

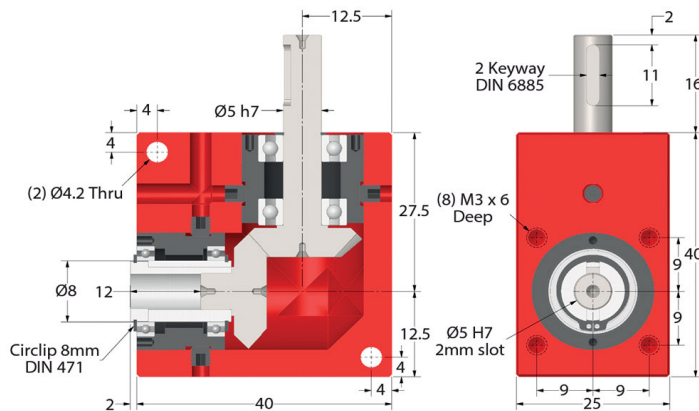
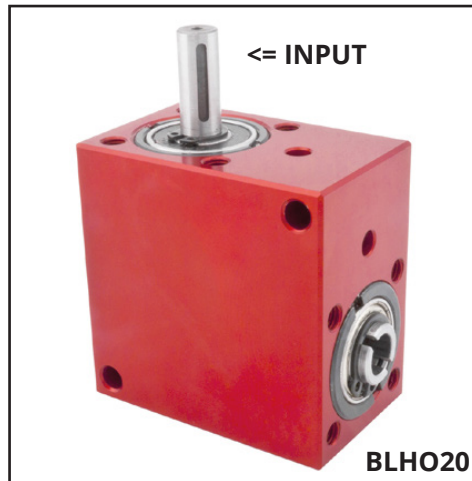
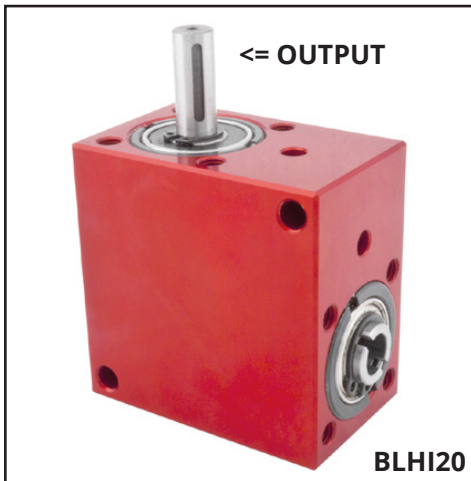
**BLHI20  
BLHO20  
BLHB20**

# GEARBOXES

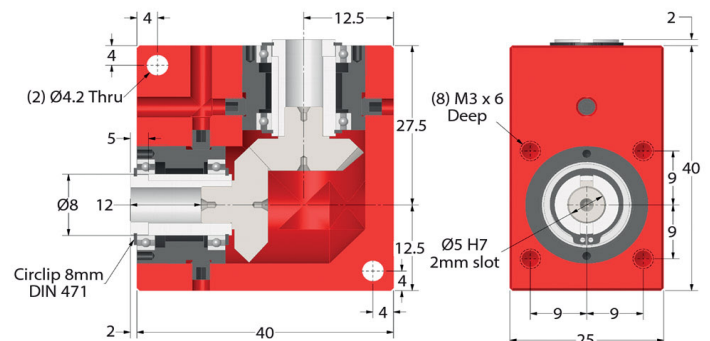
**BLHI20  
BLHO20  
BLHB20**

## Bevel Bore Heavy Duty Gearbox

Hardened Bevels - Bore Type 0.53 – 1.77 Nm **1:1 - 2:1**



BLHI20 (Bore Input) & BLHO20 (Bore Output) Type  
1:1 ratio BLHI20 only



BLHB20 Type (Bore Input & Bore Output)

Part Number			Shaft modifications also available	
Standard $\approx 1^\circ$	Low Backlash <30'	Red. Backlash <10'	Ratio	Efficiency at 1000 Rpm
<b>BLHI20-1</b>	<b>BLHI20-1A</b>	<b>BLHI20-1AR</b>	1:1	88%
<b>BLHI20-2</b>	<b>BLHI20-2A</b>	<b>BLHI20-2AR</b>	2:1	88%
<b>BLHB20-1</b>	<b>BLHB20-1A</b>	<b>BLHB20-1AR</b>	1:1	88%
<b>BLHB20-2</b>	<b>BLHB20-2A</b>	<b>BLHB20-2AR</b>	2:1	88%
<b>BLHO20-2</b>	<b>BLHO20-2A</b>	<b>BLHO20-2AR</b>	2:1	88%

Output Backlash:  $\approx 1^\circ$ .  
Max. Input Speed: 3000 Rpm.  
Greased for Life: Shell Gadus S2 V220AD 2.  
Shaft Key: KK2-10.  
Bores (pin driven): DH / DP, SEP / EP, SAP / SRP 2mm x 8 long.

