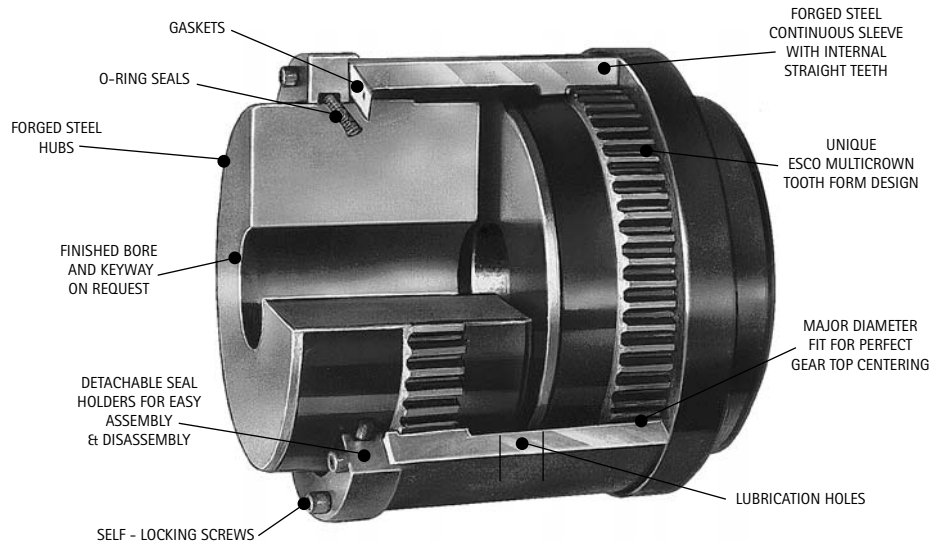


# SERIES C and C... M

## The most compact solution

Maximum torque: up to 174 000 Nm  
Bores: up to 290 mm

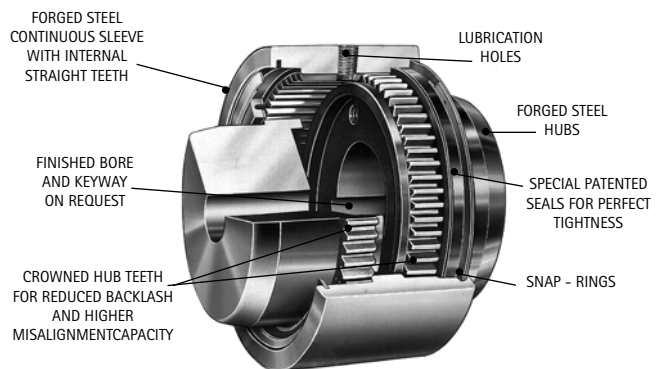
COMPACT  
SIMPLE AND ROBUST  
EASY TO ASSEMBLE



Maximum torque: up to 8 500 Nm  
Bores: up to 110 mm

COMPACT  
SIMPLE AND ROBUST  
ONLY 7 PARTS:

*Two snap rings  
Two hubs and one sleeve  
Two seals*

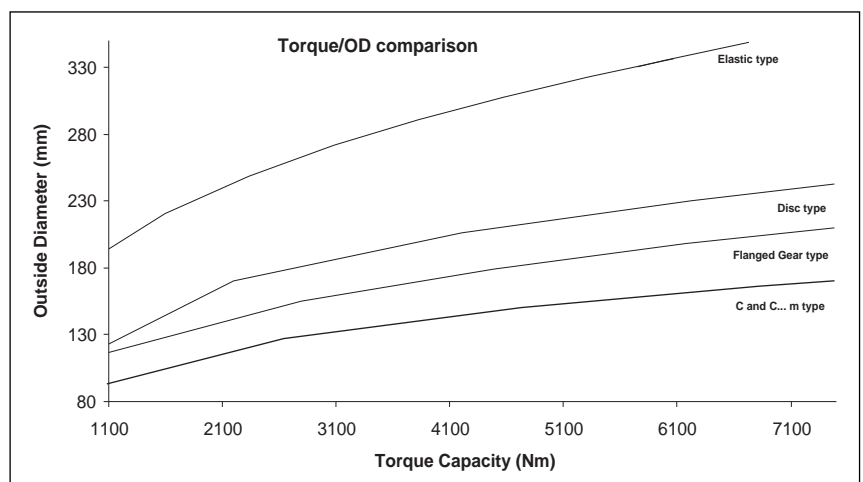


### Most compact solution


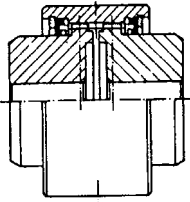

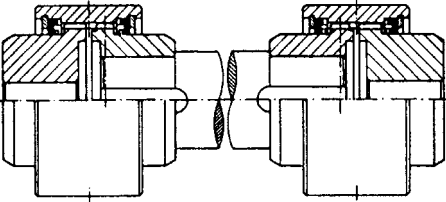

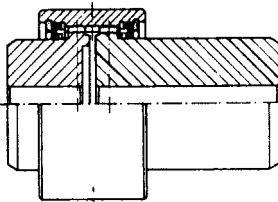

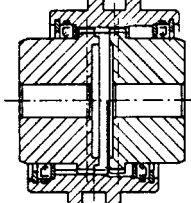

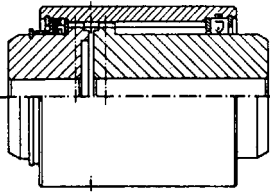

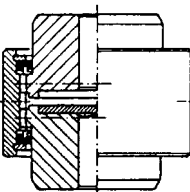
Thanks to the high torque capacity and the continuous sleeve design, the escogear C and C... M couplings are the most compact answer to any transmission applications. In comparison to other types of couplings and for a given torque they have a substantially lower weight and reduced outside diameter:


