



Application

Bonding

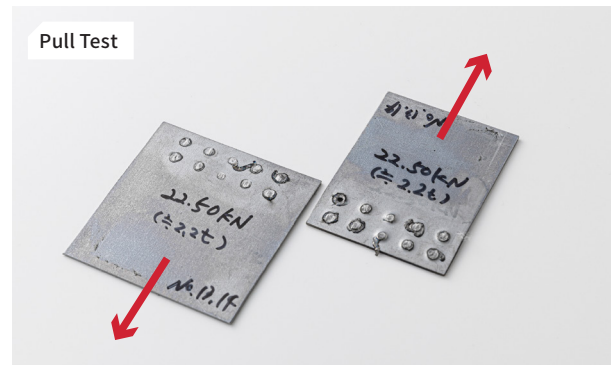
Galvannealed Steel Plates

High-Strength Steel Bonding without Hydrogen Embrittlement

10 Spot Simultaneous Bonding



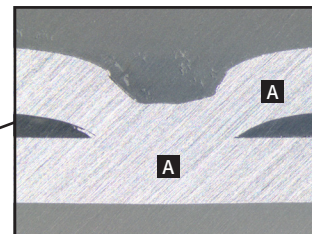
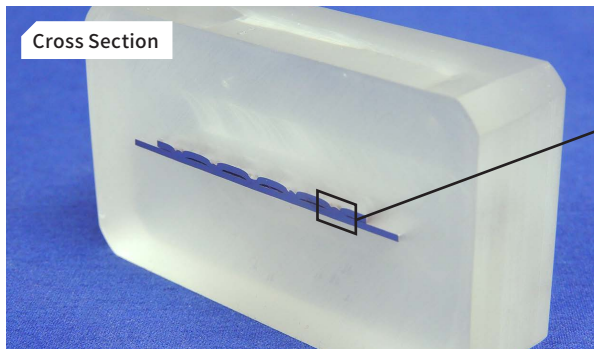
Pull Test



Galvannealed High-Strength Steel Plates
10 Spots Bonded Simultaneously

Bond Strength: 22.50 kN

Cross Section



A NSAC980DL t = 1.0 mm
(Nippon Steel JAC980Y)

Key Points

- ✔ No hydrogen embrittlement
- ✔ No adhesives required
- ✔ Bonding at room-temperature and under atmospheric conditions
- ✔ Alloy diffusion bonding
- ✔ Process time: several seconds
- ✔ Minimal heat generation
- ✔ No damage to tooling

System Used

- ✔ Double Power System (15MZs)



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