

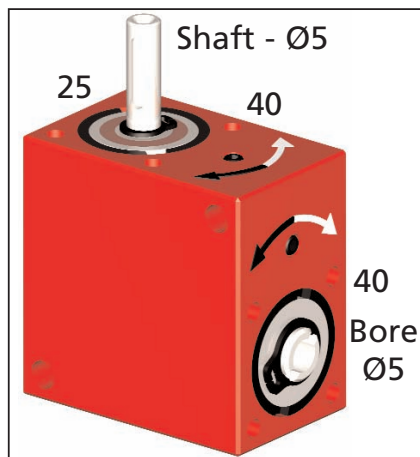
BLHI20
BLHO20
BLHB20

CAD
Drawings
Available

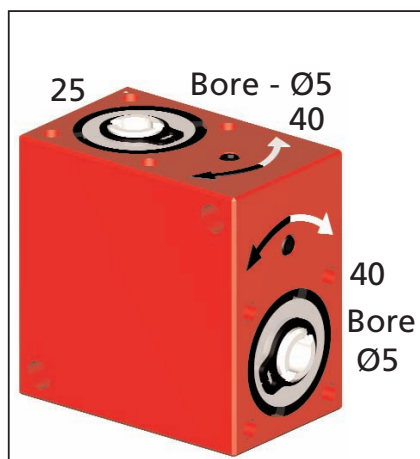
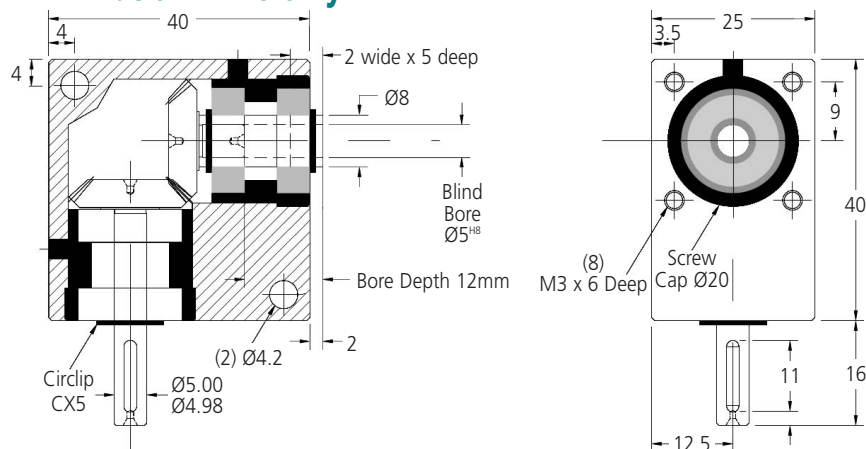
GEARBOXES

NEW Bevel Bore Gearbox

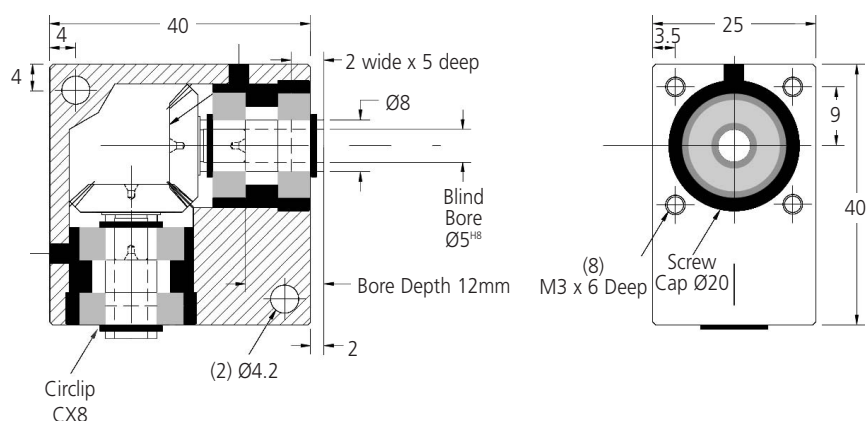
Heavy Duty - Hardened Bevels - Bore Type **1:1 - 2:1**