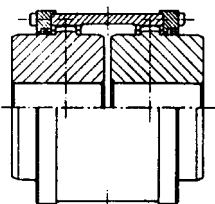

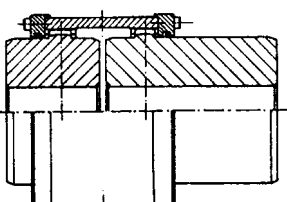

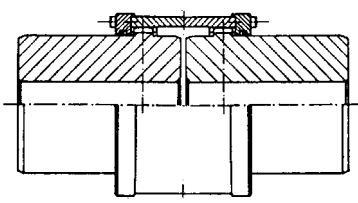

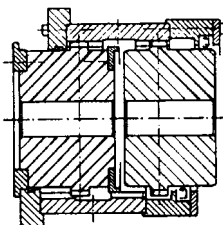

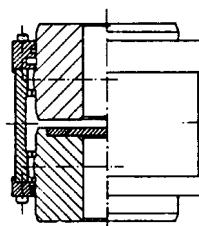
- <-> Flanged Gear type : 17% smaller O.D.
- <-> Disc type : 30% smaller O.D.
- <-> Elastic type : 52% smaller O.D.

This compactness makes the escogear C series ideal for use in applications where space is limited and weight important



# AVAILABILITIES

|   |  |                   |
|---|--|-------------------|
| CST   |  ← A310   | STANDARD          |
|    |  |                   |
| CFS - CFS... M  |  ← A311   | FLOATING SHAFT    |
|    |  |                   |
| CMM   |  ← A312   | MILL MOTOR        |
|  |  |                   |
| CCO   |  ← A314 | CUT-OUT           |
|  |  |                   |
| CSH   |  ← A315 | SLIDING HUB       |
|  |  |                   |
| CSV   |  ← A316 | STANDARD VERTICAL |
|  |  |                   |

|   |  |                   |
|---|--|-------------------|
| CST... M  |  ← B310   | STANDARD          |
|    |  |                   |
| CMM... M  |  ← B312   | MILL MOTOR        |
|    |  |                   |
| CDMM... M   |  ← B313 | MILL-MOTOR        |
|   |  |                   |
| CCO... M  |  ← B314 | CUT-OUT           |
|  |  |                   |
| CSV... M  |  ← B316 | STANDARD VERTICAL |
|  |  |                   |

## HOW TO SELECT THE RIGHT COUPLING SIZE

A. Select the size of ESCOGEAR coupling that will accommodate the largest shaft diameter.

B. Make sure this coupling has the required torque capacity according to following formula: torque in Nm =  $\frac{9550 \times P \times F_u \times F_{Ex}}{n}$

P = power in kW; n = speed in rpm;  $F_u$  = service factor according to tabulation 1.

$F_{Ex} = 2$  in case of use in potentially explosive atmospheres (Ex), European Directive 94/9/EC. In normal atmospheres,  $F_{Ex} = 1$ .

The coupling selected per (A) must have an equal or greater torque capacity than the result of the formula (B). If not select a larger size coupling. Check if application peak torque does not exceed tabulated peak torque  $T_p$  indicated planographs A310 to B317.

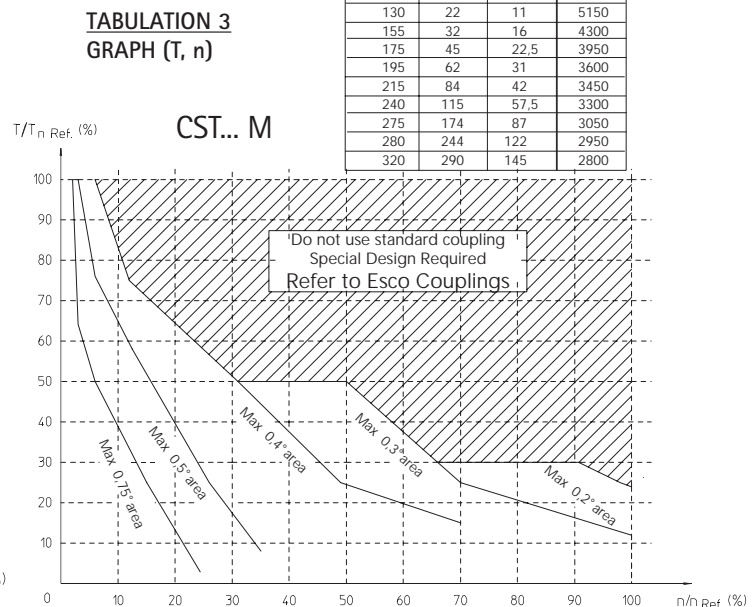
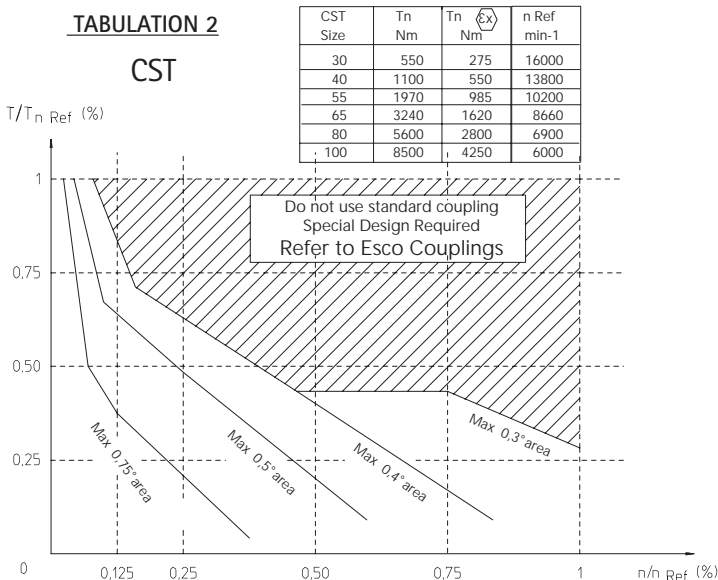
Check also max. allowable misalignment using the graph of tabulations 2 and 3.

