

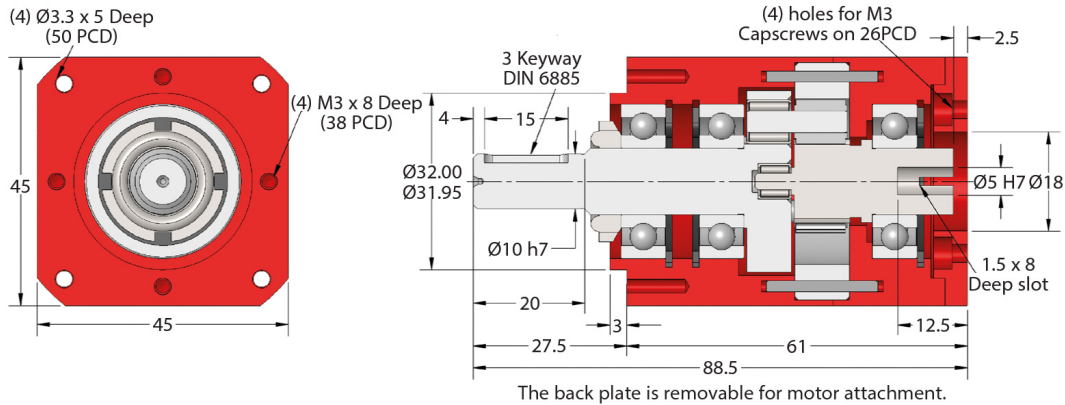
EHD04

GEARBOXES

EHD04

Internal Epicyclic Servo Reducers

5mm Bore Input, 10mm Shaft Output, 3.4 - 7Nm **3:1 - 6:1**



The back plate is removable for motor attachment.

Part Number	Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Direction
EHD04-3	3:1	90%	5.0	Same
EHD04-4	4:1	90%	5.0	Same
EHD04-5	5:1	90%	4.5	Same
EHD04-6	6:1	90%	4.5	Same

Weight: 0.44 kg.

Output Backlash: 30'.

Max. Input Speed: 3,000 Rpm.

Greased for Life: Shell Gadus S5 V42P 2.5.

Max. Overhung and Thrust Loads at 1000 Rpm:

Output Overhung Load (Fxa) = 20kg. Output Thrust Load (Fa) = 15kg.

Output Key: KK3-15.

Input Pin: SEP1.5-12, SAP1.5-12.

A pin needs to be fitted to the motor to drive the unit.

Other input drive options are available.

Testing in your application is necessary.

You will need to assess duty cycles and confirm gearbox suitability with your own calculations.

All figures listed are to be used for guidance only.

Output Torque Nm

RPM	Reduction Ratio			
Input	3:1	4:1	5:1	6:1
3000	3.6	3.6	3.4	3.4
2000	4.3	4.3	4.0	4.0
1000	5.0	5.0	4.5	4.5
500	5.5	5.5	5.0	5.0
200	6.0	6.0	5.5	5.5
100	6.5	6.5	6.0	6.0
50	7.0	7.0	6.5	6.5

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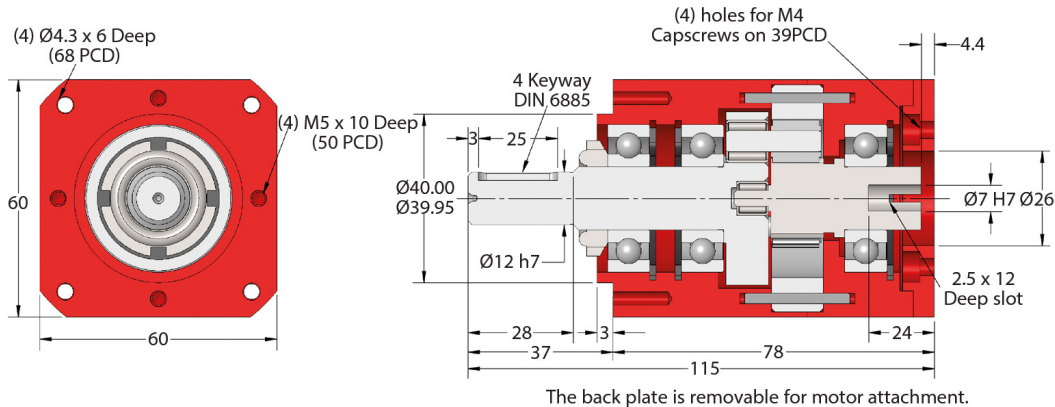
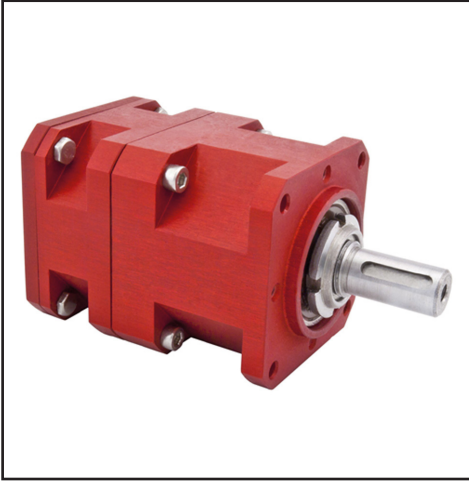
EHD06

GEARBOXES

EHD06

Internal Epicyclic Servo Reducers

7mm Bore Input, 12mm Shaft Output 8 - 19Nm **3:1 - 6:1**



The back plate is removable for motor attachment.