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



BLHB20 Type (Bore Input & Bore Output)



Part Number	Ratio	Efficiency at 1000 Rpm	Max. Input Speed	Max. Output Speed	Module
BLHI20-1	1:1	88%	4000	4000	0.6
BLHO20-1 or BLHI20-2	2:1	88%	4000	2000	0.6
BLHB20-1	1:1	88%	4000	4000	0.6
BLHB20-2	2:1	88%	4000	2000	0.6

Material

Case: Aluminium. **Shaft Bevel:** 655M13 (14NiCr14) Hardened Steel.
Bearings: Steel (ZZ or 2RS Seals). **Fasteners:** Steel (non-plated).
Threaded Bearing Screwcaps: Mild Steel (chemically blackened)

Performance

Output Backlash: ≈1°.
Max Input Speed: 4000 Rpm.
Greased for life: Shell Alvania Grease HDX2.

Extras

Shaft Key: KK2-10
Bores (pin driven): DH / DP, SEP / EP, SAP / SRP 2mm x 8 long.

Testing in your applications is necessary. You will need to assess duty, cycles and confirm gearbox suitability with your own calculations. Torque figures are to be used for guidance only.

Nm output torque:

Ratio	1:1	2:1
Rpm Input:		
3000	0.66	0.53
2000	0.72	0.58
1000	0.88	0.70
500	1.00	0.80
100	1.35	1.08
50	1.48	1.18
10	1.77	1.41

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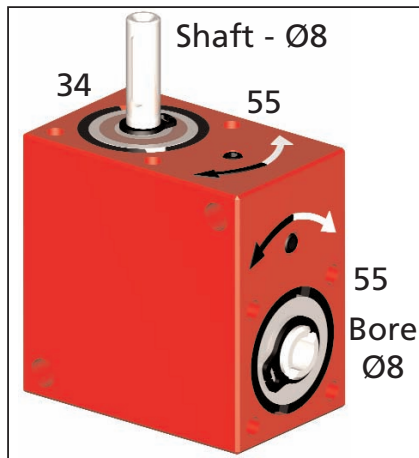
GEARBOXES

NEW Bevel Bore Gearbox

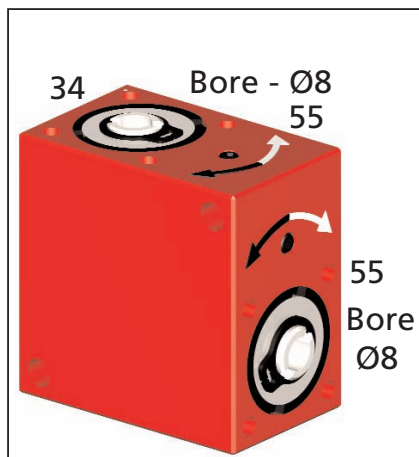
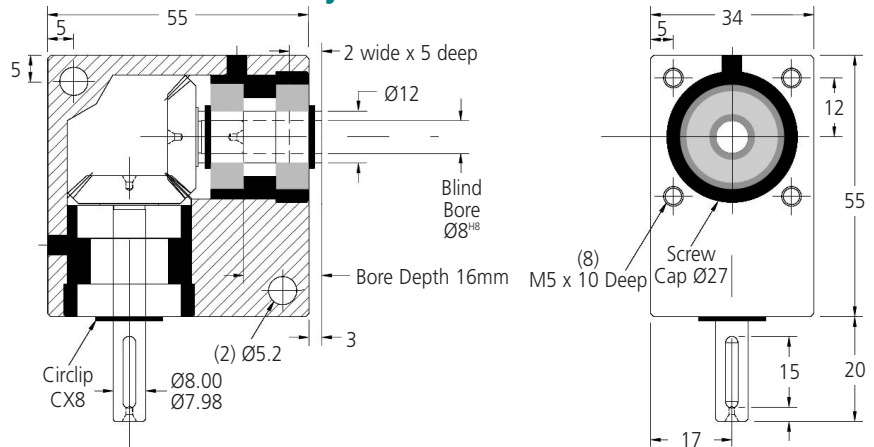
Heavy Duty - Hardened Bevels - Bore Type **1:1 - 2:1**