C. Check if shaft/hub connection will transmit the torque. If necessary, select a longer hub.

D. Read carefully assembly and maintenance instructions IM/A300 and IM/B300.

| DRIVEN MACHINE  |   | APPLICATIONS | DRIVER MACHINE           |                                |  |
|-----------------|---|--------------|--------------------------|--------------------------------|--|
|                 |   |              | Electric motors Turbines | Hydraulic motors Gears drivers | Reciprocating engine Electric motors frequent starts |
| UNIFORM         | Generators - Blowers: centrifugal vane, fans - Centrifugal pumps and compressors - Machine tools: auxiliary drives - Conveyors: belt and chain, uniformly loaded, escalators - Can filling machines and bottling machinery - Agitators: pure liquids.   | 0,8 to 1,25  | Service factor $F_u$     |                                |  |
|                 |   | 1,25         | 1 to 1,5                 | 1,25 to 1,75                   |  |
|                 | Propeller - Waterjet pumps  | 1,25         | 1,5                      | 1,75                           |  |
| Moderate Shocks | Blowers: lobe - Pumps: gear and lobe types - Vane compressors - Machine tools: main drives - Conveyors: belt and chain not uniformly fed bucket and screw - Elevators, cranes, tackles and winches - Wire winding machines, reels, winders (paper industry) - Agitators liquids and solids, liquids variable density.   | 1,25 to 1,5  | 1,5 to 1,75              | 1,75 to 2                      |  |
| Heavy Shocks    | Generators (welding) - Reciprocating pumps and compressors - Laundry washers - Bending roll, punch press, tapping machines - Barkers, calanders, paper presses - Briquetter machines, cement furnace - Crushers: ore and stone, hammer mill, rubber mill - Metal mills: forming machines, table conveyors - Draw Bench, wire drawing and flattening machines - Road & railroad equipment. | 1,5 to 2     | 1,75 to 2,25             | 2 to 2,5                       |  |

### 1) MAXIMUM MISALIGNMENT



#### HOW TO USE THE GRAPH ?

Maximum torque, maximum speed and maximum misalignment may not occur simultaneously.

Graph must be used as follows:

1. Calculate  $T_n$  and  $T_p$  and select coupling size as usual.  $T_n$  = nominal torque;  $T_p$  = peak torque
2. Calculate  $T_n/T_nRef$  and  $n/nRef$  and plot the resulting point in the graph.
3. If the resulting point is located in the white area, a standard coupling may be used as far as maximum misalignment doesn't exceed the maximum misalignment indicated in the graph.
4. If the resulting point is located in the shaded area, refer to ESCO
5. In case of use in potentially explosive atmospheres (Ex), proceed the same way but using  $T_n Ref (Ex)$  for the calculation. Max misalignment may not exceed 0,5° per gear mesh.

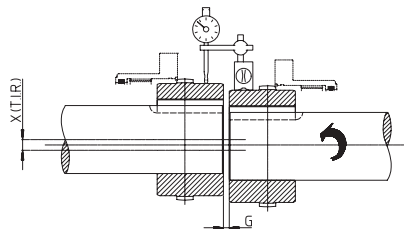
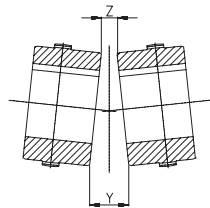


2) MINIMUM MISALIGNMENT =  $\Delta K_{w\min} = 0,1^\circ$

### 3) MISALIGNMENT CONTROL

1- Measure X (TIR) - 2- Measure Y-Z - 3- Verify the relationship for the misalignment control:  $\Delta K_{w\min} \leq \frac{X}{K_x} + \frac{Y-Z}{K_y} \leq 0,75 \times \Delta K_{w\max}$

| CST...M | Kx   | Ky    |
|---------|------|-------|
| 110     | 3,80 | 5,27  |
| 130     | 4,47 | 6,21  |
| 155     | 5,03 | 7,44  |
| 175     | 5,72 | 8,20  |
| 195     | 6,35 | 9,18  |
| 215     | 7,47 | 9,98  |
| 240     | 8,24 | 11,00 |
| 275     | 9,18 | 12,99 |



### 4) EXAMPLES:

#### Calculation

$$\left. \begin{array}{l} T/T_n \text{ ref} = 30\% \\ n/n \text{ ref} = 30\% \end{array} \right\} \Delta K_{w\max} = 0,4^\circ$$

CST...M 175:  $K_x = 5,72$   $K_y = 8,2$

#### Measurement

X (TIR) = 0,9 mm      Y-Z = 0,4 mm

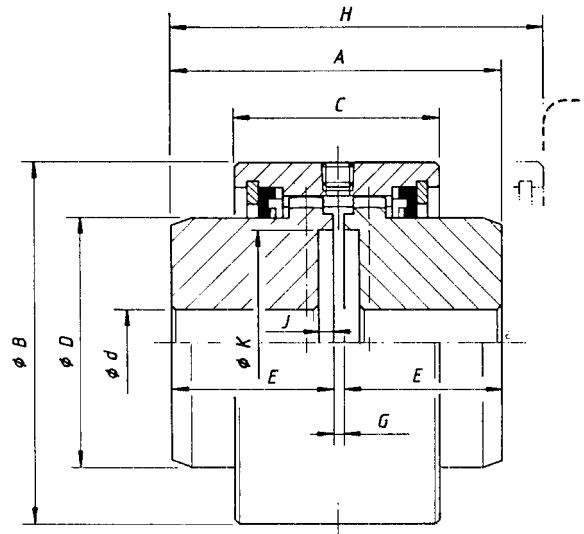
#### Control

Formule:

$$\Delta K_{w\min} \leq \frac{X}{K_x} + \frac{Y-Z}{K_y} \leq 0,75 \times \Delta K_{w\max}$$

