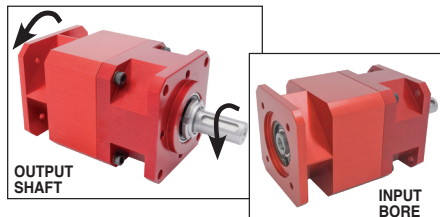


Internal epicyclic servo reducers **Size XS**

EHD04

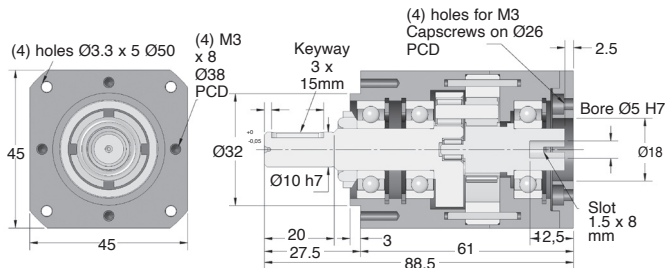
Torque up to 7Nm

- 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
	200	135	126	116
	100	155	146	136
	50	210	196	180

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

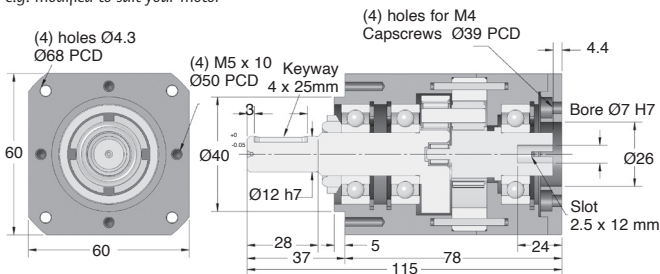
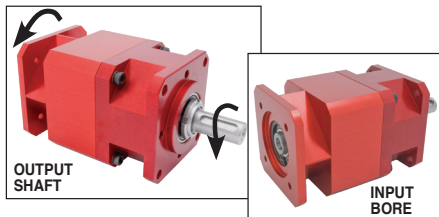
Torque up to 19Nm

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
1000	15	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%	-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



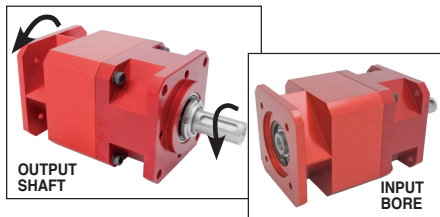
EHD08

Torque up to 50Nm

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

Options

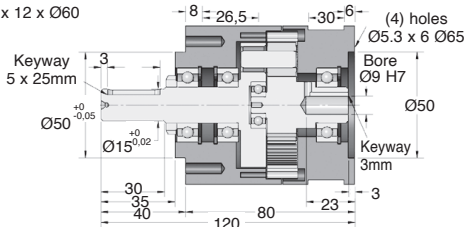
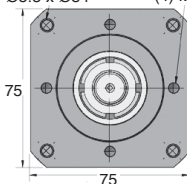
- Can be modified to your specifications
- e.g. modified to suit your motor



(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	42	35
(rpm)				
200	45	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



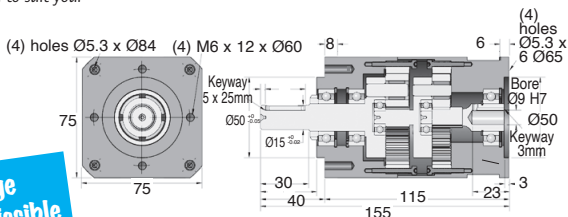
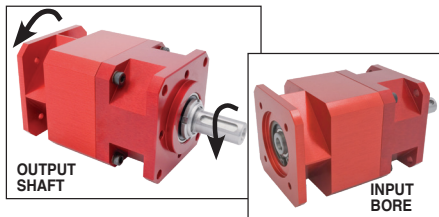
Torque up to 50Nm

EHD08

- Ratios from 9:1 to 36:1
- Output backlash $\leq 30'$ ($0,5^\circ$)
- 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%	-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 SPEED (rpm)	3000	35	35	35	38	42	42	42	42	36
500	43	43	43	45	46	46	46	46	46	41
100	45	45	45	48	48	48	48	48	48	42
50	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