CAD
Drawings
Available

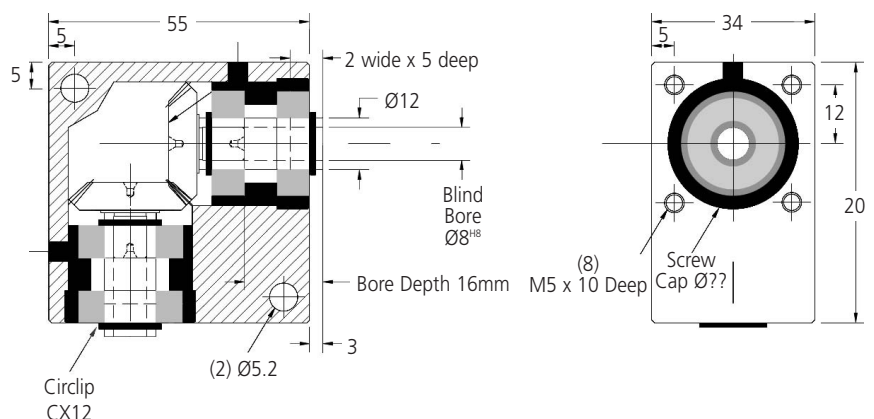
BLHI30
BLHO30
BLHB30



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



BLHB30 Type (Bore Input & Bore Output)



Part Number	Ratio	Efficiency at 1000 Rpm	Max. Input Speed	Max. Output Speed	Module
BLHI30-1	1:1	88%	4000	4000	0.8
BLHO30-1 or BLHI30-2	2:1	88%	4000	2000	0.8

Material

Case: Aluminium. **Shaft Bevel:** 655M13 (14NiCr14) Hardened Steel.
Bearings: Steel (ZZ or 2RS Seals). **Fasteners:** Steel (non-plated).
Threaded Bearing Screwcaps: Mild Steel (chemically blackened)

Performance

Output Backlash: $\approx 1^\circ$.
Max Input Speed: 4000 Rpm.
Greased for life: Shell Alvania Grease HDX2.

Extras

Shaft Key: KK2-14
Bores (pin driven): DH / DP, SEP / EP, SAP / SRP 2mm x 12 long.

Testing in your applications is necessary. You will need to assess duty, cycles and confirm gearbox suitability with your own calculations. Torque figures are to be used for guidance only.

Nm output torque:

Ratio	1:1	2:1
Rpm Input:		
3000	1.65	1.32
2000	1.81	1.45
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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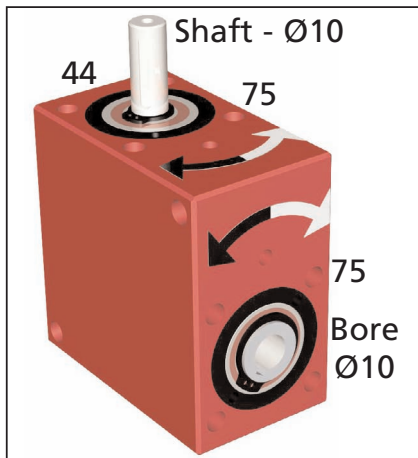
BLHI40
BLHO40
BLHB40

