

NAFSA - ER SERIES

ER45-05/C
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- Single acting, spring or load return
- Up to class F winding (155°C)
- Duty cycle from 0 to 100%
- Up to 234N force
- Customer specific version available



PRODUCT DESCRIPTION

The ER series of electromagnets are a single acting solenoid.

When an electrical connection is made to the coil, the plunger moves through the magnetic field and pushes the shaft along its designated stroke.

Upon removing the electrical connection, the shaft is retracted to its rest position using either a mechanical spring or the load applied.

Many different standard versions are available (please see catalogue PDF below) and application specific designs can be provided for larger volume requirements.

TECHNICAL DATA

Absorbed power @ 20°C, 100% duty	12 W
Absorbed power @ 20°C, 15% duty	80 W
Absorbed power @ 20°C, 25% duty	48 W
Absorbed power @ 20°C, 40% duty	30 W
Absorbed power @ 20°C, 5% duty	240 W
Beginning of stroke force at 100% duty	0.1 N
Beginning of stroke force at 15% duty	14.4 N
Beginning of stroke force at 25% duty	10.6 N
Beginning of stroke force at 40% duty	6.3 N
Beginning of stroke force at 5% duty	35 N
End of stroke force at 100% duty	60 N
End of stroke force at 15% duty	190 N
End of stroke force at 25% duty	160 N
End of stroke force at 40% duty	110 N

