

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" tensiles. Gibbs stocks 17 chrome-7 nickel stainless steel in the "C" cold rolled condition in gauges from .008" to .025".

Chemical Composition	%	Thickness Tolerances < 6" -AMS2242		Tolerance (inch)	
Carbon	0.09 max	over .050 - .062 incl		+/- .0030	
Manganese	1.00 max	over .035 - .050 incl		+/- .0025	
Silicon	1.00 max	over .029 - .035 incl		+/- .0020	
Chromium	16.00 –18.00	over .020 - .029 incl		+/- .0020	
Aluminum	0.75 – 1.50	over .017 - .020 incl		+/- .0015	
Nickel	6.5 – 7.75	over .013 - .017 incl		+/- .0015	
		over .011 - .013 incl		+/- .0015	
		over .010 - .011 incl		+/- .0015	
		under .010		+/- 10%	
Mechanical Properties (AMS5529)					
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 if you have any questions.