

Right angled gearbox, dual output shafts

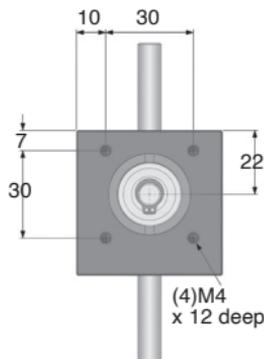
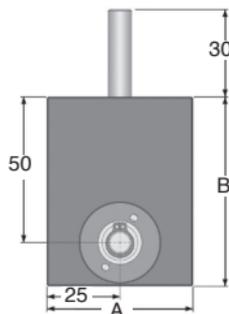
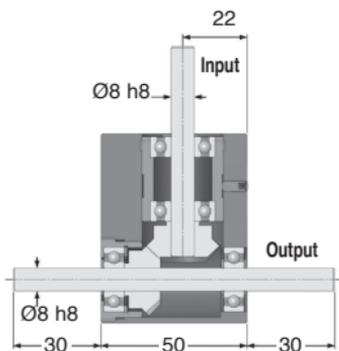
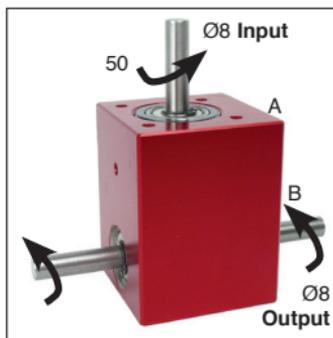
BL8

Torque up to 2Nm

- Ratios from 1:1 to 4:1
- Output backlash $\leq 45'$ ($0,75^\circ$)
- Max. input speed: 2,000 rpm
- Materials:
 - Casing: anodised aluminium
 - input and output : non-hardened steel
- Weight: 0.56 kg

Options

- Can be modified to your specifications



OUTPUT TORQUE (Nm: VALUES GIVEN AS A GUIDE ONLY)

Ratios	1:1	2:1	3:1	4:1	
INPUT SPEED (rpm)	2000	0,40	0,20	0,50	0,80
1000	0,50	0,30	0,50	0,90	
500	0,50	0,30	0,60	1,10	
200	0,60	0,40	0,70	1,30	
100	0,70	0,40	0,80	1,40	
50	0,80	0,40	0,90	1,60	
10	1,00	0,60	1,20	2,00	

DISCOUNTS

Qty	1+	3+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	A	B	Module	Stock*	Price each
BL8-1	1:1	88%	2000	2000	50	65	0,8	-	456,38 €
BL8-2	2:1	88%	2000	1000	50	65	0,8	-	456,38 €
BL8-3	3:1	88%	2000	666	50	75	0,8	✓	456,38 €
BL8-4	4:1	88%	2000	500	60	80	0,8	-	456,38 €
BL8-XH	1:1 - 4:1		With hardened gears = output torque x 2					-	On request

*Depending on availability - Dimensions in mm



Right angled gearbox, dual output shafts

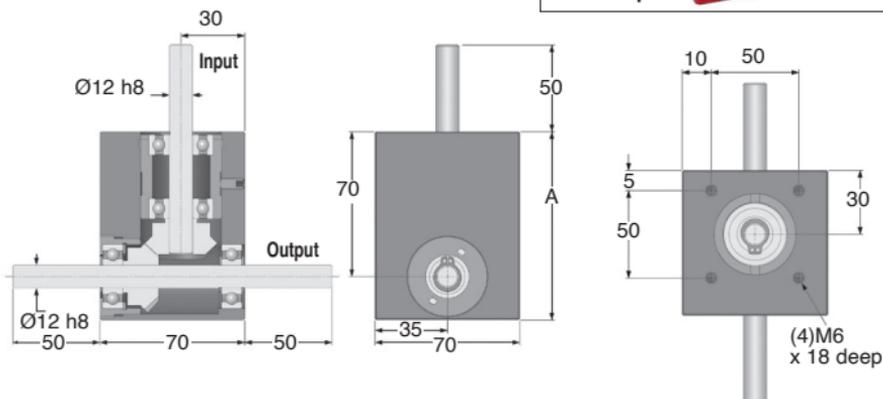
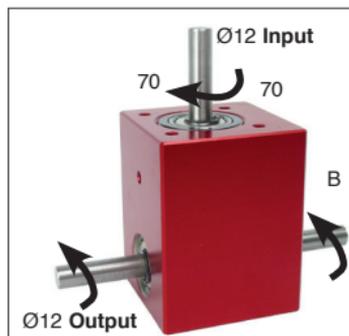
Torque up to 6Nm

BL15

- Ratios from 1:1 to 4:1
- Output backlash $\leq 45'$ ($0,75^\circ$)
- Max. input speed: 2,000 rpm
- Materials:
 - Casing: anodized aluminium
 - input and output : non-hardened steel
- Weight: 1.70 kg

Options

- Can be modified to your specifications



OUTPUT TORQUE (Nm: VALUES GIVEN AS A GUIDE ONLY)

Ratios	1:1	2:1	3:1	4:1
2000	2,00	1,10	2,30	2,20
1000	2,30	1,20	2,60	2,50
500	2,70	1,40	3,00	2,80
200	3,20	1,70	3,60	3,40
100	3,50	2,00	4,00	3,70
50	3,90	2,20	4,50	4,20
10	5,00	2,90	6,00	5,50

DISCOUNTS

Qty	1+	3+	4+
Disc.	List -15%	On request	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	B	Module	Price each
BL15-1	1:1	88%	2000	2000	90	1,5	630,05 €
BL15-2	2:1	88%	2000	1000	105	1,5	630,05 €
BL15-3	3:1	88%	2000	666	110	1,5	630,05 €
BL15-4	4:1	88%	2000	500	120	1,0	760,11 €
BL15-XH	1:1 - 4:1	With hardened gears = output torque x 2					on request

Dimensions in mm

Right angled gearbox



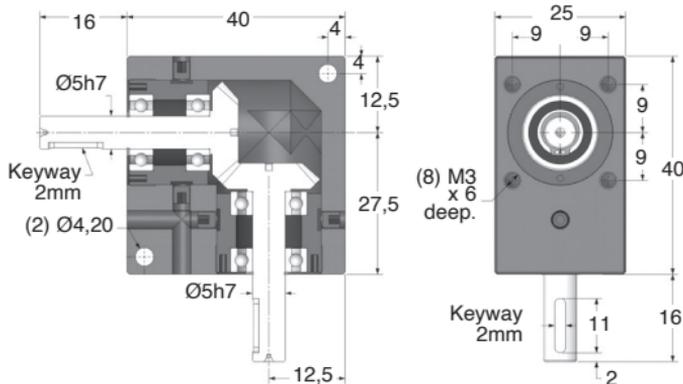
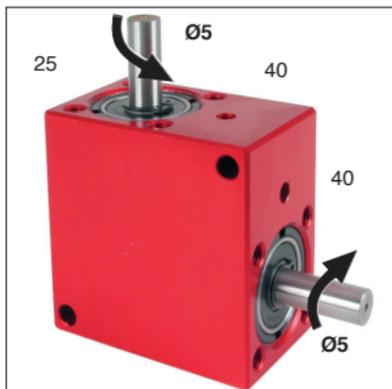
BLH20

Torque up to 1.77Nm

- **Input and output rotate in opposite directions**
- Ratios from 1:1 to 2:1
- Output backlash $\leq 45'$ (0,75°)
- Max. speed: 3,000 rpm
- Materials:
 - casing: anodised aluminium
 - input and output: hardened stainless steel
- Keyway conforms to DIN 6885
- Greased for life: Shell Gadus S2 V220AD 2
- Weight: 0.11 kg

Options

- Can be modified to your specifications



OUTPUT TORQUE (Nm values given as a guide only)

Ratios	1:1	2:1
3000	0,66	0,53
2000	0,72	0,58
INPUT SPEED (rpm)	0,88	0,70
500	1,00	0,80
100	1,35	1,08
50	1,48	1,18
10	1,77	1,41

