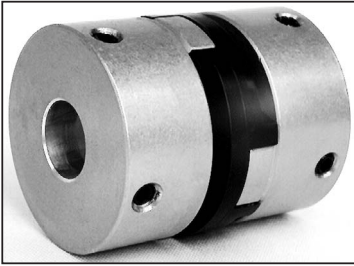


500

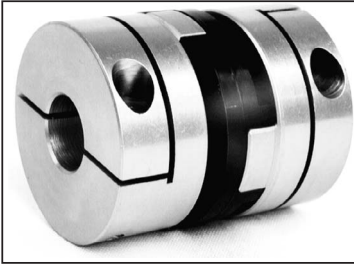
COUPLINGS

Oldham Couplings - Metric Bores

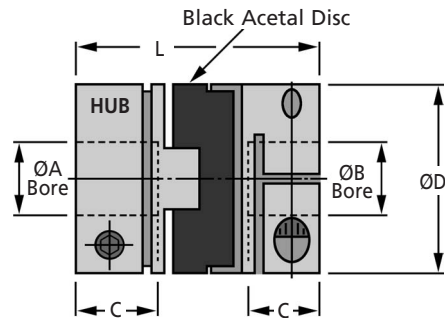
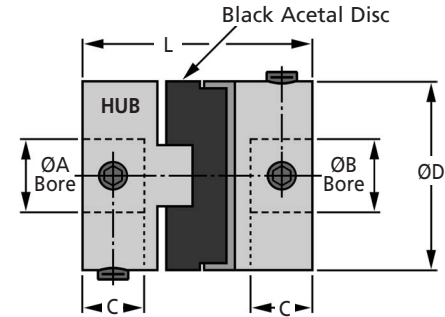
Lateral Offset Couplers *Backlash Free*



Set Screw Fixing



Clamp Fixing



Max Torque & Offsets

Size	*Max. Parallel Offset	Max. Axial Play	Torsional Rate deg/Nm	Stiffness Nm/rad
500.06	±0.10	±0.05	5.700	10
500.09	±0.10	±0.05	1.900	30
500.13	±0.10	±0.05	0.880	65
500.19 / 503.19	±0.20	±0.10	0.500	115
500.25 / 502.25	±0.20	±0.10	0.280	205
504.33 / 506.33	±0.20	±0.15	0.093	605
500.41 / 502.41	±0.25	±0.15	0.048	1200
514H50 / 516H50	±0.25	±0.20	0.042	1375
514H57 / 516H57	±0.25	±0.20	0.022	2610

SERVICE FACTOR

Peak torque select where figure is greater than application torque x service factor.

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

*Can provide up to ± (ØD x 0.1) in Extreme cases

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 ^{+0.03} _{-0.00}
SET SCREW FIXING										
500.06	3.18	6.40	12.70	3.80	M3	0.7	0.06	2.5	6	2, 3
500.09	5.00	9.50	12.70	3.80	M3	2	0.21	4	18	3, 4, 5
500.13	6.35	12.70	15.90	4.30	M3	4	0.50	11	26	3, 4, 6, 6.35
500.19	8.00	19.10	22.00	6.30	M3	10	1.70	12	67	4, 5, 6, 6.35, 8
500.25	12.00	25.40	28.40	8.60	M4	13	4.00	31	252	6, 6.35, 7.94, 8, 9.53, 10, 12
504.33	16.00	33.30	48.00	13.00	M4	53	9.00	86	1278	8, 9.53, 10, 12, 14, 15, 16
500.41	20.00	41.30	50.80	16.70	M5	57	17.00	148	3327	9.53, 10, 12, 14, 16, 18, 19, 20
514H50	25.40	50.00	59.60	20.60	M8	95	30.00	208	7550	9.53, 12, 14, 15, 19, 20, 25
514H57	30.00	57.10	78.00	28.40	M8	150	44.00	361	12410	12, 14, 16, 19, 20, 25, 30
CLAMP FIXING										
503.19	8.00	19.10	22.00	6.30	SPCL4.90	10	1.70	12	59	4, 4.76, 6, 6.35, 8
502.25	12.00	25.40	28.40	8.60	M3	13	4.00	31	252	6, 6.35, 8, 9.53, 10, 12
506.33	16.00	33.30	48.00	13.00	M3	53	9.00	86	1133	8, 9.53, 10, 12, 14, 15, 16
502.41	20.00	41.30	50.80	16.70	M4	57	17.00	148	3177	9.53, 12, 14, 16, 18, 19, 20
516.H50	25.40	50.00	59.60	20.60	M5	95	30.00	208	7550	9.53, 12, 14, 15, 19, 20, 25
516H57	30.00	57.10	78.00	28.40	M6	150	44.00	361	12410	12, 14, 16, 19, 20, 25, 30

Material Hubs (Sizes 6-13): Brass CZ 121. Chromate & passivate finish.

Hubs (Sizes 19-57): Aluminium Alloy 2011 T8. Alocrom finish. **Disc:** Black Acetal.

