

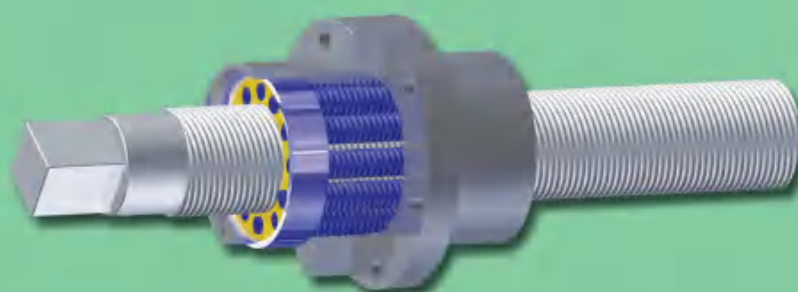
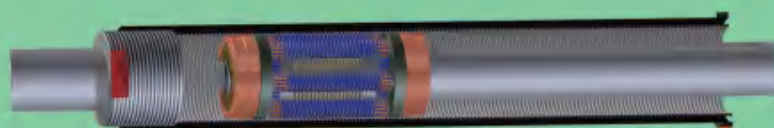
2020版

①



**晟谡精密机械（上海）有限公司**

# 行星滚柱丝杠 Roller screw





晟谋精密

**Transmission**

沟通 Communication

共同 Community

共享 Communion

# 公司简介

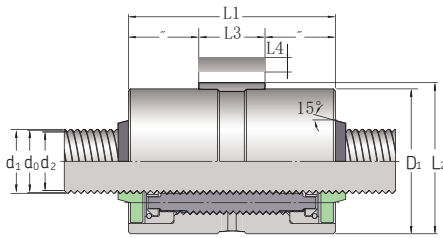
## INTRODUCTION

晟谡精密机械（上海）有限公司是全球极少数具有设计、制造全系列行星滚柱丝杠的科技型企业，拥有自主知识产权。公司致力于丝杠及衍生产品的研发与生产，其主要产品有：行星滚柱丝杠、伺服电动机构等产品。