DISCOUNTS

Qty	1+	2+	4+
Disc.	List -15%		On request

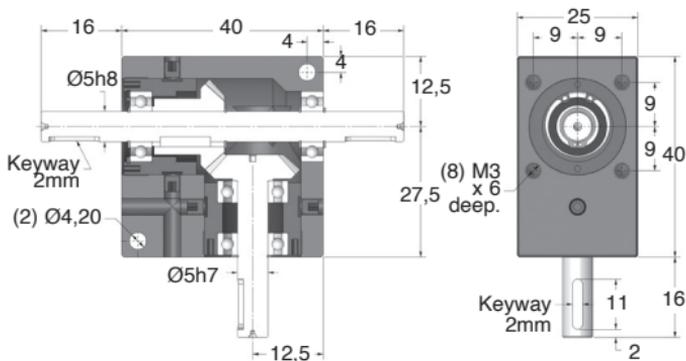
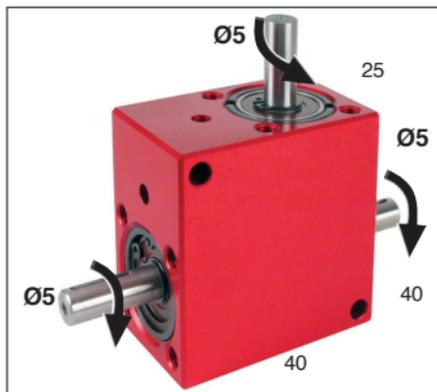
Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m ²)	Stock*	Price each
BLH20-1	1:1	88%	3000	3000	4,34 x 10 ⁻⁷	✓	436,19 €
BLH20-2	2:1	88%	3000	1500	8,41 x 10 ⁻⁸	✓	436,19 €

*Depending on availability - Dimensions in mm

- **Through-shaft offers both output directions**
- Ratios from 1:1 to 2:1
- Output backlash $\leq 45'$ ($0,75^\circ$)
- Max. speed: 3,000 rpm
- Materials:
 - casing: anodised aluminium
 - input: hardened stainless steel
 - output: unhardened stainless steel
- Keyway conforms to DIN 6885
- Greased for life: Shell Gadus S2 V220AD 2
- Weight: 0.12 kg

Options

- Can be modified to your specifications



OUTPUT TORQUE (Nm values given as a guide only)

Ratios	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 (rpm)	1,35	1,08
50	1,48	1,18
10	1,77	1,41

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m ²)	Stock*	Price each
BLHT20-1	1:1	88%	3000	3000	$4,34 \times 10^{-7}$	✓	479,84 €
BLHT20-2	2:1	88%	3000	1500	$8,41 \times 10^{-8}$	-	479,84 €

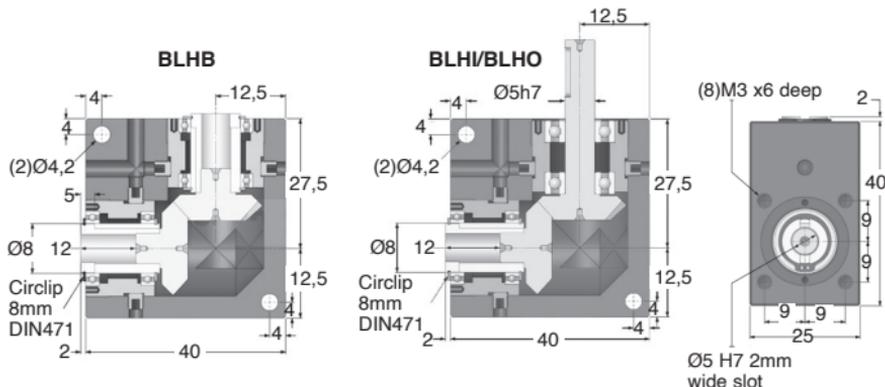
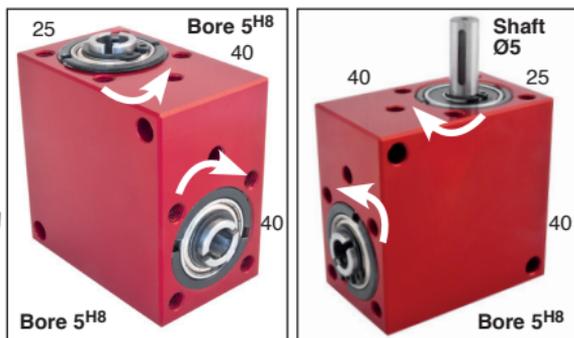
*Depending on availability - Dimensions in mm

Right angled gearbox, bored shafts Size XS

BLHB20
BLHI20
BLHO20

Torque up to 1.77Nm

- Input and output rotate in opposite directions
- Ratio from 1:1 to 2:1
- Output backlash $\leq 45'$ (0,75°)
- Max. speed: 3,000 rpm
- Greased for life
- Materials:
 - casing: anodised aluminium
 - gears: hardened stainless steel
- Allowable loads, please refer to the technical pages



OUTPUT TORQUE (Nm VALUES GIVEN AS A GUIDE ONLY)

Ratios	1:1	2:1
INPUT SPEED (rpm)	3000	2000
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

DISCOUNTS

Qty	1+	2+	4+
Disc.	List -15%	On request	On request

Part number	Ratios	Input shaft	Output shaft	Efficiency Max. input Max. output			Stock*	Price each
				at 1000 (rpm)	speed (rpm)	speed (rpm)		
BLHB20-1	1:1	Bore	Bore	88%	3000	3000	✓	587,36 €
BLHB20-2	2:1	Bore	Bore	88%	3000	1500	-	587,36 €
BLHI20-1	1:1	Bore	Shaft	88%	3000	3000	-	536,47 €
BLHI20-2	2:1	Bore	Shaft	88%	3000	1500	-	536,47 €
BLHO20-2	2:1	Shaft	Bore	88%	3000	1500	-	536,47 €

*Depending on availability - Dimensions in mm

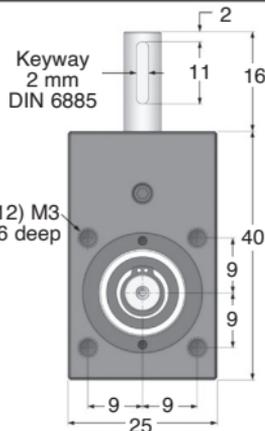
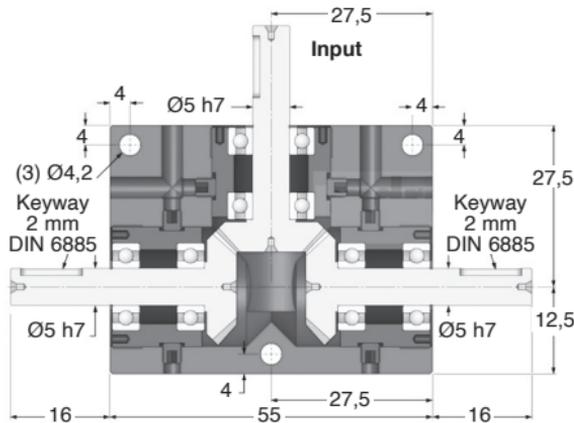
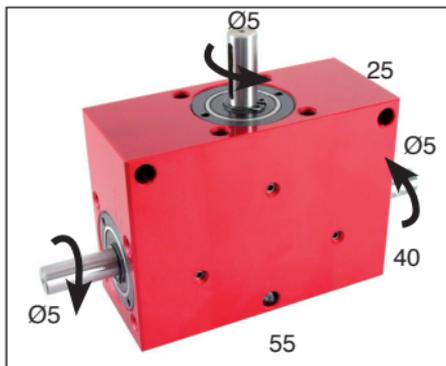
Torque up to 1.77Nm

BLHM20

- Input and two outputs have a reversed direction of rotation
- Ratios of 1:1 to 2:1
- Output backlash $\leq 45'$ ($0,75^\circ$)
- Max. speed: 3,000 rpm
- Materials: casing: anodised aluminium
input and output: hardened stainless steel
- Weight: 0.16 kg