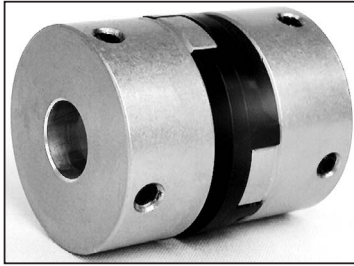
Performance Max Speed: 3000 Rpm Max Angular Offset: ±0.5° (at 3000 Rpm)
Operating Temp. Range: -20°C to +60°C

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. Boring out service available at extra cost. Add bore size required to end of part number eg. **500.06-2/3** (bored Ø2mm & Ø3mm).

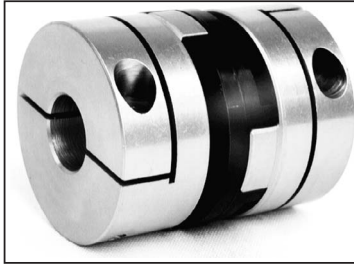
COUPLINGS

Oldham Couplings - Inch Bores Lateral Offset Couplers *Backlash Free*

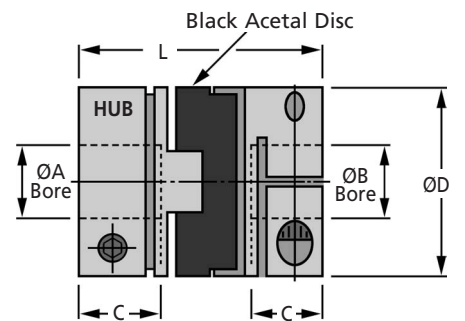
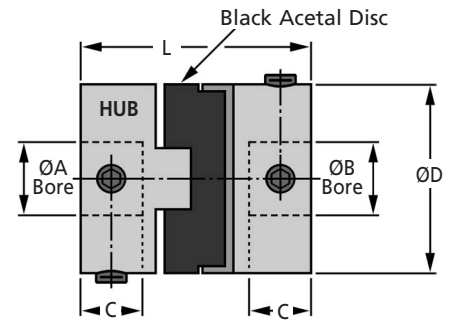
500



Set Screw Fixing



BGC Type Clamp Fixing



Max Torque & Offsets

Size	*Max. Parallel Offset	Max. Axial Play	Torsional Rate deg/Nm	Stiffness Nm/rad
500.06	±0.10	±0.05	5.700	10
500.09	±0.10	±0.05	1.900	30
500.13	±0.10	±0.05	0.880	65
500.19 / 503.19	±0.20	±0.10	0.500	115
500.25 / 502.25	±0.20	±0.10	0.280	205
504.33 / 506.33	±0.20	±0.15	0.093	605
500.41 / 502.41	±0.25	±0.15	0.048	1200
514H50 / 516H50	±0.25	±0.20	0.042	1375
514H57 / 516H57	±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
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6 hrs per day	6
12 hrs per day	8

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
SET SCREW FIXING										
500.06	3.18	6.40	12.70	3.80	M3	0.7	0.06	2.5	6	1/8"
500.09	5.00	9.50	12.70	3.80	M3	2	0.21	4	18	1/8", 3/16"
500.13	6.35	12.70	15.90	4.30	M3	4	0.50	11	26	1/8", 3/16", 1/4"
500.19	8.00	19.10	22.00	6.30	M3	10	1.70	12	67	3/16", 1/4", 5/16"
500.25	12.00	25.40	28.40	8.60	M4	13	4.00	31	252	1/4", 5/16", 3/8"
504.33	16.00	33.30	48.00	13.00	M4	53	9.00	86	1278	5/16", 3/8", 1/2", 5/8"
500.41	20.00	41.30	50.80	16.70	M5	57	17.00	148	3327	3/8", 1/2", 5/8", 3/4"
514H50	25.40	50.00	59.60	20.60	M8	95	30.00	208	7550	3/8", 1/2", 5/8", 3/4", 1"
514H57	30.00	57.10	78.00	28.40	M8	150	44.00	361	12410	1/2", 5/8", 3/4", 1", 1-18"
CLAMP FIXING										
503.19	8.00	19.10	22.00	6.30	SPCL4.90	10	1.70	12	59	3/16", 1/4", 5/16"
502.25	12.00	25.40	28.40	8.60	M3	13	4.00	31	252	1/4", 5/16", 3/8"
506.33	16.00	33.30	48.00	13.00	M3	53	9.00	86	1133	5/16", 3/8", 1/2", 5/8"
502.41	20.00	41.30	50.80	16.70	M4	57	17.00	148	3177	3/8", 1/2", 5/8", 3/4"
516.H50	25.40	50.00	59.60	20.60	M5	95	30.00	208	7550	3/8", 1/2", 5/8", 3/4", 1"
516H57	30.00	57.10	78.00	28.40	M6	150	44.00	361	12410	1/2", 5/8", 3/4", 1", 1-18"

Material Hubs (Sizes 6-13): Brass CZ 121. Chromate & passivate finish.

Hubs (Sizes 19-57): Aluminium Alloy 2011 T8. Alocrom finish. **Disc:** Black Acetal.

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

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. Boring out service available at extra cost. Add bore size required to end of part number eg. 500.09-1/8/3/16 (bored 1/8" & 3/16").



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