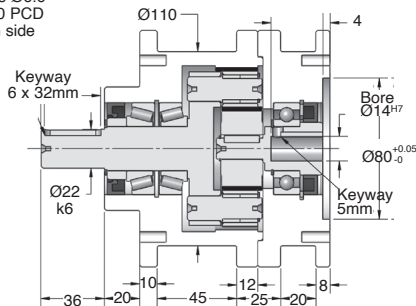
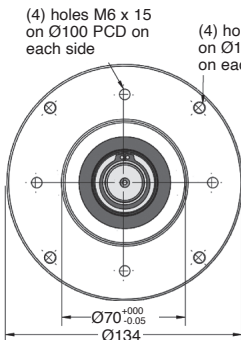
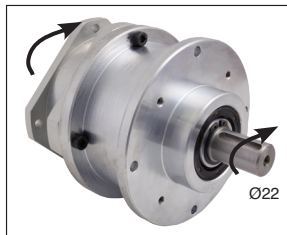
EHD12

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



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	120	100
200	130	130	130	110
100	140	140	140	120
50	140	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

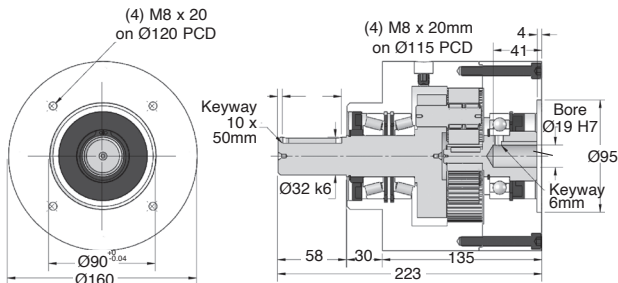
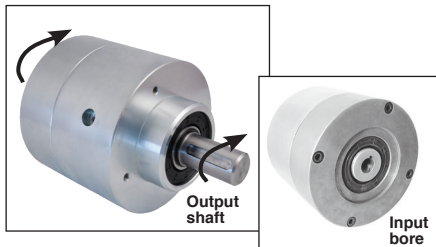
Torque up to 380Nm

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
2000	250	250	250	210
1000	300	300	300	250
500	350	350	350	300
200	350	350	350	300
100	380	380	380	320
50	380	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

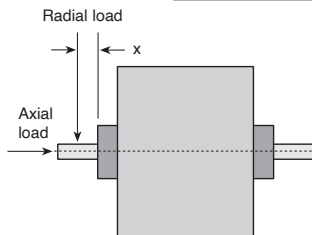
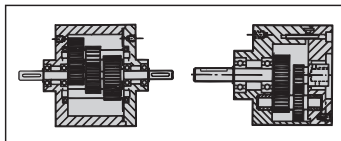
J,XJ,NT,NH,
JHD,XJHD

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

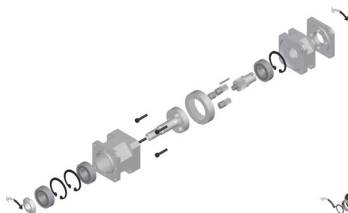
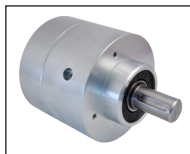
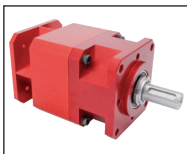


ADMISSIBLE LOADS

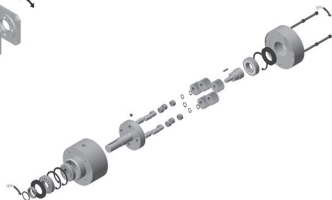
Part number	Distance 'X' (mm)	Output	
		Radial load (N)	Axial load (N)
J & XJ51-52-53	6	10	10
J & XJ64-65-66	6	20	20
NT & NH61-62-63	10	120	100
NT & NH91-92	15	200	150
NH & NH121-122	20	250	200

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

- **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



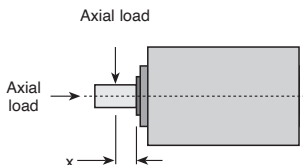
EHD 04, 06, 08, 12 range



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.