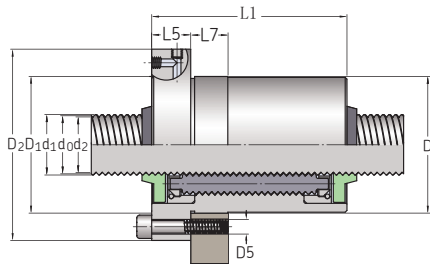
本公司产品的设计能力与制作水平在国内处于领先水平。

# CHR系列 - 行星滚柱丝杠

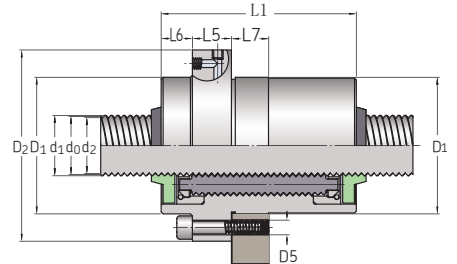
# Type CHR - Roller screws



CHRC

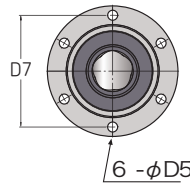


CHRF

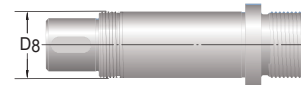


CHRP

法兰形式及安装孔  
Flange shapes  
and Drilling's drawings



轴端轴承档 Bearing part



|          |       |   |    |       |       |      | nut with backlash |       |    |     |     |    | Without wipers |    | With wipers |    |    |    |    |    |    |  |
|----------|-------|---|----|-------|-------|------|-------------------|-------|----|-----|-----|----|----------------|----|-------------|----|----|----|----|----|----|--|
| Type     | D x P | N | d0 | d1    | d2    |      | C                 | Co    | D1 | D2  | D5  | D7 | L1             | L1 | L2          | L3 | L4 | L5 | L6 | L7 | D8 |  |
|          |       |   | mm | mm    | mm    |      | kN                | kN    | mm | mm  | mm  | mm | mm             | mm | mm          | mm | mm | mm | mm | mm | mm |  |
| CHRC/F/P | 8x2   | 4 | 8  | 8.17  | 7.76  | 0.87 | 8.6               | 15.4  | 25 | 46  | 4.8 | 36 | 34             | 44 | 26.3        | 12 | 3  | 16 | -  | 12 | 12 |  |
| CHRC/F/P | 8x4   | 4 | 8  | 8.30  | 7.49  | 0.89 | 8.9               | 13.4  | 25 | 46  | 4.8 | 36 | 34             | 44 | 26.3        | 12 | 3  | 16 | -  | 12 | 12 |  |
| CHRC/F/P | 12x3  | 5 | 12 | 12.22 | 11.74 | 0.87 | 13.2              | 21.1  | 30 | 51  | 4.8 | 41 | 34             | 44 | 27.3        | 12 | 3  | 16 | -  | 12 | 15 |  |
| CHRC/F/P | 12x5  | 5 | 12 | 12.32 | 11.56 | 0.89 | 14.5              | 21.3  | 30 | 51  | 4.8 | 41 | 34             | 44 | 27.3        | 12 | 3  | 16 | -  | 12 | 15 |  |
| CHRC/F/P | 12x8  | 5 | 12 | 12.42 | 11.13 | 0.90 | 15.3              | 20.7  | 30 | 51  | 4.8 | 41 | 34             | 44 | 27.3        | 12 | 3  | 16 | -  | 12 | 15 |  |
| CHRC/F/P | 15x3  | 5 | 15 | 15.22 | 14.74 | 0.86 | 18.4              | 42.6  | 35 | 58  | 5.8 | 46 | 41             | 51 | 36.7        | 16 | 4  | 18 | -  | 12 | 17 |  |
| CHRC/F/P | 15x5  | 5 | 15 | 15.32 | 14.56 | 0.89 | 20.0              | 42.1  | 35 | 58  | 5.8 | 46 | 41             | 51 | 36.7        | 16 | 4  | 18 | -  | 12 | 17 |  |
| CHRC/F/P | 15x8  | 5 | 15 | 15.46 | 14.16 | 0.90 | 21.9              | 41.3  | 35 | 58  | 5.8 | 46 | 41             | 51 | 36.7        | 16 | 4  | 18 | -  | 12 | 17 |  |
| CHRC/F/P | 18x3  | 5 | 18 | 18.20 | 17.74 | 0.85 | 28.4              | 65.6  | 40 | 63  | 5.8 | 51 | 48             | 58 | 42          | 18 | 5  | 18 | -  | 12 | 20 |  |
| CHRC/F/P | 18x5  | 5 | 18 | 18.32 | 17.56 | 0.88 | 30.0              | 63.8  | 40 | 63  | 5.8 | 51 | 48             | 58 | 42          | 18 | 5  | 18 | -  | 12 | 20 |  |
| CHRC/F/P | 18x8  | 5 | 18 | 18.46 | 17.16 | 0.89 | 31.9              | 61.2  | 40 | 63  | 5.8 | 51 | 48             | 58 | 42          | 18 | 5  | 18 | -  | 12 | 20 |  |
| CHRC/F/P | 21x3  | 5 | 21 | 21.21 | 20.72 | 0.84 | 39.9              | 87.7  | 45 | 68  | 5.8 | 56 | 54             | 64 | 47          | 20 | 5  | 20 | 12 | 12 | 25 |  |
| CHRC/F/P | 21x5  | 5 | 21 | 21.33 | 20.52 | 0.87 | 41.9              | 88.8  | 45 | 68  | 5.8 | 56 | 54             | 64 | 47          | 20 | 5  | 20 | 12 | 12 | 25 |  |
| CHRC/F/P | 21x8  | 5 | 21 | 21.49 | 20.19 | 0.89 | 42.4              | 89.3  | 45 | 68  | 5.8 | 56 | 54             | 64 | 47          | 20 | 5  | 20 | 12 | 12 | 25 |  |
| CHRC/F/P | 21x10 | 5 | 21 | 21.58 | 19.96 | 0.89 | 43.7              | 87.2  | 45 | 68  | 5.8 | 56 | 54             | 64 | 47          | 20 | 5  | 20 | 12 | 12 | 25 |  |
| CHRC/F/P | 25x5  | 5 | 24 | 24.34 | 23.53 | 0.87 | 65.5              | 114.2 | 53 | 84  | 7   | 70 | 64             | 74 | 55.5        | 25 | 6  | 20 | 13 | 12 | 30 |  |
| CHRC/F/P | 25x8  | 5 | 24 | 24.51 | 23.21 | 0.89 | 76.1              | 114.8 | 53 | 84  | 7   | 70 | 64             | 74 | 55.5        | 25 | 6  | 20 | 13 | 12 | 30 |  |
| CHRC/F/P | 25x10 | 5 | 24 | 24.60 | 22.98 | 0.89 | 78.6              | 113.6 | 53 | 84  | 7   | 70 | 64             | 74 | 55.5        | 25 | 6  | 20 | 13 | 12 | 30 |  |
| CHRC/F/P | 25x15 | 5 | 24 | 24.60 | 22.98 | 0.89 | 80.6              | 113.6 | 53 | 84  | 7   | 70 | 64             | 74 | 55.5        | 25 | 6  | 20 | 13 | 12 | 30 |  |
| CHRC/F/P | 30x5  | 5 | 30 | 30.37 | 29.56 | 0.85 | 91.7              | 157.5 | 62 | 92  | 9   | 77 | 75             | 85 | 64.7        | 20 | 6  | 27 | 16 | 15 | 35 |  |
| CHRC/F/P | 30x10 | 5 | 30 | 30.63 | 29.01 | 0.89 | 108.5             | 167.6 | 62 | 92  | 9   | 77 | 75             | 85 | 64.7        | 20 | 6  | 27 | 16 | 15 | 35 |  |
| CHRC/F/P | 30x15 | 5 | 30 | 30.87 | 28.44 | 0.90 | 109.6             | 167.2 | 62 | 92  | 9   | 77 | 75             | 85 | 64.7        | 20 | 6  | 27 | 16 | 15 | 35 |  |
| CHRC/F/P | 30x20 | 5 | 30 | 31.05 | 27.81 | 0.90 | 107.7             | 167.8 | 62 | 92  | 9   | 77 | 75             | 85 | 64.7        | 20 | 6  | 27 | 16 | 15 | 35 |  |
| CHRC/F/P | 36x5  | 5 | 36 | 36.37 | 35.56 | 0.84 | 106.9             | 220.4 | 74 | 110 | 9   | 92 | 85             | 95 | 76.7        | 28 | 6  | 30 | 16 | 15 | 40 |  |
| CHRC/F/P | 36x10 | 5 | 36 | 36.65 | 35.12 | 0.88 | 135.9             | 221.3 | 74 | 110 | 9   | 92 | 85             | 95 | 76.7        | 28 | 6  | 30 | 16 | 15 | 40 |  |
| CHRC/F/P | 36x15 | 5 | 36 | 36.80 | 34.48 | 0.89 | 136.7             | 221.5 | 74 | 110 | 9   | 92 | 85             | 95 | 76.7        | 28 | 6  | 30 | 16 | 15 | 40 |  |
| CHRC/F/P | 36x20 | 5 | 36 | 37.12 | 33.88 | 0.90 | 136.5             | 223.8 | 74 | 110 | 9   | 92 | 85             | 95 | 76.7        | 28 | 6  | 30 | 16 | 15 | 40 |  |

单螺母的最大轴向间隙: 0.03 (可提供更小的轴向间隙)

Maximum backlash of single nuts: 0.03mm (can be less on request).

如果需要, 可提供含润滑孔螺母

If possible, provide a lubrication hole in the nut

参数注释:

Terms used in tables

P—导程

D—标准直径

N—丝杠头数

d0—公称直径

P Lead

D Reference diameter

N Number of starts

d0 Nominal diameter

d1—丝杠外径

d2—丝杠根径

C—额定运载

Co—额定静载

d1 External diameter

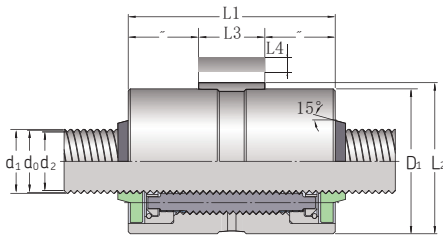
d2 Thread bottom diameter

C Dynamic load capacity

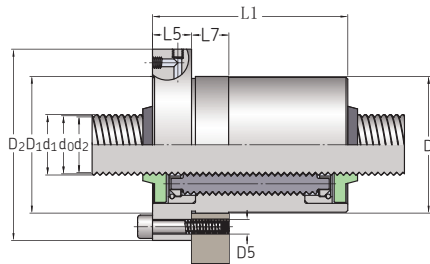
Co Static load capacity

# CHR系列 - 行星滚柱丝杠

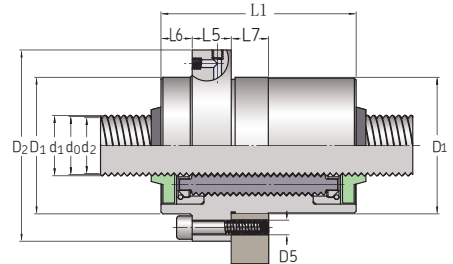
# Type CHR - Roller screws



CHRC

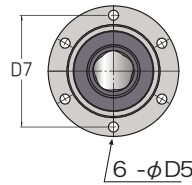


CHRF

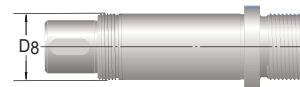


CHRP

法兰形式及安装孔  
Flange shapes  
and Drilling's drawings



轴端轴承档 Bearing part



| Type     | D x P | N | d0 | d1    | d2    |      | nut with backlash |       |     |     | Without wipers |     | With wipers |     | L2   | L3 | L4 | L5 | L6 | L7 | D8 |
|----------|-------|---|----|-------|-------|------|-------------------|-------|-----|-----|----------------|-----|-------------|-----|------|----|----|----|----|----|----|
|          |       |   |    |       |       |      | C                 | Co    | D1  | D2  | D5             | D7  | L1          | L1  |      |    |    |    |    |    |    |
|          |       |   |    |       |       |      | kN                | kN    | mm  | mm  | mm             | mm  | mm          | mm  |      |    |    |    |    |    |    |
| CHRC/F/P | 39x5  | 5 | 39 | 39.35 | 38.54 | 0.84 | 129.2             | 245.2 | 80  | 116 | 11             | 98  | 90          | 100 | 82.7 | 28 | 6  | 30 | 18 | 18 | 45 |
| CHRC/F/P | 39x10 | 5 | 39 | 39.74 | 38.12 | 0.88 | 153.4             | 257.4 | 80  | 116 | 11             | 98  | 90          | 100 | 82.7 | 28 | 6  | 30 | 18 | 18 | 45 |
| CHRC/F/P | 39x15 | 5 | 39 | 39.92 | 37.49 | 0.89 | 168.8             | 251.1 | 80  | 116 | 11             | 98  | 90          | 100 | 82.7 | 28 | 6  | 30 | 18 | 18 | 45 |
| CHRC/F/P | 39x20 | 5 | 39 | 40.15 | 36.90 | 0.90 | 173.7             | 275.5 | 80  | 116 | 11             | 98  | 90          | 100 | 82.7 | 28 | 6  | 30 | 18 | 18 | 45 |
| CHRC/F/P | 39x25 | 5 | 39 | 40.50 | 36.80 | 0.90 | 175.3             | 261.7 | 80  | 116 | 11             | 98  | 90          | 100 | 82.7 | 28 | 6  | 30 | 18 | 18 | 45 |
| CHRC/F/P | 44x6  | 6 | 44 | 44.35 | 43.54 | 0.84 | 166.0             | 301.2 | 80  | 118 | 11             | 100 | 105         | 115 | 82.7 | 35 | 6  | 35 | 18 | 18 | 50 |
| CHRC/F/P | 44x12 | 6 | 44 | 44.65 | 43.03 | 0.88 | 175.3             | 310.5 | 80  | 118 | 11             | 100 | 105         | 115 | 82.7 | 35 | 6  | 35 | 18 | 18 | 50 |
| CHRC/F/P | 44x18 | 6 | 44 | 44.90 | 42.47 | 0.89 | 183.3             | 305.7 | 80  | 118 | 11             | 100 | 105         | 115 | 82.7 | 35 | 6  | 35 | 18 | 18 | 50 |
| CHRC/F/P | 44x24 | 6 | 44 | 45.12 | 41.88 | 0.90 | 190.2             | 306.8 | 80  | 118 | 11             | 100 | 105         | 115 | 82.7 | 35 | 6  | 35 | 18 | 18 | 50 |
| CHRC/F/P | 44x30 | 6 | 44 | 45.28 | 41.23 | 0.90 | 175.3             | 302.4 | 80  | 118 | 11             | 100 | 105         | 115 | 82.7 | 35 | 6  | 35 | 18 | 18 | 50 |
| CHRC/F/P | 48x5  | 5 | 48 | 48.35 | 47.54 | 0.82 | 198.0             | 410.8 | 100 | 150 | 13.5           | 127 | 115         | 127 | 103  | 45 | 8  | 37 | 20 | 20 | 55 |
| CHRC/F/P | 48x10 | 5 | 48 | 48.67 | 47.05 | 0.87 | 215.6             | 432.7 | 100 | 150 | 13.5           | 127 | 115         | 127 | 103  | 45 | 8  | 37 | 20 | 20 | 55 |
| CHRC/F/P | 48x15 | 5 | 48 | 48.99 | 46.53 | 0.88 | 225.3             | 435.7 | 100 | 150 | 13.5           | 127 | 115         | 127 | 103  | 45 | 8  | 37 | 20 | 20 | 55 |
| CHRC/F/P | 48x20 | 5 | 48 | 49.21 | 45.97 | 0.89 | 227.3             | 473.4 | 100 | 150 | 13.5           | 127 | 115         | 127 | 103  | 45 | 8  | 37 | 20 | 20 | 55 |
| CHRC/F/P | 48x25 | 5 | 48 | 49.43 | 45.38 | 0.90 | 230.5             | 468.4 | 100 | 150 | 13.5           | 127 | 115         | 127 | 103  | 45 | 8  | 37 | 20 | 20 | 55 |
| CHRC/F/P | 48x30 | 5 | 48 | 49.62 | 44.75 | 0.89 | 220.7             | 458.5 | 100 | 150 | 13.5           | 127 | 115         | 127 | 103  | 45 | 8  | 37 | 20 | 20 | 55 |
| CHRC/F/P | 48x6  | 6 | 48 | 48.35 | 47.54 | 0.84 | 190.1             | 401.7 | 86  | 122 | 11             | 104 | 115         | 127 | 88.7 | 45 | 6  | 37 | 20 | 20 | 55 |
| CHRC/F/P | 48x12 | 6 | 48 | 48.66 | 47.04 | 0.88 | 207.6             | 427.9 | 86  | 122 | 11             | 104 | 115         | 127 | 88.7 | 45 | 6  | 37 | 20 | 20 | 55 |
| CHRC/F/P | 48x15 | 6 | 48 | 48.79 | 46.76 | 0.88 | 214.2             | 430.1 | 86  | 122 | 11             | 104 | 115         | 127 | 88.7 | 45 | 6  | 37 | 20 | 20 | 55 |
| CHRC/F/P | 48x18 | 6 | 48 | 48.92 | 46.49 | 0.89 | 215.4             | 428.3 | 86  | 122 | 11             | 104 | 115         | 127 | 88.7 | 45 | 6  | 37 | 20 | 20 | 55 |
| CHRC/F/P | 48x20 | 6 | 48 | 49.00 | 46.30 | 0.89 | 216.9             | 485.7 | 86  | 122 | 11             | 104 | 115         | 127 | 88.7 | 45 | 6  | 37 | 20 | 20 | 55 |
| CHRC/F/P | 48x24 | 6 | 48 | 49.15 | 45.91 | 0.90 | 230.4             | 435.0 | 86  | 122 | 11             | 104 | 115         | 127 | 88.7 | 45 | 6  | 37 | 20 | 20 | 55 |
| CHRC/F/P | 56x6  | 6 | 56 | 56.36 | 55.30 | 0.80 | 213.1             | 420.6 | 100 | 150 | 13.5           | 127 | 125         | 139 | 105  | 50 | 8  | 37 | 22 | 20 | 60 |
| CHRC/F/P | 56x9  | 6 | 56 | 56.60 | 55.00 | 0.83 | 257.0             | 449.2 | 100 | 150 | 13.5           | 127 | 125         | 139 | 105  | 50 | 8  | 37 | 22 | 20 | 60 |
| CHRC/F/P | 56x12 | 6 | 56 | 56.80 | 54.70 | 0.87 | 242.0             | 460.6 | 100 | 150 | 13.5           | 127 | 125         | 139 | 105  | 50 | 8  | 37 | 22 | 20 | 60 |
| CHRC/F/P | 56x15 | 6 | 56 | 57.00 | 54.40 | 0.87 | 258.0             | 505.8 | 100 | 150 | 13.5           | 127 | 125         | 139 | 105  | 50 | 8  | 37 | 22 | 20 | 60 |
| CHRC/F/P | 56x18 | 6 | 56 | 57.20 | 54.10 | 0.87 | 268.0             | 514.6 | 100 | 150 | 13.5           | 127 | 125         | 139 | 105  | 50 | 8  | 37 | 22 | 20 | 60 |
| CHRC/F/P | 56x24 | 6 | 56 | 57.50 | 53.80 | 0.88 | 296.0             | 514.6 | 100 | 150 | 13.5           | 127 | 125         | 139 | 105  | 50 | 8  | 37 | 22 | 20 | 60 |

