

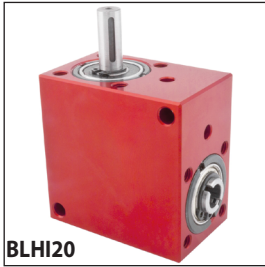
GEARBOXES

Bevel Bore Heavy Duty Gearbox

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

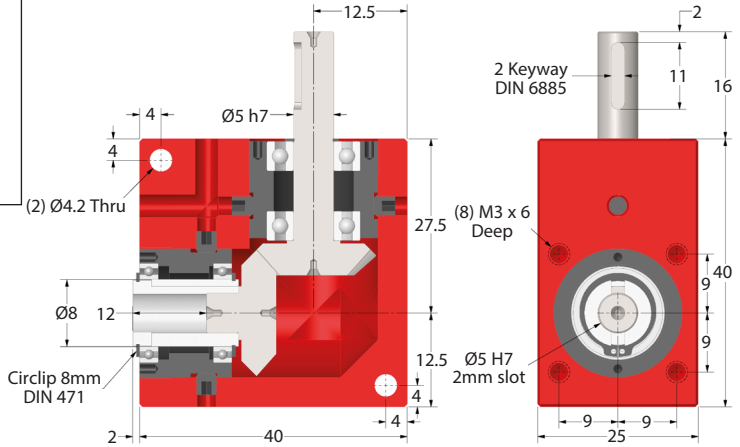
e-cad
Drawings
Available

BLHI20
BLHO20
BLHB20



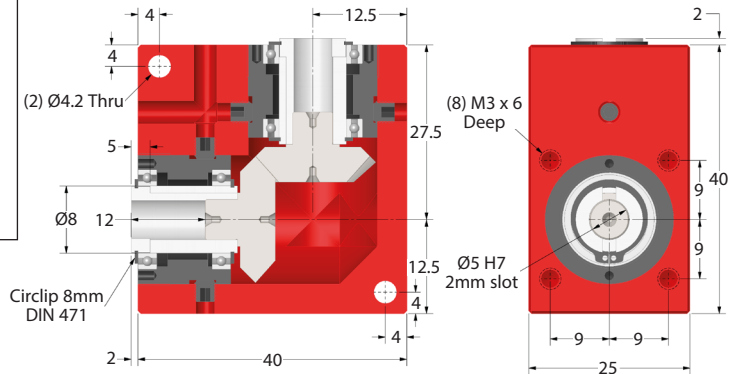
BLHI20

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



BLHB20

BLHB20 Type (Bore Input & Bore Output)



Part Number	Ratio	Efficiency at 1000 Rpm
BLHI20-1 BLHB20-1	1:1	88%
BLHO20-2 or BLHI20-2 BLHB20-2	2:1	88%

Output Backlash: ≈1°
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
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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BLHI30
BLHO30
BLHB30

e-cad
Drawings
Available

GEARBOXES

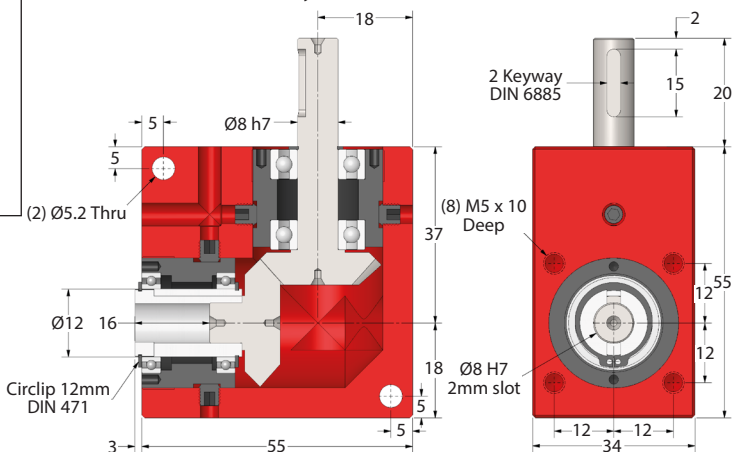
Bevel Bore Heavy Duty Gearbox

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

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



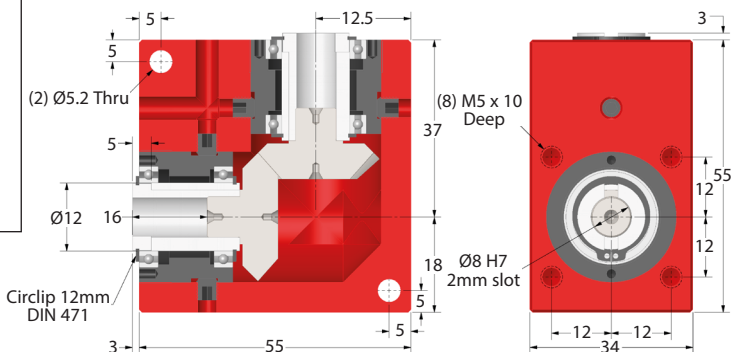
BLHI30



BLHB30 Type (Bore Input & Bore Output)



