20.79             | 6.30    | 0.98        | 0.53          | 23.43   | 21.77  | 2.91      | 3.15          | SL04 160 PP  | 118          |
| SE.528.160.13     | 20.79             | 6.30    | 0.94        | 0.51          | 23.43   | 21.73  | 2.91      | 3.15          | SL04 160 PP  | 135          |
| SE.528.4836.13    | 20.79             | 7.09    | 0.94        | 0.51          | 23.43   | 21.73  | 2.32      | 1.77          | SL01 4836 PP | 105          |
| SE.528.200.13     | 20.79             | 7.87    | 0.94        | 0.51          | 23.43   | 21.73  | 2.91      | 3.15          | SL04 200 PP  | 125          |

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## << CAST SHEAVES >>

## WITH CYLINDRICAL ROLLER BEARINGS

| Model No.        | Dimensions (inch) |         |             |               |         |        |           |               | Bearing      | Weight (lbs) |
|------------------|-------------------|---------|-------------|---------------|---------|--------|-----------|---------------|--------------|--------------|
|                  | Sheave tread ø    | Shaft ø | For wire ød | Groove radius | Outer ø | P.C.D. | Rim width | Bearing width |              |              |
|                  | øD2               | øG      | d           | R             | øD1     | øD3    | E         | F             |              |              |
| SE.528.200.13,5  | 20.79             | 7.87    | 0.98        | 0.53          | 23.43   | 21.77  | 2.91      | 3.15          | SL04 200 PP  | 125          |
| SE.528.200.15    | 20.79             | 7.87    | 1.10        | 0.59          | 23.43   | 21.89  | 2.91      | 3.15          | SL04 200 PP  | 143          |
| SE.536.130.14.M  | 21.10             | 5.12    | 1.02        | 0.55          | 24.02   | 22.13  | 2.56      | 3.15          | SL04 130 PP  | 99           |
| SE.575.5022.16   | 22.64             | 4.33    | 1.18        | 0.63          | 25.59   | 23.82  | 2.91      | 3.15          | SL04 5022 PP | 159          |
| SE.575.5022.14   | 22.64             | 4.33    | 1.02        | 0.55          | 25.59   | 23.66  | 2.91      | 3.15          | SL04 5022 PP | 162          |
| SE.575.5022.15   | 22.64             | 4.33    | 1.10        | 0.59          | 25.59   | 23.74  | 2.91      | 3.15          | SL04 5022 PP | 162          |
| SE.575.5024.17   | 22.64             | 4.72    | 1.26        | 0.67          | 25.59   | 23.90  | 2.91      | 3.15          | SL04 5024 PP | 156          |
| SE.575.5024.15   | 22.64             | 4.72    | 1.10        | 0.59          | 25.59   | 23.74  | 2.91      | 3.15          | SL04 5024 PP | 158          |
| SE.575.5024.16   | 22.64             | 4.72    | 1.18        | 0.63          | 25.59   | 23.82  | 2.91      | 3.15          | SL04 5024 PP | 158          |
| SE.575.5024.14   | 22.64             | 4.72    | 1.02        | 0.55          | 25.59   | 23.66  | 2.91      | 3.15          | SL04 5024 PP | 160          |
| SE.575.160.15    | 22.64             | 6.30    | 1.10        | 0.59          | 25.59   | 23.74  | 2.91      | 3.15          | SL04 160 PP  | 157          |
| SE.575.160.14    | 22.64             | 6.30    | 1.02        | 0.55          | 25.59   | 23.66  | 2.91      | 3.15          | SL04 160 PP  | 158          |
| SE.575.200.15    | 22.64             | 7.87    | 1.10        | 0.59          | 25.59   | 23.74  | 2.91      | 3.15          | SL04 200 PP  | 167          |
| SE.575.200.14    | 22.64             | 7.87    | 1.02        | 0.55          | 25.59   | 23.66  | 2.91      | 3.15          | SL04 200 PP  | 169          |
| SE.630.5022B.16  | 24.80             | 4.33    | 1.18        | 0.63          | 27.95   | 25.98  | 2.91      | 3.15          | SL04 5022 PP | 184          |
| SE.630.5024.17   | 24.80             | 4.72    | 1.26        | 0.67          | 27.95   | 26.06  | 2.91      | 3.15          | SL04 5024 PP | 183          |
| SE.630.5024.16   | 24.80             | 4.72    | 1.18        | 0.63          | 27.95   | 25.98  | 2.91      | 3.15          | SL04 5024 PP | 184          |
| SE.630.5024.15   | 24.80             | 4.72    | 1.10        | 0.59          | 27.95   | 25.91  | 2.91      | 3.15          | SL04 5024 PP | 186          |
| SE.630.160.17    | 24.80             | 6.30    | 1.26        | 0.67          | 27.95   | 26.06  | 2.91      | 3.15          | SL04 160 PP  | 179          |
| SE.630.160.16    | 24.80             | 6.30    | 1.18        | 0.63          | 27.95   | 25.98  | 2.91      | 3.15          | SL04 160 PP  | 181          |
| SE.630.160.15    | 24.80             | 6.30    | 1.10        | 0.59          | 27.95   | 25.91  | 2.91      | 3.15          | SL04 160 PP  | 182          |
| SE.630.200.17    | 24.80             | 7.87    | 1.26        | 0.67          | 27.95   | 26.06  | 2.91      | 3.15          | SL04 200 PP  | 190          |
| SE.630.200.16    | 24.80             | 7.87    | 1.18        | 0.63          | 27.95   | 25.98  | 2.91      | 3.15          | SL04 200 PP  | 191          |
| SE.630.200.15    | 24.80             | 7.87    | 1.10        | 0.59          | 27.95   | 25.91  | 2.91      | 3.15          | SL04 200 PP  | 193          |
| SE.646.5030.18   | 25.43             | 5.91    | 1.34        | 0.71          | 29.13   | 26.77  | 3.15      | 3.94          | SL04 5030 PP | 200          |
| SE.670.5024.17   | 26.38             | 4.72    | 1.26        | 0.67          | 29.92   | 27.64  | 2.91      | 3.15          | SL04 5024 PP | 197          |
| SE.670.5024.15   | 26.38             | 4.72    | 1.10        | 0.59          | 29.92   | 27.48  | 2.91      | 3.15          | SL04 5024 PP | 201          |
| SE.670.5024.13,5 | 26.38             | 4.72    | 0.98        | 0.53          | 29.92   | 27.36  | 2.91      | 3.15          | SL04 5024 PP | 204          |
| SE.670.160.17    | 26.38             | 6.30    | 1.26        | 0.67          | 29.92   | 27.64  | 2.91      | 3.15          | SL04 160 PP  | 199          |
| SE.670.160.15    | 26.38             | 6.30    | 1.10        | 0.59          | 29.92   | 27.48  | 2.91      | 3.15          | SL04 160 PP  | 203          |
| SE.670.160.13,5  | 26.38             | 6.30    | 0.98        | 0.53          | 29.92   | 27.36  | 2.91      | 3.15          | SL04 160 PP  | 206          |
| SE.670.200.13,5  | 26.38             | 7.87    | 0.98        | 0.53          | 29.92   | 27.36  | 2.91      | 3.15          | SL04 200 PP  | 206          |
| SE.670.200.17    | 26.38             | 7.87    | 1.26        | 0.67          | 29.92   | 27.64  | 2.91      | 3.15          | SL04 200 PP  | 210          |
| SE.670.200.15    | 26.38             | 7.87    | 1.10        | 0.59          | 29.92   | 27.48  | 2.91      | 3.15          | SL04 200 PP  | 213          |
| SE.685.5028.16   | 26.97             | 5.51    | 1.18        | 0.63          | 31.22   | 28.15  | 3.54      | 3.74          | SL04 5028 PP | 279          |
| SE.685.5028.18   | 26.97             | 5.51    | 1.34        | 0.71          | 31.22   | 28.31  | 3.54      | 3.74          | SL04 5028 PP | 279          |
| SE.688.5024.17   | 27.09             | 4.72    | 1.26        | 0.67          | 30.71   | 28.35  | 2.91      | 3.15          | SL04 5024 PP | 231          |
| SE.688.5036.17   | 27.09             | 7.09    | 1.26        | 0.67          | 30.71   | 28.35  | 2.91      | 5.35          | SL04 5036 PP | 275          |
| SE.710.5022.18   | 27.95             | 4.33    | 1.34        | 0.71          | 31.50   | 29.29  | 2.83      | 3.15          | SL04 5022 PP | 217          |
| SE.710.5022.17   | 27.95             | 4.33    | 1.26        | 0.67          | 31.50   | 29.21  | 2.83      | 3.15          | SL04 5022 PP | 220          |
| SE.710.5024.18   | 27.95             | 4.72    | 1.34        | 0.71          | 31.50   | 29.29  | 2.83      | 3.15          | SL04 5024 PP | 208          |
| SE.710.5024.20   | 27.95             | 4.72    | 1.50        | 0.79          | 31.50   | 29.45  | 2.83      | 3.15          | SL04 5024 PP | 208          |