Calculation :  $0,1^\circ \leq \frac{0,9}{5,7} + \frac{0,4}{8,2} \leq 0,75 \times 0,4$

| LEGEND OF USED PICTOGRAMS |                           | Notes for series C / CST...M  |                                       |
|---------------------------|---------------------------|---|---------------------------------------|
|                           | MAXIMUM NOMINAL BORE (mm) | <ol style="list-style-type: none"> <li>1 For key according to ISO R 773.</li> <li>2 Gear maximum continuous transmissible torque for the tabulated misalignment. The effective transmissible torque depends on the bore and shaft/hub connection.</li> <li>3 Higher speed on special request.</li> <li>3.1 For grease withstanding centrifugal acceleration of 1.000g. See installation and maintenance manual IM.</li> <li>3.2 For grease withstanding centrifugal acceleration of 2.000g. See installation and maintenance manual IM.</li> <li>3.3 Depends on S.</li> <li>3.4 For long operation in disconnected position contact us.</li> <li>4 For solid bore.</li> <li>4.1 Depends on S.</li> <li>4.2 For solid bore and S minimum.</li> <li>4.3 Per 100 mm spacer length.</li> <li>4.4 Depends on L and R.</li> <li>5 For pilot bored hubs.</li> <li>5.1 Depends on S.</li> <li>5.2 For pilot bored hubs and S minimum.</li> <li>5.3 Per 100 mm spacer length.</li> <li>5.4 Depends on L and R.</li> <li>6 See installation and maintenance manual IM.</li> <li>6.1 Depends on S. Values given for S maximum.</li> <li>7 On request. For larger S contact us.</li> <li>8 Values for S minimum. S maximum depends on torque and speed.</li> <li>9 G must remain constant during operation.</li> <li>10 Needed to control the alignment and inspect the gears.</li> </ol> <p>* Max. torque, speed and misalignment tabulated values may not be cumulated. See IM/A300, IM/B300.</p> |                                       |
|                           | MINIMUM BORE (mm)         |   |                                       |
|                           | MAXIMUM BORE (mm)         |   |                                       |
|                           | Tn                        |   | MAXIMUM NOMINAL TORQUE (Nm)           |
|                           | Tp                        |   | MAXIMUM PEAK TORQUE (Nm)              |
|                           |                           |   | MAXIMUM SPEED (rpm)                   |
|                           |                           |   | MAXIMUM OFFSET (mm)                   |
|                           |                           |   | MAXIMUM ANGULAR MISALIGNMENT (degree) |
|                           | J (WR <sup>2</sup> )      |   | INERTIA (kgm <sup>2</sup> )           |
|                           |                           |   | WEIGHT (kg)                           |
|                           |                           | GREASE QUANTITY (dm <sup>3</sup> )  |                                       |

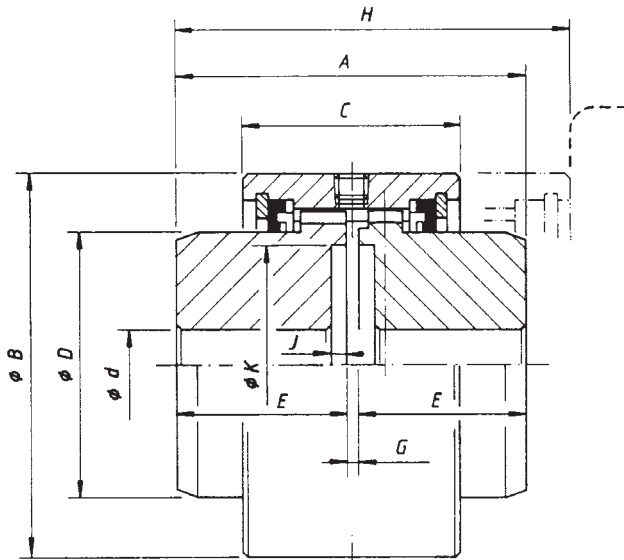


max. 1,5°

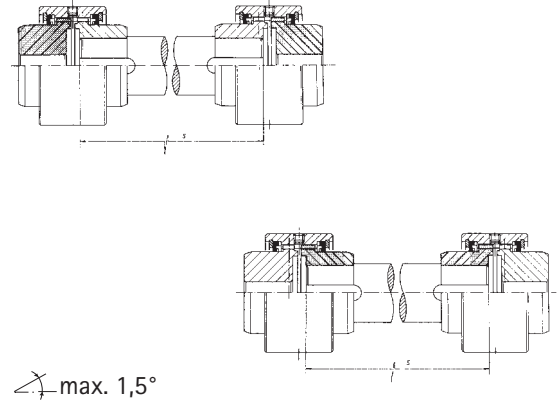
| ←A150 |                  |                                  | Type CST |        |        |        |        |        |
|-------|------------------|----------------------------------|----------|--------|--------|--------|--------|--------|
|       |                  |                                  | 30       | 40     | 55     | 65     | 80     | 100    |
|       | d Ø nominal max. | mm                               | 32       | 42     | 57     | 70     | 85     | 100    |
|       | d Ø min.         | mm                               | 0        | 0      | 22     | 25     | 38     | 38     |
|       | * d Ø max.       | mm                               | 35       | 42     | 63     | 75     | 90     | 110    |
|       | Tn               | Nm                               | 550      | 1100   | 1970   | 3240   | 5600   | 8500   |
|       | 1m ↓<br>Tp       |                                  | 1100     | 2200   | 3940   | 6480   | 11200  | 17000  |
|       | 3.1              | tr/min<br>omw/min                | 5500     | 5100   | 4400   | 4000   | 3600   | 3400   |
|       | 3.2              | rpm<br>min <sup>-1</sup>         | 7750     | 7200   | 6200   | 5600   | 5100   | 4800   |
|       | —                | degré<br>graad<br>degree<br>Grad | 2x0,75   | 2x0,75 | 2x0,75 | 2x0,75 | 2x0,75 | 2x0,75 |
|       | —                | mm                               | 0,1      | 0,14   | 0,14   | 0,19   | 0,22   | 0,23   |
|       | 4                | kgm <sup>2</sup>                 | 0,002    | 0,004  | 0,010  | 0,022  | 0,052  | 0,122  |
|       | 5                | kg                               | 2        | 3,4    | 6      | 9,1    | 15     | 29     |
|       | 6                | dm <sup>3</sup>                  | 0,022    | 0,036  | 0,063  | 0,114  | 0,201  | 0,270  |
| mm: ± | A                | mm                               | 80       | 95     | 110    | 120    | 140    | 222    |
|       | B                | mm                               | 84       | 95     | 120    | 140    | 168    | 190    |
|       | C                | mm                               | 50       | 65     | 68     | 80     | 95     | 102    |
|       | D                | mm                               | 50,9     | 60,4   | 82,6   | 100    | 121    | 143    |
|       | E                | mm                               | 38,5     | 46     | 53,5   | 57     | 67     | 108    |
|       | G                | mm                               | 3        | 3      | 3      | 6      | 6      | 6      |
|       | H                | mm                               | 96       | 117    | 124    | 146    | 175    | 223    |
|       | J                | mm                               | 3        | 5      | 5      | 6      | 6      | 6      |
| K     | mm               | 49                               | 57       | 76     | 95     | 121    | 140    |        |