Options

- Can be modified to your specifications



Output torque Nm (Nm values given as a guide only)

Ratios	1:1	2:1
3000	0,66	0,53
2000	0,72	0,58
INPUT SPEED (rpm)		
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

Innovative!
Outputs rotate in opposite directions

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m ²)	Stock*	Price each
BLHM20-1	1:1	88%	3000	3000	$4,34 \times 10^{-7}$	✓	654,39 €
BLHM20-2	2:1	88%	3000	1500	$8,41 \times 10^{-8}$	-	654,39 €

*Depending on availability - Dimensions in mm

Right angled gearbox



BLH30

Torque up to 4.4Nm

- Input and output rotate in opposite directions

- Ratios from 1:1 to 2:1
- Output backlash $\leq 45'$ (0,75°)
- Max. speed: 3,000 rpm

- Materials:

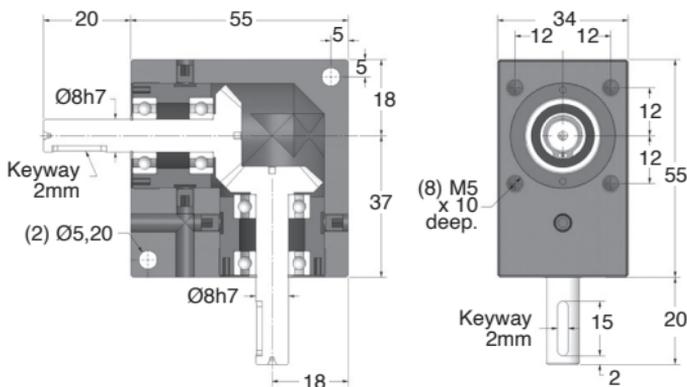
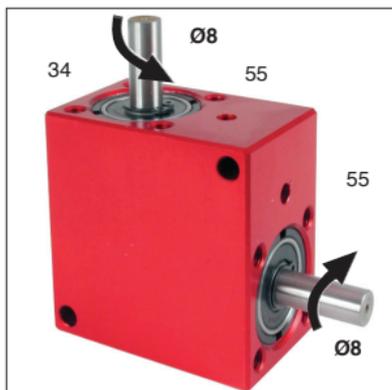
casing: anodised aluminium

input and output: hardened stainless steel

- Keyway conforms to DIN 6885
- Greased for life: Shell Gadus S2 V220AD 2
- Weight: 0.28 kg

Options

- Can be modified to your specifications



OUTPUT TORQUE (Nm values given as a guide only)

Ratios		1:1	2:1
INPUT SPEED (rpm)	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

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m ²)	Stock*	Price each
BLH30-1	1:1	88%	3000	3000	$2,19 \times 10^{-6}$	✓	563,98 €
BLH30-2	2:1	88%	3000	1500	$5,00 \times 10^{-7}$	✓	563,98 €

*Depending on availability - Dimensions in mm



Right angled gearbox, dual output shafts

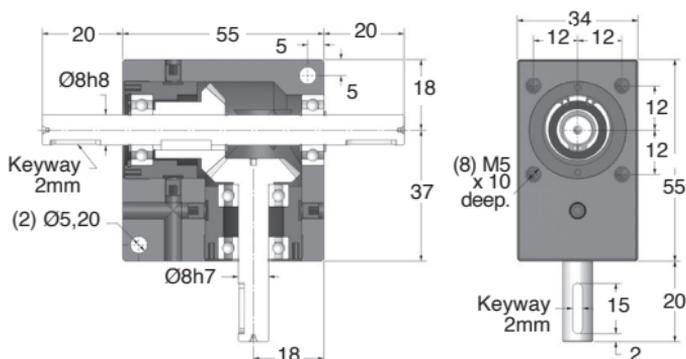
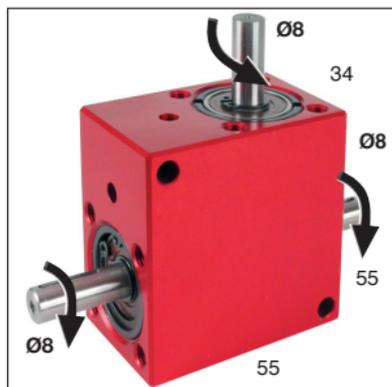
Torque up to 4.4Nm

BLHT30

- **Through shaft** offers both output directions
- Ratios from 1:1 to 2:1
- Output backlash $\leq 45'$ ($0,75^\circ$)
- Max. speed: 3,000 rpm
- Materials:
 - casing: anodised aluminium
 - input: hardened stainless steel
 - output: non-hardened stainless steel
- Keyway conforms to DIN 6885
- Greased for life: Shell Gadus S2 V220AD 2
- Weight: 0.3 kg

Options

- Can be modified to your specifications



OUTPUT TORQUE (Nm values given as a guide only)

Ratios	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

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m ²)	Stock*	Price each
BLHT30-1	1:1	88%	3000	3000	$2,19 \times 10^{-6}$	✓	620,38 €
BLHT30-2	2:1	88%	3000	1500	$5,00 \times 10^{-7}$	✓	620,38 €

*Depending on availability - Dimensions in mm



Right angled gearbox, dual output shafts

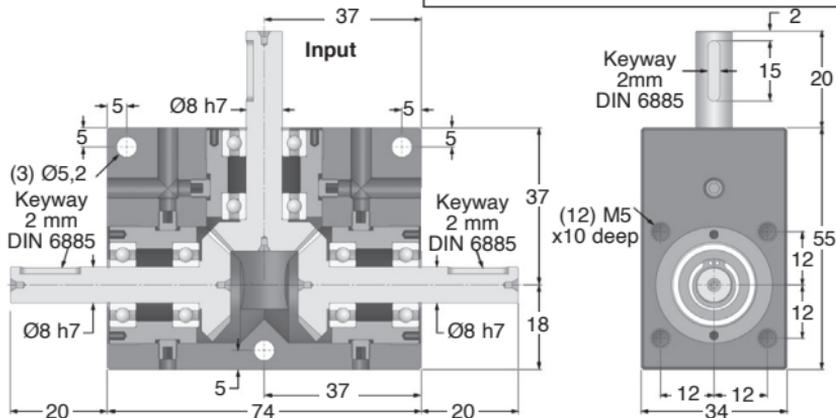
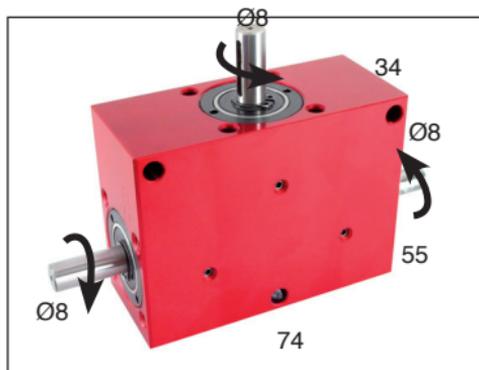
Torque up to 4.4Nm

BLHM30

- Input and two outputs have a reversed direction of rotation
- Ratios of 1:1 to 2:1
- Output backlash $\leq 45'$ ($0,75^\circ$)
- Max. speed: 3,000 rpm
- Materials: casing: anodised aluminium
input and output: hardened stainless steel
- Weight: 0.35 kg

Options

- Can be modified to your specifications



Output torque Nm (Nm values given as a guide only)

Ratios	1:1	2:1
3000	1,65	1,32
2000	1,81	1,45
INPUT SPEED (rpm)	1000	2,20
	500	2,51
	100	3,38
	50	3,70
	10	4,40

Innovative !
Outputs rotate in opposite directions

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m)	Stock*	Price each
BLHM30-1	1:1	88%	3000	3000	$2,19 \times 10^{-6}$	✓	846,04 €
BLHM30-2	2:1	88%	3000	1500	$5,00 \times 10^{-7}$	✓	846,04 €