CAD
Drawings
Available

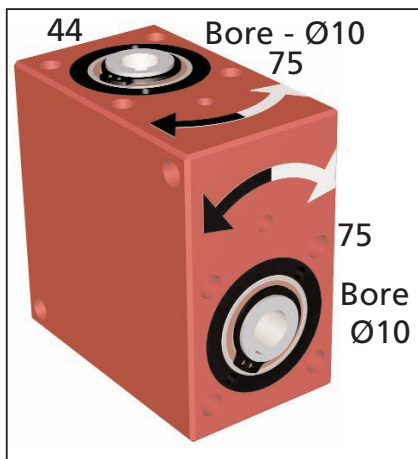
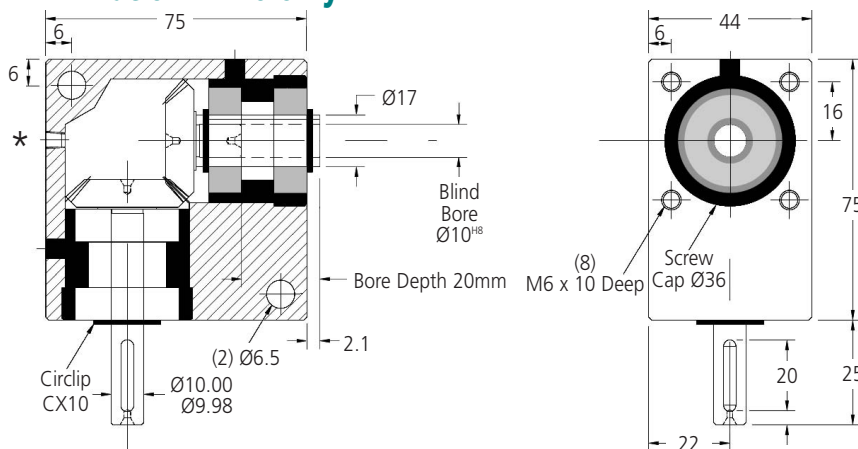
GEARBOXES

NEW Bevel Bore Gearbox

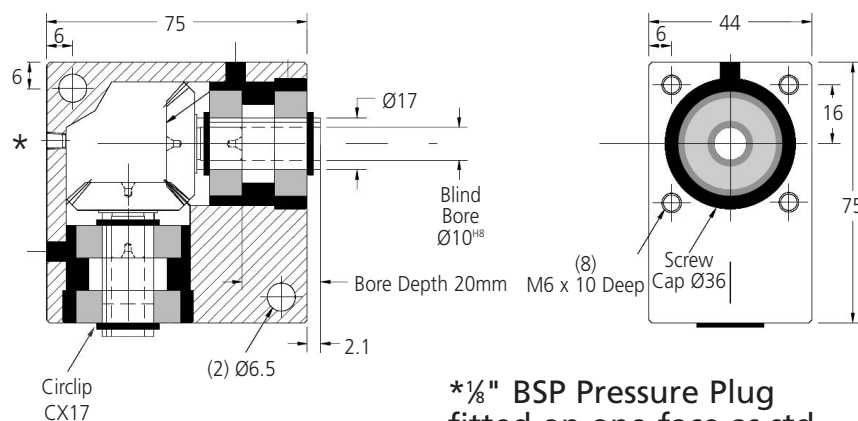
Heavy Duty - Hardened Bevels - Bore Type **1:1 - 2:1**



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



BLHB40 Type (Bore Input & Bore Output)



*1/8" BSP Pressure Plug fitted on one face as std. Will protrude Ø10 x 5 high (approx). Actual height may vary.

Part Number	Ratio	Efficiency at 1000 Rpm	Max. Input Speed	Max. Output Speed	Module
BLHI40-1	1:1	88%	4000	4000	1
BLHO40-1 or BLHI40-2	2:1	88%	4000	2000	1

Material

Case: Aluminium. **Shaft Bevel:** 655M13 (14NiCr14) Hardened Steel.
Bearings: Steel (ZZ or 2RS Seals). **Fasteners:** Steel (non-plated).
Threaded Bearing Screwcaps: Mild Steel (chemically blackened)

Performance

Output Backlash: ≈1°.
Max Input Speed: 4000 Rpm.
Greased for life: Shell Alvania Grease HDX2.