单螺母的最大轴向间隙：0.03（可提供更小的轴向间隙）

Maximum backlash of single nuts: 0.03mm (can be less on request).

如果需要，可提供含润滑孔螺母

If possible, provide a lubrication hole in the nut

参数注释：

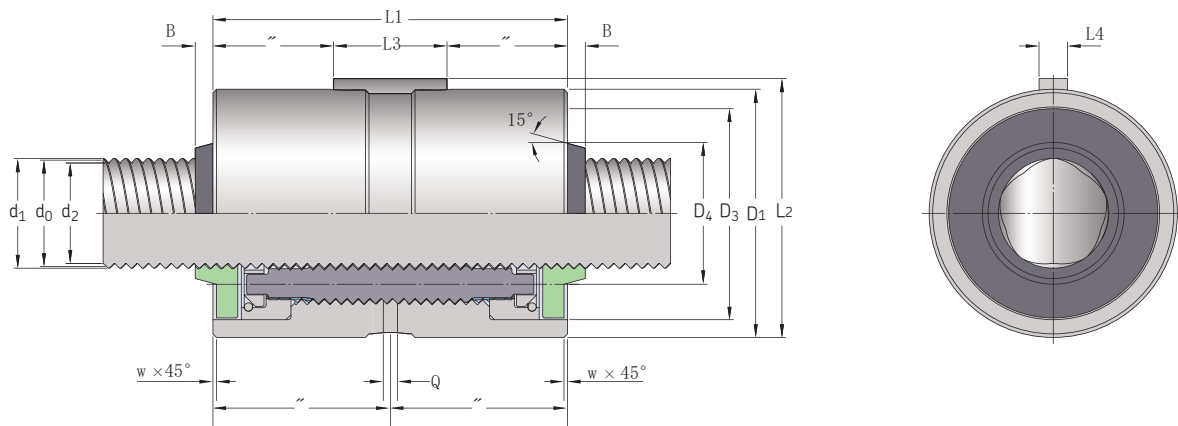
Terms used in tables

P—导程  
D—标准直径  
N—丝杠头数  
d0—公称直径

P Lead  
D Reference diameter  
N Number of starts  
d0 Nominal diameter

d1—丝杠外径  
d2—丝杠根径  
C—额定运栽  
Co—额定静栽

d1 External diameter  
d2 Thread bottom diameter  
C Dynamic load capacity  
Co Static load capacity



