TYPE 17 CHROME - 7 NICKEL STAINLESS STEEL STRIP

Type 17-7 PH, "Condition C" has the corrosion resistance of Type 302 plus superior strength and heat resistance. After forming, it can be heat treated at 900 F for one hour to achieve maximum "CH" tensile strength.

Chemical Composition	%
Carbon	.090 max
Manganese	1.00 max
Silicon	1.00 max
Chromium	16.00 –18.00
Aluminum	0.75 – 1.50
Nickel	6.5 – 7.75

Thickness Tolerances < 6" AMS2242	Tolerance (inch)
over .050 - .062 included	+/- .0030
over .035 - .050 included	+/- .0025
over .020 - .035 included	+/- .0020
over .010 - .020 included	+/- .0015
under .010	+/- 10%

MECHANICAL PROPERTIES

Condition	Tensile Min PSI	Yield Min PSI	Elong % Min	Hardness (Ref Only)	Condition
"C"	200,000 min	175,000 min	1% min	RC 41	"C"
"CH 900"	240,000 min	230,000 min	1% min	RC 46	"CH 900"

Additional Information

Width Tolerance	+/- .003	
Camber Tolerance	Up to and including 1.500" wide	.500" in 8 feet
	Over 1.500" wide	.250" in 8 feet
Edges Available	#3 Slit edge	
	#5 Deburred edge	
	#1 Round edge	

The above charts are intended to provide general background information. You should also review the appropriate material specification. Please contact Gibbs Interwire if you have any questions.

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