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	
	1:1	2:1
<b>3000</b>	0.66	0.53
<b>2000</b>	0.72	0.58
<b>1750</b>	0.76	0.61
<b>1000</b>	0.88	0.70
<b>500</b>	1.00	0.80
<b>100</b>	1.35	1.08
<b>50</b>	1.48	1.18
<b>10</b>	1.77	1.41

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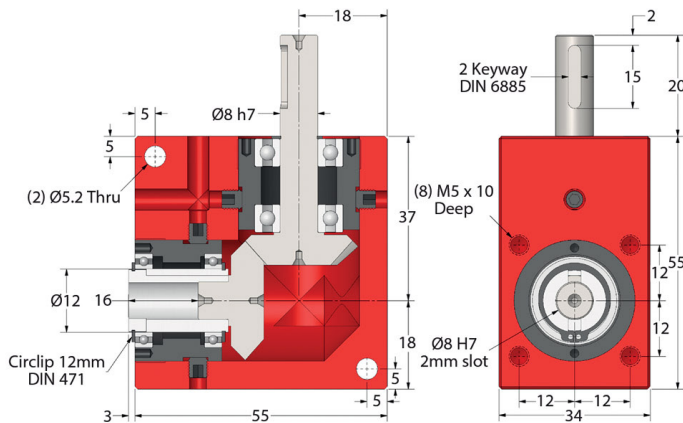
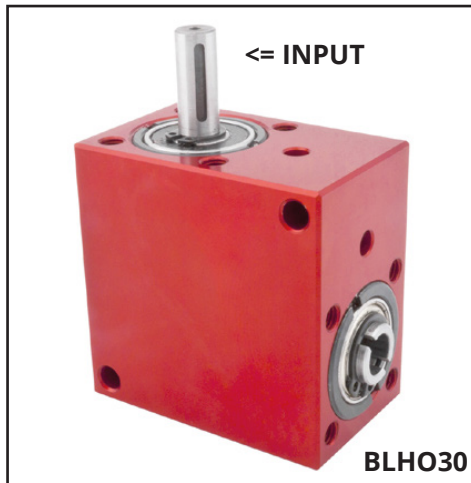
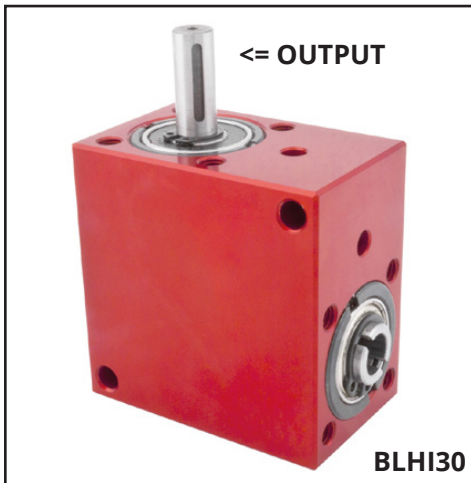
BLHI30  
BLHO30  
BLHB30

# GEARBOXES

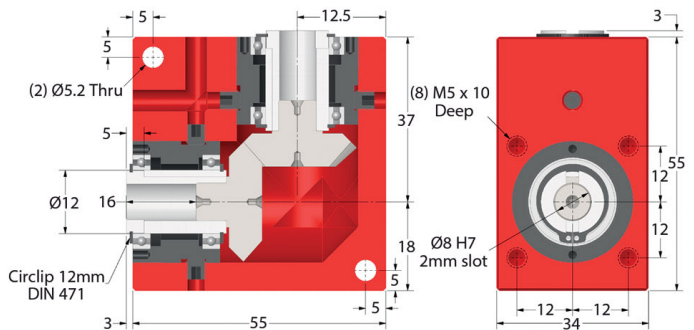
## Bevel Bore Heavy Duty Gearbox

Hardened Bevels - Bore Type 1.32 – 4.4 Nm **1:1 - 2:1**

BLHI30  
BLHO30  
BLHB30



BLHI30 (Bore Input) & BLHO30 (Bore Output) Type  
1:1 ratio BLHI30 only



BLHB30 Type (Bore Input & Bore Output)