\* Consult us

## FLEX - RIGID



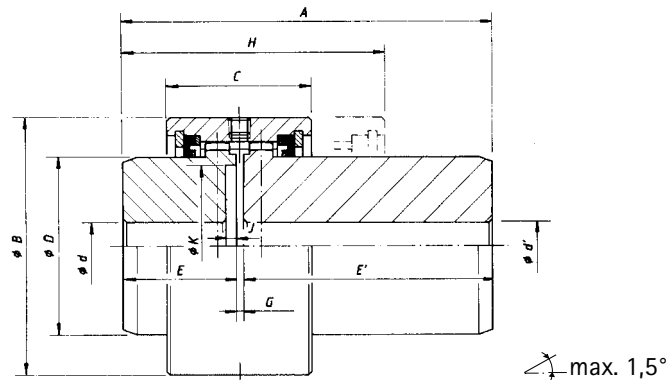
## SET FLOATING SHAFT













Shaft can be supplied at demands

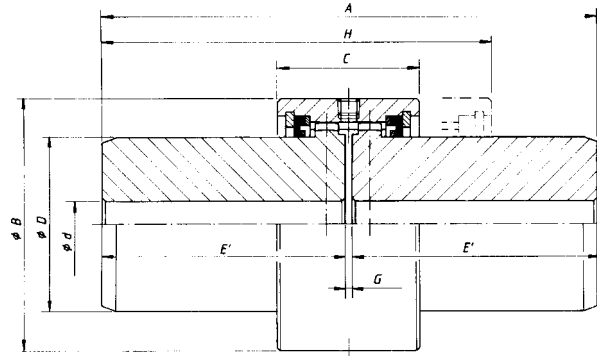
| ← A150                                     |      |   | Type CFS |       |       |       |       |       |
|--|------|---|----------|-------|-------|-------|-------|-------|
|  |      |   | 30       | 40    | 55    | 65    | 80    | 100   |
| d Ø nominal max.<br>d Ø min.<br>* d Ø max. | 1    | mm  | 32       | 42    | 57    | 70    | 85    | 100   |
|  |      | mm  | 0        | 0     | 22    | 25    | 38    | 38    |
|  |      | mm  | 35       | 42    | 63    | 75    | 90    | 110   |
| 1m Nm                                      | Tn   | Nm  | 550      | 1100  | 1970  | 3240  | 5600  | 8500  |
|  | Tp   | Nm  | 1100     | 2200  | 3940  | 6480  | 11200 | 17000 |
| /min.max.                                  | 3.3  | tr/min<br>omw/min<br>rpm<br>min <sup>-1</sup> |          |       |       |       |       |       |
| α  | —    | degré<br>graad<br>degree<br>Grad              | 0,75     | 0,75  | 0,75  | 0,75  | 0,75  | 0,75  |
| J<br>(WR <sup>2</sup> )                    | 4    | kgm <sup>2</sup>                              | 0,002    | 0,004 | 0,010 | 0,022 | 0,052 | 0,122 |
|  | 5    | kg  | 2        | 3,4   | 6     | 9,1   | 15    | 29    |
| Grease                                     | 6    | dm <sup>3</sup>                               | 0,022    | 0,036 | 0,063 | 0,114 | 0,201 | 0,270 |
| mm: ±                                      | A    | mm  | 80       | 95    | 110   | 120   | 140   | 222   |
|  | B    | mm  | 84       | 95    | 120   | 140   | 168   | 190   |
|  | C    | mm  | 50       | 65    | 68    | 80    | 95    | 102   |
|  | D    | mm  | 50,9     | 60,4  | 82,6  | 100   | 121   | 143   |
|  | E    | mm  | 38,5     | 46    | 53,5  | 57    | 67    | 108   |
|  | G    | mm  | 3        | 3     | 3     | 6     | 6     | 6     |
|  | H 10 | mm  | 96       | 117   | 124   | 146   | 175   | 223   |
|  | J    | mm  | 3        | 5     | 5     | 6     | 6     | 6     |
|  | K    | mm  | 49       | 57    | 76    | 95    | 121   | 140   |
| min.                                       | S 8  | mm  | 76       | 92    | 105   | 114   | 133   | 204   |