| Type                                                                                         | d <sub>0</sub> | P                    | d <sub>1</sub>               | d <sub>2</sub>               | C                                | C <sub>0</sub>                                   | η                                                  | D1<br>g6/H7                                  | L1                                           | w                                            | L4                                     | L3                                     | L2                                     | Q                                | B                                      | D3                                     | D4                               |                                  |                                        |                                        |
|----------------------------------------------------------------------------------------------|----------------|----------------------|------------------------------|------------------------------|----------------------------------|--------------------------------------------------|----------------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------|----------------------------------------|----------------------------------------|----------------------------------|----------------------------------|----------------------------------------|----------------------------------------|
| —                                                                                            | mm             | mm                   | mm                           | mm                           | kN                               | kN                                               | —                                                  | mm                                           | mm                                           |                                              | mm                                     | mm                                     | mm                                     | mm                               | mm                                     | mm                                     | mm                               |                                  |                                        |                                        |
| CHRC 60×15<br>CHRC 60×20<br>CHRC 60×25<br>CHRC 60×30                                         | 60             | 15<br>20<br>25<br>30 | 61.2<br>61.5<br>61.9<br>62.3 | 58.4<br>57.9<br>57.3<br>56.8 | 494<br>515<br>530<br>528         | 1 206<br>1 181<br>1 227<br>1 216                 | 0.88<br>0.89<br>0.89<br>0.88                       | 122<br>122<br>122<br>122                     | 171<br>171<br>171<br>171                     | 1<br>1<br>1<br>1                             | 10<br>10<br>10<br>10                   | 56<br>56<br>56<br>56                   | 125<br>125<br>125<br>125               | 11<br>11<br>11<br>11             | 9<br>9<br>9<br>9                       | 110<br>110<br>110<br>110               | 71<br>71<br>71<br>71             |                                  |                                        |                                        |
| CHRC 75×15<br>CHRC 75×20<br>CHRC 75×25<br>CHRC 75×30                                         |                | 75                   | 15<br>20<br>25<br>30         | 76.2<br>76.5<br>76.9<br>77.3 | 73.4<br>72.9<br>72.3<br>71.8     | 836<br>845<br>855<br>852                         | 2473<br>2455<br>2461<br>2420                       | 0.87<br>0.88<br>0.89<br>0.89                 | 150<br>150<br>150<br>150                     | 213<br>213<br>213<br>213                     | 1<br>1<br>1<br>1                       | 10<br>10<br>10<br>10                   | 63<br>63<br>63<br>63                   | 153<br>153<br>153<br>153         | 11<br>11<br>11<br>11                   | 10<br>10<br>10<br>10                   | 136<br>136<br>136<br>136         | 87<br>87<br>87<br>87             |                                        |                                        |
| CHRC 87×15<br>CHRC 87×20<br>CHRC 87×25<br>CHRC 87×30                                         |                |                      | 87                           | 15<br>20<br>25<br>30         | 88.2<br>88.5<br>88.9<br>89.3     | 85.4<br>84.9<br>84.4<br>83.8                     | 1059<br>1061<br>1085<br>1085                       | 3527<br>3452<br>3513<br>3465                 | 0.86<br>0.88<br>0.89<br>0.89                 | 175<br>175<br>175<br>175                     | 245<br>245<br>245<br>245               | 1.5<br>1.5<br>1.5<br>1.5               | 12<br>12<br>12<br>12                   | 100<br>100<br>100<br>100         | 178<br>178<br>178<br>178               | 12<br>12<br>12<br>12                   | 12<br>12<br>12<br>12             | 158<br>158<br>158<br>158         | 103<br>103<br>103<br>103               |                                        |
| CHRC 99×15<br>CHRC 99×20<br>CHRC 99×25<br>CHRC 99×30<br>CHRC 99×35                           |                |                      |                              | 99                           | 15<br>20<br>25<br>30<br>35       | 100.2<br>100.5<br>100.9<br>101.3<br>101.7        | 97.4<br>96.9<br>96.4<br>95.9<br>95.3               | 1277<br>1311<br>1328<br>1330<br>1329         | 4671<br>4741<br>4749<br>4694<br>4639         | 0.85<br>0.87<br>0.88<br>0.89<br>0.89         | 200<br>200<br>200<br>200<br>200        | 280<br>280<br>280<br>280<br>280        | 1.5<br>1.5<br>1.5<br>1.5<br>1.5        | 16<br>16<br>16<br>16<br>16       | 100<br>100<br>100<br>100<br>100        | 204<br>204<br>204<br>204<br>204        | 15<br>15<br>15<br>15<br>15       | 12<br>12<br>12<br>12<br>12       | 180<br>180<br>180<br>180<br>180        | 112<br>112<br>112<br>112<br>112        |
| CHRC 112.5×15<br>CHRC 112.5×20<br>CHRC 112.5×25<br>CHRC 112.5×30<br>CHRC 112.5×35            | 112.5          |                      |                              |                              | 15<br>20<br>25<br>30<br>35       | 113.7<br>114<br>114.4<br>114.8<br>115.2          | 110.9<br>110.4<br>109.9<br>109.4<br>108.9          | 1396<br>1421<br>1446<br>1455<br>1461         | 5288<br>5297<br>5341<br>5315<br>5289         | 0.84<br>0.86<br>0.88<br>0.88<br>0.89         | 230<br>230<br>230<br>230<br>230        | 300<br>300<br>300<br>300<br>300        | 1.5<br>1.5<br>1.5<br>1.5<br>1.5        | 16<br>16<br>16<br>16<br>16       | 100<br>100<br>100<br>100<br>100        | 234<br>234<br>234<br>234<br>234        | 15<br>15<br>15<br>15<br>15       | 12<br>12<br>12<br>12<br>12       | 210<br>210<br>210<br>210<br>210        | 140<br>140<br>140<br>140<br>140        |
| CHRC 120 ×15<br>CHRC 120 ×20<br>CHRC 120 ×25<br>CHRC 120 ×30<br>CHRC 120 ×35<br>CHRC 120 ×40 |                | 120                  |                              |                              | 15<br>20<br>25<br>30<br>35<br>40 | 121.2<br>121.5<br>121.9<br>122.3<br>122.7<br>123 | 118.4<br>117.9<br>117.4<br>116.9<br>116.4<br>115.8 | 1547<br>1587<br>1585<br>1614<br>1640<br>1651 | 6179<br>6263<br>6123<br>6207<br>6291<br>6301 | 0.83<br>0.86<br>0.87<br>0.88<br>0.89<br>0.89 | 240<br>240<br>240<br>240<br>240<br>240 | 330<br>330<br>330<br>330<br>330<br>330 | 1.5<br>1.5<br>1.5<br>1.5<br>1.5<br>1.5 | 16<br>16<br>16<br>16<br>16<br>16 | 100<br>100<br>100<br>100<br>100<br>100 | 244<br>244<br>244<br>244<br>244<br>244 | 15<br>15<br>15<br>15<br>15<br>15 | 12<br>12<br>12<br>12<br>12<br>12 | 220<br>220<br>220<br>220<br>220<br>220 | 180<br>180<br>180<br>180<br>180<br>180 |
| □□□□CHRC135-CHRC240请垂询<br>CHRC135-CHRC240 Please contact                                     |                |                      |                              |                              |                                  |                                                  |                                                    |                                              |                                              |                                              |                                        |                                        |                                        |                                  |                                        |                                        |                                  |                                  |                                        |                                        |

单螺母的最大轴向间隙: 0.03 (可提供更小的轴向间隙)

Maximum backlash of single nuts: 0.03mm (can be less on request).

如果需要, 可提供含润滑孔螺母

If possible, provide a lubrication hole in the nut

## 参数注释:

## Terms used in tables

P—导程

D—标准直径

N—丝杠头数

d<sub>0</sub>—公称直径

P Lead

D Reference diameter

N Number of starts

d<sub>0</sub> Nominal diameterd<sub>1</sub>—丝杠外径d<sub>2</sub>—丝杠根径

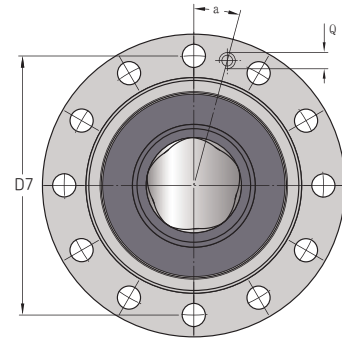
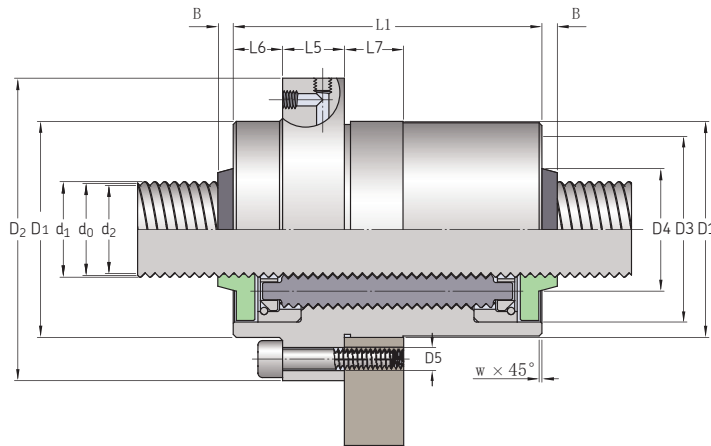
C—额定运载

C<sub>0</sub>—额定静载d<sub>1</sub> External diameterd<sub>2</sub> Thread bottom diameter

