



HIGHLIGHTS

- Super elastic flexible rubber element of 55° shore “A” hardness
- Nominal torque capacity: 2,390 in.lbs. (6,549 in.lbs.)
- 5,000 RPM max. speed
- Nominal angular displacement: 2-3° (4-6° max.)

Application Success Story



SF200 Clutches & PB110 Brakes

Document Binding Equipment

PROBLEM

Long-lasting performance was the key to satisfying the demanding requirements of one of the world’s leading document binding equipment OEMs. They expected the products of their clutch/brake supplier to operate efficiently for more than 5 million cycles.

The clutch and brake are used to index pages in the proper timing and speed required by the binding process on a new product being launched by the OEM. Accuracy in controlling the motion of the paper feed rollers, and in engaging the paper feed to stop when necessary, were critical to this application.

SOLUTION

Warner Electric supplied SF200 (SL19) clutches and PB110 (FB11) brakes to meet the application requirements. The friction material used on the SF and PB models withstood the life cycle testing better than competitor models. In every function, the Warner Electric clutch and brake products exceeded customer expectations.

Also critical was the performance of the Warner Electric engineering team which produced rapid prototypes and responsive modifications for the customer’s engineering group. The customer considered this new product development as one of their highest profile projects. Warner Electric’s superior customer service – listening to the “Voice of the Customer” – enabled Regal Rexnord technical and sales staff to keep the project from being outsourced offshore.

Regal Rexnord’s local presence in Asia was also a key factor in maintaining this supplier relationship, since the customer had partnered with a Chinese electronics firm for assembly of the equipment. Specifically, Regal Rexnord’s sales and manufacturing facilities in China were important to the customer. Warner Electric manufactured the clutches and brakes and exported them to the assembly facility in Asia.

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