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## << CAST SHEAVES >>

## WITH CYLINDRICAL ROLLER BEARINGS

| Model No.          | Dimensions (inch) |         |             |               |         |        |           |               | Bearing      | Weight (lbs) |
|--------------------|-------------------|---------|-------------|---------------|---------|--------|-----------|---------------|--------------|--------------|
|                    | Sheave tread ø    | Shaft ø | For wire ød | Groove radius | Outer ø | P.C.D. | Rim width | Bearing width |              |              |
|                    | øD2               | øG      | d           | R             | øD1     | øD3    | E         | F             |              |              |
| SE.710.5026.18     | 27.95             | 5.12    | 1.34        | 0.71          | 31.50   | 29.29  | 3.07      | 3.74          | SL04 5026 PP | 216          |
| SE.710.5028.18     | 27.95             | 5.51    | 1.34        | 0.71          | 31.89   | 29.29  | 3.35      | 3.74          | SL04 5028 PP | 235          |
| SE.710.5028.17     | 27.95             | 5.51    | 1.26        | 0.67          | 31.89   | 29.21  | 3.35      | 3.74          | SL04 5028 PP | 237          |
| SE.710.5030.18     | 27.95             | 5.91    | 1.34        | 0.71          | 31.89   | 29.29  | 3.54      | 3.94          | SL04 5030 PP | 238          |
| SE.710.5030.17     | 27.95             | 5.91    | 1.26        | 0.67          | 31.89   | 29.21  | 3.54      | 3.94          | SL04 5030 PP | 240          |
| SE.720.5030.18     | 28.35             | 5.91    | 1.34        | 0.71          | 32.68   | 29.69  | 3.54      | 3.94          | SL04 5030 PP | 248          |
| SE.750.226.13      | 29.53             | 10.24   | 0.94        | 0.51          | 32.68   | 30.47  | 2.83      | 3.70          | SL04 260 PP  | 358          |
| SE.760.5026.20,5   | 29.92             | 5.12    | 1.54        | 0.81          | 33.86   | 31.46  | 2.95      | 3.74          | SL04 5026 PP | 304          |
| SE.760.5030.20     | 29.92             | 5.91    | 1.50        | 0.79          | 33.86   | 31.42  | 3.35      | 3.94          | SL04 5030 PP | 295          |
| SE.760.220.22      | 29.92             | 8.66    | 1.61        | 0.87          | 34.65   | 31.54  | 3.54      | 3.74          | SL04 220 PP  | 314          |
| SE.760.220.21      | 29.92             | 8.66    | 1.57        | 0.83          | 34.65   | 31.50  | 3.54      | 3.74          | SL04 220 PP  | 317          |
| SE.800.5022.16,5   | 31.50             | 4.33    | 1.22        | 0.63          | 35.04   | 32.72  | 2.76      | 3.15          | SL04 5022 PP | 300          |
| SE.800.5024.16     | 31.50             | 4.72    | 1.18        | 0.63          | 35.04   | 32.68  | 2.76      | 3.15          | SL04 5024 PP | 280          |
| SE.800.5024.20     | 31.50             | 4.72    | 1.50        | 0.79          | 35.04   | 32.99  | 2.76      | 3.15          | SL04 5024 PP | 280          |
| SE.800.5026.17     | 31.50             | 5.12    | 1.26        | 0.67          | 35.04   | 32.76  | 2.95      | 3.74          | SL04 5026 PP | 286          |
| SE.800.5026.18     | 31.50             | 5.12    | 1.34        | 0.71          | 35.04   | 32.83  | 2.95      | 3.74          | SL04 5026 PP | 294          |
| SE.800.5026.20     | 31.50             | 5.12    | 1.50        | 0.79          | 35.04   | 32.99  | 2.95      | 3.74          | SL04 5026 PP | 294          |
| SE.800.5028.22,5   | 31.50             | 5.51    | 1.65        | 0.89          | 35.04   | 33.15  | 3.35      | 3.74          | SL04 5028 PP | 328          |
| SE.800.5028.21     | 31.50             | 5.51    | 1.57        | 0.83          | 35.04   | 33.07  | 3.35      | 3.74          | SL04 5028 PP | 331          |
| SE.800.5028.20     | 31.50             | 5.51    | 1.50        | 0.79          | 35.04   | 32.99  | 3.35      | 3.74          | SL04 5028 PP | 333          |
| SE.800.5028.19     | 31.50             | 5.51    | 1.42        | 0.75          | 35.04   | 32.91  | 3.35      | 3.74          | SL04 5028 PP | 335          |
| SE.800.5030.23,5   | 31.50             | 5.91    | 1.73        | 0.93          | 35.04   | 33.23  | 3.54      | 3.94          | SL04 5030 PP | 329          |
| SE.800.5030.21     | 31.50             | 5.91    | 1.57        | 0.83          | 35.04   | 33.07  | 3.54      | 3.94          | SL04 5030 PP | 335          |
| SE.800.5030.20     | 31.50             | 5.91    | 1.50        | 0.79          | 35.04   | 32.99  | 3.54      | 3.94          | SL04 5030 PP | 337          |
| SE.800.5030.22,5   | 31.50             | 5.91    | 1.65        | 0.89          | 35.04   | 33.15  | 3.54      | 3.94          | SL04 5030 PP | 352          |
| SE.816.5028.18     | 32.13             | 5.51    | 1.34        | 0.71          | 36.06   | 33.46  | 3.15      | 3.74          | SL04 5028 PP | 321          |
| SE.822.5026.15     | 32.36             | 5.12    | 1.10        | 0.59          | 35.67   | 33.46  | 2.95      | 3.74          | SL04 5026 PP | 277          |
| SE.830.232.15      | 32.68             | 6.30    | 1.10        | 0.59          | 35.83   | 33.78  | 2.87      | 4.17          | NJ-232-E     | 488          |
| SE.850.232.15      | 33.46             | 6.30    | 1.10        | 0.59          | 37.01   | 34.57  | 3.15      | 4.17          | NJ-232-E     | 438          |
| SE.864.324.15      | 34.02             | 4.72    | 1.10        | 0.59          | 38.39   | 35.12  | 3.94      | 2.17          | 2x NJ-324-E  | 341          |
| SE.864.324.19      | 34.02             | 4.72    | 1.42        | 0.75          | 38.39   | 35.43  | 3.94      | 2.17          | 2x NJ-324-E  | 341          |
| SE.874.5036.23,5   | 34.41             | 7.09    | 1.73        | 0.93          | 39.53   | 36.14  | 4.21      | 5.35          | SL04 5036 PP | 563          |
| SE.876.260.26,5    | 34.49             | 10.24   | 1.97        | 1.04          | 40.00   | 36.46  | 4.06      | 3.70          | SL04 260 PP  | 527          |
| SE.900.5026.19     | 35.43             | 5.12    | 1.42        | 0.75          | 39.76   | 36.85  | 3.43      | 3.74          | SL04 5026 PP | 385          |
| SE.900.5030.22,5   | 35.43             | 5.91    | 1.65        | 0.89          | 39.76   | 37.09  | 3.43      | 3.94          | SL04 5030 PP | 389          |
| SE.900.5030.23,5   | 35.43             | 5.91    | 1.73        | 0.93          | 39.76   | 37.17  | 3.43      | 3.94          | SL04 5030 PP | 389          |
| SE.900.5030.25,5   | 35.43             | 5.91    | 1.89        | 1.00          | 39.76   | 37.32  | 3.43      | 3.94          | SL04 5030 PP | 389          |
| SE.950.260.26,5    | 37.40             | 10.24   | 1.97        | 1.04          | 43.07   | 39.37  | 4.33      | 3.70          | SL04 260 PP  | 560          |
| SE.960.5034.21,5,H | 37.80             | 6.69    | 1.57        | 0.85          | 42.52   | 39.37  | 4.33      | 4.80          | SL04 5034 PP | 565          |
| SE.960.5034.23,5   | 37.80             | 6.69    | 1.73        | 0.93          | 42.52   | 39.53  | 4.33      | 4.80          | SL04 5034 PP | 565          |
| SE.960.5036.21,5   | 37.80             | 7.09    | 1.57        | 0.85          | 42.52   | 39.37  | 4.33      | 5.35          | SL04 5036 PP | 572          |
| SE.960.5036.21,5,H | 37.80             | 7.09    | 1.57        | 0.85          | 42.52   | 39.37  | 4.33      | 5.35          | SL04 5036 PP | 579          |