Part Number			Shaft modifications also available	
Standard $\approx 1^\circ$	Low Backlash <30'	Red. Backlash <10'	Ratio	Efficiency at 1000 Rpm
BLHI30-1	BLHI30-1A	BLHI30-1AR	1:1	88%
BLHI30-2	BLHI30-2A	BLHI30-2AR	2:1	88%
BLHB30-1	BLHB30-1A	BLHB30-1AR	1:1	88%
BLHB30-2	BLHB30-2A	BLHB30-2AR	2:1	88%
BLHO30-2	BLHO30-2A	BLHO30-2AR	2:1	88%

Output Backlash:  $\approx 1^\circ$ .  
Max. Input Speed: 3,000 Rpm.  
Greased for Life: Shell Gadus S2 V220AD 2.  
Shaft Key: KK2-14.  
Bores (pin driven): DH / DP, SEP / EP, SAP / SRP 2mm x 12 long.

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	
	1:1	2:1
3000	1.65	1.32
2000	1.81	1.45
1750	1.91	1.53
1000	2.20	1.76
500	2.51	2.00
100	3.38	2.70
50	3.70	3.00
10	4.40	3.54

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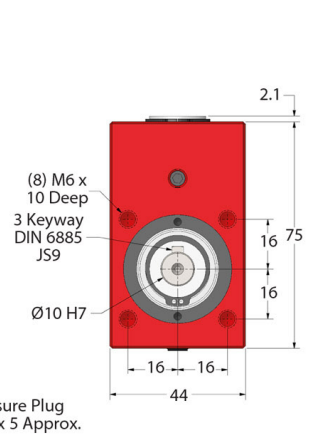
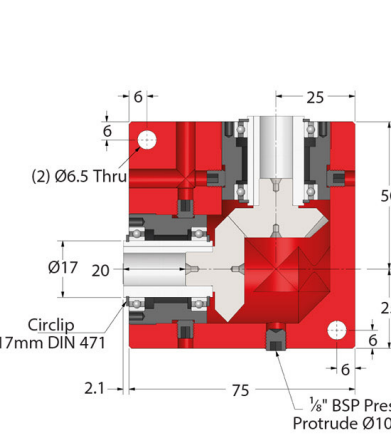
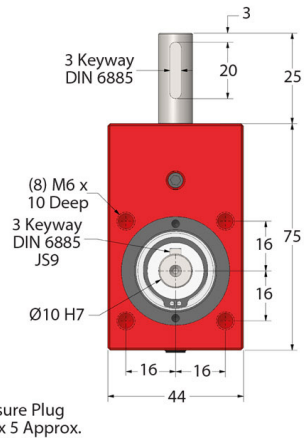
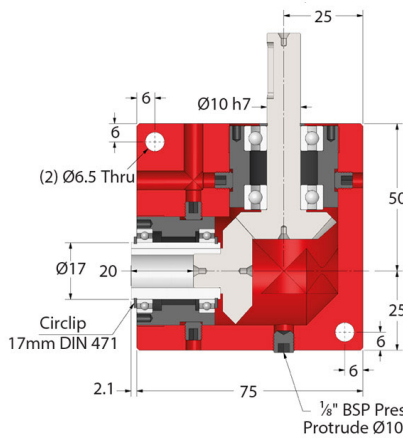
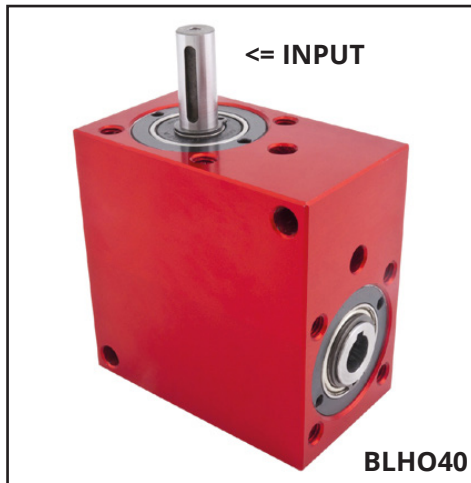
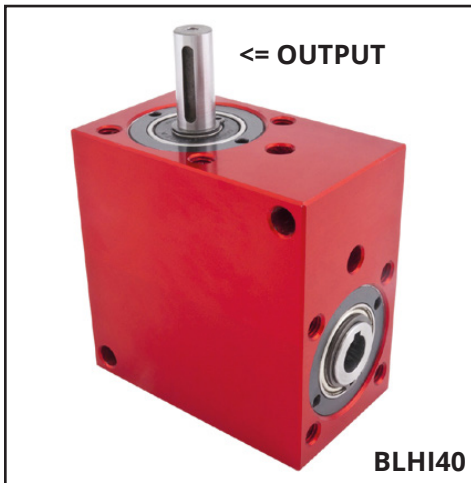
BLHI40  
BLHO40  
BLHB40

