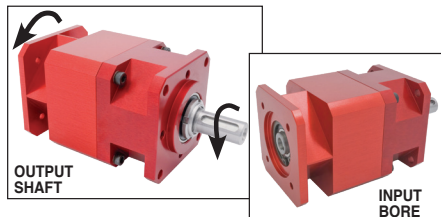


EHD04

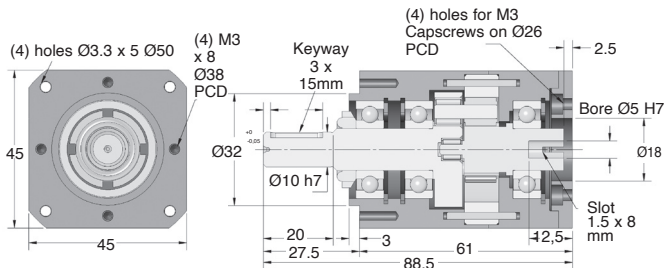
Torque up to 7Nm

- Ratios from 3:1 to 6:1
- Input is a slot pin drive
- Output backlash $\leq 15'$ (0,25°)
- Max. speed: 3,000 rpm
- Materials:
casing: anodised aluminium
input and output:
non-hardened steel
- Weight: 0.44kg



Options

- Can be modified to your specifications
- e.g. modified to suit your motor



OUTPUT TORQUE (In Nm, values given as a guide only)

| Ratios | 3:1 | 4:1 | 5:1 | 6:1 | |
|-------------|-----|-----|-----|-----|-----|
| 3000 | 83 | 76 | 70 | 61 | |
| 2000 | 90 | 82 | 76 | 66 | |
| 1000 | 102 | 95 | 87 | 76 | |
| SPEED (rpm) | 500 | 120 | 110 | 102 | 89 |
| | 200 | 135 | 126 | 116 | 101 |
| | 100 | 155 | 146 | 136 | 117 |
| | 50 | 210 | 196 | 180 | 158 |

Large transmissible torque

DISCOUNTS

| Qty | 1+ | 2+ | 4+ | 6+ |
|------------|------|------|----|------------|
| Disc. List | -15% | -20% | | On request |

| Part number | Ratio | Max. input speed (rpm) | Max. output speed (rpm) | Efficiency at 1000 rpm | Direction of input/output rotation | Price each |
|-------------|-------|------------------------|-------------------------|------------------------|------------------------------------|------------|
| EHD04-3 | 3:1 | 3000 | 1000 | 92% | Same | 955,04 € |
| EHD04-4 | 4:1 | 3000 | 750 | 92% | Same | 955,04 € |
| EHD04-5 | 5:1 | 3000 | 600 | 92% | Same | 955,04 € |
| EHD04-6 | 6:1 | 3000 | 500 | 92% | Same | 955,04 € |

Dimensions in mm



Internal epicyclic servo reducers

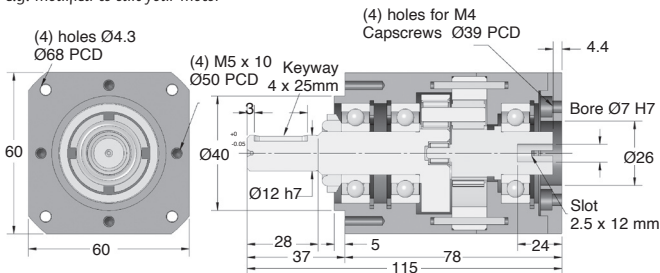
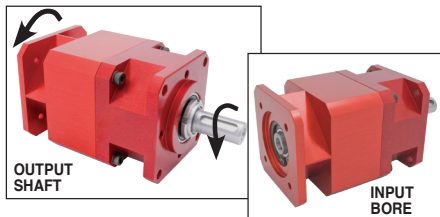
Torque up to 19Nm

EHD06

- Ratios from 3:1 to 6:1
- Input is a slot pin drive
- Output backlash $\leq 15'$ ($0,25^\circ$)
- Max. speed: 3,000 rpm
- Materials:
casing: anodised aluminium
gears: hardened steel
- Weight: 0.96kg

