



High Speed Hysteresis Brake

Ideal for Simulated Motor Loads



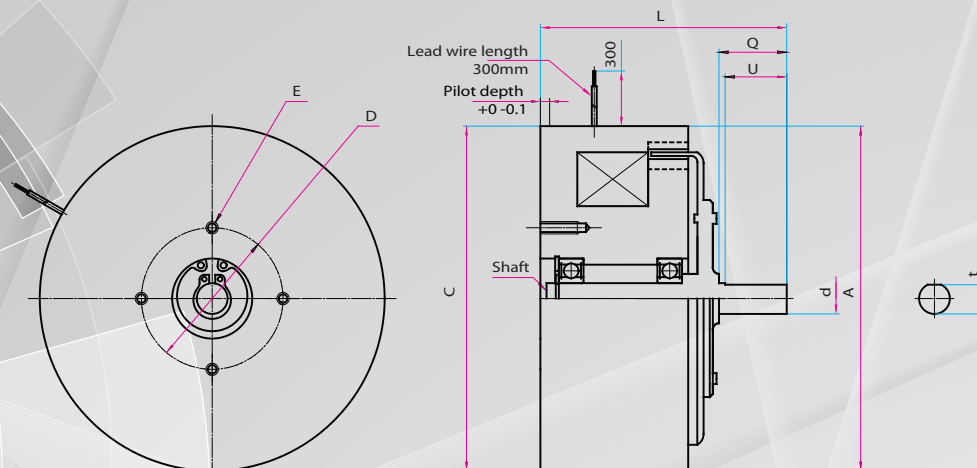
- ⓘ Can be used semi-permanently without mechanically worn parts.
- ⓘ Torque is proportional to current over a wide range, enabling high precision control and control that requires accurate repeatability.
- ⓘ Supports high speed rotation of 12,000 rpm, ideal for simulated loads such as motors.



"What You Need in a Clutch®"

HB 10Hi

Hysteresis brake for high-speed rotation



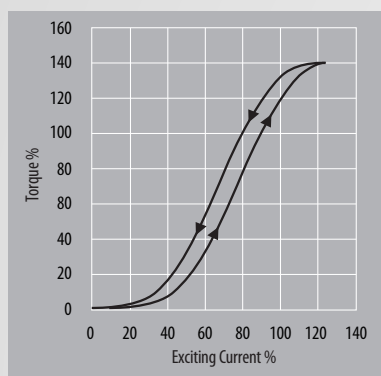
| Model | d _{h7} | t | A | C _{h7} | D | E | L | N | Q | U |
|--------|-----------------|-----|------|-----------------|-----|------|----|---|----|----|
| HB10Hi | φ10 | 9.5 | φ112 | φ112 | φ46 | 4×M4 | 80 | 3 | 22 | 20 |

Application

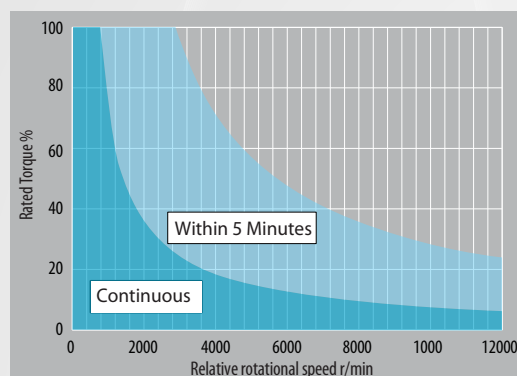
| Model | Performance | | Coil at 20C (reference) | | | Allowable Slip Wattage W | | Max speed r/min |
|--------|-----------------|------------------|-------------------------|--------------|---------|--------------------------|-----|-----------------|
| | Rated Torque Nm | Current at 75C A | Voltage VDC | Resistance Ω | Power W | Continuous | 5 | |
| HB10Hi | 1.0 | 0.23 | 24 | 84.0 | 6.9 | 75 | 300 | 12000 |

Note* There are two types of allowable slip efficiency for high-speed hysteresis brakes: Continuous operation and operation within 5 minutes. The allowable slip power is the value when used with proper heat dissipation.

Current vs Torque (example)



Allowable continuous slip torque characteristics (example)



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