*Depending on availability - Dimensions in mm

Right angled gearbox



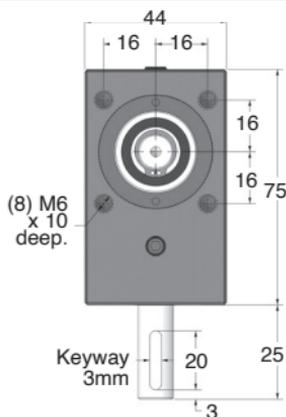
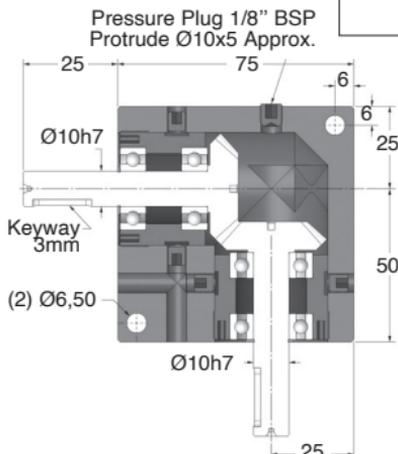
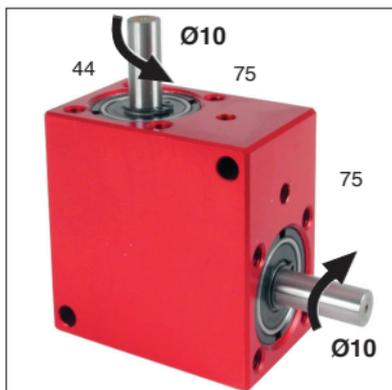
BLH40

Torque up to 10.3Nm

- Input and output rotate in opposite directions
- Ratios from 1:1 to 2:1
- Output backlash $\leq 45'$ (0,75°)
- Max. speed: 3,000 rpm
- Materials:
 - casing: anodised aluminium
 - input and output: hardened stainless steel
- Keyway conforms to DIN 6885
- Greased for life: Shell Gadus S2 V220AD 2
- Weight: 0.90 kg

Options

- Can be modified to your specifications



OUTPUT TORQUE (Nm values given as a guide only)

Ratios		1:1	2:1
INPUT SPEED (rpm)	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

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m ²)	Stock*	Price each
BLH40-1	1:1	88%	3000	3000	6,42 x 10 ⁻⁶	✓	719,55 €
BLH40-2	2:1	88%	3000	1500	1,40 x 10 ⁻⁶	✓	719,55 €

*Depending on availability - Dimensions in mm



Right angled gearbox

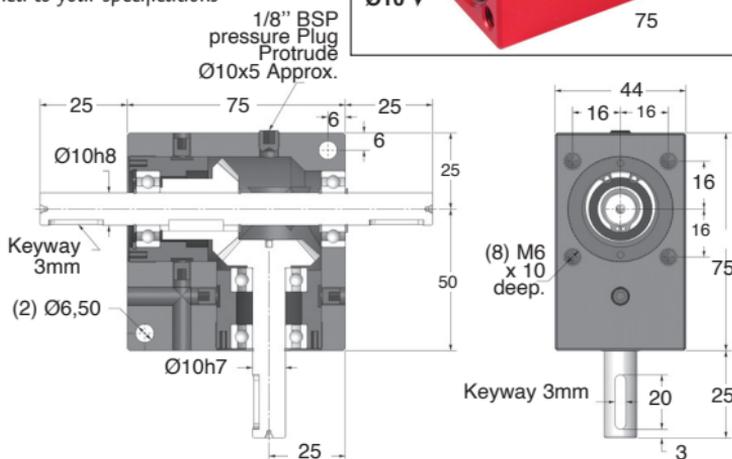
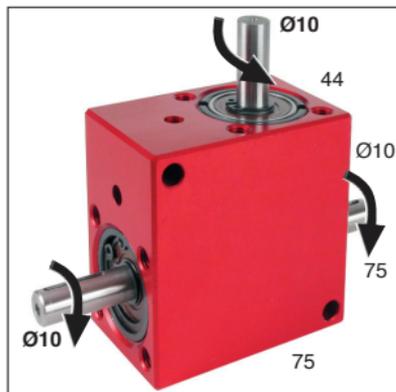
Torque up to 10.3Nm

BLHT40

- **Through shaft** offers both output directions
- Ratios from 1:1 to 2:1
- Output backlash $\leq 45'$ ($0,75^\circ$)
- Max. speed: 3,000 rpm
- Materials:
 - casing: anodised aluminium
 - input: hardened stainless steel
 - output: unhardened stainless steel
- Keyway conforms to DIN 6885
- Greased for life: Shell Gadus S2 V220AD 2
- Weight: 1 kg

Options

- Can be modified to your specifications



OUTPUT TORQUE (Nm values given as a guide only)

Ratios	1:1	2:1
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

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m ²)	Stock*	Price each
BLHT40-1	1:1	88%	3000	3000	$6,42 \times 10^{-6}$	✓	791,54 €
BLHT40-2	2:1	88%	3000	1500	$1,40 \times 10^{-6}$	✓	791,54 €

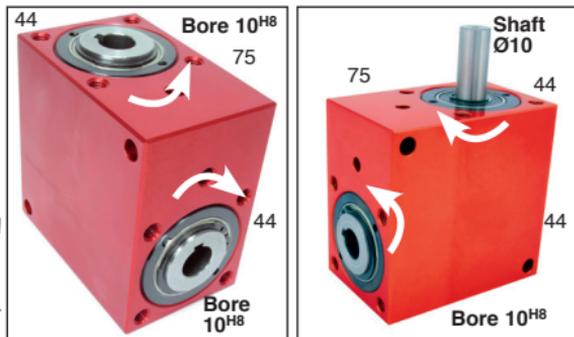
*Depending on availability - Dimensions in mm

Right angled gearbox, bored shafts

BLHB40
BLHI40
BLHO40

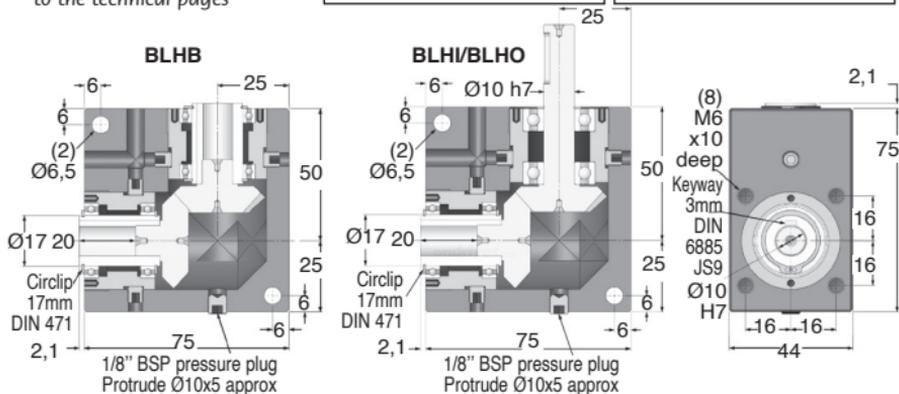
Torque up to 10.3Nm

- Input and output rotate in opposite directions
- Ratio from 1:1 to 2:1
- Right angled gearbox with bored shafts
- Output backlash $\leq 45'$ (0,75°)
- Max. speed: 3,000 rpm
- Greased for life
- Materials:
 - casing: anodised aluminium
 - gears: hardened stainless steel



Info.