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## << CAST SHEAVES

## WITH CYLINDRICAL ROLLER BEARINGS

| Model No.          | Dimensions (inch) |         |             |               |         |        |           |               | Bearing      | Weight (lbs) |
|--------------------|-------------------|---------|-------------|---------------|---------|--------|-----------|---------------|--------------|--------------|
|                    | Sheave tread ø    | Shaft ø | For wire ød | Groove radius | Outer ø | P.C.D. | Rim width | Bearing width |              |              |
|                    | øD2               | øG      | d           | R             | øD1     | øD3    | E         | F             |              |              |
| SE.960.5038.21,5   | 37.80             | 7.48    | 1.57        | 0.85          | 42.52   | 39.37  | 4.33      | 5.35          | SL04 5038 PP | 572          |
| SE.960.5040.21,5.H | 37.80             | 7.87    | 1.57        | 0.85          | 42.52   | 39.37  | 4.33      | 5.91          | SL04 5040 PP | 587          |
| SE.1004.5030.27    | 39.53             | 5.91    | 2.01        | 1.07          | 44.06   | 41.54  | 3.74      | 3.94          | SL04 5030 PP | 436          |
| SE.1010.5022.18,5  | 39.76             | 4.33    | 1.38        | 0.73          | 43.90   | 41.14  | 3.15      | 2.56          | SL04 5022 PP | 438          |
| SE.1040.5034.30    | 40.94             | 6.69    | 2.20        | 1.18          | 46.46   | 43.15  | 4.49      | 4.80          | SL04 5034PP  | 613          |
| SE.1040.5034.23,5  | 40.94             | 6.69    | 1.73        | 0.93          | 46.46   | 42.68  | 4.33      | 3.90          | SL04 5034 PP | 634          |
| SE.1040.5036.26,5  | 40.94             | 7.09    | 1.97        | 1.04          | 46.46   | 42.91  | 4.49      | 4.33          | SL04 5036 PP | 711          |
| SE.1040.5038.30    | 40.94             | 7.48    | 2.20        | 1.18          | 46.46   | 43.15  | 4.49      | 5.35          | SL04 5038PP  | 627          |
| SE.1060.5044.37    | 41.73             | 8.66    | 2.76        | 1.46          | 47.24   | 44.49  | 5.51      | 5.87          | SL04 5044 PP | 1052         |
| SE.1120.5034.29,5  | 44.09             | 6.69    | 2.17        | 1.16          | 50.39   | 46.26  | 4.92      | 3.90          | SL04 5034 PP | 876          |
| SE.1120.5038.27    | 44.09             | 7.48    | 2.01        | 1.06          | 50.39   | 46.10  | 4.92      | 4.33          | SL04 5038 PP | 893          |
| SE.1130.5044.27    | 44.49             | 8.66    | 2.01        | 1.06          | 51.18   | 46.50  | 5.75      | 5.12          | SL04 5044 PP | 1071         |
| SE.1200.5040.27,5  | 47.24             | 7.87    | 2.05        | 1.08          | 53.94   | 49.29  | 5.51      | 4.72          | SL04 5040PP  | 1140         |
| SE.1200.5044.32    | 47.24             | 8.66    | 2.36        | 1.26          | 53.94   | 49.61  | 5.75      | 6.30          | SL04 5044 PP | 1124         |
| SE.1250.5044.29    | 49.21             | 8.66    | 2.13        | 1.14          | 55.71   | 51.34  | 5.31      | 5.12          | SL04 5044 PP | 1459         |
| SE.1280.5044.34    | 50.39             | 8.66    | 2.52        | 1.34          | 57.87   | 52.91  | 5.83      | 6.30          | SL04 5044 PP | 1373         |
| SE.1280.5044.30    | 50.39             | 8.66    | 2.20        | 1.18          | 57.87   | 52.60  | 5.83      | 5.12          | SL04 5044 PP | 1384         |
| SE.1280.5044.32    | 50.39             | 8.66    | 2.36        | 1.26          | 57.87   | 52.76  | 5.83      | 5.12          | SL04 5044 PP | 1384         |
| SE.1445.5052.39,5  | 56.89             | 10.24   | 2.95        | 1.56          | 65.39   | 59.84  | 6.69      | 6.06          | SL04 5052 PP | 2246         |
| SE.1540.5056.38    | 57.09             | 11.02   | 2.83        | 1.50          | 68.70   | 59.92  | 6.69      | 6.06          | SL04 5056 PP | 2486         |
| SE.1820.5052.39,5  | 71.65             | 10.24   | 2.95        | 1.56          | 80.55   | 74.61  | 6.69      | 6.06          | SL04 5052 PP | 2933         |
| SE.2660.5056.38    | 104.72            | 11.02   | 2.83        | 1.50          | 112.80  | 107.56 | 6.30      | 7.48          | SL04 5056 PP | 5101         |

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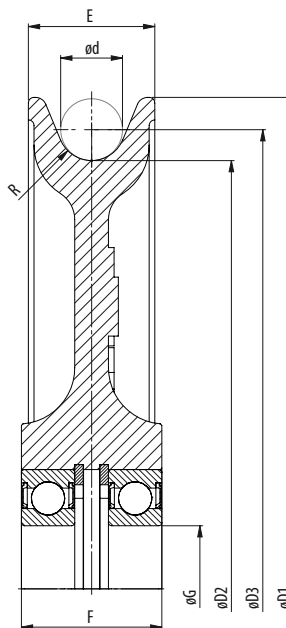


