



Couplings

Oldham Couplings - Inch Bores

Lateral Offset Couplers - Backlash Free

Material

Hubs (sizes 6-13)

Brass CZ 121
Chromate &
passivate finish

Hubs (sizes 19-57):

Alum. 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.

Metric and inch bores can be mixed

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

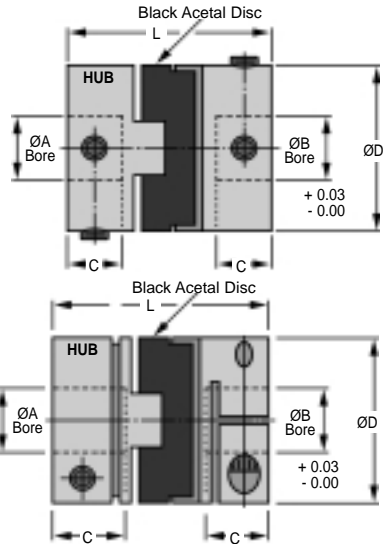
Electrical isolation between shafts >3Kv

Other bore sizes available. Please ask for a quote

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

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

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

*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 kgm² x 10³	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", 1-1/8"
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"
516H50	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", 1-1/8"



Mechanical Components Inc.

Phone: 516-867-5665 Toll Free: 1-888-260-RINO Fax: 516-867-5656



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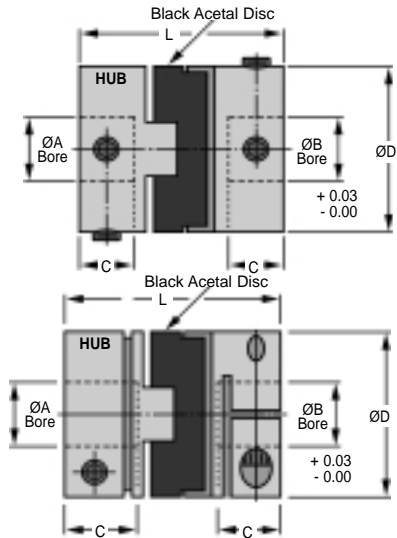
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500.41	20.00	41.30	50.80	16.70	M5	57	17.00	148	3327	10, 12, 14, 15, 16, 18, 19, 20
514H50	25.40	50.00	59.60	20.60	M8	95	30.00	208	7550	10, 12, 14, 15, 16, 18, 19, 20, 24, 25
514H57	30.00	57.10	78.00	28.40	M8	150	44.00	361	12410	12, 14, 15, 16, 18, 19, 20, 24, 25, 30
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