- Pressure plug 1/8" BSP
- For allowable loads, please refer to the technical pages



OUTPUT TORQUE (Nm VALUES GIVEN AS A GUIDE ONLY)

Ratios	1:1	2:1
INPUT SPEED (rpm)	3000	3,00
500	4,40	3,40
200	5,10	4,00
100	5,80	4,60
50	7,60	6,00
25	8,50	6,30
10	10,30	8,00

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratios	Input shaft	Output shaft	Efficiency at 1000 (rpm)	Max. input speed (rpm)	Max. output speed (rpm)	Stock*	Price each
BLHB40-1	1:1	Bore	Bore	88%	3000	3000	✓	1 021,79 €
BLHB40-2	2:1	Bore	Bore	88%	3000	1500	-	1 021,79 €
BLHI40-1	1:1	Bore	Shaft	88%	3000	3000	✓	933,24 €
BLHI40-2	2:1	Bore	Shaft	88%	3000	1500	✓	933,24 €
BLHO40-2	2:1	Shaft	Bore	88%	3000	1500	✓	933,24 €

*Depending on availability - Dimensions in mm



Right angled gearbox, dual output shafts

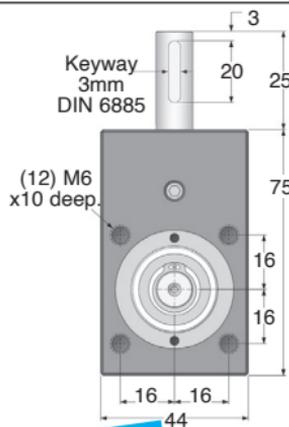
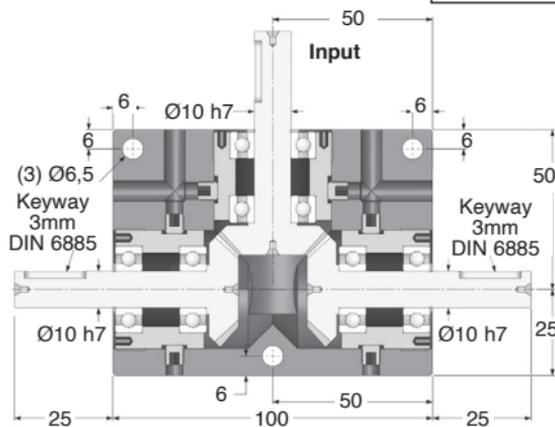
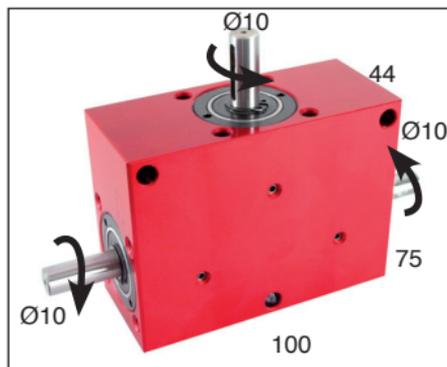
Torque up to 10.3Nm

BLHM40

- Input and two outputs have a reversed sense of rotation
- Ratios of 1:1 to 2:1
- Output backlash $\leq 45'$ ($0,75^\circ$)
- Max. speed: 3,000 rpm
- Materials: casing: anodised aluminium
input and output: hardened stainless steel
- Weight: 1.1 kg

Options

- Can be modified to your specifications



Output torque Nm (Nm values given as a guide only)

Ratios	1:1	2:1
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

Innovative !
Outputs rotate in different directions

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m)	Stock*	Price each
BLHM40-1	1:1	88%	3000	3000	$6,43 \times 10^{-6}$	-	1 079,44 €
BLHM40-2	2:1	88%	3000	1500	$1,40 \times 10^{-6}$	-	1 079,44 €

*Depending on availability - Dimensions in mm

Right angled gearbox



BLH50

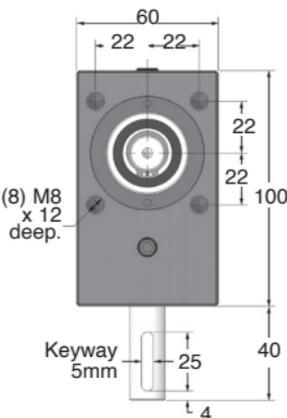
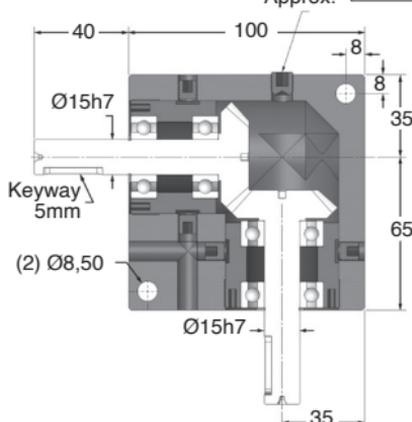
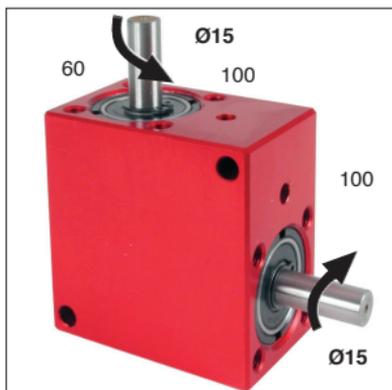
Torque up to 30Nm

- Input and output rotate in opposite directions
- Ratios from 1:1 to 2:1
- Output backlash $\leq 45'$ ($0,75^\circ$)
- Max. speed: 3,000 rpm
- Materials:
 - casing: anodised aluminium
 - input and output: hardened steel
- Keyway conforms to DIN 6885
- Greased for life: Shell Gadus S2 V220AD 2
- Weight: 2.20 kg

Options

- Can be modified to your specifications

Pressure Plug
1/8" BSP
Protrude $\varnothing 10 \times 5$
Approx.



OUTPUT TORQUE (Nm values given as a guide only)

Ratios		1:1	2:1
INPUT SPEED (rpm)	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	

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m ²)	Stock*	Price each
BLH50-1	1:1	88%	3000	3000	$4,76 \times 10^{-5}$	✓	1 082,56 €
BLH50-2	2:1	88%	3000	1500	$1,25 \times 10^{-5}$	✓	1 082,56 €

*Depending on availability - Dimensions in mm



Right angled gearbox, dual output shafts

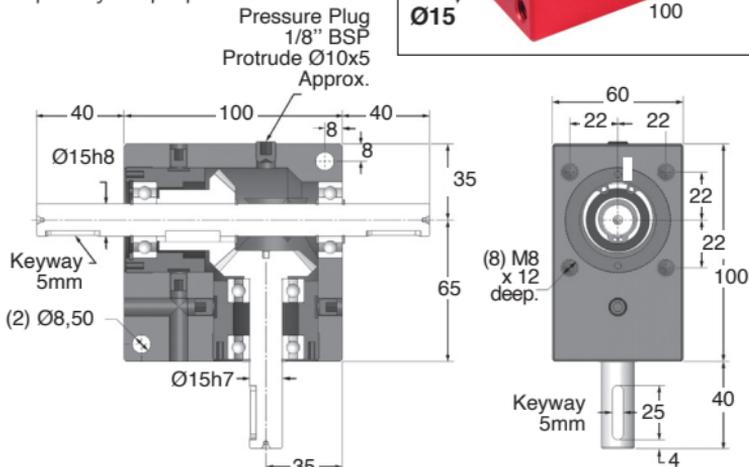
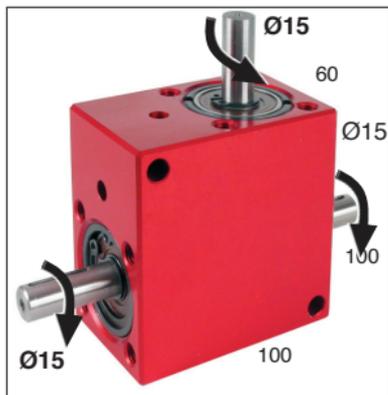
Torque up to 30Nm

BLHT50

- Trough-shaft offer both output directions
- Ratios from 1:1 to 2:1
- Output backlash $\leq 45'$ ($0,75^\circ$)
- Max. speed: 3,000 rpm
- Materials:
 - casing: anodised aluminium
 - input: hardened steel
 - output: unhardened steel
- Keyway conforms to DIN 6885
- Greased for life: Shell Gadus S2 V220AD 2
- Weight: 2.31 kg

Options

- Can be modified to your specifications



OUTPUT TORQUE (Nm values given as a guide only)

Ratios	1:1	2:1
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

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m ²)	Stock*	Price each
BLHT50-1	1:1	88%	3000	3000	$4,76 \times 10^{-5}$	✓	1 188,51 €
BLHT50-2	2:1	88%	3000	1500	$1,25 \times 10^{-5}$	-	1 188,51 €