Part Number	Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Direction
EHD06-3	3:1	92%	15	Same
EHD06-4	4:1	92%	15	Same
EHD06-5	5:1	92%	15	Same
EHD06-6	6:1	92%	12	Same

Weight: 0.96 kg.

Output Backlash: 30'.

Max. Input Speed: 3,000 Rpm.

Greased for Life: Shell Gadus S5 V42P 2.5.

Max. Overhung and Thrust Loads at 1000 Rpm:

Output Overhung Load (Fxa) = 25kg. Output Thrust Load (Fa) = 15kg.

Output Key: KK4-25.

Input Pin: SEP2.5-16, SAP2.5-16.

A pin needs to be fitted to the motor to drive the unit.

Other input drive options are available.

Testing in your application is necessary.

You will need to assess duty cycles and confirm gearbox suitability with your own calculations.

All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio			
	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

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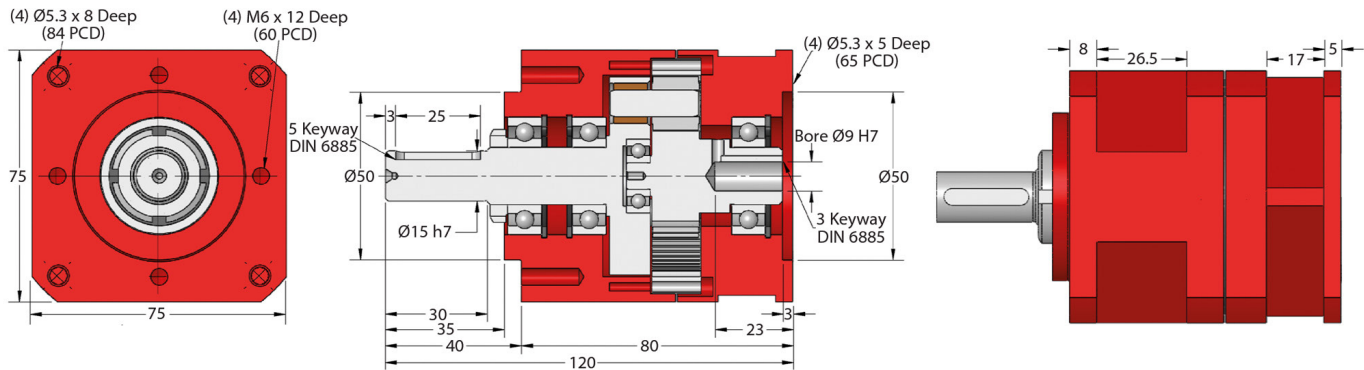
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EHD08

GEARBOXES

EHD08

Internal Epicyclic Servo Reducers

9mm Bore Input, 15mm Shaft Output 20Nm - 50Nm **3:1 - 6:1**

Part Number	Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Direction
EHD08-3	3:1	92%	35	Same
EHD08-4	4:1	92%	35	Same
EHD08-5	5:1	92%	35	Same
EHD08-6	6:1	92%	28	Same

Weight: 1.4kg.

Output Backlash: 30'.

Max. Input Speed: 3000 Rpm.

Greased for life: Shell Gadus S5 V42P 2.5.

Maximum Overhung and Thrust Loads at 1000rpm:

Output Overhung Load (Fxa) = 30kg. Output Thrust Load (Fa) = 20kg.

Output Key: KK5-25.

Input Key: KK3-20.

Input designed to fit Standard B14 Motor Fixing.

Shaft input option available.

Testing in your application is necessary.

You will need to assess duty cycles and confirm gearbox suitability with your own calculations.

