

# Classic and Pro Grades Manufactured at the Calvert Mill



Class	Grade UNS/DIN	Width Inches	Hot Rolled	Cold Rolled	Cold Rolled	Cold Rolled	Temper Rolled / Gauge							
			No. 1 Inches	2D Gauge	2B Gauge	Polish Gauge	1/8	1/4	1/2	3/4	FH			
Austenitic Alloys	<b>Core 201/4372</b>	36	.1100 - .3750	10 - 19	10 - 19	10 - 19								
	S20100 / 1.4372 16.0% Cr min / 4.0% Ni min / 6.5% Mn min 3.5% Ni available in 48" & 60".	48 60 72	.1100 - .3750 .1378 - .3750	10 - 19 10 - 19	10 - 19 10 - 19	10 - 19 10 - 19								
	<b>Core 201LN/4372</b>	36	.1100 - .3750	10 - 19	10 - 19	10 - 19								
	S20153 / 1.4372 16.0% Cr min / 4.0% Ni min / 6.5% Mn min 0.03% C max / 0.10-0.25% N 201LN by request in 36" & 60".	48 60 72	.1100 - .3750 .1378 - .3750	10 - 19 10 - 19	10 - 19 10 - 19	10 - 19 10 - 19								
	<b>Core 301/4310</b>	36	.1100 - .3750	10 - 19	10 - 19	10 - 19								
	S30100 / 1.4310 17.0% Cr min / 6.0% Ni min / 1.50% Cu min	48 60 72	.1100 - .3750 .1500 - .3750	10 - 19 10 - 19	10 - 19 10 - 19	10 - 19 10 - 19	10-19 10-19	10-19 10-19	10-19 10-19	10-19 10-19	10-19 10-19			
	<b>Core 301/4310</b>	36	.1100 - .3750	10 - 19	10 - 19	10 - 19								
	S30100 / 1.4310 17.0% Cr min / 6.6% Ni min / 0.57% Cu min 6.6 % Ni by request in 36", 48" & 60". 7% Ni available by request in 48" & 60".	48 60 72	.1100 - .3750 .1500 - .3750	10 - 19 10 - 19	10 - 19 10 - 19	10 - 19 10 - 19	10-19 10-19	10-19 10-19	10-19 10-19	10-19 10-19	10-19 10-19			
	<b>Core 301LN/4318</b>	36	.1100 - .3750	10 - 19	10 - 19	10 - 19								
	S30153 / 1.4318 17.0% Cr min / 6.0% Ni min / 1.70% Mn min 0.030% C max / 0.150 - 0.20%N 301LN available by request in 48" & 60".	48 60 72	.1100 - .3750 .1500 - .3750	10 - 19 10 - 19	10 - 19 10 - 19	10 - 19 10 - 19								
	<b>Core 301 Si</b>													
	S30116/ 4310.12 16.5% Cr min / 6.5% Ni min / 1.10% Mn min 0.115% C max / 0.06 - 0.08% N	42 48		14 - 19 14 - 19	14 - 19 14 - 19									
	<b>Core 304/4301</b>	36	.1100 - .3750	10 - 24	10 - 26	10 - 26								
	S30400 / 1.4301 18.0% Cr min / 8.0% Ni min 8.5% Ni available by request in 48" & 60".	48 60 72	.1100 - .3937 .1180 - .3937 .1875 - .3750	.1450 Max - 24 .1450 Max - 24 .1450 Max - 20	.1450 Max - 26 .1450 Max - 26 .1450 Max - 20	10 - 26 10 - 26 10 - 26	10-24 10-18	10-24 10-18	10-24 10-20					
	<b>Core 304L/4307</b>	36	.1100 - .3750	10 - 24	10 - 26	10 - 26								
	S30403 / 1.4307 18.0% Cr min / 8.0% Ni min 0.03% C max	48 60 72	.1100 - .3937 .1180 - .3937 .1875 - .3750	.1450 Max - 24 .1450 Max - 24 .1450 Max - 20	.1450 Max - 26 .1450 Max - 26 .1450 Max - 20	10 - 26 10 - 26 10 - 26	10-24 10-18	10-24 10-18	10-24 10-20					
	<b>Core 304L / 4307 9.0% Ni</b>													
	S30400 / 1.4307 18.0% Cr min / 9.0% Ni min	48 60		10-24 10-24	10-24 10-24	10-24 10-24								
	<b>Core 304L/4307 9.5% Ni</b>	36	.1100 - .3937	10 - 24	10 - 26	10 - 26								
	S30403 / 1.4307 18.0% Cr min / 9.5% Ni min / 0.03% C max	48 60 72	.1100 - .3937 .1180 - .3937	10 - 24 10 - 24	10 - 26 10 - 26	10 - 26 10 - 26								
<b>Core 304LHS /4307</b>	36	.1100 - .3750	10 - 24	10 - 24	10 - 24									
S30403 / 1.4307 18.0% Cr min / 8.0% Ni min 0.03% C max / 0.008-0.015% S	44 48 60 65 72	.1100 - .3750 .1100 - .3937 .1180 - .3937 .1875 - .3750 .1875 - .3750		Available based on demand 10 - 24 10 - 24 Available based on demand 10 - 20	10 - 24 10 - 24 10 - 24 10 - 20									
<b>Supra 316L/4404</b>	36	.1100 - .3750	10 - 24	10 - 26	10 - 26									
S31603 / 1.4404 16.0% Cr min / 10.0% Ni min / 2.0% Mo min 0.03% C max 316L is available by request in 36".	48 60 72	.1180 - .3937 .1575 - .3937 .250 - .3750	.1450 Max - 24 .1450 Max - 24 .1450 Max - 20	.1450 Max - 26 .1450 Max - 26 .1450 Max - 20	10 - 26 10 - 26 10 - 26									
<b>Supra 316LHS /4404</b>	36	.1100 - .3750	10 - 24	10 - 24	10 - 24									
S31603 / 1.4404 16.0% Cr min / 10.0% Ni min / 2.0% Mo min 0.03% C max / 0.008-0.015% S 316LHS is available by request in 36".	44 48 60 65 72	.1100 - .3750 .1180 - .3937 .1575 - .3937 .250 - .3750 .250 - .3750		Available based on demand 10 - 24 10 - 24 Available based on demand 10 - 20	10 - 24 10 - 24 10 - 24 10 - 20									
<b>Core 321/4541</b>	36	.1100 - .3750												
S32100 / 1.4541 17.0% Cr min / 9.0% Ni min Ti 5 x (C + N) min, 0.70% max 321 available by request in 48".	48 60 72	.1100 - .3750												