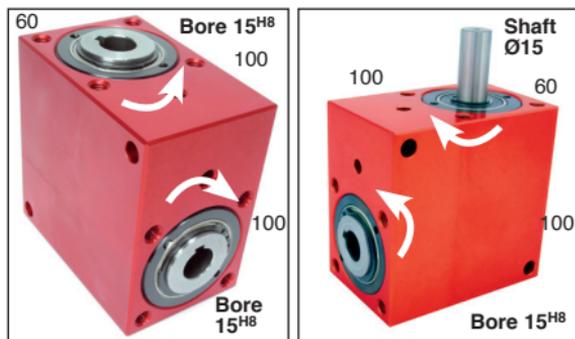
* Depending on availability - Dimensions in mm

Right angled gearbox, bored shafts

BLHB50
BLHI50
BLHO50

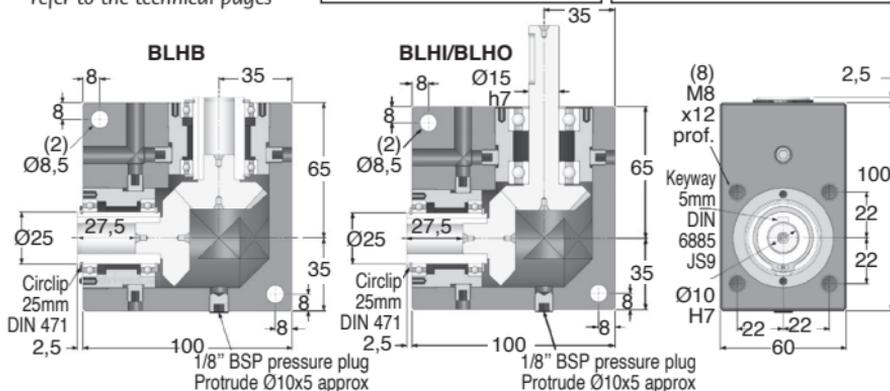
Torque up to 30Nm

- Input and output rotate in opposite directions
- Ratio from 1:1 to 2:1
- Right angled gearbox with bored shafts
- Output backlash $\leq 45'$ (0,75°)
- Max. speed: 3,000 rpm
- Greased for life
- Materials:
 - casing: anodised aluminium
 - gears: case hardened steel



Info.

- Pressure plug 1/8" BSP
- For allowable loads, please refer to the technical pages



OUTPUT TORQUE (Nm VALUES GIVEN AS A GUIDE ONLY)

Ratios	1:1	2:1
INPUT SPEED (rpm)	3000	7,70
1000	11,50	8,70
500	13,20	10,20
100	15,90	11,60
50	17,50	15,00
10	23,00	17,00
	25,00	20,00
	30,00	

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratios	Input shaft	Output shaft	Efficiency at 1000 (rpm)	Max. input speed (rpm)	speed (rpm)	Price each
BLHB50-1	1:1	Bore	Bore	88%	3000	3000	✓ 1 537,36 €
BLHB50-2	2:1	Bore	Bore	88%	3000	1500	- 1 537,36 €
BLHI50-1	1:1	Bore	Shaft	88%	3000	3000	✓ 1 404,20 €
BLHI50-2	2:1	Bore	Shaft	88%	3000	1500	- 1 404,20 €
BLHO50-2	2:1	Shaft	Bore	88%	3000	1500	- 1 404,20 €

*Depending on availability - Dimensions in mm



Right angled gearbox, dual output shafts

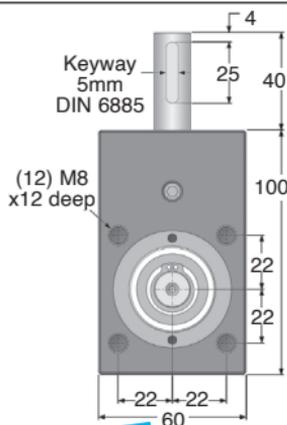
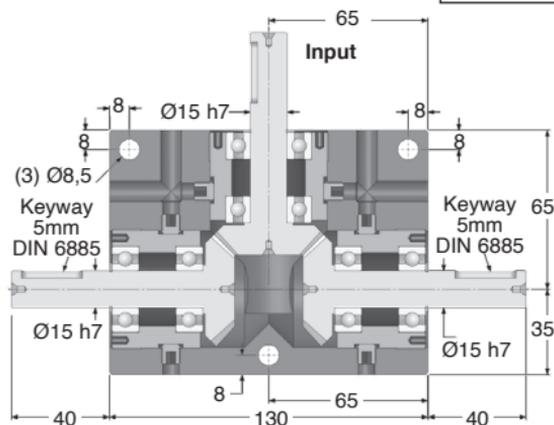
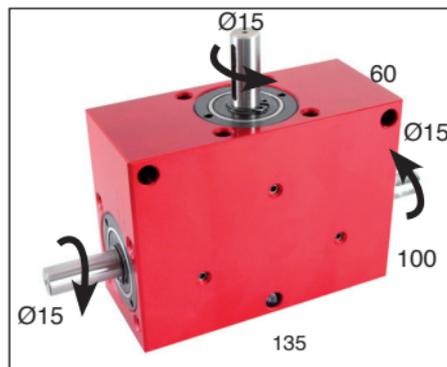
Torque up to 30Nm

BLHM50

- Through-shaft offers both output directions
- Ratios of 1:1 to 2:1
- Output backlash $\leq 45'$ ($0,75^\circ$)
- Max. speed: 3,000 rpm
- Materials: casing: anodised aluminium
input: hardened steel,
output: hardened steel
- Weight: 2.3 kg

Options

- Can be modified to your specifications



Output torque Nm (Nm values given as a guide only)

Ratios	1:1	2:1
3000	11,50	7,70
2000	13,20	8,70
INPUT SPEED (rpm)	15,90	10,20
500	17,50	11,60
100	23,00	15,00
50	25,00	17,00
10	30,00	20,00

Innovative!
Outputs rotate in different directions

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m)	Stock*	Price each
BLHM50-1	1:1	88%	3000	3000	$4,76 \times 10^{-5}$	✓	1 624,03 €
BLHM50-2	2:1	88%	3000	1500	$1,25 \times 10^{-5}$	✓	1 624,03 €

*Depending on availability - Dimensions in mm

Right angled gearbox



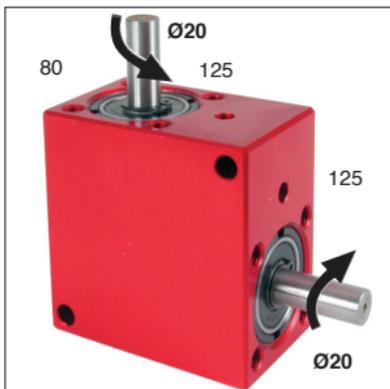
BLH60

Torque up to 70Nm

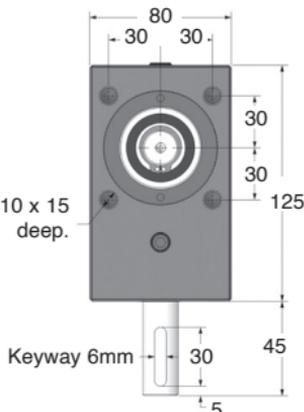
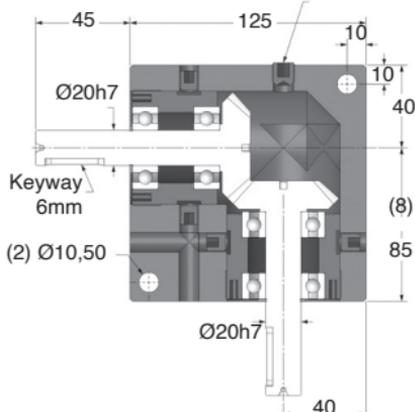
- Input and output rotate in opposite directions
- Ratios from 1:1 to 2:1
- Output backlash $\leq 45'$ (0,75°)
- Max. speed: 3,000 rpm
- Materials:
 - casing: anodised aluminium
 - input and output: hardened steel
- Keyway conforming to DIN 6885
- Greased for life: Shell Gadus S2 V220AD 2
- Weight: 4.5 kg

Options

- Can be modified to your specifications



Pressure Plug
1/8" BSP
Protrude Ø10x5
Approx.