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## CAST SHEAVES, RIGGING

## WITH BALL BEARINGS



| Model No.         | Dimensions (inch) |         |             |               |         |        |           |               | Bearing   | Weight (lbs) |
|-------------------|-------------------|---------|-------------|---------------|---------|--------|-----------|---------------|-----------|--------------|
|                   | Sheave tread ø    | Shaft ø | For wire ød | Groove radius | Outer ø | P.C.D. | Rim width | Bearing width |           |              |
|                   | øD2               | øG      | d           | R             | øD1     | øD3    | E         | F             |           |              |
| SEF.80.6002.4,5   | 3.15              | 0.59    | 0.31        | 0.18          | 3.94    | 3.46   | 0.71      | 0.79          | 2x6002-RS | 2            |
| SEF.105.60-22.5,5 | 4.13              | 0.87    | 0.39        | 0.22          | 4.92    | 4.53   | 0.91      | 1.08          | 2x6022-RS | 3            |
| SEF.120.6206.6,5  | 4.72              | 1.18    | 0.47        | 0.26          | 5.91    | 5.20   | 1.42      | 1.57          | 2x6206-RS | 7            |
| SEF.165.6206.7,5  | 6.50              | 1.18    | 0.55        | 0.30          | 7.87    | 7.05   | 1.42      | 1.57          | 2x6206-RS | 10           |
| SEF.210.6207.9,5  | 8.27              | 1.38    | 0.71        | 0.37          | 9.84    | 8.98   | 1.57      | 1.77          | 2x6207-RS | 18           |
| SEF.255.6208.11   | 10.04             | 1.57    | 0.79        | 0.43          | 11.81   | 10.83  | 1.77      | 1.97          | 2x6208-RS | 26           |
| SEF.305.6209.12   | 12.01             | 1.77    | 0.87        | 0.47          | 13.78   | 12.87  | 1.77      | 1.97          | 2x6209-RS | 37           |
| SEF.345.6210.13   | 13.58             | 1.97    | 0.94        | 0.51          | 15.75   | 14.53  | 2.17      | 2.36          | 2x6210-RS | 53           |

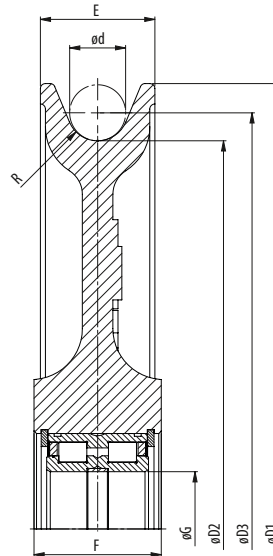
- Different shaft sizes possible.
- Groove may be adjusted to other wire rope diameters.



**SEE OUR WARNING & SAFETY INFORMATION**

## CAST SHEAVES, RIGGING

## WITH CYLINDRICAL ROLLER BEARINGS



| Model No.          | Dimensions (inch) |         |             |               |         |        |           |               | Bearing      | Weight (lbs) |
|--------------------|-------------------|---------|-------------|---------------|---------|--------|-----------|---------------|--------------|--------------|
|                    | Sheave tread ø    | Shaft ø | For wire ød | Groove radius | Outer ø | P.C.D. | Rim width | Bearing width |              |              |
|                    | øD2               | øG      | d           | R             | øD1     | øD3    | E         | F             |              |              |
| SEF.120.5005.6,5   | 4.72              | 0.98    | 0.47        | 0.26          | 5.91    | 5.20   | 1.42      | 1.57/1.18     | SL04 5005 PP | 15           |
| SEF.120.5006.6,5   | 4.72              | 1.18    | 0.47        | 0.26          | 5.91    | 5.20   | 1.42      | 1.57/1.33     | SL04 5006 PP | 7            |
| SEF.165.5006.7,5   | 6.50              | 1.18    | 0.55        | 0.30          | 7.87    | 7.05   | 1.42      | 1.57/1.33     | SL04 5006 PP | 10           |
| SEF.195.5012.12    | 7.68              | 2.36    | 0.87        | 0.47          | 9.84    | 8.54   | 1.97      | 2.36          | SL04 5012 PP | 29           |
| SEF.210.5007.9,5   | 8.27              | 1.38    | 0.71        | 0.37          | 9.84    | 8.98   | 1.57      | 1.77/1.41     | SL04 5007 PP | 18           |
| SEF.255.5008.9,5   | 8.27              | 1.57    | 0.71        | 0.39          | 9.84    | 8.98   | 1.34      | 1.50          | SL04 5008 PP | 13           |
| SEF.210.5008.6     | 8.27              | 1.57    | 0.43        | 0.24          | 9.84    | 8.70   | 1.34      | 1.50          | SL04 5008 PP | 14           |
| SEF.210.5008.9,5   | 8.27              | 1.57    | 0.71        | 0.37          | 9.84    | 8.98   | 1.57      | 1.77/1.41     | SL04 5008 PP | 18           |
| SEF.250.5013.13    | 9.84              | 2.56    | 0.94        | 0.51          | 11.81   | 10.79  | 2.17      | 2.36          | SL04 5013 PP | 29           |
| SEF.255.5008.11    | 10.04             | 1.57    | 0.79        | 0.43          | 11.81   | 10.83  | 1.77      | 1.96/1.49     | SL04 5008 PP | 26           |
| SEF.255.5010.8,5   | 10.04             | 1.97    | 0.63        | 0.33          | 11.81   | 10.67  | 1.42      | 1.57          | SL04 5010 PP | 19           |
| SEF.305.5009.12    | 12.01             | 1.77    | 0.87        | 0.47          | 13.78   | 12.87  | 1.77      | 1.96/1.57     | SL04 5009 PP | 37           |
| SEF.305.5012.8,5   | 12.01             | 2.36    | 0.63        | 0.33          | 13.78   | 12.64  | 1.77      | 1.81          | SL04 5012 PP | 30           |
| SEF.305.5015.14    | 12.01             | 2.95    | 1.02        | 0.55          | 13.78   | 13.03  | 2.76      | 2.76          | SL04 5015 PP | 51           |
| SEF.345.5010.13    | 13.58             | 1.97    | 0.94        | 0.51          | 15.75   | 14.53  | 2.17      | 2.36/1.57     | SL04 5010 PP | 53           |
| SEF.345.5018.15    | 13.58             | 3.54    | 1.10        | 0.59          | 15.75   | 14.69  | 2.95      | 2.13          | SL04 5018 PP | 66           |
| SEF.345.5014.9,5   | 13.58             | 4.72    | 0.71        | 0.37          | 15.75   | 14.29  | 1.97      | 2.13          | SL04 5024 PP | 48           |
| SEF.390.5011.15    | 15.35             | 2.17    | 1.10        | 0.59          | 17.72   | 16.46  | 2.36      | 2.76/1.81     | SL04 5011 PP | 106          |
| SEF.390.5016.11    | 15.35             | 3.15    | 0.79        | 0.43          | 17.72   | 16.14  | 2.36      | 2.36          | SL04 5016 PP | 68           |
| SEF.390.5020.17    | 15.35             | 3.94    | 1.26        | 0.67          | 17.72   | 16.61  | 2.95      | 3.35          | SL04 5020 PP | 84           |
| SEF.430.5012.16    | 16.93             | 2.36    | 1.18        | 0.63          | 19.69   | 18.11  | 2.76      | 3.14/1.81     | SL04 5012 PP | 97           |
| SEF.430.5018.12    | 16.93             | 3.54    | 0.87        | 0.47          | 19.69   | 17.80  | 2.76      | 2.64          | SL04 5018 PP | 98           |
| SEF.430.5024.19,5  | 16.93             | 4.72    | 1.42        | 0.77          | 19.69   | 18.35  | 2.95      | 4.13          | SL04 5024 PP | 169          |
| SEF.480.5014.18    | 18.90             | 2.76    | 1.34        | 0.71          | 21.65   | 20.24  | 2.76      | 3.14/2.12     | SL04 5014 PP | 121          |
| SEF.480.5024.21,5  | 18.90             | 4.72    | 1.57        | 0.85          | 21.65   | 20.47  | 3.15      | 4.13          | SL04 5024 PP | 209          |
| SEF.520.5016.19    | 20.47             | 3.15    | 1.42        | 0.75          | 23.62   | 21.89  | 3.35      | 4.13/2.36     | SL04 5016 PP | 176          |
| SEF.560.5020.20,5  | 22.05             | 3.94    | 1.54        | 0.81          | 26.18   | 23.58  | 3.94      | 4.33          | SL04 5020 PP | 242          |
| SEF.630.5024.21,5  | 24.80             | 4.72    | 1.57        | 0.85          | 27.95   | 26.38  | 3.35      | 4.33/3.14     | SL04 5024 PP | 275          |
| SEF.710.5030.23,5  | 27.95             | 5.91    | 1.73        | 0.93          | 31.89   | 29.69  | 3.86      | 3.94          | SL04 5030 PP | 289          |
| SEF.710.5030.22,5  | 27.95             | 5.91    | 1.65        | 0.89          | 31.89   | 29.61  | 3.86      | 3.94          | SL04 5030 PP | 418          |
| SEF.800.5032.23,5  | 31.50             | 6.30    | 1.73        | 0.93          | 36.22   | 33.23  | 3.94      | 4.29          | SL04 5032 PP | 473          |
| SEF.920.5032.25,5  | 36.22             | 6.30    | 1.89        | 1.00          | 40.55   | 38.11  | 5.12      | 5.91          | SL04 5032 PP | 836          |
| SEF.1020.5036.27,5 | 40.16             | 7.09    | 2.05        | 1.08          | 45.67   | 42.20  | 5.51      | 6.30          | SL04 5036 PP | 1188         |

