



Vitta-Braze 1142

Classification		Nickel Based Alloy	Issued July 2019 Revision 1.0		
AMS:	AWS:	MSRR: 9500/730	General Electric: B50TF142	Pratt & Whitney: PWA797	Snecma DMR35:
Cross Reference / Conformance		Praxair Alloy: Ni-530 Metco (Amdry): 103			
Recommended Brazing Atmospheres		Vacuum Hydrogen Inert Gases			
Applications		Modified Vitta-Braz 1782 for wide gap applications. Has better flow than Vitta-Braz 1143. Good for thin-walled assemblies and honeycomb components where minimal elevation is required.			
Melting Range		Solidus: 1079C	Liquidus: 1135C	Brazing Range: 1163-1204C	
Nominal Composition		Si – 9.3	Cr – 17.1	B – 0.1	Ni - Balance
Forms of Supply		Powder, Tape, Rope, Paste, Preforms, Foil			
Mesh		Powder supplied to -140 as standard, please state if coarse (-140C) is required for pepper potting. Other mesh sizes available upon request.			
Braze Alloy Colour Code		Product labels are marked with the colour along the edge of the label		PURPLE and YELLOW	
Storage Recommendations		<ul style="list-style-type: none">• Powder should be stored in the original closed container in a dry location. If stored for a duration of time tumble contents prior to use to prevent segregation.• Paste should be stored tip down in the original packaging.• Tapes, ropes and foils should be stored in their sealed bags to minimise drying.			
Safety Recommendation		Please refer to the specific MSDS (Material Safety Data Sheet) – available from Vitta			
Disclaimer		All information provided on our products is based upon our experience and extensive testing and research. Information on these technical data sheets is provided in good faith but does not exempt the user from the requirement to check the data held herein. It is the responsibility of the customer to ensure that the product is suitable for the intended use particularly if the application or process has not been specifically approved by us in writing. Vitta cannot be held liable for any errors or omissions published. Vitta always recommend your internal quality team must approve any proposed usage.			