# Classic and Pro Grades Manufactured at the Calvert Mill



Class	Grade UNS/DIN	Width Inches	Hot Rolled	Cold Rolled	Cold Rolled	Cold Rolled	Temper Rolled / Gauge								
			No. 1 Inches	2D Gauge	2B Gauge	Polish Gauge	1/8	1/4	1/2	3/4	FH				
Ferritic Alloys	<b>Moda 430/4016</b>	36	0.138 - 0.250			10 - 26	10 - 26								
	S43000 / 1.4016	48	0.138 - 0.250			10 - 26	10 - 26								
	16 % Cr min	60	0.138 - 0.250			10 - 26	10 - 26								
		72													
	<b>Moda 439 (Single Stabilized) /4510</b>	36	0.138 - 0.250	10 - 24		10 - 24	10 - 24								
	S43035 / 1.4510	48	0.138 - 0.250	10 - 24		10 - 24	10 - 24								
	17.0% Cr min / 0.03% C max / Al 0.15% max	60	0.138 - 0.250	10 - 24		10 - 24	10 - 24								
	Ti [0.20 + 4 (C+N)] min, 1.10 max														
	Inquire with Supply Chain prior to order acceptance.														
	<b>Moda 439M (Dual Stabilized)/4510</b>	36	0.138 - 0.250	10 - 24		10 - 24	10 - 24								
	S43932 / 1.4510	48	0.138 - 0.250	10 - 24		10 - 24	10 - 24								
	17.0% Cr min / 0.30% Al max	60	0.138 - 0.250	10 - 24		10 - 24	10 - 24								
Ti + Nb [0.20 + 4 (C+N)] min, 0.75 max	72														
<b>Core 441/4509</b>	36	0.138 - 0.250	10 - 24		10 - 24	10 - 24									
S43940 / 1.4509	48	0.138 - 0.250	10 - 24		10 - 24	10 - 24									
17.5% Cr	60	0.138 - 0.250	10 - 24		10 - 24	10 - 24									
Ti 0.10-0.60%; Nb [0.30 + (3 x C)] min	72														
<b>Forta DX 2205 +2 / 4662</b>	36														
S32205 & S31803 / 1.4462	48	.1875 - .2500													
22.5% Cr min / 5.5% Ni min / 3.0% Mo min	60	0.250													
	72														

