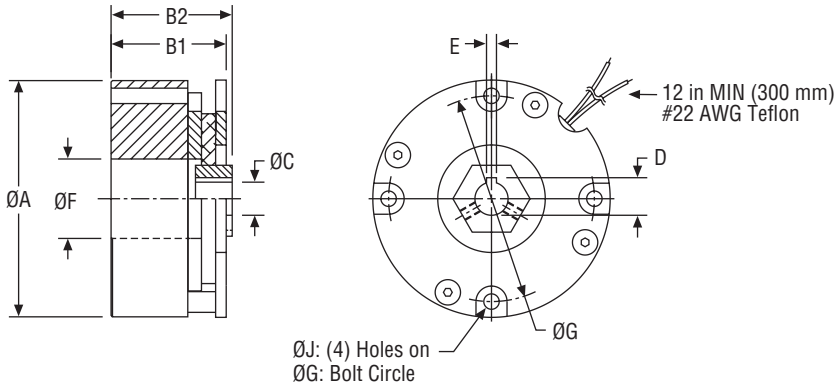




# BRP-30, 40 Brakes

## Dimensions & Specifications



Dimensions (mm)  
Mounting requirements see page 144.

BRP Model Shown

DIMENSIONS										
Model*	Static Torque lb-in (Nm)	A: OD in (mm)	B1: OAL Short Hub in (mm)	B2: OAL Long Hub in (mm)	C: Hub ID Ø in (mm)	D: Keyway Height in (mm)	E: Keyway Width in (mm)	F: Case ID Ø in (mm)	G: Mtg Hole BC Ø in (mm)	J: (4) Mtg Holes in (mm)
BRP-30U24-E08X	80 (9.04)	3.35 (85.1)	1.63 (41.4)	NA	.500 (12.7)	.564 (14.3)	.125 (3.2)	1.13 (28.7)	2.91 (73.9)	.218 (5.5)
BRP-30U24-E10X	80 (9.04)	3.35 (85.1)	1.63 (41.4)	NA	.625 (15.9)	.709 (18.0)	.188 (4.8)	1.13 (28.7)	2.91 (73.9)	.218 (5.5)
BRP-40U24-E06X	200 (22.6)	4.25 (108.0)	1.75 (44.5)	NA	.375 (9.5)	.425 (10.8)	.094 (2.4)	1.50 (38.1)	3.75 (95.3)	.226 (5.7)
BRP-40U24-E08X	200 (22.6)	4.25 (108.0)	1.75 (44.5)	NA	.500 (12.7)	.564 (14.3)	.125 (3.2)	1.50 (38.1)	3.75 (95.3)	.226 (5.7)
BRP-40U24-E10X	200 (22.6)	4.25 (108.0)	1.75 (44.5)	NA	.625 (15.9)	.709 (18.0)	.188 (4.8)	1.50 (38.1)	3.75 (95.3)	.226 (5.7)
BRP-40U24-E12X	200 (22.6)	4.25 (108.0)	1.75 (44.5)	NA	.750 (19.1)	.837 (21.3)	.188 (4.8)	1.50 (38.1)	3.75 (95.3)	.226 (5.7)

PERFORMANCE										
Model	Static Torque lb-in (Nm)	Coil Voltage VDC	Resistance Ohms nom.	Power Watts max	Armature Engagement msec	Armature Disengagement msec	Armature Inertia lb-in-sec <sup>2</sup>	Rotor Inertia lb-in-sec <sup>2</sup>	Weight lb (kg)	Energy Dissipation ft-lb/min
BRP-30	80 (9.04)	24/90	29/374	23.0	70.0	45.0	NA	1.72 x 10 <sup>-4</sup>	2.8 (1.3)	2200
BRP-40	200 (22.6)	24/90	20/290	31.0	85.0	45.0	NA	8.34 x 10 <sup>-3</sup>	4.9 (2.2)	2500

\*See "How to order" model numbering system on page 116 for power-off brakes.  
X = Upon ordering, choose L or S for long or short hub length.  
(-) denotes metric equivalents. Specifications subject to change without notice.

**General Notes**

- Customer shall maintain the perpendicularity of the case assembly mounting surface with respect to the shaft within .003 T.I.R. at the diameter of the bolt circle.
- Other voltages available upon request.
- Customer shall maintain concentricity of case assembly mounting pilot with respect to the shaft within .003 T.I.R.
- All BRP series brakes are shipped unburnished.
- Brake coupling armature assembly is secured to shaft by (2) set screws and key.
- Metric bores available