RegalRexnord

PRODUCT INFO SHEET

WR-Thin VAR00 (WR230, WR240, WR250)

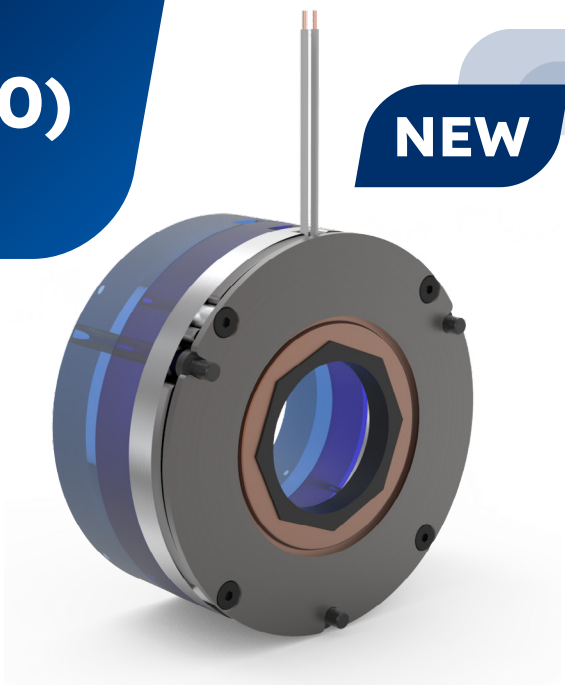
SPRING APPLIED ELECTRICALLY RELEASED BRAKES







NEW



ADAPTIVE DESIGN FOR DIRECT INTEGRATED HOLDING/ PARKING BRAKE

The WR Series is a compact and reliable on/off dry failsafe electromagnetic brake suitable for static engagement. Warner Electric created the WR Series to allow for seamless integration within directly mounted applications. These brakes come in a wide range of sizes, and the thickness can be customized to meet a variety of static torque requirements.

FEATURES

- 4 sizes with fixed diameter but different length/torque available
- Offers thin solutions down to 14mm
- 0.1 to 5.0Nm torque range
- Maximum inner diameter up to 35mm
- Available in magnet, flange, or rear mount configurations
- Reduces noise output and energy usage
- High quality corrosion protection
- RoHs, Reach, CE compliant

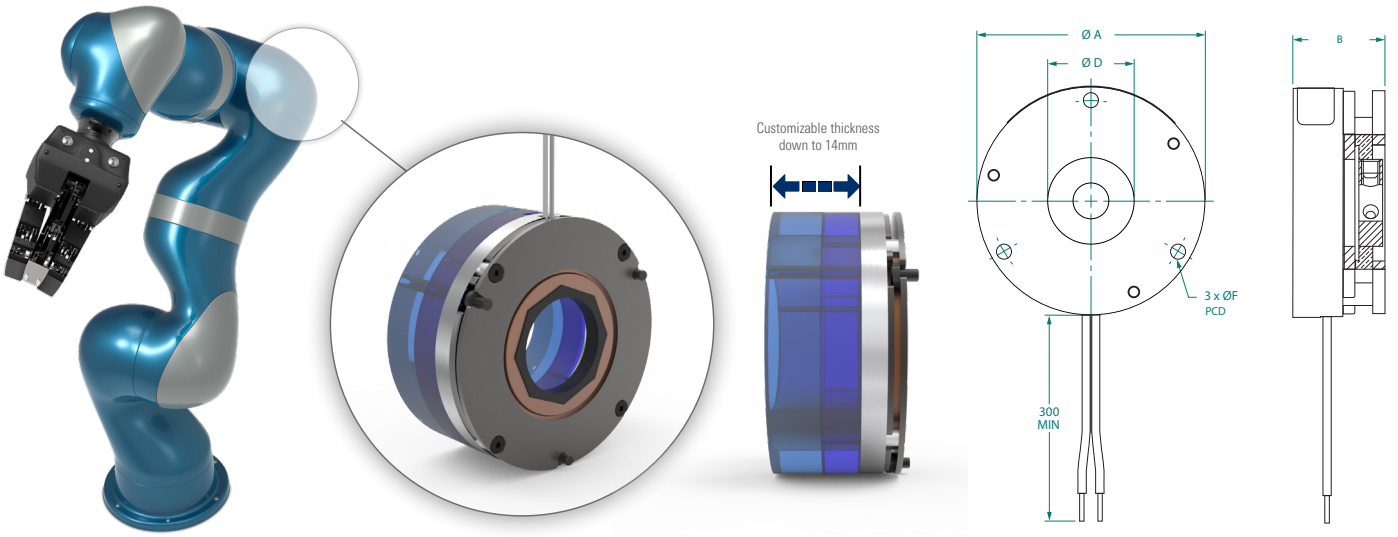
TYPICAL APPLICATIONS

- Wheel Drive/Mobile Robot
- Cobot
- Scara Robot
- Patient Mobility Devices
- Integrated drive solution with frameless motor

WARNER ELECTRIC

WR-Thin (WR230, WR240, WR250) VAR00

SPRING APPLIED ELECTRICALLY RELEASED BRAKES



Specifications

Temperature	Duty Cycle	Max Speed (rpm)	Backlash Hexagonal Disc	Hexagonal Hub Drive (3)
0 / +40 °C	50% max	3,000	2.5 °	Plain, D-drive, with keyway, Oring

(3) Hub sizes, bore-length-position to be selected with Warner Electric Assistance

Torque, Power and Dimension

Model No.	Static Torque (Nm)	Rated Power (W)(1)	B Max. Brake Length (2)	A Max. Brake Diameter	F Nom. Mount PCD (2)	Mount Screw (2)	D Max. Inner Diameter
WR221	0.10	7.1 / 1.1	20.00	35.50	30.50	3 x M3	9.20
	0.35	6.0	30.00				
WR230	0.50	5.3	20.00	50.00	44.00	3 x M3	20.00
	1.50	11.0	28.00				
WR240	0.50	25.1 / 6.3	15.00	70.00	63.00	3 x M4	20.00
	2.50	11.0	19.20				
	3.50	11.0	26.20				
WR250	0.70	20.0 / 2.2	14.00	92.00	85.00	3 x M4	35.00
	2.00	22.0 / 2.4	20.00				
	5.00	28.6 / 3.2	25.00				

(1) Power based on 24VDC Voltage; Overexcitation required if 2 power values; For other voltages, consult Warner Electric Assistance

(2) For other PCD, length calculation, screw types, encoder adaptation and mounting solutions, consult Warner Electric Assistance

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To view our Standard Terms and Conditions of Sale, please visit https://www.regalrexnord.com/Terms-and-Conditions-of-Sale

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