KOBELCO

Dissimilar & Similar Joining Process "RuBulgeTM"

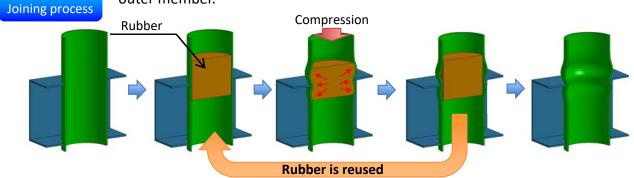
Benefits

- Partially expanding pipe using elastic deformation of rubber.
- Welding is unnecessary.



Key Point

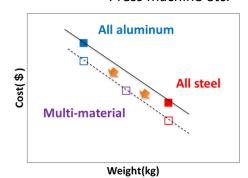
■Rubber is inserted into the hollow member and then compressed, thereby enlarging the diameter of the hollow member and mechanically joining it with the outer member.



Features

- 1. Feasible for materials
 - ⇒Steel and Aluminum, etc.
- 2. Feasible for various section parts

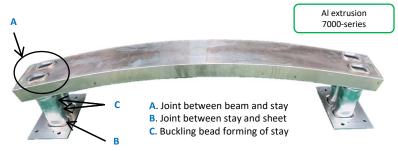
 ⇒Multi-room section etc.
- Formable with current facilities
 ⇒Press machine etc.



Graph showing **economic advantage** gained from using this technology

Trial production





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