Options

- Can be modified to your specifications
- e.g. modified to suit your motor



Large transmissible torque

OUTPUT TORQUE (In Nm, values given as a guide only)

| Ratios | 3:1 | 4:1 | 5:1 | 6:1 |
|-------------------|------|-----|-----|-----|
| 3000 | 10 | 10 | 10 | 8 |
| 2000 | 12 | 12 | 12 | 10 |
| INPUT SPEED (rpm) | 1000 | 15 | 15 | 12 |
| 500 | 16 | 16 | 16 | 13 |
| 200 | 18 | 18 | 18 | 14 |
| 100 | 19 | 19 | 19 | 15 |
| 50 | 19 | 19 | 19 | 15 |

DISCOUNTS

| Qty | 1+ | 2+ | 4+ | 6+ |
|------------|------|------|----|------------|
| Disc. List | -15% | -20% | | On request |

| Part number | Ratio | Max. input speed (rpm) | Max. output speed (rpm) | Efficiency at 1000 rpm | Direction of input/output rotation | Price each |
|-------------|-------|------------------------|-------------------------|------------------------|------------------------------------|------------|
| EHD06-3 | 3:1 | 3000 | 1000 | 92% | Same | 1 064,09 € |
| EHD06-4 | 4:1 | 3000 | 750 | 92% | Same | 1 064,09 € |
| EHD06-5 | 5:1 | 3000 | 600 | 92% | Same | 1 064,09 € |
| EHD06-6 | 6:1 | 3000 | 500 | 92% | Same | 1 064,09 € |

Dimensions in mm

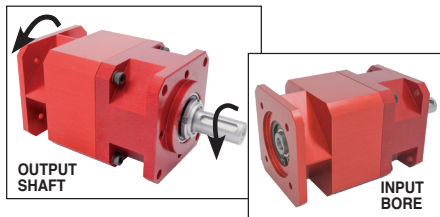
Internal epicyclic servo reducers



EHD08

Torque up to 50Nm

- Ratios from 3:1 to 6:1
- Output backlash $\leq 15'$ (0,25°)
- Max. speed: 3,000 rpm
- Materials:
casing: anodised aluminium
gears: hardened steel
- Weight: 1.4kg



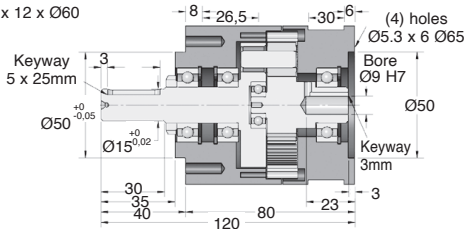
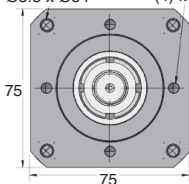
Options

- Can be modified to your specifications
- e.g. modified to suit your motor

(4) holes

$\varnothing 5.3 \times \varnothing 84$

(4) M6 x 12 x $\varnothing 60$



OUTPUT TORQUE (In Nm, values given as a guide only)

| Ratios | 3:1 | 4:1 | 5:1 | 6:1 |
|--------|-----|-----|-----|-----|
| 3000 | 25 | 25 | 25 | 20 |
| 2000 | 30 | 30 | 30 | 23 |
| 1000 | 35 | 35 | 35 | 28 |
| SPEED | 500 | 42 | 42 | 35 |
| (rpm) | 200 | 45 | 45 | 40 |
| 100 | 48 | 48 | 48 | 42 |
| 50 | 50 | 50 | 50 | 45 |

Large transmissible torque

DISCOUNTS

| Qty | 1+ | 2+ | 4+ | 6+ |
|-------|------|------|------|------------|
| Disc. | List | -15% | -20% | On request |

| Part number | Ratio | Max. input speed (rpm) | Max. output speed (rpm) | Efficiency at 1000 rpm | Direction of input/output rotation | Price each |
|-------------|-------|------------------------|-------------------------|------------------------|------------------------------------|------------|
| EHD08-3 | 3:1 | 3000 | 1000 | 92% | Same | 1 315,62 € |
| EHD08-4 | 4:1 | 3000 | 750 | 92% | Same | 1 315,62 € |
| EHD08-5 | 5:1 | 3000 | 600 | 92% | Same | 1 315,62 € |
| EHD08-6 | 6:1 | 3000 | 500 | 92% | Same | 1 315,62 € |