# GEARBOXES

## Bevel Bore Heavy Duty Gearbox

Hardened Bevels - Bore Type 3 – 10.3 Nm **1:1 - 2:1**

BLHI40  
BLHO40  
BLHB40



BLHI40 (Bore Input) & BLHO40 (Bore Output) Type  
1:1 ratio BLHI40 only

BLHB40 Type (Bore Input & Bore Output)

Part Number			Shaft modifications also available	
Standard $\approx 1^\circ$	Low Backlash <30'	Red. Backlash <10'	Ratio	Efficiency at 1000 Rpm
BLHI40-1	BLHI40-1A	BLHI40-1AR	1:1	88%
BLHI40-2	BLHI40-2A	BLHI40-2AR	2:1	88%
BLHB40-1	BLHB40-1A	BLHB40-1AR	1:1	88%
BLHB40-2	BLHB40-2A	BLHB40-2AR	2:1	88%
BLHO40-2	BLHO40-2A	BLHO40-2AR	2:1	88%

Output Backlash:  $\approx 1^\circ$   
 Max. Input Speed: 3,000 Rpm.  
 Greased for Life: Shell Gadus S2 V220AD 2.  
 Bore & Shaft Key: KK3-20.

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	
	1:1	2:1
3000	4.0	3.0
2000	4.4	3.4
1750	4.6	3.6
1000	5.1	4.0
500	5.8	4.6
100	7.6	6.0
50	8.5	6.3
10	10.3	8.0

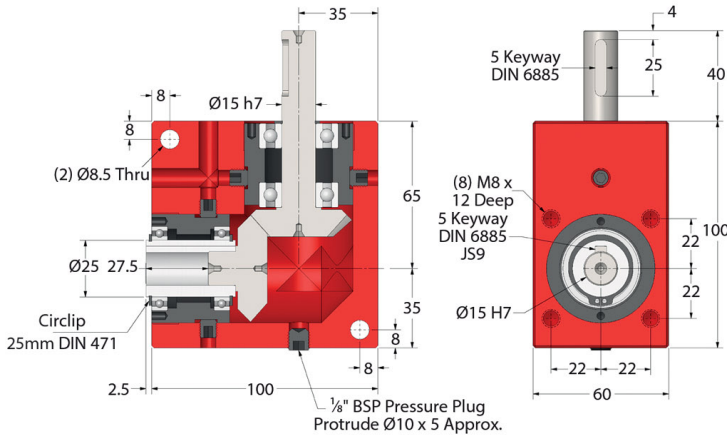
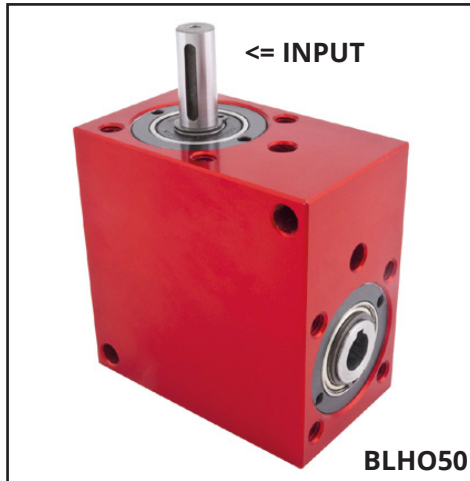
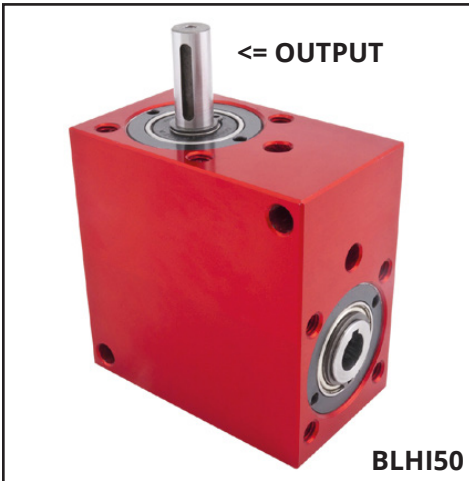
BLHI50  
BLHO50  
BLHB50

