

Hello robb and fellow Lithographers,

Cylinder Gap Shock (CGS)

1) The 7 o'clock cylinder configuration is used not to eliminate CGS – but 1) to ensure the sheet is fully printed before transfer. 2) Reduce overall height of the Press. 3) Easier Infeed of paper to the Impression cylinder. 4) Movement of Blanket Cylinder out of contact with Plate/Impression Cylinder.

2) Harden Steel Bearers are used to eliminate “CGS” which ever configuration is used. It's not sufficient that the cylinders just “touch” . They must set with a “Pre-load pressure”! Even though the cylinders are Helical Gear Driven, think of the bearers as a “gear” with an infinite number of teeth, which smooth out Cylinders Vibrations i.e. CGS

3) The ductor roller does not “smash” into the roller train, it takes place during a cylinder rotation.

4) The cylinder gaps occupy $\pm 20\%$ of the circumference or $\pm 72^\circ$ degrees of rotation.