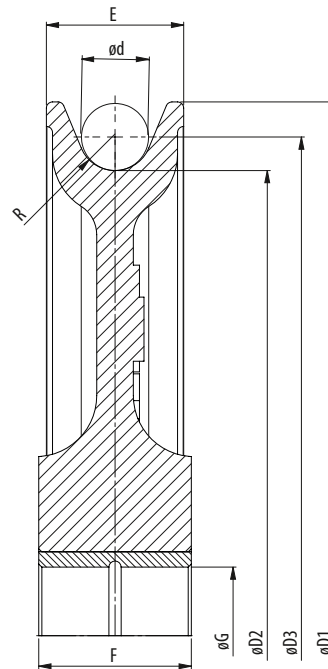
- Different shaft sizes possible.
- Groove may be adjusted to other wire rope diameters.



**SEE OUR WARNING & SAFETY INFORMATION**

## CAST SHEAVES, RIGGING >>

## WITH BRONZE BUSHING



| Model No.         | Dimensions (inch) |         |                |                  |         |        |              |                  | Bearing | Weight (lbs) |
|-------------------|-------------------|---------|----------------|------------------|---------|--------|--------------|------------------|---------|--------------|
|                   | Sheave tread<br>ø | Shaft ø | For wire<br>ød | Groove<br>radius | Outer ø | P.C.D. | Rim<br>width | Bearing<br>width |         |              |
|                   | øD2               | øG      | d              | R                | øD1     | øD3    | E            | F                |         |              |
| SEF.80.15.20.4,5  | 3.15              | 0.59    | 0.31           | 0.18             | 3.94    | 3.46   | 0.71         | 0.79             | Bronze  | 1            |
| SEF.105.22.27.5,5 | 4.13              | 0.87    | 0.39           | 0.22             | 4.92    | 4.53   | 0.91         | 1.06             | Bronze  | 3            |
| SEF.120.30.40.6,5 | 4.72              | 1.18    | 0.47           | 0.26             | 5.91    | 5.20   | 1.42         | 1.57             | Bronze  | 7            |
| SEF.165.30.40.7,5 | 6.50              | 1.18    | 0.55           | 0.30             | 7.87    | 7.05   | 1.42         | 1.57             | Bronze  | 10           |
| SEF.195.60.60.12  | 7.68              | 2.36    | 0.87           | 0.47             | 9.84    | 8.54   | 1.97         | 2.36             | Bronze  | 26           |
| SEF.210.35.45.9,5 | 8.27              | 1.38    | 0.71           | 0.37             | 9.84    | 8.98   | 1.57         | 1.77             | Bronze  | 18           |
| SEF.240.80.62.15  | 9.45              | 3.15    | 1.10           | 0.59             | 11.81   | 10.55  | 2.28         | 2.44             | Bronze  | 26           |
| SEF.250.50.60.8,5 | 9.84              | 1.97    | 0.63           | 0.33             | 11.81   | 10.47  | 1.77         | 2.36             | Bronze  | 31           |
| SEF.250.70.60.13  | 9.84              | 2.76    | 0.94           | 0.51             | 11.81   | 10.79  | 2.17         | 2.36             | Bronze  | 33           |
| SEF.255.40.50.11  | 10.04             | 1.57    | 0.79           | 0.43             | 11.81   | 10.83  | 1.77         | 1.97             | Bronze  | 26           |
| SEF.300.80.62.17  | 11.81             | 3.15    | 1.26           | 0.67             | 14.37   | 13.07  | 2.28         | 2.44             | Bronze  | 33           |
| SEF.300.80.62.15  | 11.81             | 3.15    | 1.10           | 0.59             | 14.37   | 12.91  | 2.28         | 2.44             | Bronze  | 35           |
| SEF.305.45.50.12  | 12.01             | 1.77    | 0.87           | 0.47             | 13.78   | 12.87  | 1.77         | 1.97             | Bronze  | 37           |
| SEF.305.50.50.12  | 12.01             | 1.97    | 0.87           | 0.47             | 13.78   | 12.87  | 1.77         | 1.97             | Bronze  | 31           |
| SEF.305.70.75.14  | 12.01             | 2.76    | 1.02           | 0.55             | 13.78   | 13.03  | 2.76         | 2.95             | Bronze  | 44           |
| SEF.345.50.65.13  | 13.58             | 1.97    | 0.94           | 0.51             | 15.75   | 14.53  | 2.17         | 2.56             | Bronze  | 52           |
| SEF.345.50.60.13  | 13.58             | 1.97    | 0.94           | 0.51             | 15.75   | 14.53  | 2.17         | 2.36             | Bronze  | 53           |
| SEF.345.55.65.13  | 13.58             | 2.17    | 0.94           | 0.51             | 15.75   | 14.53  | 2.17         | 2.56             | Bronze  | 52           |
| SEF.345.60.60.13  | 13.58             | 2.36    | 0.94           | 0.51             | 15.75   | 14.53  | 2.17         | 2.36             | Bronze  | 50           |
| SEF.345.60.70.16  | 13.58             | 2.36    | 1.18           | 0.63             | 15.75   | 14.76  | 2.17         | 2.76             | Bronze  | 50           |
| SEF.345.60.70.15  | 13.58             | 2.36    | 1.10           | 0.59             | 15.75   | 14.69  | 2.17         | 2.76             | Bronze  | 51           |
| SEF.345.70.70.16  | 13.58             | 2.76    | 1.18           | 0.63             | 15.75   | 14.76  | 2.17         | 2.76             | Bronze  | 49           |