OUTPUT TORQUE (Nm values given as a guide only)

Ratios		1:1	2:1
INPUT SPEED (rpm)	3000	26,00	19,00
	2000	30,00	22,00
	1000	35,00	25,00
	500	35,00	25,00
	100	53,00	38,00
	50	57,00	43,00
	10	70,00	52,00

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m ²)	Price each
BLH60-1	1:1	88%	3000	3000	1,99 x 10 ⁻⁴	1 232,37 €
BLH60-2	2:1	88%	3000	1500	3,87 x 10 ⁻⁵	1 232,37 €

*Depending on availability - Dimensions in mm



Right angled gearbox, dual output shafts

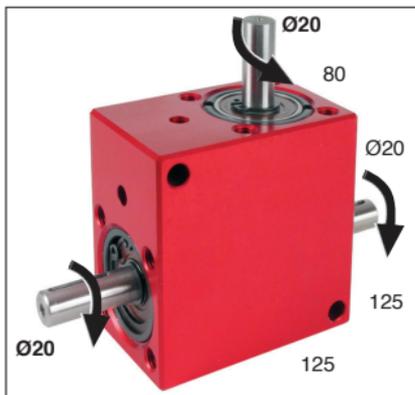
Torque up to 70Nm

BLHT60

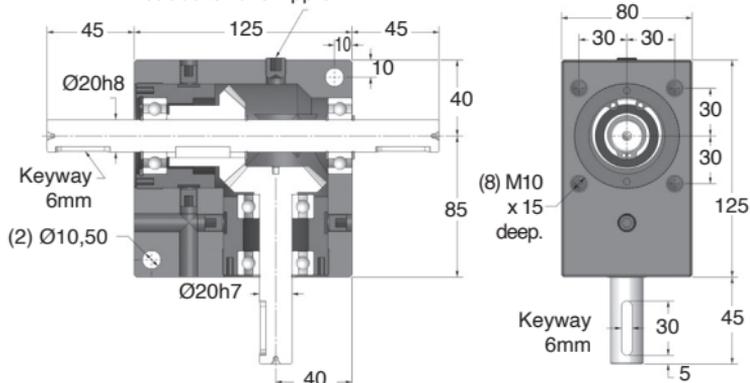
- **Through shaft** offers both output directions
- Ratios from 1:1 to 2:1
- Output backlash $\leq 45'$ ($0,75^\circ$)
- Max. speed: 3,000 rpm
- Materials:
 - casing: anodised aluminium
 - input: hardened steel
 - output: unhardened steel
- Keyway conforms to DIN 6885
- Greased for life: Shell Gadus S2 V220AD 2
- Weight: 4.75 kg

Options

- Can be modified to your specifications



Pressure Plug
1/8" BSP
Protrude Ø10x5 Approx.



OUTPUT TORQUE (Nm values given as a guide only)

Ratios	1:1	2:1
3000	26,00	19,00
2000	30,00	22,00
1000	35,00	25,00
500	35,00	25,00
100	53,00	38,00
50	57,00	43,00
10	70,00	52,00

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m ²)	Price each
BLHT60-1	1:1	88%	3000	3000	$1,99 \times 10^{-4}$	1 355,59 €
BLHT60-2	2:1	88%	3000	1500	$3,87 \times 10^{-5}$	1 355,59 €

*Depending on availability - Dimensions in mm



Right angled gearbox, dual output shafts

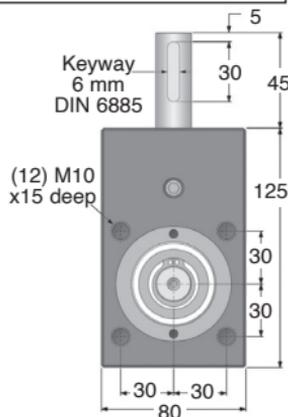
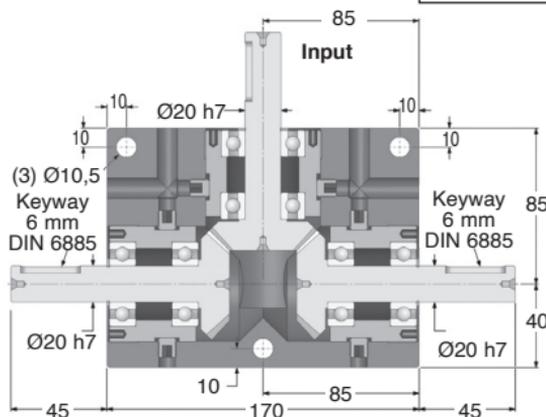
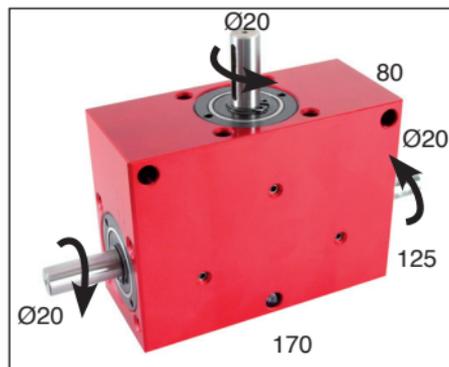
Torque up to 70Nm

BLHM60

- Input and two outputs have a reversed sense of direction
- Ratios of 1:1 to 2:1
- Output backlash $\leq 45'$ ($0,75^\circ$)
- Max. speed: 4,000 rpm
- Materials: casing: anodised aluminium
input: hardened steel,
output: hardened steel
- Weight: 5.20 kg

Options

- Can be modified to your specifications



Output torque Nm (Nm values given as a guide only)

Ratios	1:1	2:1
3000	26,00	19,00
2000	30,00	22,00
INPUT SPEED (rpm)	35,00	25,00
500	40,00	29,00
100	53,00	38,00
50	57,00	43,00
10	70,00	52,00

Innovative !
Outputs rotate in different directions

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m)	Stock*	Price each
BLHM60-1	1:1	88%	3000	3000	$1,99 \times 10^{-4}$	-	1 848,73 €
BLHM60-2	2:1	88%	3000	1500	$3,87 \times 10^{-5}$	-	1 848,73 €

*Depending on availability - Dimensions in mm

Right angled gearbox



BLH70

Torque up to 128Nm

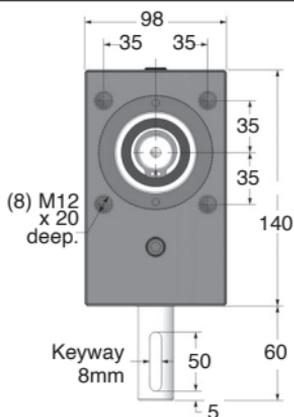
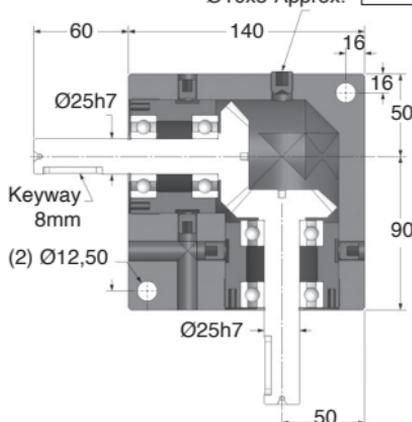
- **Input and output rotate in opposite directions**
- Ratios from 1:1 to 2:1
- Output backlash $\leq 45'$ (0,75°)
- Max. speed: 3,000 rpm
- Materials:
 - casing: anodised aluminium
 - input and output: hardened steel
- Keyway conforms to DIN 6885
- Greased for life: Shell Gadus S2 V220AD 2
- Weight: 7.05 kg

Options

- Can be modified to your specifications



1/8" BSP
pressure Plug Protrude
Ø10x5 Approx.



