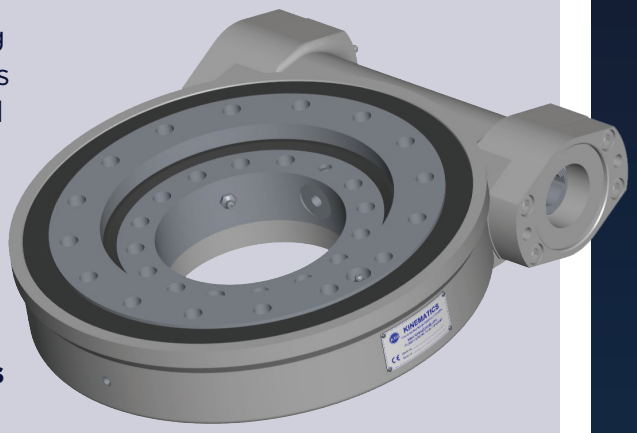
Kinematics Manufacturing

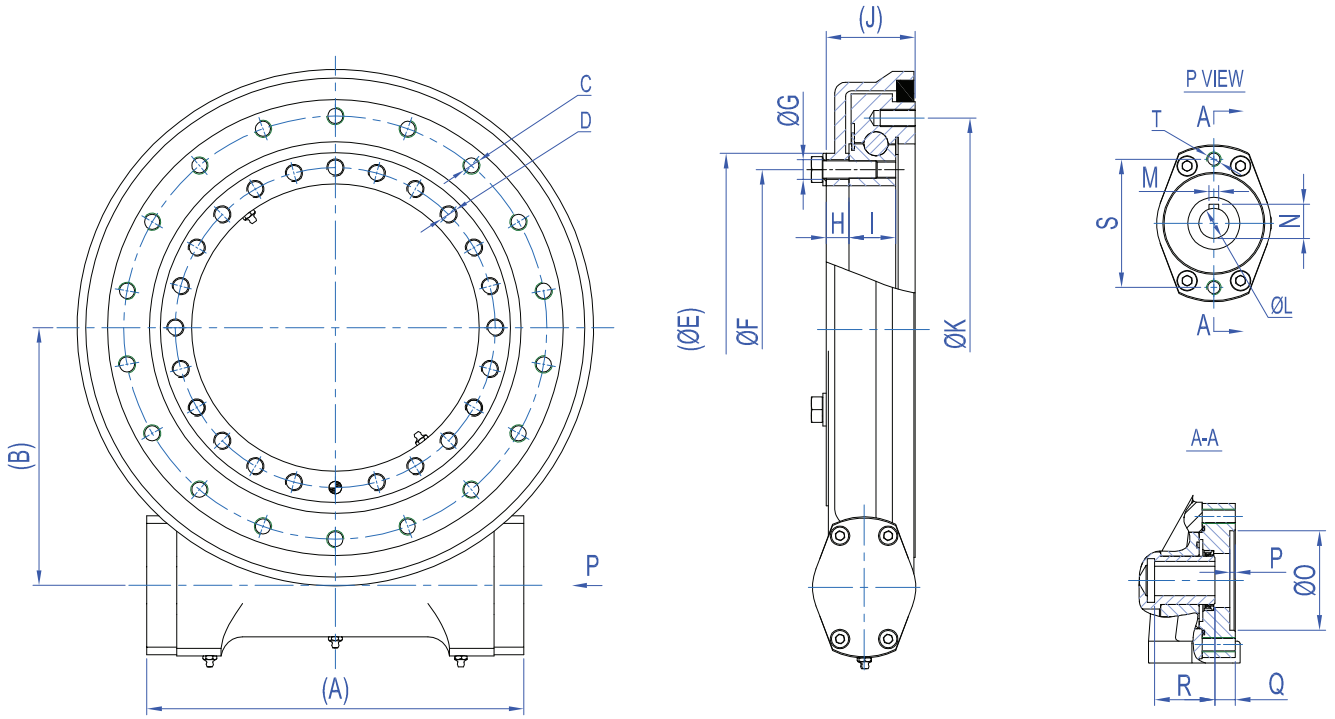
Kinematics Delivers Innovation

Single Axis Lo-Pro LP Series

NEW Kinematics LO-PRO SERIES

The brand new **Kinematics LP Lo-Pro series** slewing drives were designed with one thing in mind: Reduction! Its low profile design has significantly reduced the amount of material over 10% compared to our standard SE or KE series slewing drives. This means more savings for our customers whether its reducing manufacturing costs, reducing overall weight to aid OEMs in their efforts to reach their GVW goals, or reducing shipping costs thanks to lower weights. The KMI Lo-Pro design is currently available in three sizes. **Contact one of our representatives today to see how our products fit into your application!**