Extras

Bore & Shaft Key: KK3-20

Testing in your applications is necessary. You will need to assess duty, cycles and confirm gearbox suitability with your own calculations. Torque figures are to be used for guidance only.

Nm output torque:

Ratio	1:1	2:1
Rpm Input:		
3000	4.00	3.00
2000	4.40	3.40
1000	5.10	4.00
500	5.80	4.60
100	7.60	6.00
50	8.50	6.30
10	10.30	8.00

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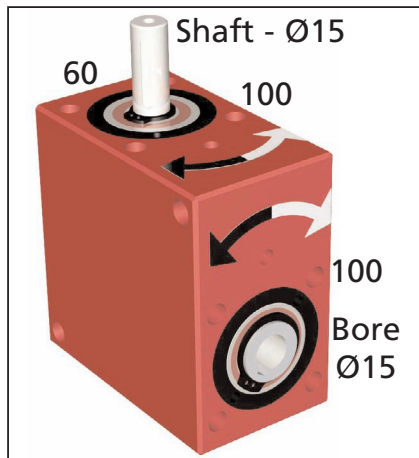
GEARBOXES

NEW Bevel Bore Gearbox

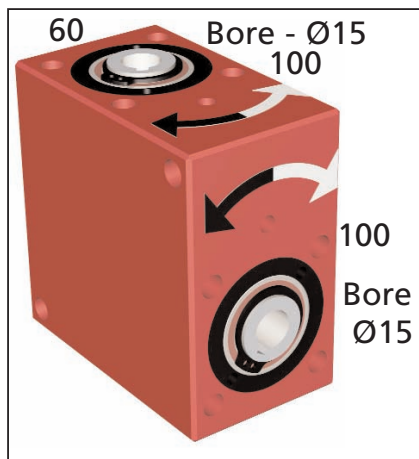
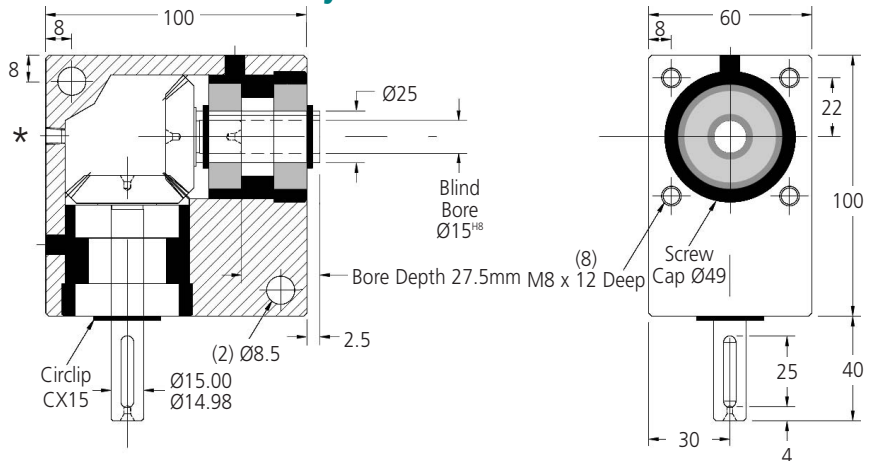
Heavy Duty - Hardened Bevels - Bore Type **1:1 - 2:1**

