

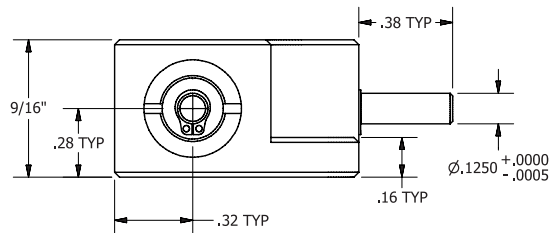
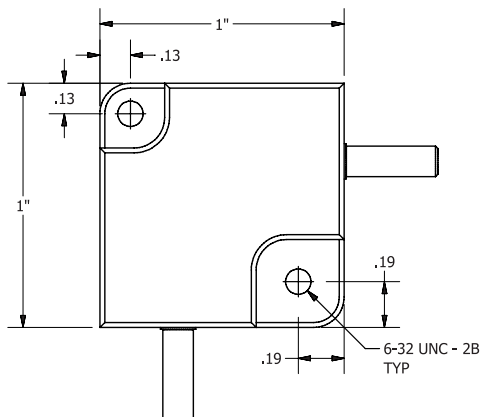
BGH16

GEARBOXES

1:1 Gearboxes

Uniquely rated so you can balance Torque to RPM to Life

BGH16



BGH16-1 + BGH16-1A (Low Backlash)

LIFETIME (hrs) as a FUNCTION of RPM & TORQUE						
Torque	RPM					
In-oz	50	100	200	500	1000	2000
4	20,000	20,000	20,000	20,000	20,000	11,700
4.5	20,000	20,000	20,000	9,100	4,000	1,700
5	20,000	9,500	4,500	1,650	790	370
5.5	9,500	4,700	2,300	880	420	190
6	5,250	2,500	1,250	480	230	100
6.5	3,100	1,500	750	280	130	60
7	940	940	450	170	80	40

2,000 RPM Maximum
Standard Backlash of 1°

Torque from 4 to 7 inch*ounces

Application rated for optimum operation and cost

You can balance Torque to RPM and Operating Life

Backlash 1°

Low Backlash 1/2°

Weight of only 0.07 lb.

RPM to 2,000

Temp range -5° F to +175° F, optional to -40° F

Made in USA with American CNC machines

Materials

416 Stainless Steel Shafts

Anodized Aluminum Housing

Sealed Steel Ball Bearings

Greased for life: Shell Alvania EP2. Cold temp. grease optional

Additional Information

Calculations are based on an application factor of 1.25. They apply to a medium impact drive turning a uniform load or a uniform drive turning a moderate impact load. Life Time figures shown are for guidance only.

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

Exclusive 24 Month Warranty!

See our website for CAD files

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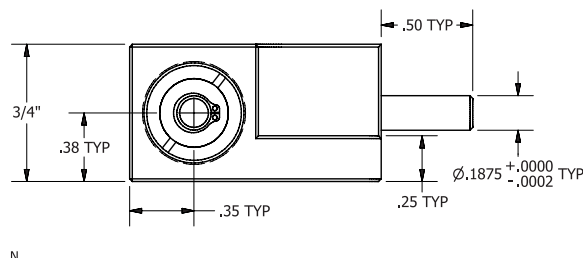
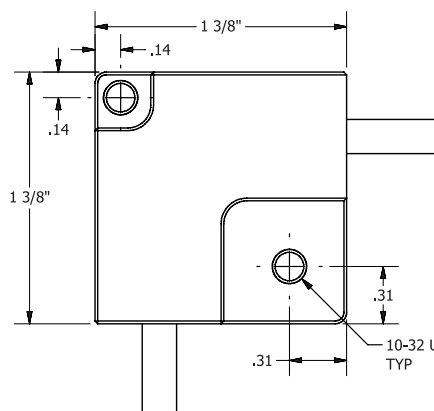
BGH19

GEARBOXES

BGH19

1:1 Gearboxes

Uniquely rated so you can balance Torque to RPM to Life



BGH19-1 + BGH19-1A (Low Backlash)