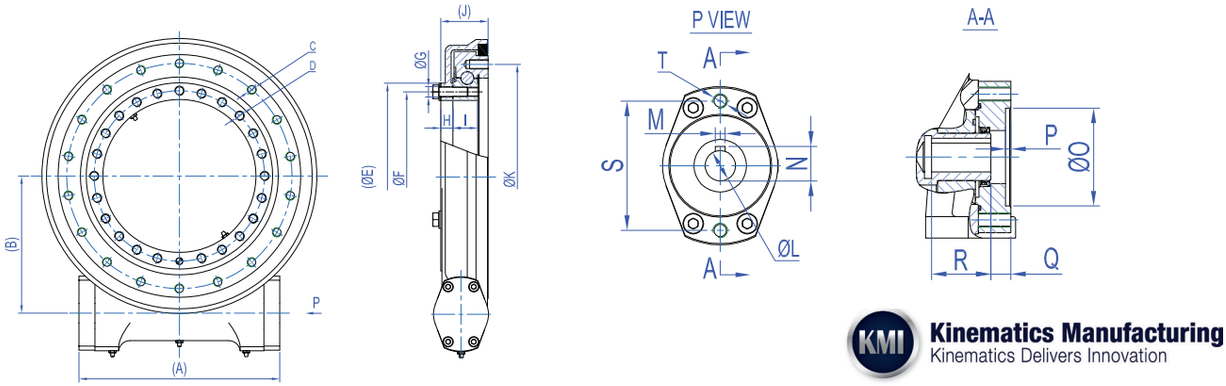


Mounting Dimension Sheet

TYPE		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
LP9	mm	332	174.1	16xM16 EQS	15xM16 Based on 16 EQS	204.0	175	18	21	44	82	270	25	8	28.3	82.5	4.5	21	45	106.4	2xM12 DP. 27.5
	inch	13.07	6.85			8.03	6.89	0.71	0.83	1.73	3.23	10.63	0.98	0.31	1.11	3.25	0.18	0.83	1.77	4.19	
LP14	mm	348	337.6	18xM16 EQS	23xM16 Based on 24 EQS	325	295	18	21	43	82	390	25	8	28.3	82.5	4.5	21	45	106.4	2xM12 DP. 27.5
	inch	13.68	13.29			12.80	11.61	0.71	0.83	1.69	3.23	15.35	0.98	0.31	1.11	3.25	0.18	0.83	1.77	4.19	
LP17	mm	405	280.4	20xM16 EQS	20xM16 Based on 20 EQS	406	365.1	18	21	48	82	479.4	25	8	28.3	82.5	4.5	21	45	106.4	2xM12 DP. 27.5
	inch	15.94	11.04			15.98	14.37	0.71	0.83	1.89	3.23	18.87	0.98	0.31	1.11	3.25	0.18	0.83	1.77	4.19	

Single Axis Lo-Pro LP Series

DATA / TYPE	Slewing Drive Ratio	Efficiency	Nom. Output Torque	Max. Output Torque	Holding Torque	Tilting Moment Torque	Static Radial Rating	Static Axial Rating	Dynamic Radial Rating	Dynamic Axial Rating	Self-locking	Torsion Stiffness	Bending Stiffness	Weight
			N.m	N.m	N.m	N.m	kN	kN	kN	kN	YES	Nm/mRad	Nm/mRad	kg
			ft.lb	ft.lb	ft.lb	ft.lb	lb	lb	lb	lb				
LP9	61	43%	4,480	8,960	39,083	45,000	135.0	337.4	70.9	81.0		1,125	2,378	33.6
			3,304	6,608	28,822	33,186	30,343.5	75,856.5	15,929.3	18,206.6				
LP14	85	43%	6,497	12,994	54,455	67,800	222.0	555.0	116.6	133.2		3,400	9,224	62.0
			4,791	9,583	40,159	50,000	49,905.6	124,764.0	26,200.4	29,943.4				
LP17	102	43%	9,360	18,720	65,633	135,600	390.7	976.8	205.1	234.4		6,400	12,000	86.5
			6,903	13,805	48,402	100,000	87,833.9	219,586.9	46,113.2	52,699.9				



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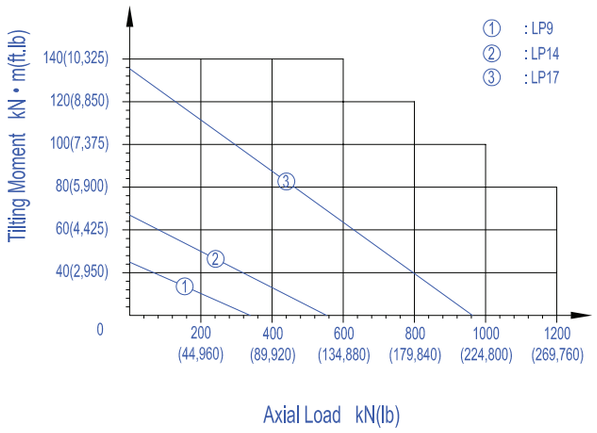
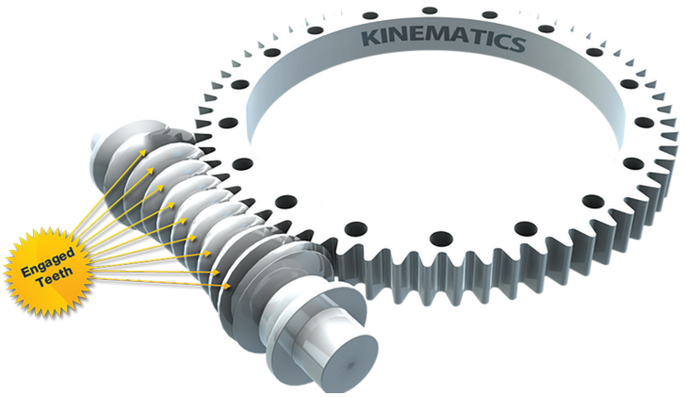
AXIAL LOAD & TILTING MOMENT



Patented Hourglass Design

Withstands four to nine times greater survivability load



Kinematics Manufacturing (KMI) manufacturer of hourglass slewing drives, slewing rings, pinions and right-angle rotators.

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