

864HT

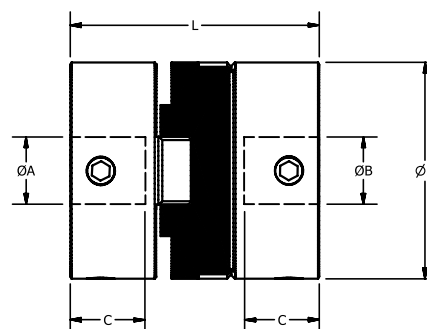
COUPLINGS

864HT

Hi-Torque Oldham Zero Backlash

Stainless Steel Hubs - Set Screw Style

25% Stronger than Standard Oldhams



Set Screw Style

Backlash-free up to 10^8 turns
25%+ increased Torque option
Large misalignment capability

Slight torsional damping
Electrically isolating
Low inertia

Part Number	Max Bore ØB	ØD	L	C	Cap Scr.	Ang. Offset ± deg.	Max Radial Offset + in.	Static Break Torque lb.in	Mass lb.	Peak Torque Lb.In.	Moment of inertia lb.in ² x 10 ⁻⁵ *
High Torque											
Set Screw											
864HT19	8mm	0.83	1.02	0.37	M4	3	0.016	89	0.101	19	770
864HT25	12mm	1.08	1.28	0.46	M5	3	0.016	145	0.171	44	2063
864HT33	16mm	1.39	1.65	0.60	M6	3	0.016	580	0.320	100	6605
864HT41	20mm	1.70	2.00	0.70	M6	3	0.020	625	0.659	190	23078
864HT50	1"	2.05	2.35	0.81	M8	3	0.020	1050	1.154	330	61690

Size	Available Bores																				
	Inch									Metric											
	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1"	3	4	5	6	8	9	10	12	14	15	16	20
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CODE	19	24	27	31	36	41	47	50	53	14	18	20	22	28	30	32	35	38	40	42	48

Coupling Part Number

Consists of base number plus two bore codes
Add required bore codes to end of part number
eg, 864.25.2431 (bored 1/4" x 3/8")

Materials

Hubs: Stainless Steel 303

Fasteners: Stainless Steel 18-8

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 ab-sorbs 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

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866HT

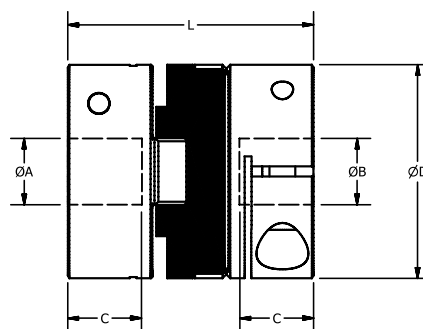
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