\* Consult us












|  ←A150 |                         | Type CMM                         |        |        |        |        |        |        |     |
|---|-------------------------|----------------------------------|--------|--------|--------|--------|--------|--------|-----|
|   |                         | 30                               | 40     | 55     | 65     | 80     | 100    |        |     |
|       | d Ø nominal max.        | mm                               | 32     | 42     | 57     | 70     | 85     | 100    |     |
|   | d Ø min.                | mm                               | 0      | 0      | 22     | 25     | 38     | 38     |     |
|   | * d Ø max.              | mm                               | 35     | 42     | 63     | 75     | 90     | 110    |     |
|      | d' Ø nominal max.       | mm                               | 32     | 42     | 57     | 70     | 85     | 100    |     |
|   | d' Ø min.               | mm                               | 0      | 0      | 0      | 0      | 40     | 40     |     |
|   | * d' Ø max.             | mm                               | 35     | 42     | 63     | 75     | 90     | 110    |     |
|      | Tn                      | Nm                               | 550    | 1100   | 1970   | 3240   | 5600   | 8500   |     |
|   | Tp                      |                                  | 1100   | 2200   | 3940   | 6480   | 1120   | 17000  |     |
|      | 3.1                     | tr/min<br>omw/min                | 5500   | 5100   | 4400   | 4000   | 3600   | 3400   |     |
|   | 3.2                     | rpm<br>min <sup>-1</sup>         | 7750   | 7200   | 6200   | 5600   | 5100   | 4800   |     |
|      | —                       | degré<br>graad<br>degree<br>Grad | 2x0,75 | 2x0,75 | 2x0,75 | 2x0,75 | 2x0,75 | 2x0,75 |     |
|      | —                       | mm                               | 0,1    | 0,14   | 0,14   | 0,19   | 0,22   | 0,23   |     |
|      | J<br>(WR <sup>2</sup> ) | kgm <sup>2</sup>                 | 0,002  | 0,004  | 0,012  | 0,028  | 0,065  | 0,140  |     |
|      |                         | kg                               | 2,8    | 4,5    | 8,5    | 13,3   | 21,4   | 35,7   |     |
|      |                         | dm <sup>3</sup>                  | 0,022  | 0,036  | 0,063  | 0,114  | 0,201  | 0,270  |     |
| mm: ±   | A                       | mm                               | 136,7  | 150    | 174    | 193    | 219    | 279    |     |
|   | B                       | mm                               | 84     | 95     | 120    | 140    | 168    | 190    |     |
|   | C                       | mm                               | 50     | 65     | 68     | 80     | 95     | 102    |     |
|   | D                       | mm                               | 50,9   | 60,4   | 82,6   | 100    | 121    | 143    |     |
|   | E                       | mm                               | 38,5   | 46     | 53,5   | 57     | 67     | 108    |     |
|   | E'                      | mm                               | 95,2   | 101    | 117,5  | 130    | 146    | 165    |     |
|   | G                       | mm                               | 3      | 3      | 3      | 6      | 6      | 6      |     |
|   | H                       | 10                               | mm     | 96     | 117    | 124    | 146    | 175    | 223 |
|   | J                       | mm                               | 3      | 5      | 5      | 6      | 6      | 6      |     |
|   | K                       | mm                               | 49     | 57     | 76     | 95     | 121    | 140    |     |

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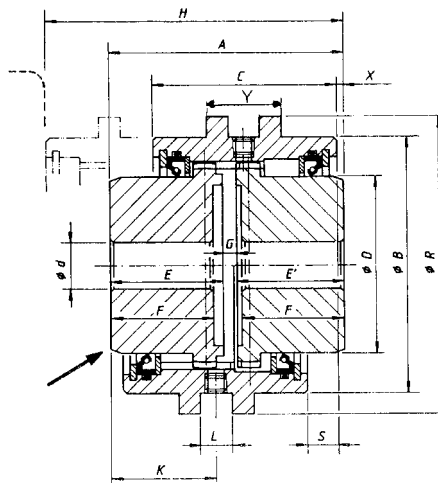


∠ max. 1,5°

|  ←A150 |                      |     | Type CDMM                        |        |        |        |        |        |        |
|---|----------------------|-----|----------------------------------|--------|--------|--------|--------|--------|--------|
|   |                      |     | 30                               | 40     | 55     | 65     | 80     | 100    |        |
|        | d Ø nominal max.     | 1   | mm                               | 32     | 42     | 57     | 70     | 85     | 100    |
|   | d Ø min.             |     | mm                               | 0      | 0      | 0      | 0      | 40     | 40     |
|   | * d Ø max.           |     | mm                               | 35     | 42     | 63     | 75     | 90     | 110    |
|        | Tn                   | 2   | Nm                               | 550    | 1100   | 1970   | 3240   | 5600   | 8500   |
|   | 1m<br>Tp             |     |                                  | 1100   | 2200   | 3940   | 6480   | 11200  | 17000  |
|        | /min.max.            | 3.1 | tr/min<br>omw/min<br>rpm         | 5500   | 5100   | 4400   | 4000   | 3600   | 3400   |
|   |                      | 3.2 | min <sup>-1</sup>                | 7750   | 7200   | 6200   | 5600   | 5100   | 4800   |
|        |                      | —   | degré<br>graad<br>degree<br>Grad | 2x0,75 | 2x0,75 | 2x0,75 | 2x0,75 | 2x0,75 | 2x0,75 |
|        |                      | —   | mm                               | 0,1    | 0,14   | 0,14   | 0,19   | 0,22   | 0,23   |
|        | J (WR <sup>2</sup> ) | 4   | kgm <sup>2</sup>                 | 0,003  | 0,005  | 0,015  | 0,033  | 0,078  | 0,158  |
|        |                      | 5   | kg                               | 3,8    | 8,5    | 11,4   | 18     | 27,6   | 42,2   |
|        | Grease               | 6   | dm <sup>3</sup>                  | 0,022  | 0,036  | 0,063  | 0,114  | 0,201  | 0,270  |
| mm: ±   | A                    |     | mm                               | 193,4  | 205    | 238    | 266    | 298    | 336    |
|   | B                    |     | mm                               | 84     | 95     | 120    | 140    | 168    | 190    |
|   | C                    |     | mm                               | 50     | 65     | 68     | 80     | 95     | 102    |
|   | D                    |     | mm                               | 50,9   | 60,4   | 82,6   | 100    | 121    | 143    |
|   | E'                   |     | mm                               | 95,2   | 101    | 117,5  | 130    | 146    | 165    |
|   | G                    |     | mm                               | 3      | 3      | 3      | 6      | 6      | 6      |
|   | H                    | 10  | mm                               | 152    | 172    | 188    | 219    | 254    | 280    |