LIFETIME (hrs) as a FUNCTION of RPM & TORQUE						
Torque In-oz	RPM					
	50	100	200	500	1000	2000
17	20,000	20,000	20,000	20,000	20,000	10,000
18	20,000	20,000	20,000	20,000	11,000	4,500
19	20,000	20,000	20,000	10,000	4,500	1,900
20	20,000	20,000	12,000	4,500	2,000	800
21	20,000	10,000	5,500	1,900	900	400
22	14,000	7,000	3,300	1,300	620	280
23	10,500	5,000	2,500	950	450	220

2,000 RPM Maximum
Standard Backlash of 1°

Additional Information

Calculations are based on an application factor of 1.25. They apply to a medium impact drive turning a uniform load or a uniform drive turning a moderate impact load. Life Time figures shown are for guidance only. Testing in your application is required. You will need to assess duty cycles and confirm suitability with your own calculations.

Torque from 17 to 23 inch*ounces

Application rated for optimum operation and cost
You can balance Torque to RPM and Operating Life
Backlash 1°

Low Backlash 1/2°

Weight of only 0.16 lb.

RPM to 2000

Temp range -5° F to +175° F, -40° F grease optional

Made in USA with American CNC machines

Materials

303 Stainless Steel Shafts
Anodized Aluminum Housing
Sealed Steel Ball Bearings
Greased for life: Shell Alvania EP2. Cold temp. grease optional

Exclusive 24 Month Warranty!

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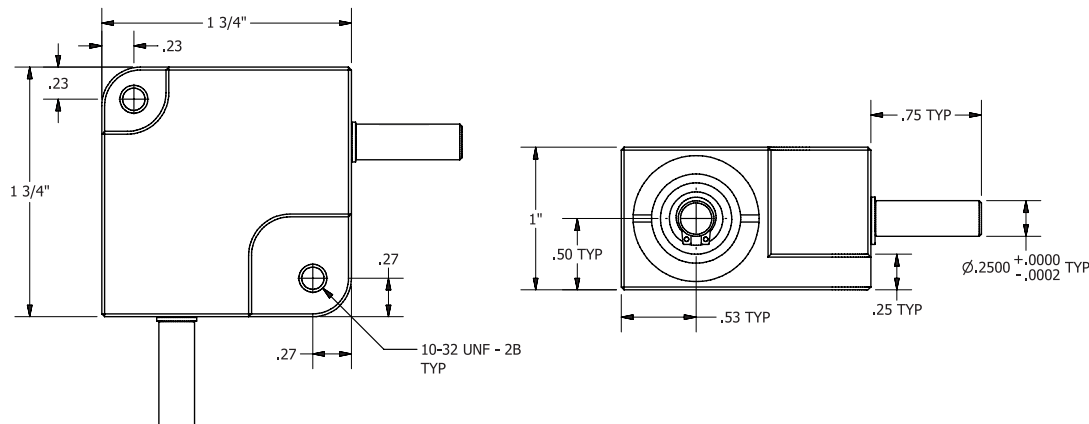
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BGH24

GEARBOXES

1:1 Gearboxes

Uniquely rated so you can balance Torque to RPM to Life

BGH24

BGH24-1 + BGH24-1A (Low Backlash)

LIFETIME (hrs) as a FUNCTION of RPM & TORQUE						
Torque	RPM					
In-lb	50	100	200	500	1000	2000
6	20,000	20,000	20,000	20,000	20,000	20,000
7	20,000	20,000	20,000	20,000	20,000	16,000
8	20,000	20,000	20,000	10,500	4,500	1,800
9	20,000	10,000	4,600	1,650	750	340
10	9,100	4,500	2,150	810	480	175
11	4,900	2,400	1,200	430	200	90
12	2,700	1,330	640	240	110	50

2,000 RPM Maximum
Standard Backlash of 1°

Additional Information

Calculations are based on an application factor of 1.25. They apply to a medium impact drive turning a uniform load or a uniform drive turning a moderate impact load. Life Time figures shown are for guidance only. Testing in your application is required. You will need to assess duty cycles and confirm suitability with your own calculations.

Torque from 6 to 19 inch*ounds

Application rated for optimum operation and cost
You can balance Torque to RPM and Operating Life
Backlash 1°

Low Backlash 1/2°

Weight of only 0.46 lb.