# GEARBOXES

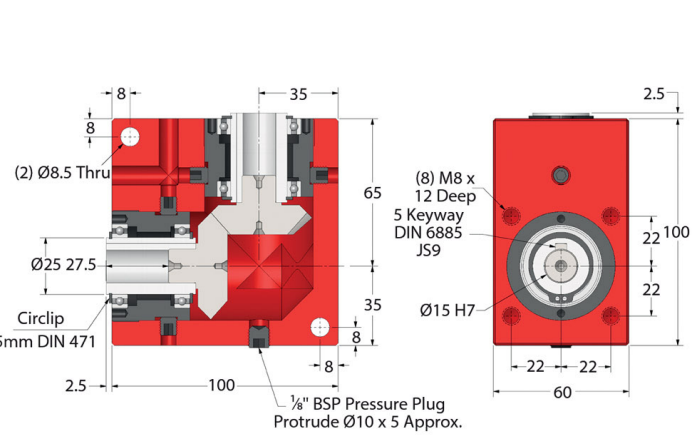
BLHI50  
BLHO50  
BLHB50

## Bevel Bore Heavy Duty Gearbox

Hardened Bevels - Bore Type 7.7 – 30 Nm **1:1 - 2:1**



BLHI50 (Bore Input) & BLHO50 (Bore Output) Type  
1:1 ratio BLHI50 only



BLHB50 Type (Bore Input & Bore Output)

Part Number			Shaft modifications also available	
Standard $\approx 1^\circ$	Low Backlash <30'	Red. Backlash <10'	Ratio	Efficiency at 1000 Rpm
BLHI50-1	BLHI50-1A	BLHI50-1AR	1:1	88%
BLHI50-2	BLHI50-2A	BLHI50-2AR	2:1	88%
BLHB50-1	BLHB50-1A	BLHB50-1AR	1:1	88%
BLHB50-2	BLHB50-2A	BLHB50-2AR	2:1	88%
BLHO50-2	BLHO50-2A	BLHO50-2AR	2:1	88%

Output Backlash:  $\approx 1^\circ$ .  
Max. Input Speed: 3,000 Rpm.  
Greased for Life: Shell Gadus S2 V220AD 2.  
Bore & Shaft Key: KK5-25.

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	
	1:1	2:1
3000	11.5	7.7
2000	13.2	8.7
1750	13.9	9.1
1000	15.9	10.2
500	17.5	11.6
100	23.0	15.0
50	25.0	17.0
10	30.0	20.0

