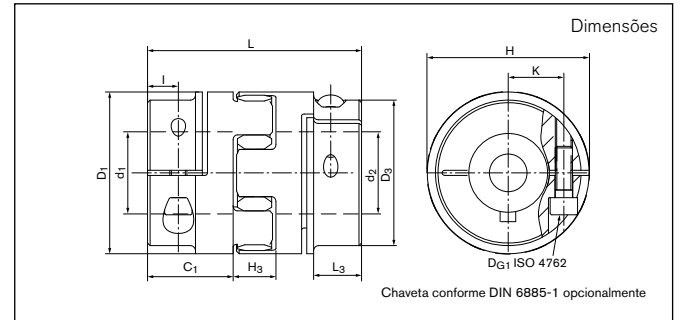


**Acoplamentos de inserção  
servo livres de folga**

**Séries GWE 5104**



**Dimensões**

**d<sub>1</sub>, d<sub>2min</sub>** = Diâmetro mín. do furo

**d<sub>1</sub>, d<sub>2max</sub>** = Diâmetro máx. do furo

**d<sub>1k</sub>, d<sub>2kmin</sub>** = Diâmetro mín. do furo (com chaveta)

**d<sub>1k</sub>, d<sub>2kmax</sub>** = Diâmetro máx. do furo (com chaveta)

**C<sub>1</sub>** = Comprimento orientado no furo do eixo d<sub>1</sub>

**D<sub>1</sub>** = Diâmetro externo

**D<sub>3</sub>** = Diâmetro externo da base do cubo

**H** = Diâmetro da folga

**H<sub>3</sub>** = Comprimento da peça de amortecimento (fole/elastômero)

**I** = Distância entre o furo do parafuso de aperto e o terminal do cubo

**K** = Distância do eixo do veio - eixo do parafuso de aperto

**L** = Comprimento total do acoplamento

**L<sub>3</sub>** = Comprimento da seção do cubo

| Tamanho | d <sub>1</sub> ; d <sub>2</sub><br>min-max |             | d <sub>1k</sub> ; d <sub>2k</sub><br>min-max |     | C <sub>1</sub> | D <sub>1</sub> | D <sub>3</sub> | H    | H <sub>3</sub> | I   | K   | L  | L <sub>3</sub> |
|---------|--|-------------|--|-----|----------------|----------------|----------------|------|----------------|-----|-----|----|----------------|
|         | Sem chaveta                                | Com chaveta |  |     |                |                |                |      |                |     |     |    |                |
|         | mm   | mm          | mm   | mm  | mm             | mm             | mm             | mm   | mm             | mm  | mm  | mm | mm             |
| 14      | 5 - 16                                     | 5 - 16      | 11   | 30  | ---            | 32,2           | 13             | 5    | 11             | 35  | --- |    |                |
| 19      | 6 - 20                                     | 6 - 20      | 25   | 40  | ---            | 46             | 16             | 12   | 14,5           | 66  | --- |    |                |
| 24      | 10 - 32                                    | 10 - 32     | 30   | 55  | ---            | 57             | 18             | 10,5 | 20             | 78  | --- |    |                |
| 28      | 10 - 38                                    | 10 - 38     | 35   | 65  | ---            | 71             | 20             | 11,5 | 24,5           | 90  | --- |    |                |
| 38      | 12 - 48                                    | 12 - 48     | 45   | 80  | ---            | 83             | 24             | 15,5 | 30             | 114 | --- |    |                |
| 42      | 14 - 54                                    | 14 - 54     | 50   | 95  | 85             | 95             | 26             | 18   | 32,5           | 126 | 28  |    |                |
| 48      | 15 - 60                                    | 15 - 60     | 56   | 105 | 95             | 106            | 28             | 21   | 37             | 140 | 32  |    |                |
| 55      | 35 - 74                                    | 35 - 74     | 65   | 120 | ---            | 120            | 30             | 26   | 45             | 160 | --- |    |                |
| 65      | 35 - 80                                    | 35 - 80     | 75   | 135 | ---            | 135            | 35             | 28   | 50             | 185 | --- |    |                |
| 75      | 30 - 95                                    | 30 - 95     | 85   | 160 | ---            | 160            | 40             | 36   | 60             | 210 | --- |    |                |

Momento de inércia e peso (massa) são calculados com referência ao tamanho do furo maior.

