



BrazeLet® Ni623

For corrosive applications

The nickel based brazing alloy BrazeLet Ni623 is a high temperature brazing alloy suitable to use where both base material and brazing alloy require superior corrosion resistance. The alloy is suitable to use together with high alloyed austenitic stainless steels which require special heat treatment like solution annealing at temperatures around 1100°C. The melting point (T_{liq}) for BrazeLet Ni623 is around 1200°C which means the alloy is solid when the annealing starts.

BrazeLet Ni623 has excellent corrosion resistance to chloric (HCl) environments as well as sulphuric (H_2SO_4) and nitric (HNO_3) acids, similar to the high performing BrazeLet Ni613.

For more information on BrazeLet and other Höganäs products, please contact your local sales representative.

Benefits:

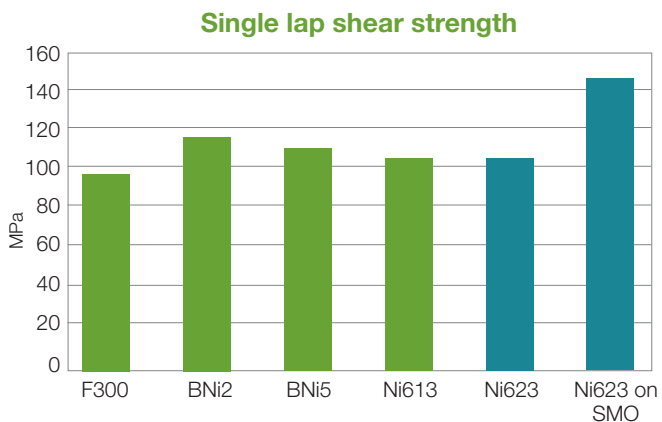
- Compatible with high alloyed austenitic steels
- Wide gap flexibility
- Corrosion resistant
- High strength



BrazeLet® Ni623 Technical Data

Due to the high temperature it is of great importance to apply the paste exactly where it is needed as well as controlling the amount of paste applied. This is best done by screen/stencil printing, roller coating or dispensing.

Naming	BrazeLet Ni623
Composition	B-Ni46CrFeMoSi
Melting temp	1160-1200°C
Min brazing temp	1240°C
Impurities	According to ISO 17682 and ANSI/AWS A5.8



Single lap shear strength on stainless steel 304L base material.