OUTPUT TORQUE (Nm values given as a guide only)

Ratios		1:1	2:1
INPUT SPEED (rpm)	3000	43	26
	2000	47	30
	1000	51	34
	500	64	38
	100	85	51
	50	94	60
	10	128	77

DISCOUNTS

Qty	1+	2+	4+
Disc.	List -15%		On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m ²)	Price each
BLH70-1	1:1	88%	3000	3000	4,15 x 10 ⁻⁴	2 473,53 €
BLH70-2	2:1	88%	3000	1500	1,12 x 10 ⁻⁴	2 473,53 €

Dimensions in mm



Right angled gearbox, dual output shafts

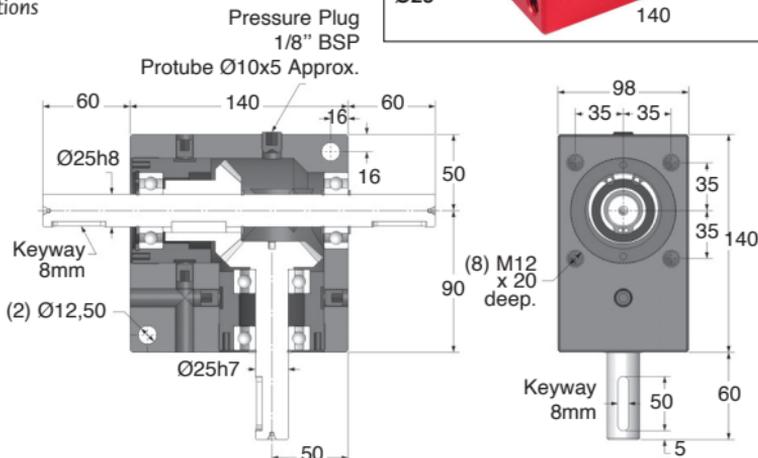
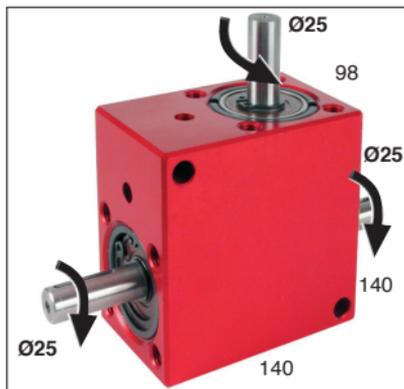
Torque up to 128Nm

BLHT70

- Trough-shaft offers both output directions
- Ratios from 1:1 to 2:1
- Output backlash $\leq 45'$ ($0,75^\circ$)
- Max. speed: 3,000 rpm
- Materials:
 - casing: anodised aluminium
 - input: hardened steel
 - output: unhardened steel:
- Keyway conforms to DIN 6885
- Greased for life: Shell Gadus S2 V220AD 2
- Weight: 7.20 kg

Options

- Can be modified to your specifications



OUTPUT TORQUE (Nm values given as a guide only)

Ratios	1:1	2:1
3000	43	26
2000	47	30
1000	51	34
500	64	38
100	85	51
50	94	60
10	128	77

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-15%	On request

Part number	Ratio	Efficiency at 1000 rpm	Max. input speed (rpm)	Max. output speed (rpm)	Reflected inertia at input (kg.m ²)	Price each
BLHT70-1	1:1	88%	3000	3000	$4,15 \times 10^{-4}$	2 701,58 €
BLHT70-2	2:1	88%	3000	1500	$1,12 \times 10^{-4}$	2 701,58 €

Dimensions in mm

Right angle gearbox, single or dual output

BLH, BLHT, BL, BLHB

Technical information

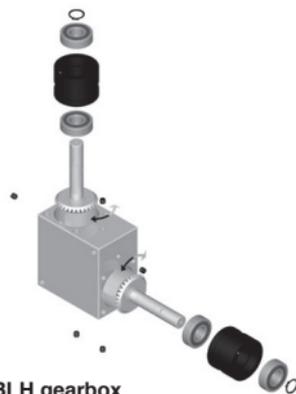
- **Speed ratio: from 1:1 to 4:1**
- **Materials :**
housing anodised aluminium
case hardened steel gears or hardened stainless steel
- **Max. speed: 2,000 to 3,000 rpm on input**
depending on model
- **Backlash: $\leq 45'$ ($0,75^\circ$) on output**
- **Lubrication: greased for life**
(Shell Gadus S2 V220AD 2 grease)
- **Guarantee: 13 months**
- **Tolerances : ground shafts h7, Ra 0.8**
- **Lubrication temperature : max operating 60°C**
- **Cooling may be needed dependent on application**



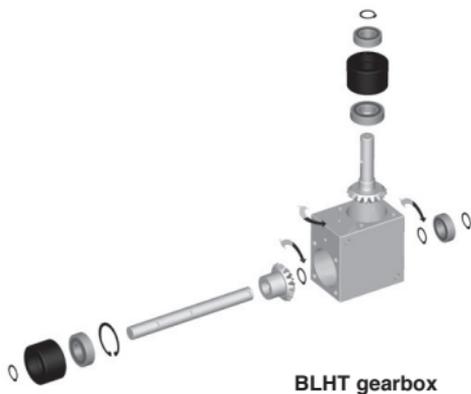
BLH range



BLHT range



BLH gearbox

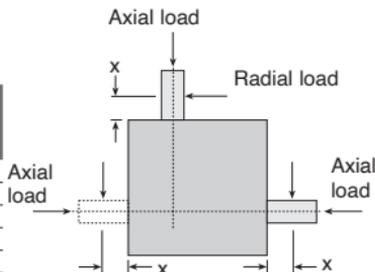


BLHT gearbox

ADMISSIBLE LOADS

Part number	Distance 'X' (mm)	Radial load (N)	Axial load (N)
BLH20 BLHT20	6	10	5
BLH30 BLHT30	10	30	20
BLH40 BLHT40	12	60	50
BLH50 BLHT50	20	200	100
BLH60 BLHT60	25	300	150
BLH70 BLHT70	30	500	200

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

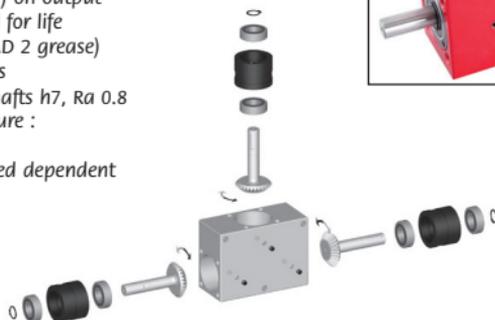


Double output bevel gearbox

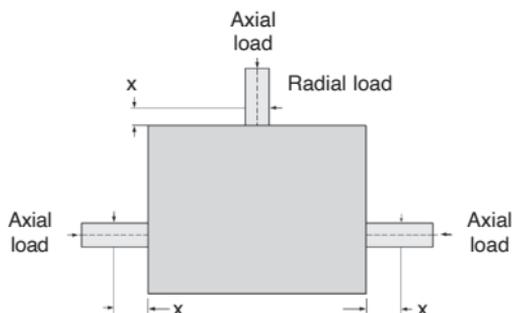
Technical information

BLHM

- **Speed ratio: from 1:1 to 2:1**
- **Materials :**
housing anodised aluminium
case hardened steel gears
- **Max. speed: 2,000 to 3,000 rpm on input**
depending on model
- **Backlash: $\leq 45'$ ($0,75^\circ$) on output**
- **Lubrication: greased for life**
(Shell Gadus S2 V220AD 2 grease)
- **Guarantee: 13 months**
- **Tolerances: ground shafts h7, Ra 0.8**
- **Lubrication temperature :**
max operating 60°C
- **Cooling may be needed dependent**
on application



BLHM series



ADMISSIBLE LOADS

Part number	Distance 'X' (mm)	Radial load (N)	Axial load (N)
BLHM20	6	10	5
BLHM30	10	30	20
BLHM40	12	60	50
BLHM50	20	200	100
BLHM60	25	300	150
BLHM70	30	500	200

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