BLHB30



Part Number	Ratio	Efficiency at 1000 Rpm
BLHI30-1 BLHB30-1	1:1	88%
BLHO30-2 or BLHI30-2 BLHB30-2	2:1	88%

Output Backlash: =1°.
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
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

GEARBOXES

Bevel Bore Heavy Duty Gearbox

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

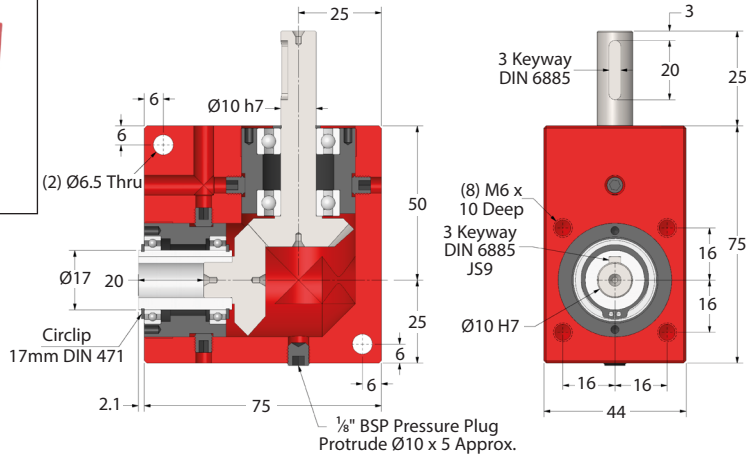
e-cad
Drawings
Available

BLHI40
BLHO40
BLHB40



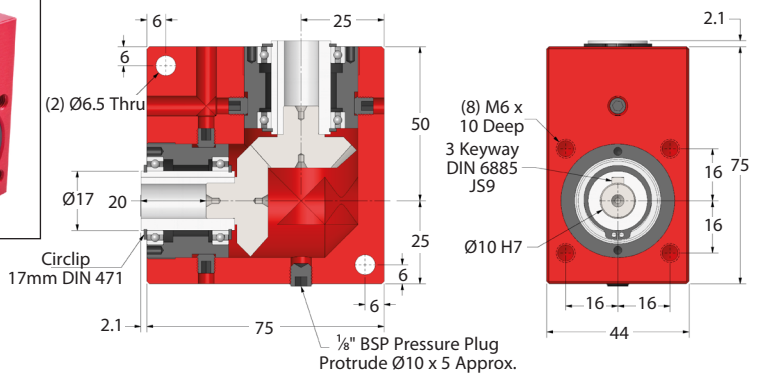
BLHI40

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



BLHB40

BLHB40 Type (Bore Input & Bore Output)



Part Number	Ratio	Efficiency at 1000 Rpm
BLHI40-1 BLHB40-1	1:1	88%
BLHO40-2 or BLHI40-2 BLHB40-2	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
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

