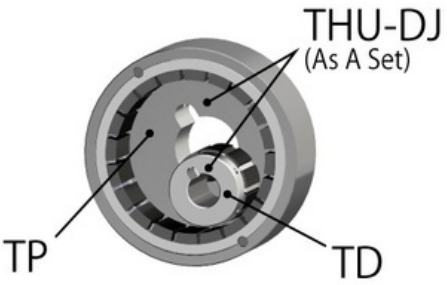
NON-CONTACT CYLINDRICAL MAGNETIC VARIABLE SPEED GEARS

Cylindrical Magnetic Variable Speed Gears

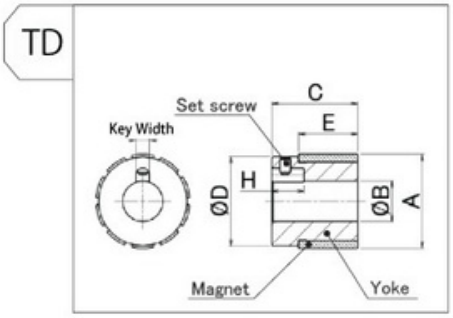
Non-Contact Technology Enables Clean, Quiet, and Safe Power Transmission

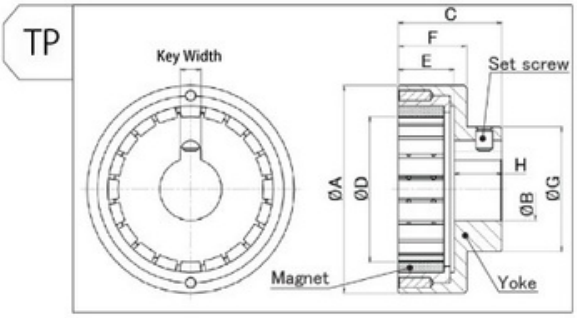
- No particle generation caused by contact surface wear
- Lubrication-free operation
- Barrier transmission enables seal-less structures
- Low noise and vibration through non-contact power transmission
- Easier assembly with high angular and eccentric misalignment tolerance
- Magnetic slip under overload helps improve safety

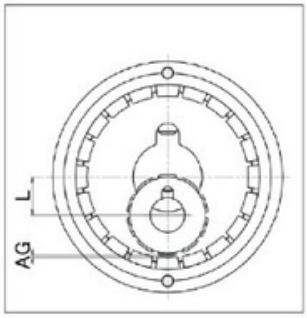


For applications that require variable speed control, Cylindrical Magnetic Variable Speed Gears provide a convenient solution with their cylindrical configuration. In addition to Cylindrical Magnetic Variable Speed Gears, we also offer Disc-Type Magnetic Variable Speed Gears, which feature a disc-shaped configuration for variable speed transmission.

Magnet Material : Neodymium Magnet
Surface Treatment :
Magnets - Electrolytic Ni plating
Yoke - Electroless Ni plating (SC steel)







SC/SO Cylindrical Type / Made-to-Order Item

Model (Set)	Model (Individual)	Dimensions												Maximum transmissible torque (N·m) and Air gap		
		A	B (Dimensions)	B (Tolerance)	C	D	E	F	G	H	Key width (Dimensions)	Key width (Tolerance)	Set screw	L	0.5 mm	1 mm	2 mm
THU-DJ35	TD35-10	35	15	+0.027 0	32	33	22	-	-	12	5	+0.1 0	M4	17.5-AG	2.589	2.197	1.579
	TP100-20	100	30	+0.033 0	50	70	27	33	60	23	10	+0.2 0	M8		5.188	4.393	3.158
THU-DJ55	TD55-12	55	25	+0.033 0	38	52	25	-	-	15	8	+0.2 0	M6	27.5-AG	6.383	5.54	4.423
	TP140-24	140	40	+0.039 0	57	110	30	37	80	27	12		M10		12.726	11.032	8.787

L is the value obtained by subtracting the air gap (AG).

The above product data are values measured under ambient temperature conditions.

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