Dimensions in mm



Internal epicyclic servo reducers

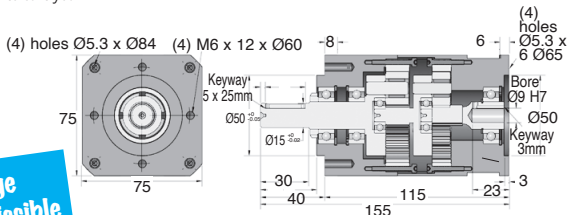
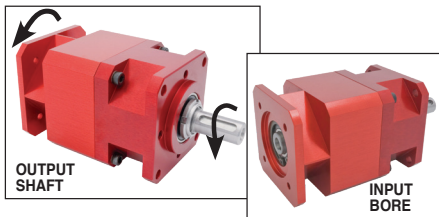
Torque up to 50Nm

EHD08

- Ratios from 9:1 to 36:1
- Output backlash $\leq 30'$ (0,5°)
- Max. speed: 3,000 rpm
- Materials:
casing: anodised aluminium
gears: hardened steel
- Weight: 2.1 kg

Options

- Can be modified to your specifications
- e.g. modified to suit your motor



Large transmissible torque

DISCOUNTS

| Qty | 1+ | 2+ | 4+ | 6+ |
|-------|------|------|------|------------|
| Disc. | List | -15% | -20% | On request |

OUTPUT TORQUE (In Nm, values given as a guide only)

| Ratios | 9:1 | 12:1 | 15:1 | 16:1 | 18:1 | 20:1 | 24:1 | 25:1 | 30:1 | 36:1 |
|--------|------|------|------|------|------|------|------|------|------|------|
| INPUT | 3000 | 35 | 35 | 35 | 38 | 42 | 42 | 42 | 42 | 36 |
| SPEED | 1000 | 43 | 43 | 43 | 45 | 46 | 46 | 46 | 46 | 41 |
| (rpm) | 500 | 45 | 45 | 45 | 48 | 48 | 48 | 48 | 48 | 42 |
| | 100 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 45 |
| | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 45 |

| Part number | Ratio | Max. input speed (rpm) | Max. output speed (rpm) | Efficiency at 1000 rpm | Direction of input/output rotation | Price each |
|-------------|-------|------------------------|-------------------------|------------------------|------------------------------------|------------|
| EHD08-9 | 9:1 | 3000 | 333 | 86% | Same | 1 975,01 € |
| EHD08-12 | 12:1 | 3000 | 250 | 86% | Same | 1 975,01 € |
| EHD08-15 | 15:1 | 3000 | 200 | 86% | Same | 1 975,01 € |
| EHD08-16 | 16:1 | 3000 | 187 | 86% | Same | 1 975,01 € |
| EHD08-18 | 18:1 | 3000 | 166 | 86% | Same | 1 975,01 € |
| EHD08-20 | 20:1 | 3000 | 150 | 86% | Same | 1 975,01 € |
| EHD08-24 | 24:1 | 3000 | 125 | 86% | Same | 1 975,01 € |
| EHD08-25 | 25:1 | 3000 | 120 | 86% | Same | 1 975,01 € |
| EHD08-30 | 30:1 | 3000 | 100 | 86% | Same | 1 975,01 € |
| EHD08-36 | 36:1 | 3000 | 83 | 86% | Same | 1 975,01 € |

Dimensions in mm

Internal epicyclic servo reducers

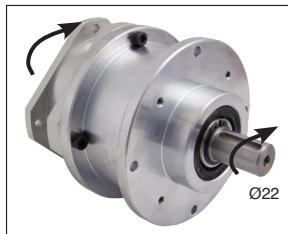
EHD12

Torque up to 140Nm

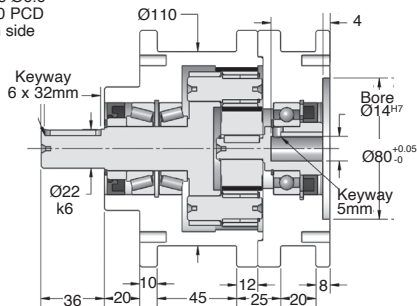
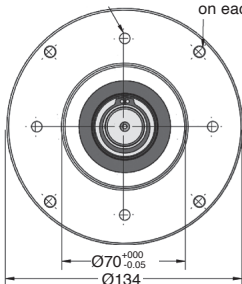
- Ratios from 3:1 to 6:1
- Output backlash $\leq 45'$ (0,25°)
- Max. speed: 3,000 rpm
- Materials:
casing: anodised aluminium
gears: hardened steel
- Weight: 9,25 kg