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**BLHI50
BLHO50
BLHB50**

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Drawings
Available

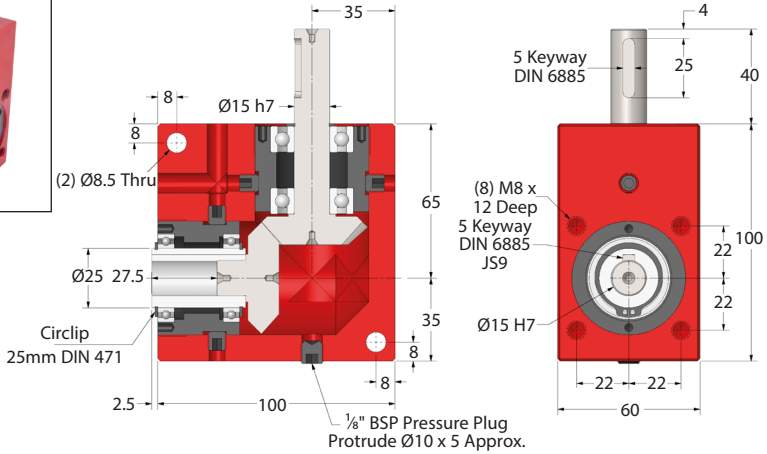
GEARBOXES

Bevel Bore Heavy Duty Gearbox

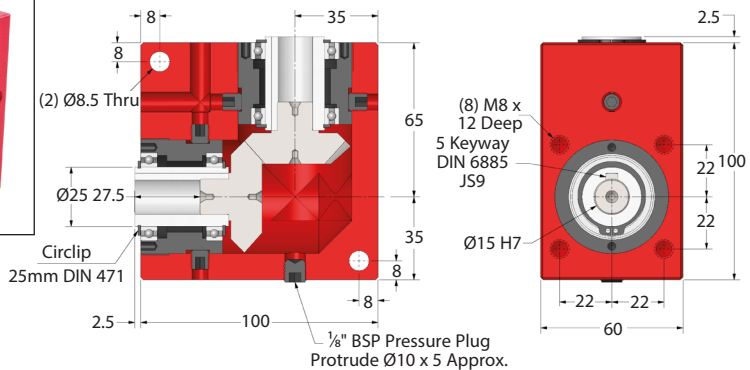
Hardened Bevels - Bore Type 7.7 – 30 Nm **1:1 - 2:1**



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



BLHB50 Type (Bore Input & Bore Output)



Part Number	Ratio	Efficiency at 1000 Rpm
BLHI50-1 BLHB50-1	1:1	88%
BLHO50-2 or BLHI50-2 BLHB50-2	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: KKS-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
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

GEARBOXES

Bevel Bore Heavy Duty Gearbox

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

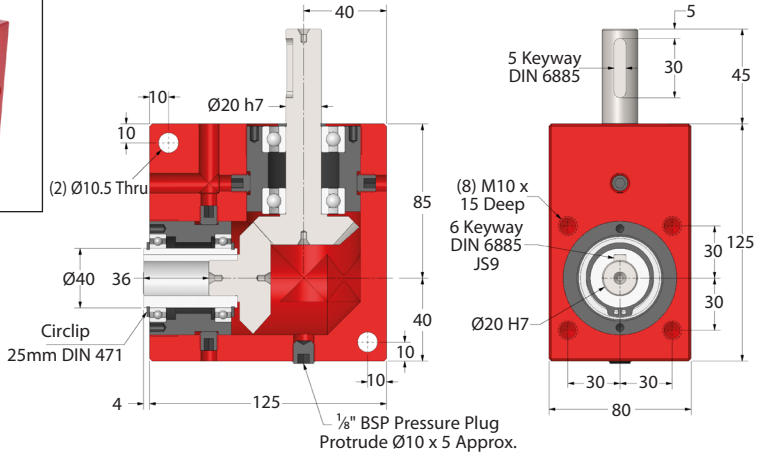
e-cad
Drawings
Available

BLHI60
BLHO60
BLHB60



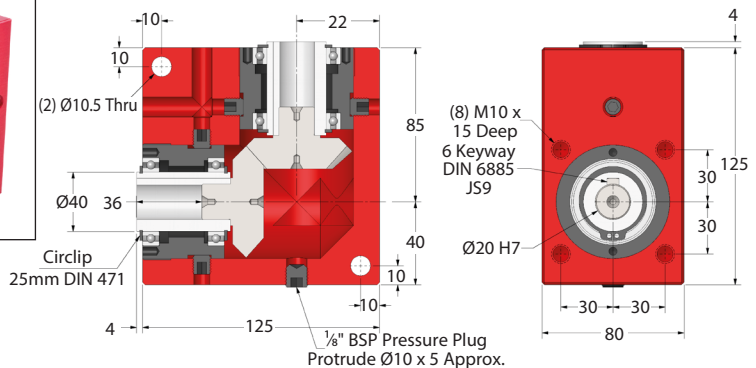
BLHI60

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



BLHB60

BLHB60 Type (Bore Input & Bore Output)



Part Number	Ratio	Efficiency at 1000 Rpm
BLHI60-1 BLHB60-1	1:1	88%
BLHO60-2 or BLHI60-2 BLHB60-2	2:1	88%

Output Backlash: ≈1°.
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
3000	26	19
2000	30	22
1000	35	25
500	40	29
100	53	38
50	57	43
10	70	52

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