C Dynamic load capacity

C<sub>0</sub> Static load capacity





| Type              | d <sub>0</sub> | P  | d <sub>1</sub> | d <sub>2</sub> | C    | C <sub>0</sub> | η    | D1<br>g6/H7 | L1<br>h12 | L6<br>CHRF | L6<br>CHRP | L7 | L5 | D2  | D7<br>js12 | D5     | w   | Q        | B  | D3  | D4  | a    |
|-------------------|----------------|----|----------------|----------------|------|----------------|------|-------------|-----------|------------|------------|----|----|-----|------------|--------|-----|----------|----|-----|-----|------|
| —                 | mm             | mm | mm             | mm             | kN   | kN             | —    | mm          | mm        | mm         | mm         | mm | mm | mm  | mm         | mm     | mm  | mm       | mm | mm  | mm  | °    |
| CHRF/HRP 60×15    | 60             | 15 | 61.2           | 58.4           | 495  | 1206           | 0.88 | 122         | 171       | 25         | 70.5       | 40 | 30 | 166 | 146        | 8×M12  | 1   | M8×1     | 9  | 110 | 71  | 22.5 |
| CHRF/HRP 60×20    |                | 20 | 61.5           | 57.9           | 515  | 1181           | 0.89 | 122         | 171       | 25         | 70.5       | 40 | 30 | 166 | 146        | 8×M12  | 1   | M8×1     | 9  | 110 | 71  | 22.5 |
| CHRF/HRP 60×25    |                | 25 | 61.9           | 57.3           | 530  | 1227           | 0.89 | 122         | 171       | 25         | 70.5       | 40 | 30 | 166 | 146        | 8×M12  | 1   | M8×1     | 9  | 110 | 71  | 22.5 |
| CHRF/HRP 60×30    |                | 30 | 62.3           | 56.8           | 528  | 1216           | 0.88 | 122         | 171       | 25         | 70.5       | 40 | 30 | 166 | 146        | 8×M12  | 1   | M8×1     | 9  | 110 | 71  | 22.5 |
| CHRF/HRP 75×15    | 75             | 15 | 76.1           | 73.5           | 836  | 2473           | 0.87 | 150         | 213       | 30         | 89         | 40 | 35 | 195 | 174        | 12×M12 | 1   | M8×1     | 10 | 136 | 87  | 15   |
| CHRF/HRP 75×20    |                | 20 | 76.4           | 71             | 845  | 2455           | 0.88 | 150         | 213       | 30         | 89         | 40 | 35 | 195 | 174        | 12×M12 | 1   | M8×1     | 10 | 136 | 87  | 15   |
| CHRF/HRP 75×25    |                | 25 | 76.7           | 70             | 855  | 2461           | 0.89 | 150         | 213       | 30         | 89         | 40 | 35 | 195 | 174        | 12×M12 | 1   | M8×1     | 10 | 136 | 87  | 15   |
| CHRF/HRP 75×30    |                | 30 | 76.9           | 68.9           | 852  | 2420           | 0.89 | 150         | 213       | 30         | 89         | 40 | 35 | 195 | 174        | 12×M12 | 1   | M8×1     | 10 | 136 | 87  | 15   |
| CHRF/HRP 87×15    | 87             | 15 | 88.1           | 85.5           | 1059 | 3527           | 0.86 | 175         | 245       | 35         | 102.5      | 40 | 40 | 220 | 200        | 12×M12 | 1.5 | M8×1     | 12 | 158 | 103 | 15   |
| CHRF/HRP 87×20    |                | 20 | 88.4           | 83             | 1061 | 3452           | 0.88 | 175         | 245       | 35         | 102.5      | 40 | 40 | 220 | 200        | 12×M12 | 1.5 | M8×1     | 12 | 158 | 103 | 15   |
| CHRF/HRP 87×25    |                | 25 | 88.7           | 82             | 1085 | 3513           | 0.89 | 175         | 245       | 35         | 102.5      | 40 | 40 | 220 | 200        | 12×M12 | 1.5 | M8×1     | 12 | 158 | 103 | 15   |
| CHRF/HRP 87×30    |                | 30 | 89             | 81             | 1085 | 3465           | 0.89 | 175         | 245       | 35         | 102.5      | 40 | 40 | 220 | 200        | 12×M12 | 1.5 | M8×1     | 12 | 158 | 103 | 15   |
| CHRF/HRP 99×15    | 99             | 15 | 100.1          | 97.5           | 1277 | 4671           | 0.85 | 200         | 280       | 40         | 115        | 40 | 50 | 245 | 224        | 12×M12 | 1.5 | M8×1     | 12 | 180 | 112 | 15   |
| CHRF/HRP 99×20    |                | 20 | 100.4          | 95             | 1311 | 4741           | 0.87 | 200         | 280       | 40         | 115        | 40 | 50 | 245 | 224        | 12×M12 | 1.5 | M8×1     | 12 | 180 | 112 | 15   |
| CHRF/HRP 99×25    |                | 25 | 100.7          | 94             | 1328 | 4749           | 0.88 | 200         | 280       | 40         | 115        | 40 | 50 | 245 | 224        | 12×M12 | 1.5 | M8×1     | 12 | 180 | 112 | 15   |
| CHRF/HRP 99×30    |                | 30 | 101            | 93             | 1330 | 4694           | 0.89 | 200         | 280       | 40         | 115        | 40 | 50 | 245 | 224        | 12×M12 | 1.5 | M8×1     | 12 | 180 | 112 | 15   |
| CHRF/HRP 99×35    | 112.5          | 35 | 101.3          | 91.9           | 1329 | 4639           | 0.89 | 200         | 280       | 40         | 115        | 40 | 50 | 245 | 224        | 12×M12 | 1.5 | M8×1     | 12 | 180 | 112 | 15   |
| CHRF/HRP 112.5×15 |                | 15 | 113.6          | 111.1          | 1396 | 5288           | 0.84 | 230         | 300       | 50         | 125        | 40 | 50 | 286 | 260        | 12×M16 | 1.5 | M12×1.75 | 12 | 210 | 140 | 15   |
| CHRF/HRP 112.5×20 |                | 20 | 113.9          | 108.6          | 1421 | 5297           | 0.86 | 230         | 300       | 50         | 125        | 40 | 50 | 286 | 260        | 12×M16 | 1.5 | M12×1.75 | 12 | 210 | 140 | 15   |
| CHRF/HRP 112.5×25 |                | 25 | 114.2          | 107.5          | 1446 | 5341           | 0.88 | 230         | 300       | 50         | 125        | 40 | 50 | 286 | 260        | 12×M16 | 1.5 | M12×1.75 | 12 | 210 | 140 | 15   |
| CHRF/HRP 112.5×30 | 120            | 30 | 114.5          | 106.5          | 1455 | 5315           | 0.88 | 230         | 300       | 50         | 125        | 40 | 50 | 286 | 260        | 12×M16 | 1.5 | M12×1.75 | 12 | 210 | 140 | 15   |
| CHRF/HRP 112.5×35 |                | 35 | 114.8          | 105.5          | 1461 | 5289           | 0.89 | 230         | 300       | 50         | 125        | 40 | 50 | 286 | 260        | 12×M16 | 1.5 | M12×1.75 | 12 | 210 | 140 | 15   |
| CHRF/HRP 120×15   |                | 15 | 121.1          | 118.6          | 1547 | 6179           | 0.83 | 240         | 330       | 50         | 137.5      | 60 | 55 | 296 | 270        | 12×M16 | 1.5 | M12×1.75 | 12 | 220 | 180 | 15   |
| CHRF/HRP 120×20   |                | 20 | 121.4          | 116.1          | 1587 | 6263           | 0.86 | 240         | 330       | 50         | 137.5      | 60 | 55 | 296 | 270        | 12×M16 | 1.5 | M12×1.75 | 12 | 220 | 180 | 15   |
| CHRF/HRP 120×25   | 120            | 25 | 121.8          | 115.1          | 1585 | 6123           | 0.87 | 240         | 330       | 50         | 137.5      | 60 | 55 | 296 | 270        | 12×M16 | 1.5 | M12×1.75 | 12 | 220 | 180 | 15   |
| CHRF/HRP 120×30   |                | 30 | 122.1          | 114            | 1614 | 6207           | 0.88 | 240         | 330       | 50         | 137.5      | 60 | 55 | 296 | 270        | 12×M16 | 1.5 | M12×1.75 | 12 | 220 | 180 | 15   |
| CHRF/HRP 120×35   |                | 35 | 122.3          | 113            | 1640 | 6291           | 0.89 | 240         | 330       | 50         | 137.5      | 60 | 55 | 296 | 270        | 12×M16 | 1.5 | M12×1.75 | 12 | 220 | 180 | 15   |
| CHRF/HRP 120×40   |                | 40 | 122.6          | 112            | 1651 | 6301           | 0.89 | 240         | 330       | 50         | 137.5      | 60 | 55 | 296 | 270        | 12×M16 | 1.5 | M12×1.75 | 12 | 220 | 180 | 15   |

