

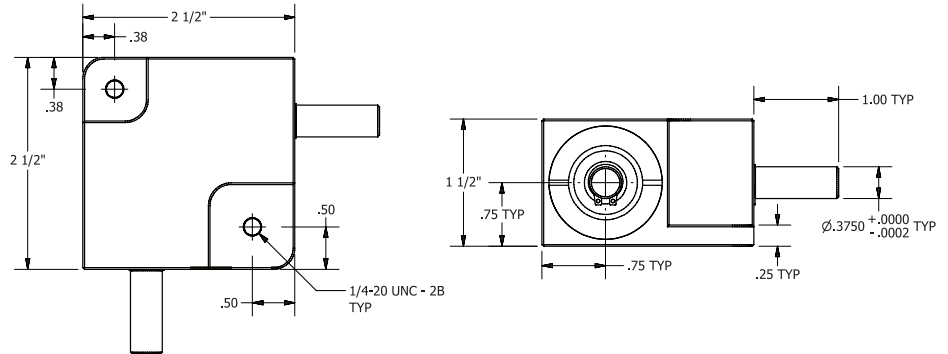
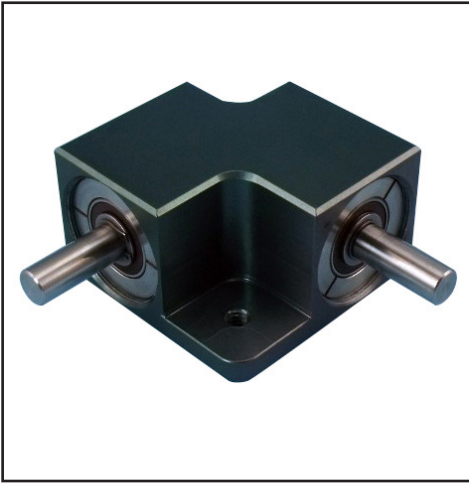
BG31

GEARBOXES

BG31

1:1 Gearboxes

Uniquely rated so you can balance Torque to RPM to Life



BGH31-1

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°, with option of 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

Exclusive 24 Month Warranty!

See our website for CAD files

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