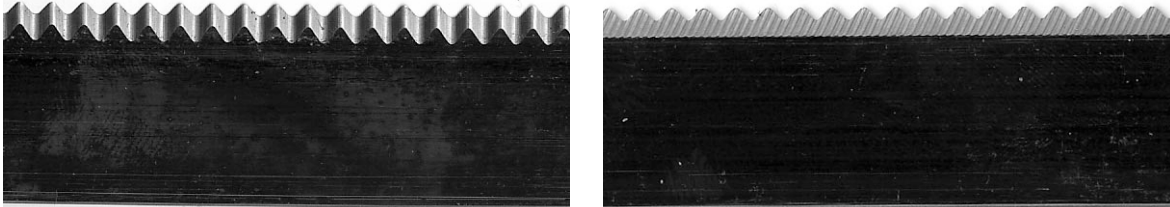


# National Steel Rule

071107\_Super6

## *Technical Tips*

### Super 6 Cutting Rule (6 teeth per inch)



SUPER 6 cutting rule was designed for cutting heavy double wall and triple wall corrugated. The current trend in the packaging field today is using an 8-tooth product that is 6 point in thickness. SUPER 6 is expected to be successful in both horizontal and vertical rule, though the primary advantage will take place when this product is used horizontally, especially where long, straight leading edge cuts are required.

#### Product Design Features:

- Hybrid tooth design takes advantage of fewer teeth per inch without increasing the level of necessary penetration. This is done through a specific gullet depth and a super sharp, durable tooth shape.
- Bevel design includes a robust geometric tooth structure to support the cutting edge on one side and a slightly off center, smooth opposing bevel from the back grind. This feature dramatically reduces edge crush.

The total design advantage will allow the utilization of thinner, 4-point rule as opposed to heavy, harder to bend, more expensive 6-point steel. This will come from a reduced force required to cut the material, complimented by a less physical penetration into the anvil.

#### *National Steel Rule offers two grades of steel for this application: Medium Hard and No Flex!*

Note: The steel used to make this product can be varied to suit the requirement as well as the height. It can be made as a 4 point or 6 point product. **Medium Hard** steel is bend-able and in a range of 33 – 34 Rockwell. The **No Flex** steel is dramatically harder at 47 – 49 Rockwell. This hardness greatly increases the column strength but is nearly impossible to bend without breaking. Some rounded corners are achievable when ¼" radius or larger.

To try out this new product, please contact Kevin Koelsch at 419-482-7707 or David Bialoglow at 908-862-3366.

Kevin Koelsch  
Technical Director  
National Steel Rule