更大规格CHRF/HRP135-CHRF/HRP240请垂询  
CHRF/HRP135-CHRF/HRP240 Please contact

单螺母的最大轴向间隙：0.03（可提供更小的轴向间隙）

Maximum backlash of single nuts: 0.03mm (can be less on request).

如果需要，可提供含润滑孔螺母

If possible, provide a lubrication hole in the nut

参数注释：

Terms used in tables

P—导程

D—标准直径

N—丝杠头数

d0—公称直径

P Lead

D Reference diameter

N Number of starts

d0 Nominal diameter

d1—丝杠外径

d2—丝杠根径

C—额定运载

Co—额定静载

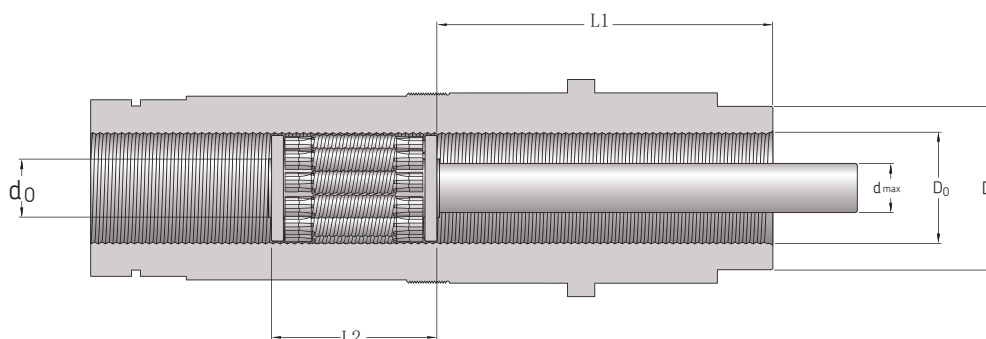
d1 External diameter

d2 Thread bottom diameter

C Dynamic load capacity

Co Static load capacity

# CHRI系列 - 反转行星滚柱丝杠 Type CHRI - Inverted Roller screws



| Type        | N | P   | d <sub>0</sub> | C    | C <sub>0</sub> | η    | η'   | D <sub>0</sub> | D   | d <sub>max</sub> | L1  | L2  |
|-------------|---|-----|----------------|------|----------------|------|------|----------------|-----|------------------|-----|-----|
| —           |   | mm  | mm             | kN   | kN             | —    |      | mm             | mm  | mm               | mm  | mm  |
| CHRI 18×2.4 | 3 | 2.4 | 18             | 25.6 | 59.9           | 0.69 | 0.55 | 30             | 38  | 16               | 65  | 50  |
| CHRI 18×3   | 3 | 3   |                | 27.8 | 60.9           | 0.73 | 0.63 | 30             | 38  | 16               | 60  | 50  |
| CHRI 18×4.5 | 3 | 4.5 |                | 26.6 | 51.2           | 0.77 | 0.70 | 30             | 38  | 16               | 55  | 50  |
| CHRI 18×6   | 3 | 6   |                | 30.4 | 51.9           | 0.82 | 0.78 | 30             | 38  | 16               | 45  | 50  |
| CHRI 21×2.4 | 3 | 2.4 | 21             | 45.5 | 92             | 0.66 | 0.48 | 35             | 45  | 18               | 84  | 56  |
| CHRI 21×3   | 3 | 3   |                | 49.6 | 95             | 0.7  | 0.57 | 35             | 45  | 18               | 79  | 56  |
| CHRI 21×4.5 | 3 | 4.5 |                | 53.3 | 94             | 0.75 | 0.67 | 35             | 45  | 18               | 74  | 56  |
| CHRI 21×6   | 3 | 6   |                | 54.2 | 82.2           | 0.8  | 0.75 | 35             | 45  | 18               | 64  | 56  |
| CHRI 24×2.4 | 3 | 2.4 | 24             | 53.7 | 108            | 0.63 | 0.41 | 40             | 50  | 21               | 210 | 65  |
| CHRI 24×3   | 3 | 3   |                | 57.2 | 109            | 0.68 | 0.53 | 40             | 50  | 21               | 170 | 65  |
| CHRI 24×4.5 | 3 | 4.5 |                | 62   | 109            | 0.73 | 0.63 | 40             | 50  | 21               | 110 | 65  |
| CHRI 24×6   | 3 | 6   |                | 64.5 | 99             | 0.79 | 0.73 | 40             | 50  | 21               | 75  | 65  |
| CHRI 30×2.4 | 3 | 2.4 | 30             | 83.2 | 185            | 0.58 | 0.28 | 50             | 60  | 27               | 210 | 75  |
| CHRI 30×3   | 3 | 3   |                | 89.2 | 188            | 0.63 | 0.41 | 50             | 60  | 27               | 210 | 75  |
| CHRI 30×4.5 | 3 | 4.5 |                | 95   | 184            | 0.69 | 0.55 | 50             | 60  | 27               | 210 | 75  |
| CHRI 30×6   | 3 | 6   |                | 98   | 190            | 0.76 | 0.68 | 50             | 60  | 27               | 200 | 75  |
| CHRI 39×2.4 | 3 | 2.4 | 39             | 125  | 301            | 0.52 | 0.08 | 65             | 75  | 36               | 195 | 90  |
| CHRI 39×3   | 3 | 3   |                | 133  | 301            | 0.57 | 0.25 | 65             | 75  | 36               | 195 | 90  |
| CHRI 39×4.5 | 3 | 4.5 |                | 143  | 302            | 0.64 | 0.44 | 65             | 75  | 36               | 195 | 90  |
| CHRI 39×6   | 3 | 6   |                | 159  | 304            | 0.72 | 0.61 | 65             | 75  | 36               | 195 | 90  |
| CHRI 48×2.4 | 3 | 2.4 | 48             | 209  | 564            | 0.47 | 0    | 80             | 90  | 44               | 171 | 114 |
| CHRI 48×3   | 3 | 3   |                | 221  | 567            | 0.52 | 0.08 | 80             | 90  | 44               | 171 | 114 |
| CHRI 48×4.5 | 3 | 4.5 |                | 234  | 557            | 0.59 | 0.31 | 80             | 90  | 44               | 171 | 114 |
| CHRI 48×6   | 3 | 6   |                | 259  | 559            | 0.68 | 0.53 | 80             | 90  | 44               | 171 | 114 |
| CHRI 60×3   | 3 | 3   | 60             | 452  | 1205           | 0.47 | 0.08 | 100            | 115 | 55               | 210 | 160 |
| CHRI 60×4.5 | 3 | 4.5 |                | 476  | 1117           | 0.54 | 0.25 | 100            | 115 | 55               | 210 | 160 |
| CHRI 60×6   | 3 | 6   |                | 487  | 1208           | 0.63 | 0.31 | 100            | 115 | 55               | 200 | 160 |
| CHRI 60×9   | 3 | 9   |                | 495  | 1210           | 0.72 | 0.53 | 100            | 115 | 55               | 200 | 160 |

