

Cost Comparison

Cost ratio based on **304L=1.0** (3/8 pattern mill plate)

Duplex	Austenitic
• 2202 2101 = 0.83	<i>201LN</i> = 0.86
• 2102 = 0.83	<u>304L = 1.00</u>
• 2304 = 0.96	
• 2003/2404 = 1.26	
•	316L = 1.25
• 2205 = 1.16	
•	317L = 1.66
• 255/2507 = 1.85	
• Z100 = 1.90	
•	317LMN = 2.04
•	904L = 2.72
•	6Mo = 2.83 – 3.46
• Ni = 8.46 Mo = 12.76 Cr = 1.32	

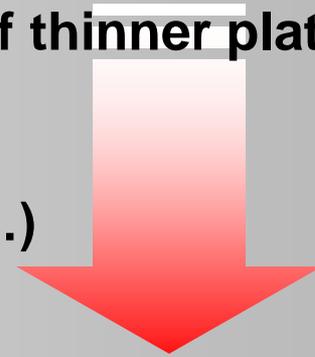
Cost Advantage

- If a vessel design uses the Duplex SS's additional strength to decrease wall thickness **savings of up to 25% may be achieved for the fabrication** vs. a comparable austenitic grade.
- Machining cost savings may be considerable.
- Physical property advantages must be evaluated for process and fabrication cost savings.

DUPLEX COST SAVINGS

If you save weight (wall thickness reductions) :

- You reduce the amount of material needed for the project
- You reduce the labor costs (weldings of thinner plates)
- You reduce transportation costs
- You reduce erection costs
- You reduce structural costs (concrete...)



THINK ABOUT TOTAL COSTS

