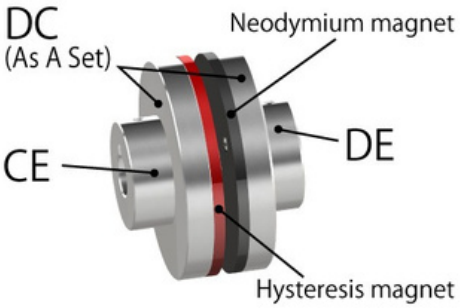
NON-CONTACT SMOOTHSLIP MAGNETIC COUPLING

When the allowable torque is exceeded, it smoothly slips and functions as a torque limiter

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

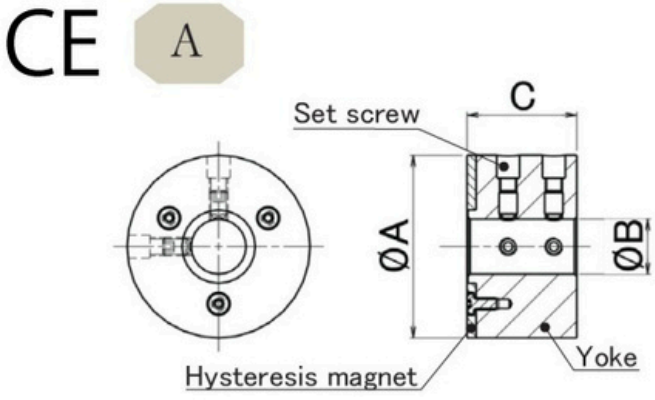
- No particle generation caused by contact surface wear
- Barrier transmission enables seal-less structures
- Low noise and vibration through non-contact power transmission
- Easier assembly with high angular and eccentric misalignment tolerance
- Magnetic slip under overload helps improve safety

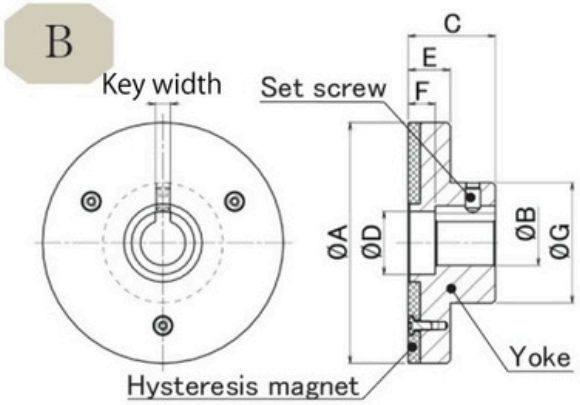


SmoothSlip Magnetic Couplings function as standard couplings when the transmitted torque remains below the allowable limit. When the torque exceeds the allowable limit, they begin to slip and operate as torque limiters. Thanks to a specially engineered magnetic material, they provide smooth and continuous slipping rather than abrupt or jerky motion.

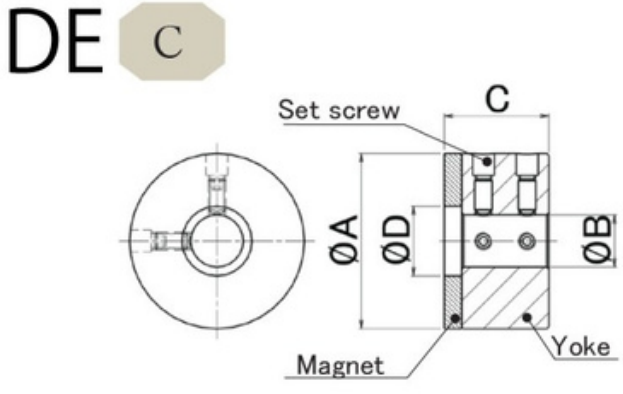
Magnet Material : Neodymium Magnet
Magnet Surface Treatment : Electrolytic Ni plating Yoke
Material (DE) : SC steel
Yoke Surface Treatment (DE) : Electroless Ni plating
Yoke Material (CE) : SUS 300 series

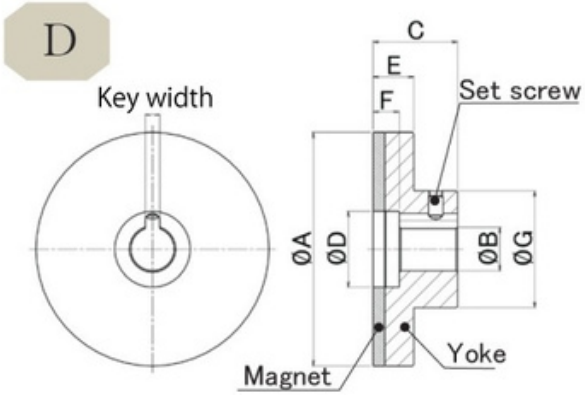
CE





DE





Made-to-Order Item

Model (Set)	Model (Individual)	Reference drawing	Dimensions											Maximum transmissible torque (N·m) and Air gap		
			A	B (Dimensions)	B (Tolerance)	C	D	E	F	G	Key width (Dimensions)	Key width (Tolerance)	Set screw	1 mm	2 mm	3 mm
DC40	CE40	A	40	12	+0.027 0	24	12	-	-	-	-	-	M4	0.118	0.098	0.049
	DE40-08	C	40	12		24	16	-	-	-	-	-	M4			
DC60	CE60	B	60	15		29	21	14	9	40	5	+0.1 0	M5	0.618	0.392	0.226
	DE60-08	D	60	15		29	26	14	9	40	5		M5			
DC80	CE80	B	80	15		29	21	14	9	40	5		M5	1.363	1.157	0.814
	DE80-08	D	80	15		29	26	14	9	40	5		M5			
DC100	CE100	B	95	25	+0.033 0	39	42	18	15	60	8	+0.2 0	M6	2.53	1.893	1.275
	DE100-12	D	100	25		39	42	18	15	60	8		M6			

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

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