Options

- Can be modified to your specs
- e.g. modified to suit your motor



- (4) holes M6 x 15 on Ø100 PCD on each side
- (4) holes Ø6.6 on Ø120 PCD on each side



OUTPUT TORQUE (In Nm, values given as a guide only)

| Ratios | 3:1 | 4:1 | 5:1 | 6:1 |
|-------------|-----|-----|-----|-----|
| 3000 | 75 | 75 | 75 | 60 |
| 2000 | 90 | 90 | 90 | 75 |
| 1000 | 110 | 110 | 110 | 90 |
| SPEED (rpm) | 500 | 120 | 120 | 100 |
| | 200 | 130 | 130 | 110 |
| | 100 | 140 | 140 | 120 |
| | 50 | 140 | 140 | 120 |

Large transmissible torque

DISCOUNTS

| Qty | 1+ | 2+ | 4+ | 6+ |
|------------|------|------|----|------------|
| Disc. List | -15% | -20% | | On request |

| Part number | Ratio | Max. input speed (rpm) | Max. output speed (rpm) | Efficiency at 1000 rpm | Direction of input/output rotation | Price each |
|-------------|-------|------------------------|-------------------------|------------------------|------------------------------------|------------|
| EHD12-3 | 3:1 | 3000 | 1000 | 92% | Same | 2 360,94 € |
| EHD12-4 | 4:1 | 3000 | 750 | 92% | Same | 2 360,94 € |
| EHD12-5 | 5:1 | 3000 | 600 | 92% | Same | 2 360,94 € |
| EHD12-6 | 6:1 | 3000 | 500 | 92% | Same | 2 360,94 € |

Dimensions in mm



Internal epicyclic servo reducers

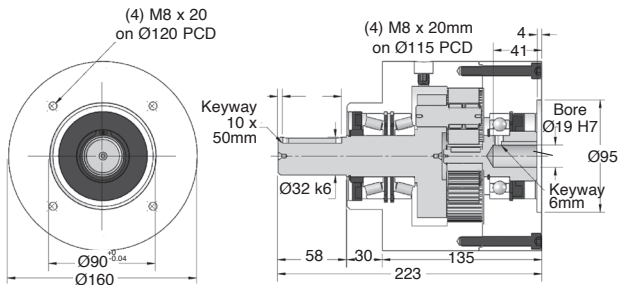
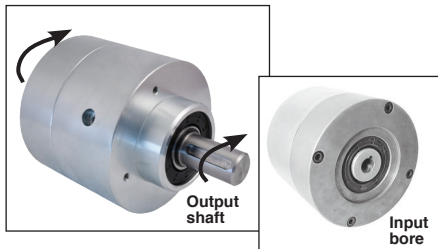
Torque up to 380Nm

EHD16

- Ratios from 3:1 to 6:1
- Output backlash $\leq 15'$ ($0,25^\circ$)
- Max. speed: 2,000 rpm
- Materials:
casing: anodised aluminium
gears: hardened steel
- Weight: 18.86 kg

Options

- Can be modified to your specs
- e.g. modified to suit your motor



OUTPUT TORQUE (In Nm, values given as a guide only)

| Ratios | 3:1 | 4:1 | 5:1 | 6:1 |
|--------|------|-----|-----|-----|
| INPUT | 2000 | 250 | 250 | 210 |
| SPEED | 1000 | 300 | 300 | 250 |
| (rpm) | 500 | 350 | 350 | 300 |
| | 200 | 350 | 350 | 300 |
| | 100 | 380 | 380 | 320 |
| | 50 | 380 | 380 | 320 |

