

**BG
BGC**

COUPLINGS

Oldham Couplings

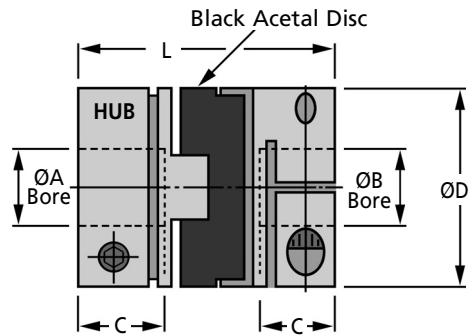
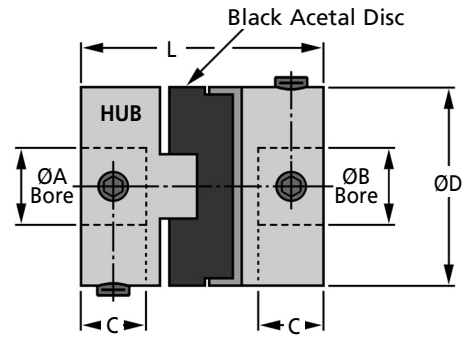
Lateral Offset Couplers : 0.7 - 44Nm, 2 - 30mm Bores



BG Type Set Screw Fixing



BGC Type Clamp Fixing



Size	*Max. Parallel Offset	Max. Axial Play	Torsional Rate deg/Nm	Stiffness Nm/rad
BG6	±0.10	±0.05	5.700	10
BG9	±0.10	±0.05	1.900	30
BG13	±0.10	±0.05	0.880	65
BG19/BGC19	±0.20	±0.10	0.500	115
BG25/BGC25	±0.20	±0.10	0.280	205
BG33/BGC33	±0.20	±0.15	0.093	605
BG41/BGC41	±0.25	±0.15	0.048	1200
BG50/BGC50	±0.25	±0.20	0.042	1375
BG57/BGC57	±0.25	±0.20	0.022	2610

SERVICE FACTOR

Peak torque select where figure is greater than application torque x service factor.
*Can provide up to ± (ØD x 0.1) in Extreme cases

Duty	Factor
Momentary	1
1 hr per day	2
3 hrs per day	4
6 hrs per day	6
12 hrs per day	8

Discounts: 6+ -12% 20+ -25% 40+ -33% 60+ -37% 100+ -42%

Part Number	Max. Bore Ø	ØD	L	C	Screw Size	Stat. Break Torque Nm	Peak Torque Nm	Weight g	Moment of Inertia kgm ² x 10 ⁻⁸	ØA & ØB Stock Bores Available	Price Each 1 - 5
SET SCREW FIXING											
BG6	3.18	6.40	12.70	3.80	M3	0.7	0.06	2.5	6	Ø2,3	£21.00
BG9	5.00	9.50	12.70	3.80	M3	2	0.21	4	18	Ø3,4,5	£21.00
BG13	6.35	12.70	15.90	4.30	M3	4	0.50	11	26	Ø3,4,6,6,35	£21.18
BG19	8.00	19.10	22.00	6.30	M3	10	1.70	12	67	Ø4,5,6,6,35,8	£23.48
BG25	12.00	25.40	28.40	8.60	M4	13	4.00	31	252	Ø6,6.35,7.94,8,9.53,10,12	£28.17
BG33	16.00	33.30	48.00	13.00	M4	53	9.00	86	1278	Ø8,9.53,10,12,14,15,16	£38.06
BG41	20.00	41.30	50.80	16.70	M5	57	17.00	148	3327	Ø9.53,10,12,14,16,18,19,20	£43.69
BG50	25.40	50.00	59.60	20.60	M8	95	30.00	208	7550	Ø9.53,12,14,15,19,20,25	£135.87
BG57	30.00	57.10	78.00	28.40	M8	150	44.00	361	12410	Ø12,14,16,19,20,25,30	£150.76
CLAMP FIXING											
BGC19	8.00	19.10	22.00	6.30	SPCL4.90	10	1.70	12	59	Ø4, 4.76, 6, 6.35, 8	£23.48
BGC25	12.00	25.40	28.40	8.60	M3	13	4.00	31	252	Ø6,6.35,8,9.53,10,12	£28.15
BGC33	16.00	33.30	48.00	13.00	M3	53	9.00	86	1133	Ø8,9.53,10,12,14,15,16	£45.04
BGC41	20.00	41.30	50.80	16.70	M4	57	17.00	148	3177	Ø9.53,12,14,16,18,19,20	£52.74
BGC50	25.40	50.00	59.60	20.60	M5	95	30.00	208	7550	Ø9.53,12,14,15,19,20,25	£143.15
BGC57	30.00	57.10	78.00	28.40	M6	150	44.00	361	12410	Ø12,14,16,19,20,25,30	£153.88

Material Hubs (BG6-13): Brass CZ 121. Chromate & passivate finish.
Hubs (sizes 19-57): Aluminium Alloy 2011 T3/T8 Iridite NCPTM. Disc: Black Acetal.

Performance Max Speed: 3000 Rpm Max Angular Offset: ±0.5° (at 3000 Rpm) Operating Temp. Range: -20°C to +60°C

Extras Boring Out: upto 25mm £4.84 per end, 26mm-49mm £11.70 per end. Add bore size required to end of part number eg. BG6-2/3 (bored Ø2mm & Ø3mm).
Pin Hole: Any Size £4.84 each. Tapped Holes: upto M8 incl. £7.17 each, over M8 £11.39 each. Keyways: Available but of the x-y design with through bores not blind bores.

Other Info. Backlash Free. Parallel out of line compensation. Lubrication free. Compact and Detachable. Angular, parallel and axial flexibility. Isolates vibration and absorbs shock. No Corrosion. Non-Magnetic. Low Inertia. Resonance. Dampening. Electrical isolation between shafts >3kw. Price of Torque Disc only is 1/4 of Standard Price.

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Product information updated 1st April 2011 and subject to change. Please contact Sales for the latest prices and availability.