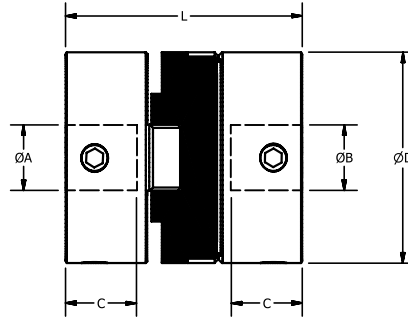


500
514

COUPLINGS

500
514

Standard Oldham Zero Backlash Aluminum Hubs - Set Screw Style



Standard Coupler

Backlash-free up to 10⁸ turns
25%+ increased Torque option
Large misalignment capability

Std. Coupling	Peak Torque lb.in	Static Break Torque lb.in	ØD	Ang. Offset ± deg.	Max Radial Offset ± in.	Mass lb.*	Moment of inertia lb.in ² x 10 ⁻⁵ *	Set Scr.	L	C	ØH	Max Bore
500.06	0.5	6	0.25	1	0.008	0.006	27	M3	0.5	0.15	0.25	1/8"
500.09	1.8	18	0.38	1	0.008	0.009	60	M3	0.5	0.15	0.38	5mm
514H13	4.4	35	0.50	1.5	0.008	0.024	90	M3	0.63	0.17	0.50	1/4"
514H19	15	71	0.75	1.5	0.016	0.029	200	M5	1.02	0.37	0.75	8mm
514H25	35	115	1.00	3	0.016	0.068	860	M5	1.28	0.46	1.00	1/2"
514H33	80	465	1.31	3	0.016	0.148	3870	M6	1.65	0.59	1.31	16mm
514H41	150	500	1.63	3	0.020	0.313	10850	M6	2.00	0.70	1.63	20mm
514H50	265	840	1.97	3	0.020	0.459	25780	M8	2.35	0.81	1.97	1"
514H57	390	1325	2.25	3	0.020	0.796	42370	M8	3.07	1.12	2.25	30mm

Size	Available Bores																											
	Inch														Metric													
	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1"	1-1/8	2	3	4	5	6	8	9	10	12	14	15	16	20	24	25	30	
06	.											.	.															
09	.	.										.	.	.	.
13	.	.	.									.	.	.	.
19	.	.	.	.								.	.	.	.	.
25			.	.	.	.										.	.	.	.	.
33			.	.	.	.	.									.	.	.	.	.	.	.	.	.	.	.	.
41			.	.	.	.	.	.								.	.	.	.	.	.	.	.	.	.	.	.
50			.	.	.	.	.	.	.							.	.	.	.	.	.	.	.	.	.	.	.
57			.	.	.	.	.	.	.	.						.	.	.	.	.	.	.	.	.	.	.	.
Code	16	19	24	27	31	36	41	47	50	53	55	11	14	18	20	22	28	30	32	35	38	40	42	48	51	52	56	

Coupling Part Number

Consists of base number plus two bore codes
 Add required bore codes to end of part number
 eg, 516H25.2431 (bored 1/4" x 3/8")

Materials

Hubs (size 06-13): Brass (blind bores .15 deep)
 Hubs (size 19-57): Aluminum 2011 T8
 Fasteners: Alloy Steel, Black Oiled
 Disc: Acetal (Black)

Performance

Max speed: 3000 RPM, Max Angular Offset (@ 3000 RPM)
 Operating temperature range -20 to +60 deg.C

Additional Info

Backlash Free. Parallel out of line compensation.
 Lubrication free. Compact and detachable. Angular, radial 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. Keyways available in 7mm and larger bore sizes.

*Mass and Moment of Inertia for High Torque couplings is slightly higher.

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 a size where Peak Torque exceeds the application torque x service factor