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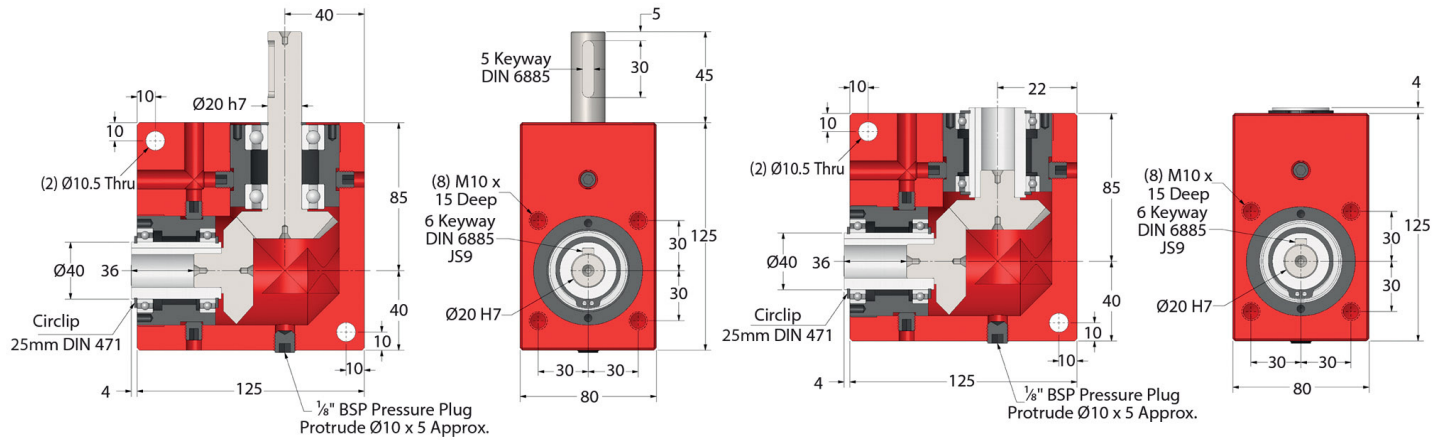
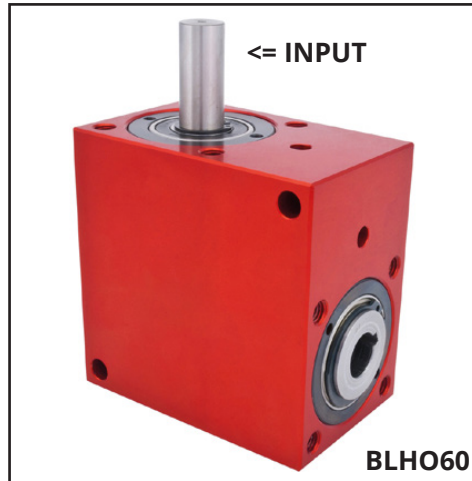
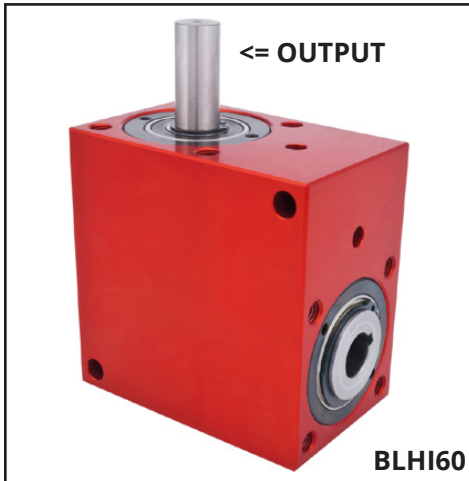
**BLHI60  
BLHO60  
BLHB60**

# GEARBOXES

## Bevel Bore Heavy Duty Gearbox

Hardened Bevels - Bore Type 19 - 70 Nm **1:1 - 2:1**

**BLHI60  
BLHO60  
BLHB60**



**BLHI60 (Bore Input) & BLHO60 (Bore Output) Type**  
1:1 ratio BLHI60 only

**BLHB60 Type (Bore Input & Bore Output)**

Part Number			Shaft modifications also available	
Standard $\approx 1^\circ$	Low Backlash $< 30'$	Red. Backlash $< 10'$	Ratio	Efficiency at 1000 Rpm
<b>BLHI60-1</b>	<b>BLHI60-1A</b>	<b>BLHI60-1AR</b>	1:1	88%
<b>BLHI60-2</b>	<b>BLHI60-2A</b>	<b>BLHI60-2AR</b>	2:1	88%
<b>BLHB60-1</b>	<b>BLHB60-1A</b>	<b>BLHB60-1AR</b>	1:1	88%
<b>BLHB60-2</b>	<b>BLHB60-2A</b>	<b>BLHB60-2AR</b>	2:1	88%
<b>BLHO60-2</b>	<b>BLHO60-2A</b>	<b>BLHO60-2AR</b>	2:1	88%

Output Backlash:  $\approx 1^\circ$ .  
Max. Input Speed: 3,000 Rpm.  
Greased for Life: Shell Gadus S2 V220AD 2.  
Bore & Shaft Key: KK5-30.

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	
	1:1	2:1
<b>3000</b>	26.0	19.0
<b>2000</b>	30.0	22.0
<b>1750</b>	31.3	22.8
<b>1000</b>	35.0	25.0
<b>500</b>	40.0	29.0
<b>100</b>	53.0	38.0
<b>50</b>	57.0	43.0
<b>10</b>	70.0	52.0