CAD
Drawings
Available

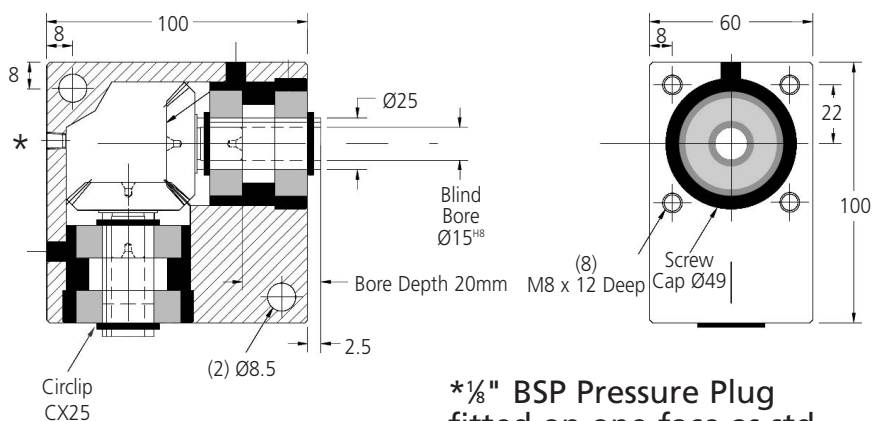
BLHI50
BLHO50
BLHB50



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



BLHB50 Type (Bore Input & Bore Output)



* $\frac{1}{8}$ " BSP Pressure Plug fitted on one face as std. Will protrude $\text{Ø}10 \times 5$ high (approx). Actual height may vary.

Part Number	Ratio	Efficiency at 1000 Rpm	Max. Input Speed	Max. Output Speed	Module
BLHI50-1 BLHB50-1	1:1	88%	3000	3000	1.5
BLHO50-1 or BLHI50-2 BLHB50-2	2:1	88%	3000	1500	1.5

Material

Case: Aluminium. Shaft Bevel: 655M13 (14NiCr14) Hardened Steel.
Bearings: Steel (ZZ or 2RS Seals). Fasteners: Steel (non-plated).
Threaded Bearing Screwcaps: Mild Steel (chemically blackened)

Performance

Output Backlash: $\approx 1^\circ$.
Max Input Speed: 3000 Rpm.
Greased for life: Shell Alvania Grease HDX2.

Extras

Bore & Shaft Key: KK5-25

Testing in your applications is necessary. You will need to assess duty, cycles and confirm gearbox suitability with your own calculations. Torque figures are to be used for guidance only.

Nm output torque:

Ratio	1:1	2:1
Rpm Input:		
3000	11.50	7.70
2000	13.20	8.70
1000	15.90	10.20
500	17.50	11.60
100	23.00	15.00
50	25.00	17.00
10	30.00	20.00



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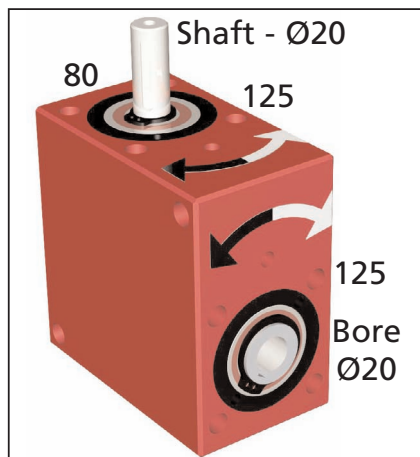
BLHI60
BLHO60
BLHB60

