

Crimpable Stops and Ball Hooks Material and Chemical Characterization

The material and chemical characterization charts show the types of materials used in WCT's Crimpable Stops and Ball Hooks. The charts identify the main alloy components and trace elements.

1 Materials

1.1 Crimpable Stops (906.0005) and Ball Hooks (906.0004)

Table 1

Stainless Steel MIM-17-4PH composition per ASTM B883-24		
Chemical Name	Min. (weight %)	Max. (weight %)
Iron (Fe)	Balance	Balance
Nickel (Ni)	3	5
Chromium (Cr)	15.5	17.5
Carbon (C)	-	0.07
Copper (Cu)	3	5
Silicon (Si)	-	1.0
Manganese (Mn)	-	1.0
Niobium; Tantalum (Nb+TA)	0.15	0.45
Other(s)	-	1.0

1.2 Premium Crimpable Stops (906.0008-20) and Ball Hooks (906.0007-20)

Table 2

Stainless Steel 304L		
Chemical Name	Min. (weight %)	Max. (weight %)
Iron (Fe)	Balance	Balance
Nickel (Ni)	9.0	13.0
Chromium (Cr)	18.0	20.0
Carbon (C)	-	0.03
Silicon (Si)	-	1.0
Manganese (Mn)	-	2.0
Phosphorus (P)	-	0.045
Sulfur (S)	-	0.03

Approved By:
[\(CO-1040\) MR Unsafe - APII, Buttons, Stops, Hooks, Coil Springs, & Preformed Lig Ties](#)

Description
Activating MR Unsafe symbol on labels for APII, Buttons, Stops, Hooks, & Coil Springs.

Justification
MR Unsafe needed on labels. There is an updated MRI warning

Assigned To:	Initiated By:	Priority:	Impact:
Maureen Janssen	Maureen Janssen	Medium	Major

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