

## Important differences between Rockwell Q and "Q Plus" brake shoes and brake cams

This information is specific to Rockwell 16.5" x 7" Q and "Q Plus" brakes.

### Know your Qs.

Rockwell 16.5" Q style brakes manufactured before 1994 can be retrofitted to the "Q Plus" style by changing the shoe and lining, the shoe return spring and the camshaft.

Since 1994, the High Rise "Q Plus" camshaft design has been standard in all 16.5" Q Series brakes. In these brakes, manufactured after 1994, only the shoe/lining assembly and the return spring must be changed to retrofit from Q to "Q Plus" Series brakes.

As long as the 16.5" brake assembly has a "Q Plus" type High Rise camshaft, you can use either the Q or "Q Plus" brake shoe.

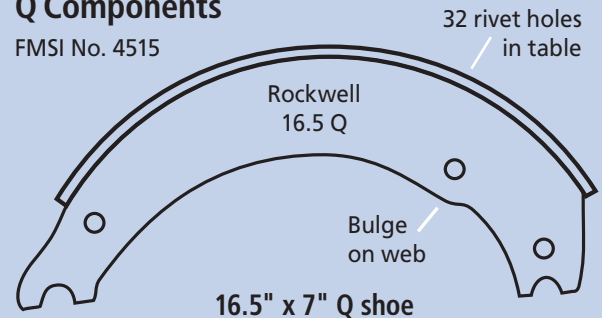
### All "Q Plus" brakes feature these differences from Q brakes:

- Thicker linings
- High Rise camshaft
- Heavy duty return spring
- Trailer axle version features a heavy duty bolt-on camshaft bushing

**Important Note:** Where your core account is concerned, 4515 (Q) and 4707 (Q Plus) brake shoes are not interchangeable. You CANNOT return 4515 cores against 4707 purchases (and vice versa.) Both shoe cores are kept in separate Right to Return Accounts.

### Q Components

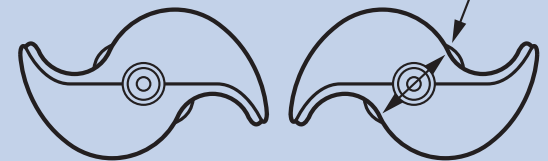
FMSI No. 4515



16.5" x 7" Q shoe

Cam tip to tip – 4.22"

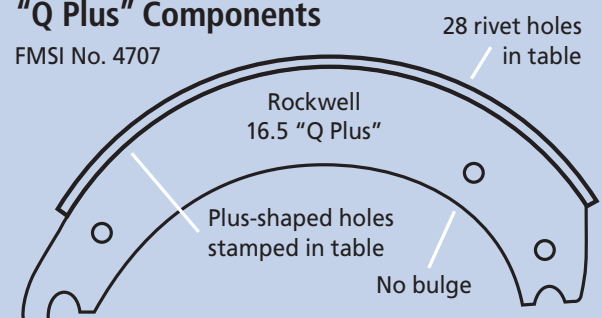
1.378" Dia.



16.5" Q cam

### "Q Plus" Components

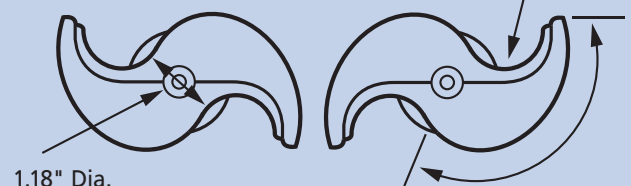
FMSI No. 4707



16.5" x 7" "Q Plus" shoe

Cam tip to tip – 4.25"

Deeper pocket



16.5" "Q Plus" cam