CAD
Drawings
Available

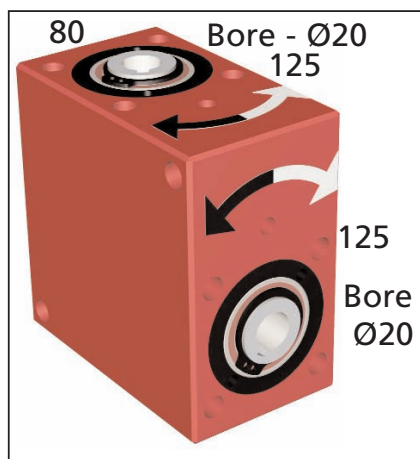
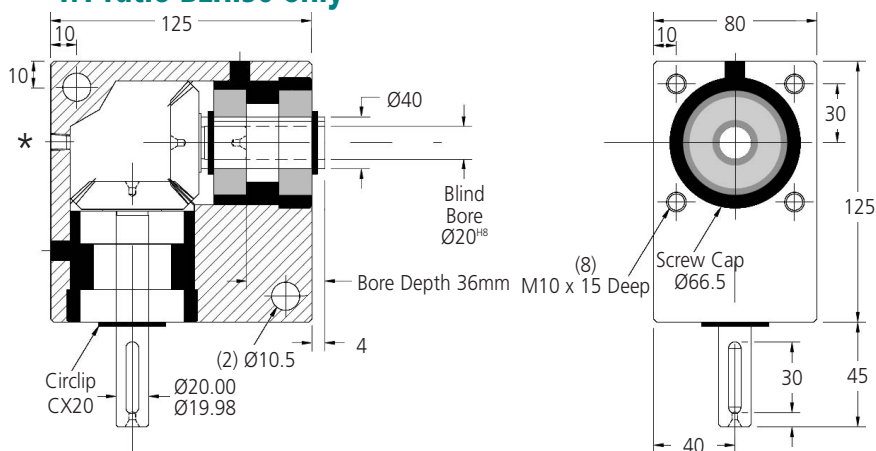
GEARBOXES

NEW Bevel Bore Gearbox

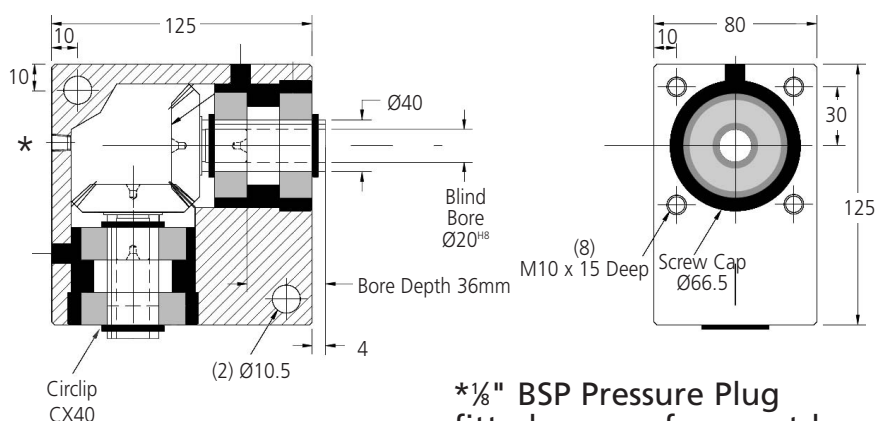
Heavy Duty - Hardened Bevels - Bore Type **1:1 - 2:1**



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



BLHB50 Type (Bore Input & Bore Output)



* $\frac{1}{8}$ " BSP Pressure Plug fitted on one face as std. Will protrude $\varnothing 10 \times 5$ high (approx). Actual height may vary.

Part Number	Ratio	Efficiency at 1000 Rpm	Max. Input Speed	Max. Output Speed	Module
BLHI60-1	1:1	88%	3000	3000	2
BLHO60-1 or BLHI60-2	2:1	88%	3000	1500	2

Material

Case: Aluminium. Shaft Bevel: 655M13 (14NiCr14) Hardened Steel.
Bearings: Steel (ZZ or 2RS Seals). Fasteners: Steel (non-plated).
Threaded Bearing Screwcaps: Mild Steel (chemically blackened)

Performance

Output Backlash: $\approx 1^\circ$.
Max Input Speed: 3000 Rpm.
Greased for life: Shell Alvania Grease HDX2.

Extras

Bore & Shaft Key: KK6-30

Testing in your applications is necessary. You will need to assess duty, cycles and confirm gearbox suitability with your own calculations. Torque figures are to be used for guidance only.

Nm output torque:

Ratio	1:1	2:1
Rpm Input:		
3000	26.00	19.00
2000	30.00	22.00
1000	35.00	25.00
500	40.00	29.00
100	53.00	38.00
50	57.00	43.00
10	70.00	52.00

