

516HT

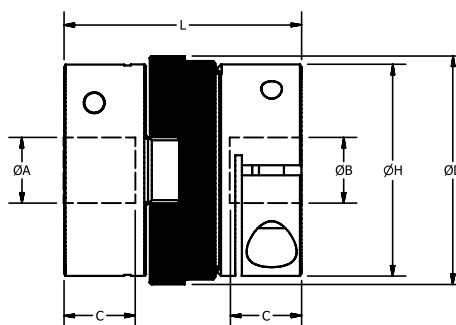
COUPLINGS

516HT

Hi-Torque Oldham Zero Backlash

Aluminum Hubs - Clamp Style

25% Stronger than Standard Oldhams



High Torque Coupler

Slight torsional damping

Electrically isolating

Low inertia

Hi Torq 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 *	Cap Scr.	L	C	ØH	Max Bore
Part Number												
516HT19	19	89	0.83	1.5	0.016	0.029	200	M2.5	1.02	0.28	0.79	8mm
516HT25	44	145	1.08	3	0.016	0.068	860	M3	1.28	0.46	1.00	12mm
516HT33	100	580	1.39	3	0.016	0.148	3870	M4	1.65	0.59	1.31	16mm
516HT41	190	625	1.70	3	0.020	0.313	10850	M4	2.00	0.70	1.63	20mm
516HT50	330	1050	2.05	3	0.020	0.459	25780	M5	2.35	0.81	1.97	1"
516HT57	490	1650	2.33	3	0.020	0.796	42370	M6	3.07	1.12	2.25	30mm

Size	Available Bores																			
	Inch										Metric									
	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1	1-1/8	4	5	6	8	9	10	12	14	15	16
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57					.	.	.	.	.	.				.	.	.	.	.	.	.
Code	19	24	27	31	36	41	47	50	53	55	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 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

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