**Acoplamentos de inserção servo livres de folga**
**Séries GWE 5104**
**Dados técnicos**
**T** = Torque transmissível a um  $T_A$  determinado

**H<sub>es</sub>** = Padrão de dureza da estrela de elastômero

**n<sub>max</sub>** = Velocidade máxima de rotação

**J** = Momento total de inércia

**Gw** = Peso

**D<sub>G1</sub>** = Rosca

**T<sub>A1</sub>** = Torque de travamento do parafuso de aperto (D<sub>G1</sub>)

| Tamanho | T    | H <sub>es</sub> | n <sub>max</sub> | J                                 | Gw    | D <sub>G1</sub> | T <sub>A1</sub> |
|---------|------|-----------------|------------------|-----------------------------------|-------|-----------------|-----------------|
|         | Nm   |                 | 1/min            | 10 <sup>-3</sup> Kgm <sup>2</sup> | kg    | mm              | Nm              |
| 14      | 12,5 | 98 SH A         | 13000            | 0,006                             | 0,042 | 1 x M3          | 2               |
| 19      | 17   | 98 SH A         | 10000            | 0,036                             | 0,158 | 1 x M6          | 11              |
| 24      | 60   | 98 SH A         | 7000             | 0,15                              | 0,304 | 1 x M6          | 15              |
| 28      | 160  | 98 SH A         | 6000             | 0,33                              | 0,505 | 1 x M8          | 32              |
| 38      | 325  | 98 SH A         | 5000             | 0,96                              | 0,934 | 1 x M8          | 38              |
| 42      | 450  | 98 SH A         | 4000             | 4,92                              | 3,8   | 1 x M10         | 84              |
| 48      | 525  | 98 SH A         | 3600             | 8,26                              | 4,9   | 1 x M12         | 145             |
| 55      | 685  | 98 SH A         | 3150             | 19,15                             | 10,2  | 1 x M12         | 145             |
| 65      | 940  | 95 SH A         | 2800             | 30,72                             | 13,7  | 1 x M12         | 145             |
| 75      | 1920 | 95 SH A         | 2350             | 66,68                             | 21,34 | 1 x M16         | 295             |

**Faixa do furo / Valores de torque**

| Tamanho | Ø5  | Ø6  | Ø8  | Ø10 | Ø12 | Ø14  | Ø16  | Ø20 | Ø25 | Ø30 | Ø35 | Ø40  | Ø45  | Ø50  | Ø55  | Ø60  | Ø65  | Ø70  | Ø80  | Ø90  | Ø95  |
|---------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 14      | 4,8 | 6,0 | 7,7 | 9,4 | 11  | 12,5 | 12,5 | --- | --- | --- | --- | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
| 19      | --- | 16  | 17  | 17  | 17  | 17   | 17   | 17  | --- | --- | --- | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
| 24      | --- | --- | --- | 37  | 43  | 50   | 56   | 60  | 60  | 60  | --- | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
| 28      | --- | --- | --- | 61  | 72  | 83   | 94   | 114 | 138 | 160 | 160 | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
| 38      | --- | --- | --- | --- | 87  | 100  | 113  | 138 | 168 | 197 | 225 | 251  | 277  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
| 42      | --- | --- | --- | --- | --- | 174  | 197  | 242 | 296 | 348 | 398 | 450  | 450  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
| 48      | --- | --- | --- | --- | --- | ---  | 276  | 343 | 424 | 502 | 525 | 525  | 525  | 525  | 525  | ---  | ---  | ---  | ---  | ---  | ---  |
| 55      | --- | --- | --- | --- | --- | ---  | ---  | --- | --- | --- | 630 | 685  | 685  | 685  | 685  | 685  | 685  | 685  | ---  | ---  | ---  |
| 65      | --- | --- | --- | --- | --- | ---  | ---  | --- | --- | --- | 634 | 714  | 791  | 866  | 940  | 940  | 940  | 940  | 940  | ---  | ---  |
| 75      | --- | --- | --- | --- | --- | ---  | ---  | --- | --- | --- | 998 | 1125 | 1250 | 1370 | 1489 | 1604 | 1718 | 1830 | 1920 | 1920 | 1920 |

Faixa do furo d1/d2 e valores correspondentes de torque transmissível (Nm) do acoplamento.

**Exemplo de pedido: GWE 5104**

| Séries/Tamanho | Diâmetro do furo d <sub>1</sub> | Diâmetro do furo d <sub>2</sub> | Mais detalhes |
|----------------|---------------------------------|---------------------------------|---------------|
| GWE 5104-42    | 20                              | 25                              | *             |

\* Chaveta

Sujeito a alterações técnicas.