Springback study of RDB of rectangular H96 tube

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Highlights

- Force loading dies and tube fillers influence springback most.
- Sectional deformation is more sensitive to process parameters than springback.
- Amount of springback is increasing as the overall deformation increases.
- Springback greatly decreases section sagging and longitudinal section ovalization.
- Optimized parameters combinations of pressure die can reduce both springback and sectional deformation.