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



**SEE OUR WARNING & SAFETY INFORMATION**

>>

## << CAST SHEAVES, RIGGING

## WITH BRONZE BUSHING

| Model No.             | Dimensions (inch) |         |                |                  |         |        |              |                  | Bearing | Weight (lbs) |
|-----------------------|-------------------|---------|----------------|------------------|---------|--------|--------------|------------------|---------|--------------|
|                       | Sheave tread<br>ø | Shaft ø | For wire<br>ød | Groove<br>radius | Outer ø | P.C.D. | Rim<br>width | Bearing<br>width |         |              |
|                       | øD2               | øG      | d              | R                | øD1     | øD3    | E            | F                |         |              |
| SEF.345.70.70.15      | 13.58             | 2.76    | 1.10           | 0.59             | 15.75   | 14.69  | 2.17         | 2.76             | Bronze  | 50           |
| SEF.345.80.80.19      | 13.58             | 3.15    | 1.42           | 0.75             | 15.75   | 15.00  | 2.76         | 3.15             | Bronze  | 67           |
| SEF.345.80.80.17      | 13.58             | 3.15    | 1.26           | 0.67             | 15.75   | 14.84  | 2.76         | 3.15             | Bronze  | 68           |
| SEF.345.80.80.15      | 13.58             | 3.15    | 1.10           | 0.59             | 15.75   | 14.69  | 2.95         | 3.15             | Bronze  | 70           |
| SEF.390.55.70.15      | 15.35             | 2.17    | 1.10           | 0.59             | 17.72   | 16.46  | 2.36         | 2.76             | Bronze  | 79           |
| SEF.390.60.70.16      | 15.35             | 2.36    | 1.10           | 0.63             | 17.72   | 16.46  | 2.36         | 2.76             | Bronze  | 70           |
| SEF.390.70.70.16      | 15.35             | 2.76    | 1.18           | 0.63             | 17.72   | 16.54  | 2.36         | 2.76             | Bronze  | 69           |
| SEF.390.70.70.15      | 15.35             | 2.76    | 1.10           | 0.59             | 17.72   | 16.46  | 2.36         | 2.76             | Bronze  | 70           |
| SEF.390.80.80.20      | 15.35             | 3.15    | 1.50           | 0.79             | 17.72   | 16.85  | 2.76         | 3.15             | Bronze  | 88           |
| SEF.390.80.80.19      | 15.35             | 3.15    | 1.42           | 0.75             | 17.72   | 16.77  | 2.76         | 3.15             | Bronze  | 88           |
| SEF.390.80.80.17      | 15.35             | 3.15    | 1.26           | 0.67             | 17.72   | 16.61  | 2.76         | 3.15             | Bronze  | 90           |
| SEF.390.80.85.19,5    | 15.35             | 3.15    | 1.46           | 0.77             | 17.72   | 16.81  | 2.95         | 3.35             | Bronze  | 92           |
| SEF.390.80.85.17      | 15.35             | 3.15    | 1.26           | 0.67             | 17.72   | 16.61  | 2.95         | 3.35             | Bronze  | 106          |
| SEF.390.90.85.19,5    | 15.35             | 3.54    | 1.46           | 0.77             | 17.72   | 16.81  | 2.95         | 3.35             | Bronze  | 89           |
| SEF.430.60.80.16      | 16.93             | 2.36    | 1.18           | 0.63             | 19.69   | 18.11  | 2.76         | 3.15             | Bronze  | 97           |
| SEF.430.80.80.20      | 16.93             | 3.15    | 1.50           | 0.79             | 19.49   | 18.43  | 2.76         | 3.15             | Bronze  | 95           |
| SEF.430.80.80.17      | 16.93             | 3.15    | 1.26           | 0.67             | 19.49   | 18.19  | 2.76         | 3.15             | Bronze  | 97           |
| SEF.430.100.80.20     | 16.93             | 3.94    | 1.50           | 0.79             | 19.49   | 18.43  | 2.76         | 3.15             | Bronze  | 92           |
| SEF.430.100.80.17     | 16.93             | 3.94    | 1.26           | 0.67             | 19.49   | 18.19  | 2.76         | 3.15             | Bronze  | 95           |
| SEF.430.100.100.19,5  | 16.93             | 3.94    | 1.46           | 0.77             | 19.69   | 18.39  | 3.54         | 3.94             | Bronze  | 176          |
| SEF.480.70.80.18      | 18.90             | 2.76    | 1.34           | 0.71             | 21.65   | 20.24  | 2.76         | 3.15             | Bronze  | 115          |
| SEF.480.120.120.21,5  | 18.90             | 4.72    | 1.57           | 0.85             | 21.65   | 20.47  | 3.94         | 4.72             | Bronze  | 176          |
| SEF.520.80.105.19,5   | 20.47             | 3.15    | 1.46           | 0.77             | 23.62   | 21.93  | 3.35         | 4.13             | Bronze  | 176          |
| SEF.520.120.90.27,5   | 20.47             | 4.72    | 2.05           | 1.08             | 23.43   | 22.52  | 3.15         | 3.54             | Bronze  | 140          |
| SEF.520.120.80.17     | 20.47             | 4.72    | 1.26           | 0.67             | 23.43   | 21.73  | 2.76         | 3.15             | Bronze  | 141          |
| SEF.520.120.90.23,5   | 20.47             | 4.72    | 1.73           | 0.93             | 23.43   | 22.20  | 3.15         | 3.54             | Bronze  | 145          |
| SEF.520.120.90.20     | 20.47             | 4.72    | 1.50           | 0.79             | 23.43   | 21.97  | 3.15         | 3.54             | Bronze  | 149          |
| SEF.560.100.110.20,5  | 22.05             | 3.94    | 1.54           | 0.81             | 26.18   | 23.58  | 3.94         | 4.33             | Bronze  | 242          |
| SEF.630.120.110.21,5  | 24.80             | 4.72    | 1.57           | 0.85             | 27.95   | 26.38  | 3.35         | 4.33             | Bronze  | 252          |
| SEF.710.150.130.23,5  | 27.95             | 5.91    | 1.73           | 0.93             | 31.89   | 29.69  | 3.86         | 5.12             | Bronze  | 374          |
| SEF.800.150.150.22    | 31.50             | 5.91    | 1.73           | 0.87             | 36.22   | 33.23  | 5.12         | 5.91             | Bronze  | 594          |
| SEF.920.160.150.22    | 36.22             | 6.30    | 1.61           | 0.87             | 40.55   | 37.83  | 5.12         | 5.91             | Bronze  | 836          |
| SEF.1020.180.160.24,5 | 40.16             | 7.09    | 1.81           | 0.96             | 45.67   | 41.97  | 5.51         | 6.30             | Bronze  | 1188         |

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



**SEE OUR WARNING & SAFETY INFORMATION**



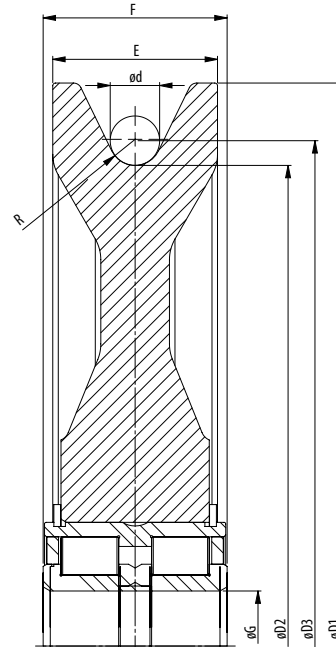
# PLASTIC SHEAVES

Made fully out of Polyamid, plastic wire rope sheaves are the most lightweight sheaves in the Ropeblock portfolio. They come in many sizes, up to approx. 1,000 mm (for larger diameters a hybrid solution can be considered). Plastic sheaves are cost efficient and usually available from stock.

