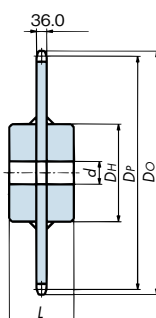
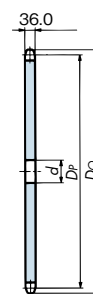
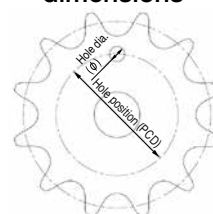
Welded construction  
1B typeWelded construction  
1C type

1A type

| Number of teeth | Pitch circle dia.<br>$D_p$ | Outer dia.<br>( $D_o$ ) | 1B type          |      |               |               |                    | Material                                                             | 1C type          |               |               |                    |              | 1A type                                                              |                    |              | Number of teeth                 |           |
|-----------------|----------------------------|-------------------------|------------------|------|---------------|---------------|--------------------|----------------------------------------------------------------------|------------------|---------------|---------------|--------------------|--------------|----------------------------------------------------------------------|--------------------|--------------|---------------------------------|-----------|
|                 |                            |                         | Bore dia.<br>$d$ |      | Hub           |               | Approx. mass<br>kg |                                                                      | Bore dia.<br>$d$ | Hub           |               | Approx. mass<br>kg | Material     | Pilot bore dia.                                                      | Approx. mass<br>kg | Material     |                                 |           |
|                 |                            |                         | Pilot bore       | Max. | Dia.<br>$D_H$ | Length<br>$L$ |                    |                                                                      |                  | Dia.<br>$D_H$ | Length<br>$L$ |                    |              |                                                                      |                    |              |                                 |           |
| <b>11</b>       | 225.39                     | 254                     | 43               | 80   | 130           | 65            | 12.3               | Welded construction: machine-structural carbon steel (teeth and hub) |                  |               |               |                    |              |                                                                      | 43                 | 9.4          | Machine-structural carbon steel | <b>11</b> |
| <b>12</b>       | 245.35                     | 275                     | 43               | 90   | 150           | 75            | 16.6               |                                                                      |                  |               |               |                    |              |                                                                      | 43                 | 11.3         |                                 | <b>12</b> |
| <b>13</b>       | 265.34                     | 296                     | 43               | 100  | 170           | 80            | 21.0               |                                                                      |                  |               |               |                    |              |                                                                      | 43                 | 13.4         |                                 | <b>13</b> |
| <b>14</b>       | 285.37                     | 316                     | 43               | 110  | 180           | 80            | 24.3               |                                                                      |                  |               |               |                    |              |                                                                      | 43                 | 15.7         |                                 | <b>14</b> |
| <b>15</b>       | 305.42                     | 337                     | 43               | 115  | 180           | 80            | 26.8               |                                                                      |                  |               |               |                    |              |                                                                      | 43                 | 18.2         |                                 | <b>15</b> |
| <b>16</b>       | 325.49                     | 357                     | 43               | 115  | 180           | 80            | 29.5               |                                                                      |                  |               |               |                    |              |                                                                      | 43                 | 20.9         |                                 | <b>16</b> |
| <b>17</b>       | 345.58                     | 378                     | 43               | 120  | 190           | 85            | 34.5               |                                                                      |                  |               |               |                    |              |                                                                      | 43                 | 23.7         |                                 | <b>17</b> |
| <b>18</b>       | 365.68                     | 398                     | 43               | 120  | 190           | 85            | 37.5               |                                                                      |                  |               |               |                    |              |                                                                      | 43                 | 26.8         |                                 | <b>18</b> |
| <b>19</b>       | 385.80                     | 419                     |                  |      |               |               |                    |                                                                      | 63               | 125           | 200           | 90                 | 41.7         | Welded construction: machine-structural carbon steel (teeth and hub) | 63                 | 29.5         |                                 | <b>19</b> |
| <b>20</b>       | 405.92                     | 439                     |                  |      |               |               |                    |                                                                      | 63               | 125           | 200           | 90                 | 45.1         |                                                                      | 63                 | 32.9         |                                 | <b>20</b> |
| <b>21</b>       | 426.05                     | 459                     |                  |      |               |               |                    |                                                                      | 63               | 135           | 220           | 110                | <b>56.5</b>  |                                                                      | 63                 | <b>36.1</b>  |                                 | <b>21</b> |
| <b>22</b>       | 446.19                     | 480                     |                  |      |               |               |                    |                                                                      | 63               | 135           | 220           | 110                | <b>60.2</b>  |                                                                      | 63                 | <b>39.9</b>  |                                 | <b>22</b> |
| <b>23</b>       | 466.34                     | 500                     |                  |      |               |               |                    |                                                                      | 63               | 140           | 230           | 110                | <b>66.2</b>  |                                                                      | 63                 | <b>43.8</b>  |                                 | <b>23</b> |
| <b>24</b>       | 486.49                     | 520                     |                  |      |               |               |                    |                                                                      | 63               | 140           | 230           | 110                | <b>70.3</b>  |                                                                      | 63                 | <b>47.8</b>  |                                 | <b>24</b> |
| <b>25</b>       | 506.65                     | 541                     |                  |      |               |               |                    |                                                                      | 63               | 140           | 230           | 110                | <b>74.6</b>  |                                                                      | 63                 | <b>52.2</b>  |                                 | <b>25</b> |
| <b>26</b>       | 526.81                     | 561                     |                  |      |               |               |                    |                                                                      | 63               | 140           | 230           | 110                | <b>79.1</b>  |                                                                      | 63                 | <b>56.7</b>  |                                 | <b>26</b> |
| <b>27</b>       | 546.98                     | 581                     |                  |      |               |               |                    |                                                                      | 63               | 140           | 230           | 110                | <b>83.7</b>  |                                                                      | 63                 | <b>61.3</b>  |                                 | <b>27</b> |
| <b>28</b>       | 567.14                     | 602                     |                  |      |               |               |                    |                                                                      | 63               | 140           | 230           | 110                | <b>88.5</b>  |                                                                      | 63                 | <b>66.1</b>  |                                 | <b>28</b> |
| <b>30</b>       | 607.49                     | 642                     |                  |      |               |               |                    |                                                                      | 63               | 150           | 240           | 125                | <b>105.8</b> |                                                                      | 63                 | <b>76.3</b>  |                                 | <b>30</b> |
| <b>32</b>       | 647.85                     | 683                     |                  |      |               |               |                    |                                                                      | 63               | 150           | 240           | 125                | <b>116.7</b> |                                                                      | 63                 | <b>87.2</b>  |                                 | <b>32</b> |
| <b>34</b>       | 688.21                     | 723                     |                  |      |               |               |                    |                                                                      | 63               | 150           | 240           | 125                | <b>128.3</b> |                                                                      | 63                 | <b>98.8</b>  |                                 | <b>34</b> |
| <b>35</b>       | 708.39                     | 744                     |                  |      |               |               |                    |                                                                      | 63               | 150           | 240           | 125                | <b>134.5</b> |                                                                      | 63                 | <b>104.9</b> |                                 | <b>35</b> |
| <b>36</b>       | 728.58                     | 764                     |                  |      |               |               |                    |                                                                      | 63               | 150           | 240           | 125                | <b>140.7</b> |                                                                      | 63                 | <b>111.2</b> |                                 | <b>36</b> |
| <b>38</b>       | 768.96                     | 804                     |                  |      |               |               |                    |                                                                      | 63               | 150           | 240           | 125                | <b>153.8</b> |                                                                      | 63                 | <b>124.2</b> |                                 | <b>38</b> |
| <b>40</b>       | 809.34                     | 845                     |                  |      |               |               |                    |                                                                      | 63               | 170           | 270           | 140                | <b>182.3</b> |                                                                      | 63                 | <b>138.1</b> |                                 | <b>40</b> |
| <b>42</b>       | 849.72                     | 885                     |                  |      |               |               |                    |                                                                      | 63               | 170           | 270           | 140                | <b>196.8</b> |                                                                      | 63                 | <b>152.6</b> |                                 | <b>42</b> |
| <b>45</b>       | 910.31                     | 946                     |                  |      |               |               |                    |                                                                      | 63               | 170           | 270           | 140                | <b>219.9</b> |                                                                      | 63                 | <b>175.8</b> |                                 | <b>45</b> |
| <b>48</b>       | 970.90                     | 1007                    |                  |      |               |               |                    |                                                                      | 68               | 170           | 270           | 140                | <b>244.1</b> |                                                                      | 68                 | <b>200.4</b> |                                 | <b>48</b> |
| <b>50</b>       | 1011.30                    | 1047                    |                  |      |               |               |                    |                                                                      | 68               | 170           | 270           | 140                | <b>261.5</b> |                                                                      | 68                 | <b>217.8</b> |                                 | <b>50</b> |
| <b>54</b>       | 1092.10                    | 1128                    |                  |      |               |               |                    |                                                                      | 68               | 170           | 270           | 140                | <b>298.5</b> |                                                                      | 68                 | <b>254.7</b> |                                 | <b>54</b> |
| <b>60</b>       | 1213.31                    | 1250                    |                  |      |               |               |                    |                                                                      | 68               | 170           | 270           | 140                | <b>359.4</b> |                                                                      | 68                 | <b>315.6</b> |                                 | <b>60</b> |

