

Updated: **02.14.2024**

IDENTIFICATION		
Material:	Product Form	Intended use in Denovo products
High Performance Stainless Steels: 304 & 305	Solid Metal Alloy	Solid stainless steel used to form bands, crowns, tubes and wires.
Solid Solder:	Solid Brazing Alloy	Solder used to weld the tubing to the band or crown. Less than 5% of the overall surface area.

PRODUCT MATERIAL DETAILS			
	Stainless Steel 304	Stainless Steel 305	Solder
Space Maintainer System	✓		✓
Matrix Band System	✓		
Strip-T System	✓	✓	
Molar Band System	✓		
SS Molar Crowns	✓		
SS Anterior Crowns		✓	
Instruments	✓		




STAINLESS STEEL 304		
Ingredient Name	Composition %	CAS Number
Iron	65.0–75.0%	7439-89-9
Chromium	13.0–20.0%	7440-47-3
Nickel	9.0–10.0%	7440-02-2
Manganese	1.5%	7439-96-5
Silicon	0.5%	7440-21-3
Molybdenum	0.5%	7429-98-7
Copper	0.3%	7440-50-8
Cobalt	0.2%	7440-48-4
Carbon	0.05%	7440-44-0
Phosphorus, Titanium, Sulphur, Aluminum, Oxygen	Trace Amounts; ≤ 0.05%	

STAINLESS STEEL 305		
Ingredient Name	Composition %	CAS Number
Iron	62.2–72.5%	7439-89-9
Chromium	17.0–22.0%	7440-47-3
Nickel	10.2–14.0%	7440-02-2
Manganese	1.0–3.2%	7439-96-5
Silicon	1.0%	7440-21-3
Carbon	0.12%	7440-44-0
Phosphorus, Titanium, Sulphur, Aluminum, Oxygen	Trace Amounts; ≤ 0.05%	

Solid Solder		
Ingredient Name	Composition %	CAS Number
Copper	20.0–50.0%	7440-50-8
Zinc	20.0–50.0%	7440-66-6
Silver	20.0–50.0%	7440-22-4
Nickel	0.2–2.9%	7440-02-2
Phosphorus, Titanium, Sulphur, Aluminum, Oxygen	Trace Amounts; ≤ 0.15%	

I Amendment History Table:

Revision Date		Description of Change	Made by (initials)
1	2020.08.04	Material compositions added into to new format tables. Document created.	CH
1	2021.03.01	Reviewed. No updates required.	CH
2	2024.02.14	Updated materials comps.	CH

Approved by:	 Joseph Parker, <i>President</i>
Approved by:	 Phil Horton, <i>Service Manager</i>
Approved by:	 Chaz Hanna, <i>Regulatory Manager</i>