

# Novastep Implant chemical composition

## AIRLOCK : SCREW & PLATE

**Titanium Alloy TA6V ELI – ISO 5832-3 – ASTM F136**



Aluminum: 5.50 - 6.50%  
Carbon<0,08%  
Iron<0,25%  
Nitrogen<0,05%  
Oxygen<0,13%  
Titanium: Balance  
Vanadium: 3.50 - 4.50%

## CENTROLOCK : SCREWS AND PLATES

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## NEXIS SCREWS

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Titanium: Balance  
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## STATIC STAPLES

**Stainless steel-316L – ISO 5832-1 – ASTM F138**



Carbon<0.03%  
Chromium: 17 - 19%  
Cooper<0.5%  
Iron: Balance  
Manganese< 2%  
Molybdenum: 2.25 - 3%  
Nickel: 13 - 15%  
Phosphorus<0.025% Silicon<1%

## ARCAD : COMPRESSIVE STAPLES

**Nitinol – NiTi – ASTM F2063**



Nickel: 54.5 - 57%  
Cobalt: 0.05% max  
Cooper: 0.01% max  
Iron: 0.05%max  
Carbon: 0.05%max  
Chromium:0.01%max  
Titanium: Balance

## LYNC : INTRAMEDULLARY IMPLANTS

**Unalloyed titanium – T40 – ISO 5832-2**



Carbon<0.10%  
Hydrogen<0.0125 %  
Iron<0.30%  
Nitrogen<0.03%  
Oxygen<0.25%  
Titanium: Balance

## K-WIRES

**Stainless steel-316L  
ISO 5832-1 – ASTM F138**

Carbon<0.03%  
Chromium: 17 - 19%  
Cooper<0.5%  
Iron: Balance  
Manganese< 2%  
Molybdenum: 2.25 - 3%  
Nickel: 13 - 15%  
Phosphorus<0.025% Silicon<1%

**Chromium/Cobalt  
ASTM F90-14**

Carbon<0.15%  
Chromium: 19 - 21%  
Iron<3% Nickel: 9 - 11%  
Manganese<2%  
Phosphorus<0.04%  
Silicon<0.4% Sulfur<0.03%  
Tungsten: 14 - 16%  
Cobalt: Balance