Note: 1. Maximum bore diameters shown are standard figures. Determine bore diameter and key bearing pressure based on general mechanical design.  
2. Models in the dimensional chart whose approximate mass is in bold font have one hanging hole. See the diagram on the right for more information.  
3. Made-to-order.

### Hanging hole dimensions



The phase relationship between the hanging hole and teeth may vary.

| No. of<br>teeth | 1B/1C/1A<br>bore dia. ( $\phi 40$ ) | No. of<br>teeth | 1B/1C/1A<br>bore dia. ( $\phi 40$ ) |
|-----------------|-------------------------------------|-----------------|-------------------------------------|
|                 | Hole position (PCD)                 |                 | Hole position (PCD)                 |
| <b>21</b>       | 291                                 | <b>34</b>       | 553                                 |
| <b>22</b>       | 311                                 | <b>35</b>       | 573                                 |
| <b>23</b>       | 331                                 | <b>36</b>       | 593                                 |
| <b>24</b>       | 351                                 | <b>38</b>       | 634                                 |
| <b>25</b>       | 371                                 | <b>40</b>       | 673                                 |
| <b>26</b>       | 392                                 | <b>42</b>       | 715                                 |
| <b>27</b>       | 412                                 | <b>45</b>       | 775                                 |
| <b>28</b>       | 432                                 | <b>48</b>       | 836                                 |
| <b>30</b>       | 472                                 | <b>50</b>       | 876                                 |
| <b>32</b>       | 513                                 | <b>54</b>       | 957                                 |
|                 |                                     | <b>60</b>       | 1078                                |

### Model numbering example

**RS200 -1 B 15T**

Size  
Number of strands  
Number of teeth  
Hub type