**PLEASE NOTE THAT PLASTIC SHEAVES  
ARE NOT SUITABLE FOR ALL CONDITIONS.  
WE WILL BE HAPPY TO ADVISE.**

## PLASTIC SHEAVES

## WITH CYLINDRICAL ROLLER BEARINGS



| Model No.          | Dimensions (inch) |         |             |               |         |        |           |               | Bearing     | Weight (lbs) |
|--------------------|-------------------|---------|-------------|---------------|---------|--------|-----------|---------------|-------------|--------------|
|                    | Sheave tread ø    | Shaft ø | For wire ød | Groove radius | Outer ø | P.C.D. | Rim width | Bearing width |             |              |
|                    | øD2               | øG      | d           | R             | øD1     | øD3    | E         | F             |             |              |
| SE.260.5010.6,5.K  | 10.24             | 1.97    | 0.47        | 0.26          | 11.81   | 10.71  | 1.34      | 1.57          | SL04 5010PP | 6            |
| SE.285.5012.6,5.K  | 11.22             | 2.36    | 0.47        | 0.26          | 12.80   | 11.69  | 1.34      | 1.81          | SL04 5012PP | 9            |
| SE.350.5014.14.K   | 13.78             | 2.76    | 1.02        | 0.55          | 16.38   | 14.80  | 2.05      | 2.13          | SL04 5014PP | 13           |
| SE.352.5013.9,5.K  | 13.86             | 2.56    | 0.67        | 0.37          | 15.75   | 14.53  | 1.65      | 1.81          | SL04 5013PP | 12           |
| SE.352.5013.8,5.K  | 13.86             | 2.56    | 0.63        | 0.33          | 15.75   | 14.49  | 1.65      | 1.81          | SL04 5013PP | 12           |
| SE.352.5016.8,5.K  | 13.86             | 3.15    | 0.63        | 0.33          | 15.75   | 14.49  | 1.97      | 2.36          | SL04 5016PP | 17           |
| SE.400.5018.10,5.K | 15.75             | 3.54    | 0.75        | 0.41          | 18.11   | 16.50  | 2.36      | 2.64          | SL04 5018PP | 22           |
| SE.400.5018.10.K   | 15.75             | 3.54    | 0.71        | 0.39          | 18.11   | 16.46  | 2.36      | 2.64          | SL04 5018PP | 24           |
| SE.400.5024.10.K   | 15.75             | 4.72    | 0.71        | 0.39          | 18.11   | 16.46  | 2.83      | 3.15          | SL04 5024PP | 31           |
| SE.400.160.10.K    | 15.75             | 6.30    | 0.71        | 0.39          | 18.11   | 16.46  | 2.83      | 3.15          | SL04 160PP  | 30           |
| SE.482.5018.12.K   | 18.98             | 3.54    | 0.87        | 0.47          | 21.97   | 19.84  | 2.44      | 2.64          | SL04 5018PP | 29           |
| SE.482.5018.11,5.K | 18.98             | 3.54    | 0.83        | 0.45          | 22.05   | 19.80  | 2.44      | 2.64          | SL04 5018PP | 31           |
| SE.482.5024.11,5.K | 18.98             | 4.72    | 0.83        | 0.45          | 22.05   | 19.80  | 2.83      | 3.15          | SL04 5024PP | 39           |
| SE.482.160.11,5.K  | 18.98             | 6.30    | 0.83        | 0.45          | 22.05   | 19.80  | 2.83      | 3.15          | SL04 160PP  | 38           |
| SE.528.5018.14.K   | 20.79             | 3.54    | 1.02        | 0.55          | 23.46   | 21.81  | 2.44      | 2.64          | SL04 5018PP | 33           |
| SE.528.5018.12.K   | 20.79             | 3.54    | 0.87        | 0.47          | 23.46   | 21.65  | 2.36      | 2.64          | SL04 5018PP | 33           |
| SE.528.5018.13.K   | 20.79             | 3.54    | 0.94        | 0.51          | 23.46   | 21.73  | 2.44      | 2.64          | SL04 5018PP | 33           |
| SE.528.5018.8,5.K  | 20.79             | 3.54    | 0.63        | 0.33          | 23.46   | 21.42  | 2.44      | 2.64          | SL04 5018PP | 34           |
| SE.528.5024.13.K   | 20.79             | 4.72    | 0.94        | 0.51          | 23.46   | 21.73  | 2.83      | 3.15          | SL04 5024PP | 46           |
| SE.528.160.13.K    | 20.79             | 4.72    | 0.94        | 0.51          | 23.46   | 21.73  | 2.83      | 3.15          | SL04 160PP  | 49           |
| SE.630.160.15,5.K  | 24.80             | 6.30    | 1.10        | 0.61          | 27.95   | 25.91  | 2.95      | 3.15          | SL04 160PP  | 62           |
| SE.662.5026.15,5.K | 26.06             | 5.12    | 1.10        | 0.61          | 29.21   | 27.17  | 3.15      | 3.74          | SL04 5026PP | 76           |
| SE.772.5026.15,5.K | 30.39             | 5.12    | 1.10        | 0.61          | 33.54   | 31.50  | 3.15      | 3.74          | SL04 5026PP | 101          |

- The dimensions in this table are indicative only. A drawing will always be submitted prior to production and will be the leading document when discussing dimensions.
- Sheaves shown here are standard models; inquiries for custom versions are welcome.



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## WELDED SHEAVES

Ropeblock welded steel sheaves are available in a range of standard models. However, it's in more customized solutions that this type of sheave really comes into its own.

Examples include applications with unusual axle sizes and/or extremely large diameters, where timing is also a key factor.



## SOLID SHEAVES

Ropeblock sheaves from solid materials make for quick solutions. As we manufacture these sheaves in a simple yet highly efficient process, we can supply them quickly and in many different sizes.

Solid steel wire rope sheaves, especially, offer plenty of room for customization in terms of sizes, materials and bearing systems.



## FORGED SHEAVES

Although the material properties of forged sheaves can be very similar to those of other materials, this type of sheave can be a very adequate choice for specific applications.

### AVAILABLE FINISHES (DEPENDS ON THE APPLICATION)

| Segment / application | ISO 12944 classification | Classification description                                                                                                                          | Expected protection duration | DFT (µm) |
|-----------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------|
| Construction          | C2M                      | Slightly polluted atmosphere, predominately agriculture areas                                                                                       | 5 to 15 year                 | 120      |
| Construction          | C3M                      | Industrial and residential air pollution levels, with an average sulfurdioxide (IV) contamination level. Coastal areas with low salt content in air | 2 to 5 year                  | 120      |
| Construction          | C3M                      | Industrial and residential air pollution levels, with an average sulfurdioxide (IV) contamination level. Coastal areas with low salt content in air | 5 to 15 year                 | 160      |
| Cargo handling        | C3M                      | Industrial and residential air pollution levels, with an average sulfurdioxide (IV) contamination level. Coastal areas with low salt content in air | 5 to 15 year                 | 160      |
| Cargo handling        | C4H                      | Industrial areas and coastal areas with average salt content in air                                                                                 | more than 15 year            | 280      |
| Cargo handling        | C5-MM                    | Coastal areas and open sea with high salt content in air                                                                                            | 5 to 15 year                 | 280      |
| Offshore              | C4H                      | Industrial areas and coastal areas with average salt content in air                                                                                 | more than 15 year            | 300      |
| Offshore              | C5-MM                    | Coastal areas and open sea with high salt content in air                                                                                            | 5 to 15 year                 | 300      |
| Offshore              | C5-MH                    | Coastal areas and open sea with high salt content in air                                                                                            | more than 15 year            | 320      |
| Offshore              | NORSOK sys. 1*           | Open sea with high salt content in air                                                                                                              | more than 15 year            | 300      |

A large offshore oil rig is shown in the background, featuring a complex network of steel structures, cranes, and platforms. The rig is situated in the middle of a blue sea under a clear blue sky with some light clouds on the horizon.