RPM to 3,000

Temp range -5° F to +175° F, -40° F grease optional

Made in USA with American CNC machines Materials

303 Stainless Steel Shafts

Anodized Aluminum Housing

Sealed Steel Ball Bearings

Greased for life: Shell Alvania EP2. Cold temp. grease optional

Exclusive 24 Month Warranty!

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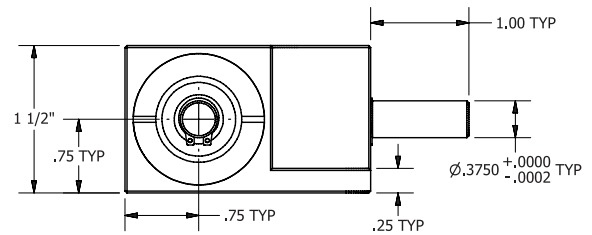
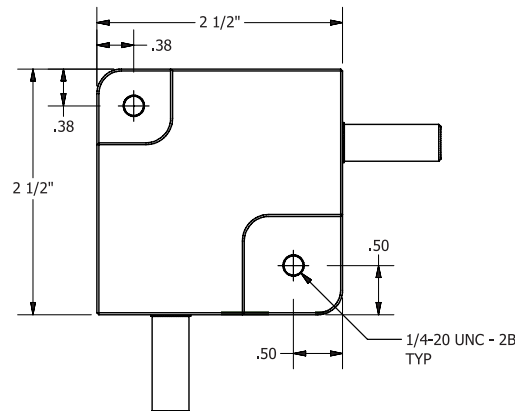
BGH31

GEARBOXES

BGH31

1:1 Gearboxes

Uniquely rated so you can balance Torque to RPM to Life



BGH31-1 + BGH31-1A (Low Backlash)

LIFETIME (hrs) as a FUNCTION of RPM & TORQUE						
Torque	RPM					
In-lb	50	100	200	500	1000	2000
13	20,000	20,000	20,000	20,000	20,000	20,000
14	20,000	20,000	20,000	20,000	19,000	7,500
15	20,000	20,000	20,000	15,000	6,200	2,450
16	20,000	20,000	15,500	5,300	2,200	850
17	20,000	12,500	5,800	1,950	825	375
18	13,800	6,750	3,100	1,200	560	250
19	9,600	4,700	2,280	850	395	180
20	6,900	3,300	1,620	600	280	125

2,000 RPM Maximum
Standard Backlash of 1°

Additional Information

Calculations are based on an application factor of 1.25. They apply to a medium impact drive turning a uniform load or a uniform drive turning a moderate impact load. Life Time figures shown are for guidance only. Testing in your application is required. You will need to assess duty cycles and confirm suitability with your own calculations.

BGSH31-1 + BGSH31-1A (Low Backlash)

LIFETIME (hrs) as a FUNCTION of RPM & TORQUE							
Torque	RPM						
In-lb	50	100	200	500	1000	2000	3000
25	20,000	20,000	20,000	20,000	20,000	20,000	20,000
26	20,000	20,000	20,000	20,000	20,000	20,000	12,000
27	20,000	20,000	20,000	20,000	20,000	12,000	6,700
28	20,000	20,000	20,000	20,000	17,600	6,800	3,700
29	20,000	20,000	20,000	20,000	10,000	3,800	2,100
30	20,000	20,000	20,000	14,000	5,800	2,200	1,200
31	20,000	20,000	20,000	8,200	3,300	1,250	700
32	20,000	20,000	15,000	4,900	2,000	760	340

3,000 RPM Maximum
Standard Backlash of 1° 1/2° Backlash Available

Torque from 13 to 32 inch*pounds

Application rated for optimum operation and cost

You can balance Torque to RPM and Operating Life

Backlash 1°

Low Backlash 1/2°

Weight of only 1.35 lb.

RPM to 3,000

Temp range -5° F to +175° F, -40° F grease optional

Made in USA with American CNC machines

Materials

303 Stainless Steel Shafts

Anodized Aluminum Housing

Sealed Steel Ball Bearings

Greased for life: Shell Alvania EP2. Cold temp. grease optional

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