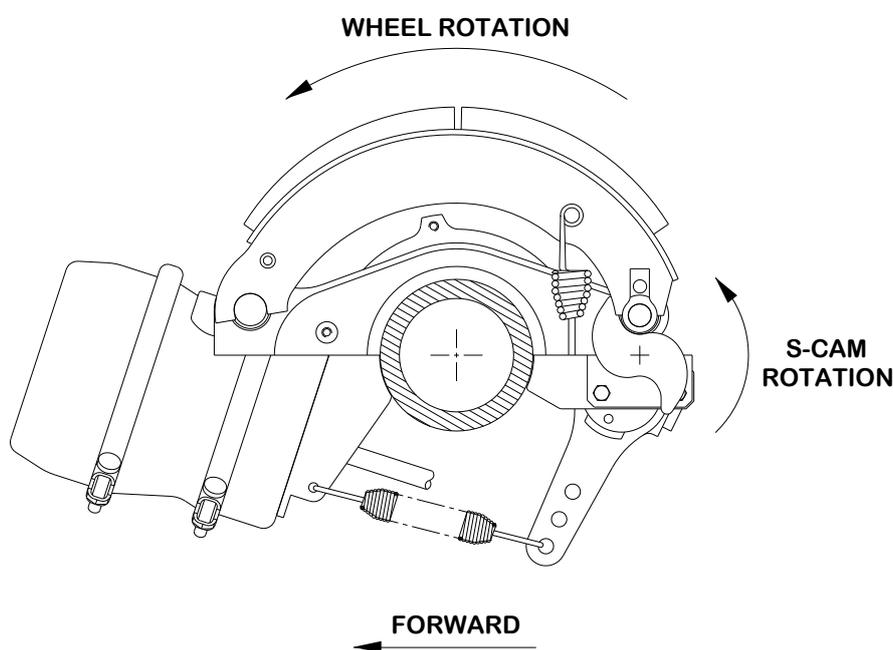


INSTALLATION, MAINTENANCE & SERVICE BULLETIN

AXLE BRAKE INFORMATION

S-CAM ROTATION ON DRUM BRAKE AXLES

It is our recommendation (it is also a general industry recommendation) to install Drum Brake Axles so that the S-Cams rotate in the same direction (when the brake is applied) as the wheels when travelling forward, as illustrated below.



Failure to comply with this recommendation by having the S-Cam rotating against the direction of the wheels when travelling forward (reversed S-Cams) may result in noisy brakes, premature wear of the brake linings and premature wear of the tyres.

Installers can rotate the axle in order to position the camshafts and boosters away from obstructions such as the trailer frame or suspension components, provided the S-Cam rotational direction is not affected and complies with the recommendation in this bulletin.

INSTALLING THE BRAKE CHAMBERS

For the installation of brake chambers (boosters) go to:

Bulletin KPM-001-1016 (Manual slack adjuster)

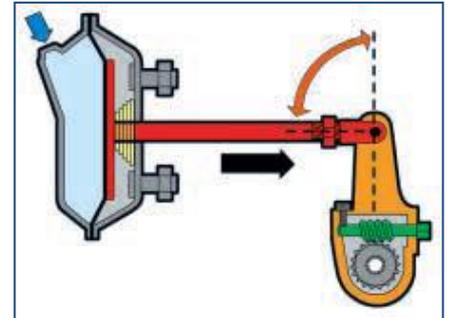
Bulletin KPM-001-0312 (Auto slack adjuster)

INSTALLATION, MAINTENANCE & SERVICE BULLETIN

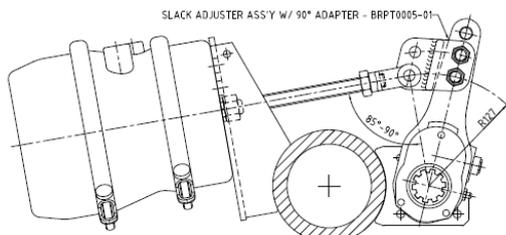
BRAKE ADJUSTMENT

The following procedure must be followed after a new brake chamber or slack adjust has been installed or the brake needs adjusting for normal wear and tear:

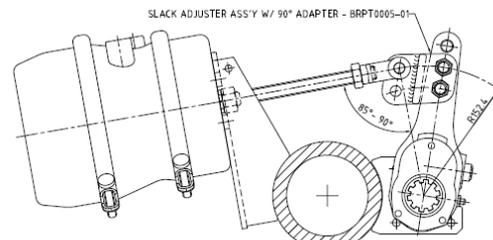
1. Ensure that the correct specification brake actuator is fitted and that connection to the slack adjuster is in the correct position (refer to the trailer manufacturer's approved specification).
2. Make sure the trailer is on level ground, the wheels are chocked and the brakes are in the off position.
3. Adjust the free movement of the brake actuator push rod, tightening the slack adjuster to between 20-25 Nm (15-18ft/lb). Then back off the adjusting screw by 3 notches or approx. a 1/4 turn. Free play of between 6 and 10mm on the slack adjuster is usually sufficient to provide proper clearance.
4. By applying the brake, check the stroke of the brake chamber push-rod at the slack adjuster for movement of approx. 35 to 40mm.
5. At the full applied brake operating pressure (650 kPa) the angle between the push-rod and the slack adjuster needs to be at 90°.



KK44 Axle manual slack adjuster

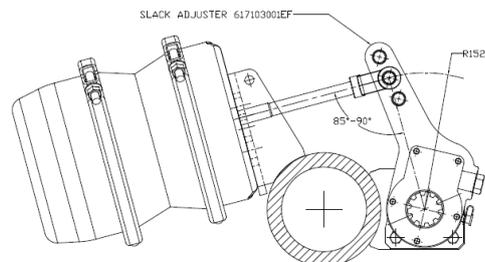
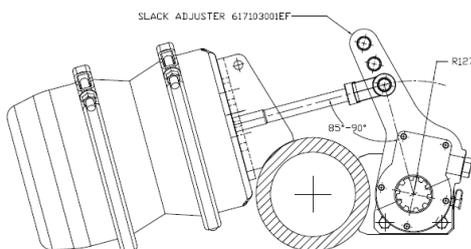


127mm (5") SLACK ADJUSTER LENGTH



152mm (6") SLACK ADJUSTER LENGTH

A standard manual slack adjuster **with** an adapter can be fitted to avoid any contact between the slack adjuster and the axle tube (when brake is off). Or an "off-set manual" slack adjuster can be fitted.



Note: Type 24/30 Brake Actuators are shown for illustrative purpose only.

Brake actuator size is variable and is dependent on a number of factors, i.e. number of axles, load weight, air brake kit, suspension type, tyre size, etc.

The actual brake actuator size is determined by the brake calculation, normally carried out by the trailer builder.