



Orbital Flex™ Design

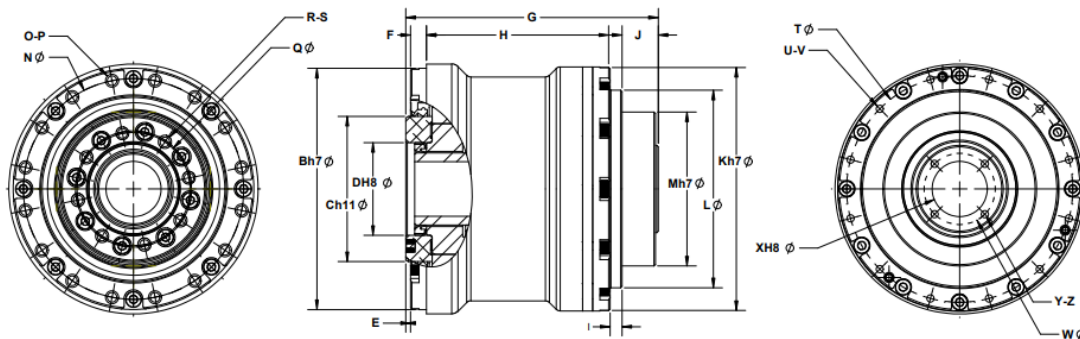
ML2000



KEY FEATURES

- Zero Backlash
- High Torque
- High Torsional Rigidity
- Linear Torsional Stiffness
- Cross Roller Output Bearing

	ML2000-75-50 OD 75, Ratio-50:1	ML2000-86-60 OD 86, Ratio-60:1	ML2000-97-70 OD 97, Ratio-70:1
	Available	Available	Available
Rated Output Torque	15 Nm	45 Nm	75 Nm
Repeatable Peak Output Torque*	40 Nm	75 Nm	120 Nm
Rated Input Speed*	2000 RPM	2000 RPM	2000 RPM
Repeatable Peak Input Speed*	4000 RPM	4000 RPM	4000 RPM
Efficiency*	65%	64%	65%
Backlash**	0 Arcsec	0 Arcsec	0 Arcsec
Torsional Stiffness	3.5 Nm/Arcmin	7 Nm/Arcmin	24 Nm/Arcmin
Positional Accuracy (one-Way)	3 Arcmin	2 Arcmin	2 Arcmin
Mass	1200 g	1500 g	1950 g
Noise***	<70 dB	<70 dB	<70 dB
* Under defined conditions ** Measured at less than 18 Arcsec *** Noise at rated speed in ambient room			



ML2000 -	A	B _{h7}	C _{h11}	D _{H8}	E	F	G	H	I	J	K _{h7}	L _{h7}	M	N	O		P	Q	R		S	T	U	V	W	X _{H8}	Y	Z
75	75	73		23		5.5	81	64.5	3	10	75	60	47.5	65.5	M4x0.7	φ4.5x13.5	16	30	M3x0.5	φ3.5x10.5	8	69.4	M3x0.5	12	20	14	M3x0.5	4
86	86	83	50	32	1.6	5.5	87.1	63.37	4.13	12.5	84	68	53	76	M4x0.7	φ4.5x7.5	16	39	M4x7.0	φ4.5x9.1	8	78	M3x0.5	12	24.5	19	M3x0.5	4
97	97	94		32		7	98.84	72.44	4.91	13.5	97	82	62	86	M4x0.7	φ4.5x15.0	16	42.75	M4x7.0	φ4.5x15.0	8	91	M3x0.5	16	25	21	M3x0.5	4

ML2000 gears are completing an extensive testing process to determine both gear degradation and gear life. To date, testing efforts have shown the ML2000 to maintain key specifications, including zero backlash, for 10,000 hours without any gear failure.