单螺母的最大轴向间隙：0.03（可提供更小的轴向间隙）

Maximum backlash of single nuts: 0.03mm (can be less on request).

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If possible, provide a lubrication hole in the nut

## 参数注释:

### Terms used in tables

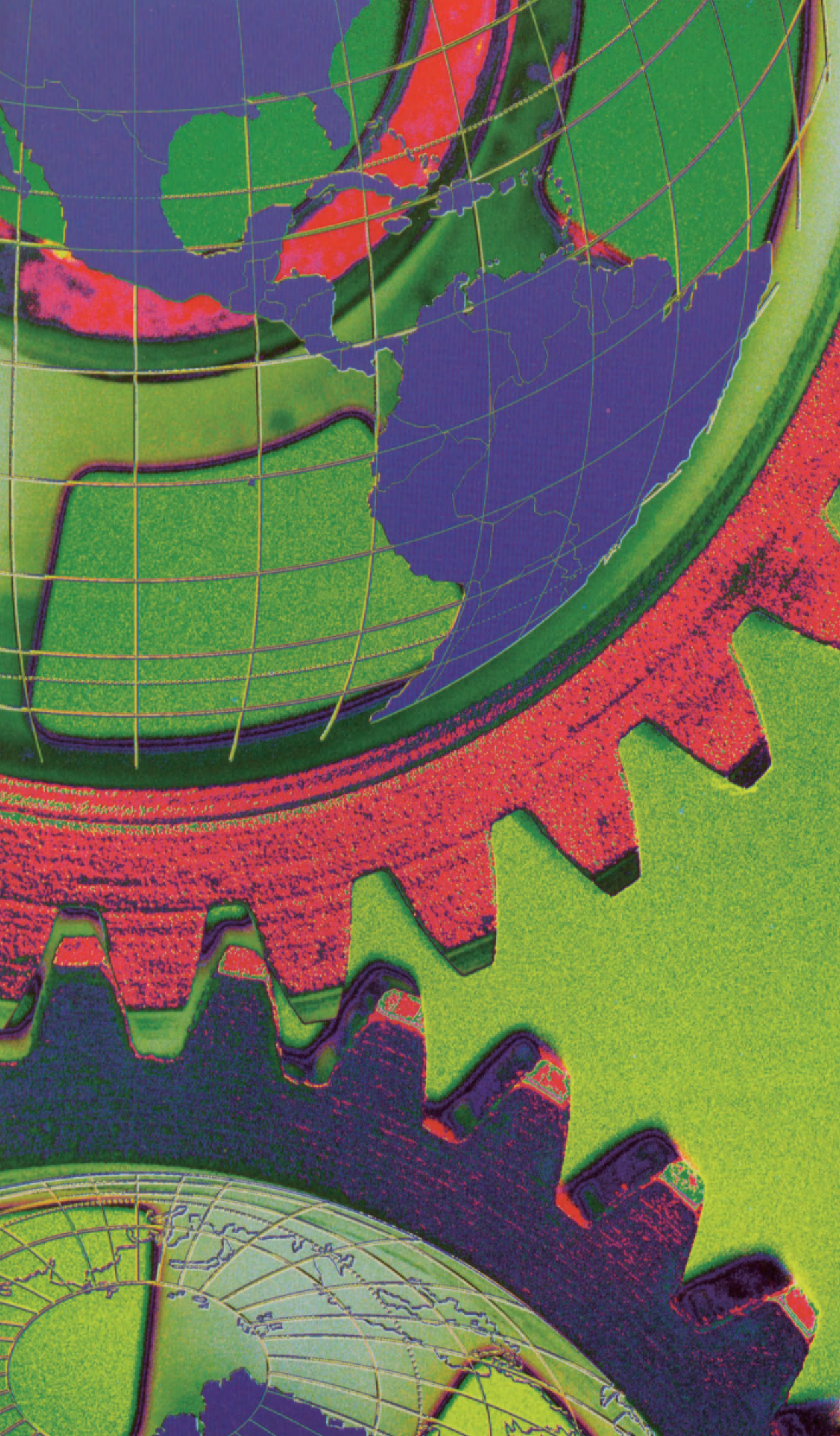
P—导程  
D—标准直径  
N—丝杠头数  
d<sub>0</sub>—公称直径

P Lead  
D Reference diameter  
N Number of starts  
d<sub>0</sub> Nominal diameter

d<sub>1</sub>—丝杠外径  
d<sub>2</sub>—丝杠根径  
C—额定运载  
C<sub>0</sub>—额定静载

d<sub>1</sub> External diameter  
d<sub>2</sub> Thread bottom diameter  
C Dynamic load capacity  
C<sub>0</sub> Static load capacity







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