All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio			
	3:1	4:1	5:1	6:1
3000	25	25	25	20
2000	30	30	30	23
1000	35	35	35	28
500	42	42	42	35
200	45	45	45	40
100	48	48	48	42
50	50	50	50	45

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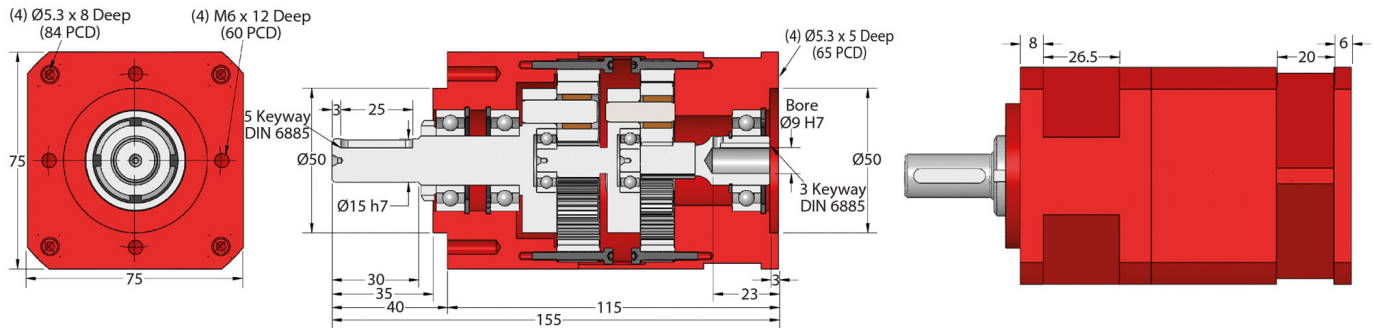
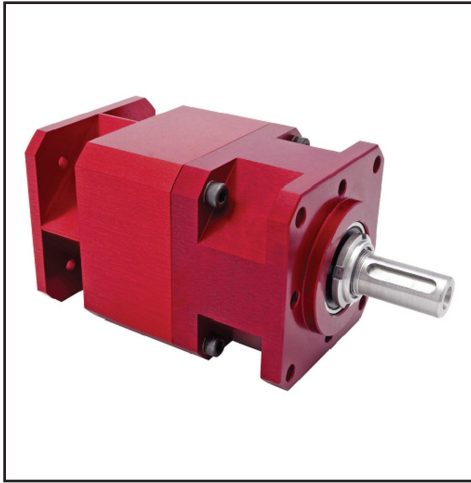
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EHD08

GEARBOXES

EHD08

Internal Epicyclic Servo Reducers

9mm Bore Input, 15mm Shaft Output 35Nm - 50Nm **9:1 - 36:1**

Part Number	Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Direction
EHD08-9	9:1	86%	43	Same
EHD08-12	12:1	86%	43	Same
EHD08-15	15:1	86%	43	Same
EHD08-16	16:1	86%	45	Same
EHD08-18	18:1	86%	46	Same
EHD08-20	20:1	86%	46	Same
EHD08-24	24:1	86%	46	Same
EHD08-25	25:1	86%	46	Same
EHD08-30	30:1	86%	46	Same
EHD08-36	36:1	86%	41	Same

Weight: 1.4kg.

Output Backlash: 30'.

Max. Input Speed: 3000 Rpm.

Greased for life: Shell Gadus S5 V42P 2.5.

Maximum Overhung and Thrust Loads at 1000rpm:

Output Overhung Load (Fxa) = 30kg.

Output Thrust Load (Fa) = 20kg.

Output Key: KK5-25.

Input Key: KK3-20.

Output Torque Nm

RPM Input	Reduction Ratio									
	9:1	12:1	15:1	16:1	18:1	20:1	24:1	25:1	30:1	36:1
3000	35	35	35	38	42	42	42	42	42	36
1000	43	43	43	45	46	46	46	46	46	41
500	45	45	45	48	48	48	48	48	48	42
100	50	50	50	50	50	50	50	50	50	45
50	50	50	50	50	50	50	50	50	50	45

Input designed to fit Standard B14 Motor Fixing. Shaft input option available.
 Testing in your application is necessary. You will need to assess duty cycles
 and confirm gearbox suitability with your own calculations.
 All figures listed are to be used for guidance only.

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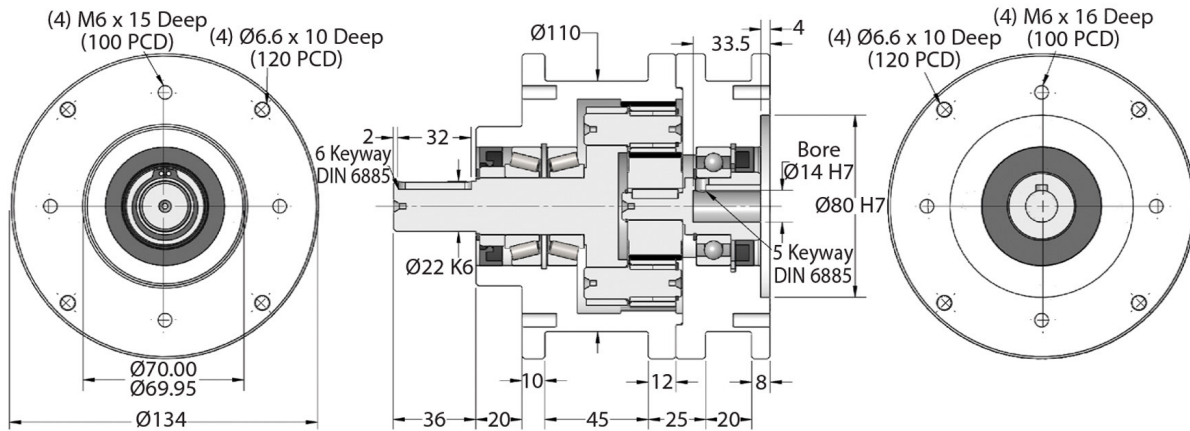
EHD12