\* Consult us

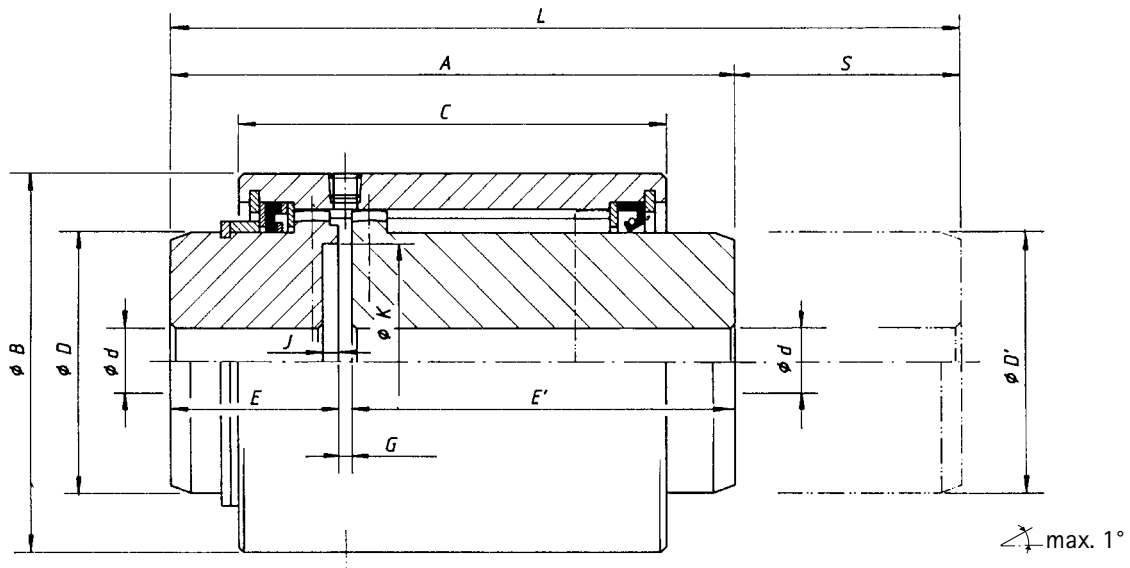









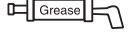


CE MOYEU A L'ARRET EN CONDITION DEBRAYEE  
 WANNEER UITGESCHAKELD STAAT DEZE NAAF STIL  
 THIS HUB IN STAND STILL WHEN DISCONNECTED  
 Im ausgeschalteten Zustand steht die Nabe still

max. 1°

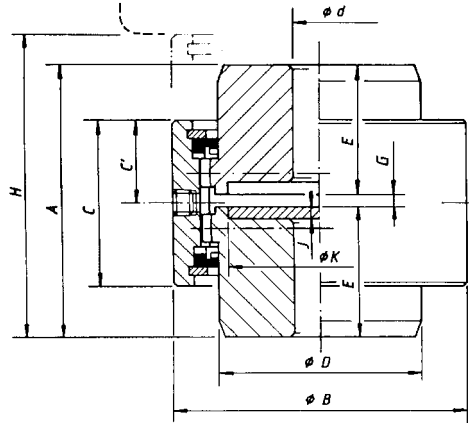
| ← A150 |     |   | Type CCO |       |       |       |       |       |
|--------|-----|---|----------|-------|-------|-------|-------|-------|
|        |     |   | 30       | 40    | 55    | 65    | 80    | 100   |
|        | 1   | mm  | 32       | 42    | 57    | 70    | 85    | 100   |
|        |     | mm  | 0        | 0     | 22    | 25    | 38    | 38    |
|        | 2   | Tn  | 550      | 1100  | 1970  | 3240  | 5600  | 8500  |
|        |     | Tp  | 1100     | 2200  | 3940  | 6480  | 11200 | 17000 |
|        | 3.4 | tr/min<br>omw/min<br>rpm<br>min <sup>-1</sup> | 4500     | 3800  | 2750  | 2200  | 1850  | 1600  |
|        | —   | degré<br>graad<br>degree<br>Grad              | 2x0,5    | 2x0,5 | 2x0,5 | 2x0,5 | 2x0,5 | 2x0,5 |
|        | 4.4 | J<br>(WR <sup>2</sup> )                       | 0,004    | 0,009 | 0,022 | 0,035 | 0,08  | 0,17  |
|        | 5.4 | kg  | 3,0      | 5,0   | 8,5   | 11,4  | 18,5  | 33    |
|        | 6   | dm <sup>3</sup>                               | 0,035    | 0,058 | 0,094 | 0,172 | 0,295 | 0,435 |
| mm: ±  | A   | mm  | 80       | 94,8  | 110   | 117   | 139   | 222,5 |
|        | B   | mm  | 84       | 95    | 120   | 140   | 168   | 190   |
|        | C   | mm  | 68       | 87    | 93,5  | 101   | 111   | 125,5 |
|        | D   | mm  | 50       | 60    | 82    | 100   | 120   | 140   |
|        | E   | mm  | 38,5     | 46    | 53,5  | 57    | 67    | 108   |
|        | E'  | mm  | 35,5     | 42,8  | 50,5  | 53    | 61    | 102   |
|        | F   | mm  | 35,5     | 41    | 48,5  | 51    | 61    | 102   |
|        | G   | mm  | 6        | 6     | 6     | 7     | 11    | 12,5  |
|        | H   | mm  | 125      | 140   | 155   | 165   | 195   | 250   |
|        | K   | mm  | 35,5     | 39,5  | 47,5  | 50,5  | 60    | 101,5 |
| max.   | R   | mm  | 120      | 135   | 170   | 180   | 215   | 240   |
|        | L   | mm  | 30       | 35    | 40    | 45    | 45    | 50    |
|        | S   | mm  | 9,5      | 16    | 14    | 17,5  | 19    | 20,5  |
|        | X   | mm  | 0,9      | -4,1  | 1,4   | -1,5  | 4,3   | 37,5  |
|        | Y   | mm  | 45       | 55    | 60    | 65    | 70    | 75    |