# API SHEAVES

## IMPROVED EFFICIENCY, DURABILITY AND SAFETY

Based on ample experience with sheaves in various blocks and applications, Ropeblock developed API sheaves.

Besides the presented list our standard sheaves, custom-made sheaves are often an optimum solution, since line pull, fleet angles and other specifications may vary. In addition to the API sheaves, Ropeblock provides traveling blocks and hook blocks with the same prestigious API monogram.

Characteristics include:

- Balanced sheave (large diameters), low weight, maximum strength
- Standard sheave diameter range from 26" to 82"
- Standard wire sizes 9/16" to 3"
- Custom made design possible
- Tapered rolling bearings, size selected to fit application
- Other bearing types available on request
- Groove hardness minimum 35 HRC
- Groove in accordance with API specifications
- Finish in accordance with C5-MM, C5-MH (ISO 12944) or NORSOK System 1



DESIGN  
PATENTED

API licensed



| Sheave<br>Outside ø<br>(inch) | Sheave<br>Outside ø<br>(mm) | Wire size<br>range ø<br>(inch) | Wire size<br>range ø<br>(mm) | Shaft<br>ø<br>(inch) | Shaft<br>ø<br>(mm) |
|-------------------------------|-----------------------------|--------------------------------|------------------------------|----------------------|--------------------|
| 24"                           | 609,6                       | 9/16 - 1                       | 14 - 25                      | 4 1/4                | 107,95             |
| 30"                           | 762,0                       | 1 - 1 1/8                      | 25 - 29                      | 5 5/8                | 142,88             |
| 36"                           | 914,4                       | 1 - 1 3/8                      | 25 - 35                      | 6 1/2                | 165,10             |
| 42"                           | 1066,8                      | 1 1/8 - 1 1/2                  | 29 - 38                      | 8                    | 203,20             |
| 50"                           | 1270,0                      | 1 1/4 - 1 1/2                  | 32 - 38                      | 8                    | 203,20             |
| 52"                           | 1320,8                      | 1 3/8 - 1 1/2                  | 35 - 38                      | 8                    | 203,20             |
| 55"                           | 1397,0                      | 1 3/8 - 1 3/4                  | 35 - 44                      | 9 1/4                | 234,95             |
| 60"                           | 1524,0                      | 1 3/8 - 2 1/8                  | 35 - 54                      | 10 1/2               | 266,70             |
| 72"                           | 1828,8                      | 1 3/4 - 2 1/8                  | 44 - 54                      | 14                   | 355,60             |
| 78"                           | 1981,2                      | 1 3/4 - 3                      | 44 - 76                      | 14                   | 355,60             |
| 82"                           | 2082,8                      | 1 3/4 - 3                      | 44 - 76                      | 14                   | 355,60             |

## RECOMMENDED FINISH

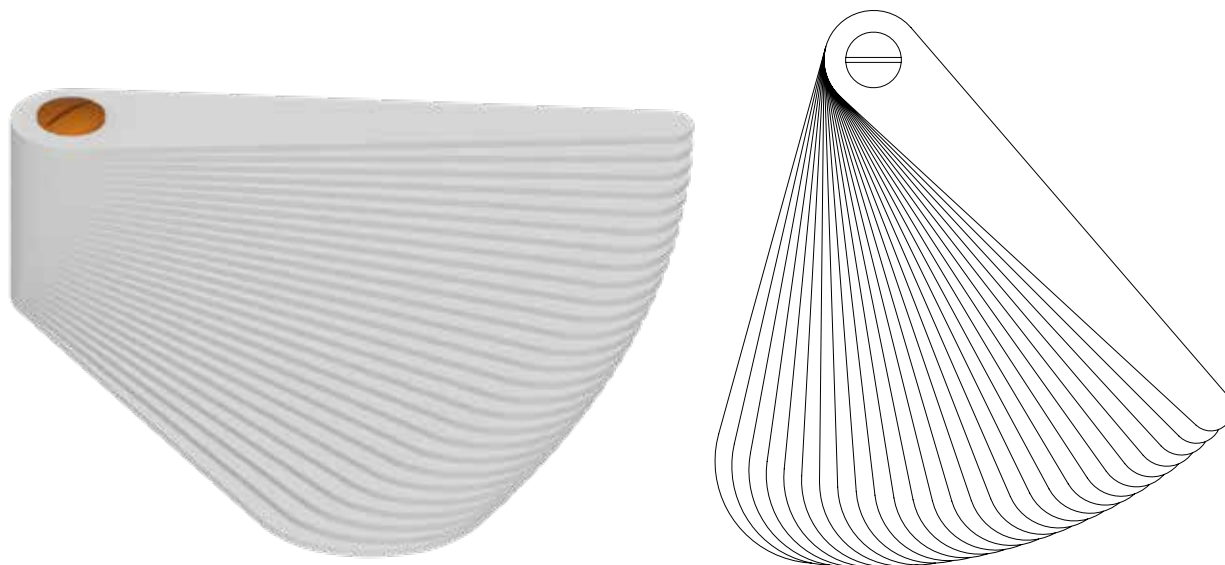
| Segment /<br>application | ISO 12944<br>classification | Classification description                                                                                                                          | Expected protection<br>duration | DFT (µm) |
|--------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|
| Construction             | C2M                         | Slightly polluted atmosphere, predominately agriculture areas                                                                                       | 5 to 15 year                    | 120      |
| Construction             | C3M                         | Industrial and residential air pollution levels, with an average sulfurdioxide (IV) contamination level. Coastal areas with low salt content in air | 2 to 5 year                     | 120      |
| Construction             | C3M                         | Industrial and residential air pollution levels, with an average sulfurdioxide (IV) contamination level. Coastal areas with low salt content in air | 5 to 15 year                    | 160      |
| Cargo handling           | C3M                         | Industrial and residential air pollution levels, with an average sulfurdioxide (IV) contamination level. Coastal areas with low salt content in air | 5 to 15 year                    | 160      |
| Cargo handling           | C4H                         | Industrial areas and coastal areas with average salt content in air                                                                                 | more than 15 year               | 280      |
| Cargo handling           | C5-MM                       | Coastal areas and open sea with high salt content in air                                                                                            | 5 to 15 year                    | 280      |
| Offshore                 | C4H                         | Industrial areas and coastal areas with average salt content in air                                                                                 | more than 15 year               | 300      |
| Offshore                 | C5-MM                       | Coastal areas and open sea with high salt content in air                                                                                            | 5 to 15 year                    | 300      |
| Offshore                 | C5-MH                       | Coastal areas and open sea with high salt content in air                                                                                            | more than 15 year               | 320      |
| Offshore                 | NORSOK<br>sys. 1*           | Open sea with high salt content in air                                                                                                              | more than 15 year               | 300      |



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## GROOVE RADIUS GAUGES

## STAINLESS STEEL



| Model nr.    | R-min<br>(inch) | R-max<br>(inch) | Steps<br>(inch) |
|--------------|-----------------|-----------------|-----------------|
| T G.3,5-16,5 | 0.14            | 0.65            | 0.02            |
| T G.17-30    | 0.67            | 1.18            | 0.02            |
| T G.4-25     | 0.16            | 0.98            | 0.02            |
| T G.26-52    | 1.02            | 2.05            | *               |
| T G.30-40    | 1.18            | 1.57            | 0.02            |
| T G.40-50    | 1.57            | 1.97            | 0.02            |

- Groove radius gauges enable the measuring of the radius in grooves of wire rope sheaves.
- Gauges only provide an indication of the radius of the groove and is not a calibrated measuring instrument.

\* Dimensions: R26, R28, R30, R32, R34, R35, R36, R38, R39, R41, R43, R45, R49, R51, R53.



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