GEARBOXES

EHD12

Internal Epicyclic Servo Reducers

14mm Bore Input, 22mm Shaft Output 60 - 140Nm **3:1 - 6:1**



Part Number	Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Direction
EHD12-3	3:1	92%	110	Same
EHD12-4	4:1	92%	110	Same
EHD12-5	5:1	92%	110	Same
EHD12-6	6:1	92%	90	Same

Weight: 9.25 kg. Output Backlash: 30'.

Max. Input Speed: 3,000 Rpm.

Greased for Life: Shell Gadus S5 V42P 2.5.

Max. Overhung and Thrust Loads at 1000rpm:

Output Overhung Load (Fxa) = 60 kg.

Output Thrust Load (Fa) = 60 kg.

Output Key: KK6-32.

Input Key: KK5-25.

Input designed to fit Standard B14 Motor Fixing.

Shaft input option available.

Testing in your application is necessary. You will need to assess duty cycles and confirm gearbox suitability with your own calculations.

All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio			
	3:1	4:1	5:1	6:1
3000	75	75	75	60
2000	90	90	90	75
1000	110	110	110	90
500	120	120	120	100
200	130	130	130	110
100	140	140	140	120
50	140	140	140	120

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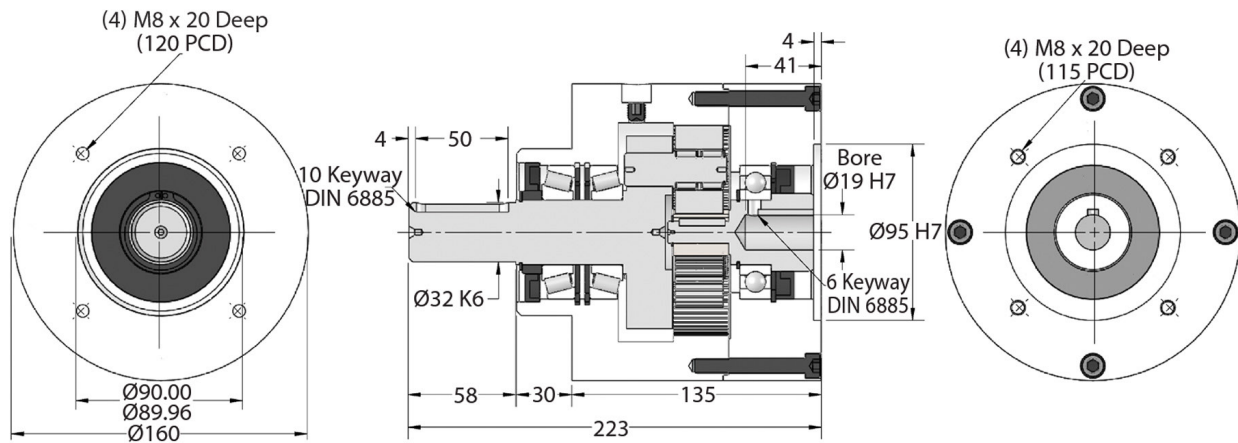
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EHD16

GEARBOXES

EHD16

Internal Epicyclic Servo Reducers

19mm Bore Input, 32mm Shaft Output, 210 - 380Nm **3:1 - 6:1**

Part Number	Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Direction
EHD16-3	3:1	92%	300	Same
EHD16-4	4:1	92%	300	Same
EHD16-5	5:1	92%	300	Same
EHD16-6	6:1	92%	250	Same

Weight: 18.86 kg. Output Backlash: ≈30'.

Max. Input Speed: 2,000 Rpm.

Greased for Life: Shell Gadus S5 V42P 2.5.

Max. Overhung and Thrust Loads at 1000 Rpm:

Output Overhung Load (Fxa) = 100 kg.

Output Thrust Load (Fa) = 100 kg.

Output Key: KK10-8-50.

Input Key: KK6-36.

Input designed to fit Standard B14 Motor Fixing.

Shaft input option available.

Testing in your application is necessary. You will need to assess duty cycles and confirm gearbox suitability with your own calculations.

All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio			
	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

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