Large transmissible torque

DISCOUNTS

| Qty | 1+ | 2+ | 4+ | 6+ |
|------------|----|------|------|------------|
| Disc. List | | -15% | -20% | On request |

| Part number | Ratio | Max. input speed (rpm) | Max. output speed (rpm) | Efficiency at 1000 rpm | Direction of input/output rotation | Price each |
|-------------|-------|------------------------|-------------------------|------------------------|------------------------------------|------------|
| EHD16-3 | 3:1 | 2000 | 666,66 | 92% | Same | 3 176,36 € |
| EHD16-4 | 4:1 | 2000 | 500,00 | 92% | Same | 3 176,36 € |
| EHD16-5 | 5:1 | 2000 | 400,00 | 92% | Same | 3 176,36 € |
| EHD16-6 | 6:1 | 2000 | 333,33 | 92% | Same | 3 176,36 € |

Dimensions in mm

Spur gear coaxial gearbox

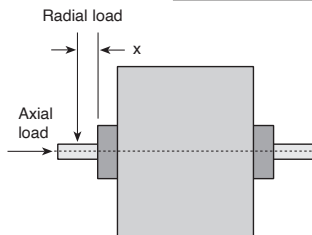
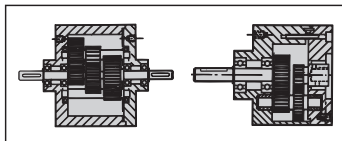
J,XJ,NT,NH,
JHD,XJHD

Technical information

- **Speed ratio: from 1:1 to 625:1**
- **Materials :**
 - Housing - anodised aluminium and black Delrin
 - Gears - stainless steel, steel
 - Case hardened steel depending on model
- **Max. speed: 3,000 to 4,000 rpm on input depending on model**
- **Lubrication: greased for life**
- **Guarantee: 13 months**
- **Cooling may be needed dependent on application**



J, XJ range



ADMISSIBLE LOADS

| Part number | Distance 'X' (mm) | Output | |
|-----------------|-------------------|-----------------|----------------|
| | | Radial load (N) | Axial load (N) |
| J & XJ51-52-53 | 6 | 10 | 10 |
| J & XJ64-65-66 | 6 | 20 | 20 |
| NT & NH61-62-63 | 10 | 120 | 100 |
| NT & NH91-92 | 15 | 200 | 150 |
| NH & NH121-122 | 20 | 250 | 200 |

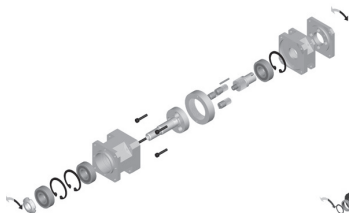
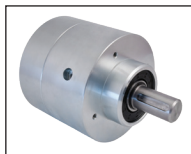
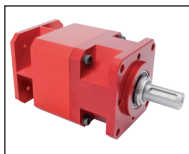
Data given based on input speed of 1,000 rpm.
Values given as an indication only.

Inline spur gearboxes

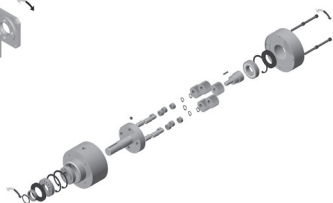
Technical information

EHD

- **Speed ratio: from 3:1 to 36:1**
- **Materials :**
housing anodised aluminium
gears in case hardened steel
- **Max. speed:** 2,000 to 4,000 rpm on
input depending on model
- **Backlash:** $\leq 15'$ ($0,25^\circ$) on output
- **Lubrication:** greased for life
(Shell Gadus S5V42P 2,5 grease)
- **Guarantee:** 13 months
- **Tolerances :**
 - Ground shafts h7, Ra 0.8
- **Lubrication temperature :**
max operating 60°C
- **Cooling may be needed dependent
on application**



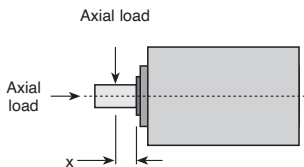
EHD 04, 06, 08, 12 range



EHD16 range

ADMISSIBLE LOADS

| Part number | Distance 'X' (mm) | Output | |
|-------------|-------------------------|-----------------------|----------------------|
| | | Radial load (N) | Axial load (N) |
| EHD04 | 10 | 200 | 150 |
| EHD06 | 10 | 250 | 150 |
| EHD08 | 12 | 300 | 200 |
| EHD12 | 20 | 600 | 600 |
| EHD16 | 30 | 1000 | 1000 |



Data given based on input speed of 1,000 rpm.
Values given as an indication only.