|  ← A150                         |     |   | Type CSH |       |       |       |       |       |       |
|---|-----|---|----------|-------|-------|-------|-------|-------|-------|
|   |     |   | 30       | 40    | 55    | 65    | 80    | 100   |       |
| <br>$\phi$ max.<br>$\phi$ min. | 1   | mm  | 32       | 42    | 57    | 70    | 85    | 100   |       |
|   |     | mm  | 0        | 0     | 22    | 25    | 38    | 38    |       |
| <br>1m Nm                      | 2   | Tn  | 550      | 1100  | 1970  | 3240  | 5600  | 8500  |       |
|   |     | Tp  | 1100     | 2200  | 3940  | 6480  | 11200 | 17000 |       |
| <br>/min.max.                  | 3.3 | tr/min<br>omw/min<br>rpm<br>min <sup>-1</sup> |          |       |       |       |       |       |       |
| <br>$\alpha$                   | —   | degré<br>graad<br>degree<br>Grad              | 2x0,5    | 2x0,5 | 2x0,5 | 2x0,5 | 2x0,5 | 2x0,5 |       |
| <br>J<br>(WR <sup>2</sup> )    | 4.1 | kgm <sup>2</sup>                              |          |       |       |       |       |       |       |
|                                | 5.1 | kg  |          |       |       |       |       |       |       |
| <br>Grease                     | 6.1 | dm <sup>3</sup>                               |          |       |       |       |       |       |       |
| mm: ±   | A   | 6.1   | mm       | 109,2 | 117   | 179,5 | 186,2 | 216,2 | 263   |
|   | B   |   | mm       | 84    | 95    | 120   | 140   | 168   | 190   |
|   | C   | 6.1   | mm       | 83    | 90,5  | 142,5 | 143,5 | 166,5 | 169,5 |
|   | D   |   | mm       | 50,9  | 60,4  | 82,6  | 100   | 121   | 143   |
|   | D'  |   | mm       | 50    | 60    | 82    | 100   | 120   | 140   |
|   | E   |   | mm       | 38,5  | 46    | 53,5  | 57    | 67    | 108   |
|   | E'  | 6.1   | mm       | 67    | 67    | 122   | 125   | 145   | 150   |
|   | G   |   | mm       | 3,7   | 4     | 4     | 4,2   | 4,2   | 5     |
|   | J   |   | mm       | 3     | 5     | 5     | 6     | 6     | 6     |
|   | K   |   | mm       | 49    | 57    | 76    | 95    | 121   | 140   |
| max.  | L   | 6.1   | mm       | 139,7 | 141   | 250,9 | 253,5 | 297,2 | 342   |
|   | S   | 7   | mm       | 30,5  | 24    | 71,4  | 67,3  | 81    | 79    |

TAILLES SUPERIEURES A LA DEMANDE  
 GROTERE MODELLEN OP AANVRAAG  
 LARGER SIZES ON REQUEST  
 GROESSERE ABMESSUNGEN AUF ANFRAGE

\* Consult us



$\alpha$  max. 1°

| ← A150 |    |   | Type CSV |       |       |       |       |       |     |
|--------|----|---|----------|-------|-------|-------|-------|-------|-----|
|        |    |   | 30       | 40    | 55    | 65    | 80    | 100   |     |
|        | 1  | d Ø nominal max. mm                           | 32       | 42    | 57    | 70    | 85    | 100   |     |
|        |    | d Ø min. mm                                   | 0        | 0     | 22    | 25    | 38    | 38    |     |
|        |    | * d Ø max. mm                                 | 35       | 42    | 63    | 75    | 90    | 110   |     |
|        | 2  | Tn Nm   | 550      | 1100  | 1970  | 3240  | 5600  | 8500  |     |
|        |    | Tp Nm   | 1100     | 2200  | 3940  | 6480  | 11200 | 17000 |     |
|        | 3  | tr/min<br>omw/min<br>rpm<br>min <sup>-1</sup> | 5500     | 5100  | 4400  | 4000  | 3600  | 3400  |     |
|        | —  | degré<br>graad<br>degree<br>Grad              | 2x0,5    | 2x0,5 | 2x0,5 | 2x0,5 | 2x0,5 | 2x0,5 |     |
|        | —  | mm  | 0,07     | 0,09  | 0,09  | 0,12  | 0,14  | 0,15  |     |
|        | 4  | J<br>(WR <sup>2</sup> ) kgm <sup>2</sup>      | 0,002    | 0,004 | 0,010 | 0,022 | 0,052 | 0,122 |     |
|        | 5  | kg  | 2        | 3,4   | 6     | 9,1   | 15    | 29    |     |
|        | 6  | dm <sup>3</sup>                               | 0,022    | 0,036 | 0,063 | 0,120 | 0,201 | 0,273 |     |
| mm: ±  | A  | mm  | 80       | 95    | 110   | 120   | 140   | 222   |     |
|        | B  | mm  | 84       | 95    | 120   | 140   | 168   | 190   |     |
|        | C  | mm  | 50       | 65    | 68    | 80    | 95    | 102   |     |
|        | C' | mm  | 25       | 32,5  | 34    | 40    | 47,5  | 51    |     |
|        | D  | mm  | 50,9     | 60,4  | 82,6  | 100   | 121   | 143   |     |
|        | E  | mm  | 38,5     | 46    | 53,5  | 57    | 67    | 108   |     |
|        | G  | 9 mm  | mm       | 3     | 3     | 3     | 6     | 6     | 6   |
|        | H  | mm  | mm       | 96    | 117   | 124   | 146   | 175   | 223 |
|        | J  | mm  | mm       | 3     | 5     | 5     | 6     | 6     | 6   |
|        | K  | mm  | mm       | 49    | 57    | 76    | 95    | 121   | 140 |

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