# Classic Grades Manufactured at the Mexinox Mill



Class	Grade UNS/DIN	Width Inches	Cold Rolled	Cold Rolled	Cold Rolled	Cold Rolled	Cold Rolled	Temper Rolled / Gauge											
			2D Gauge	2B Gauge	Polish Gauge	BA Gauge	Rolled On Gauge	1/8	1/4	1/2	3/4	FH							
Austenitic Alloys	<b>Core 201/4372</b>	36	10 - 19	10 - 19	10 - 19														
	S20100 / 1.4372	48	10 - 19	10 - 19	10 - 19														
	16.0% Cr min / 4.0% Ni min / 6.5% Mn min	51.18	10 - 19	10 - 19	16 - 19														
	<b>Core 201LN/4372</b>																		
	S20153 / 1.4372	48	10 - 19	10 - 19	10 - 19														
	16.0% Cr min / 4.0% Ni min / 6.5% Mn min 0.03% C max / 0.10-0.25% N																		
	<b>Core 301/4310</b>	36																	
	S30100 / 1.4310	48																	
	17.0% Cr min / 6.6% Ni min / 0.57% Cu min	49.21	10 - 19	10 - 19	16 - 19														
	<b>Core 301/4310</b>	36	10 - 19	10 - 19	10 - 19														
	S30100 / 1.4310	48	10 - 19	10 - 19	10 - 19														
	17.0% Cr min / 6.0% Ni min / 1.5% Cu min	51.18																	
	<b>Core 304/4301</b>																		
	S30400 / 1.4301	48	10 - 26	10 - 29	10 - 26	18 - 28	18 - 28												
	18.0% Cr min / 8.5% Ni min (Available by request)																		
	<b>Core 304L/4307</b>																		
	S30403 / 1.4307	48	10 - 26	10 - 29	10 - 26	18 - 28	18 - 28												
	18.0% Cr min / 9.5% Ni min / 0.03% C max (Available by request)																		
	<b>Core 304/4301//304L/4307</b>	36	10 - 26	10 - 29	10 - 26	18 - 28	18 - 28	13-29	13-29	13-29									
	S30400 / 1.4301 / S30403 / 1.4307	39.37	10 - 26	10 - 29	10 - 26	18 - 28	18 - 28	13-29	13-29	13-29									
0.07% C max / 0.03% C max	48	10 - 26	10 - 29	10 - 26	18 - 28	18 - 28	13-29	13-29	13-29										
18.0% Cr min / 8.0% Ni min	51.18	10 - 26	10 - 28	16 - 26	18 - 28	18 - 28	13-29	13-29	13-29										
<b>Supra 316L/4404</b>																			
S31603 / 1.4404	48	10 - 26	10 - 29	10 - 26			13-29	13-29	13-29										
16.0% Cr min / 10.0% Ni min / 2.0% Mo min / 0.03% C max																			
<b>Core 321/4541</b>																			
S32100 / 1.4541	48	10 - 26	10 - 29	10 - 26															
17.0% Cr min / 9.0% Ni min / Ti 5 x (C + N) min, 0.70% max																			

# Classic Grades Manufactured at the Mexinox Mill



Class	Grade UNS/DIN	Width Inches	Cold Rolled	Cold Rolled	Cold Rolled	Cold Rolled	Cold Rolled	Temper Rolled / Gauge				FH	
			2D Gauge	2B Gauge	Polish Gauge	BA Gauge	Rolled On Gauge	1/8	1/4	1/2	3/4		
Ferritic Alloys	<b>Moda 409/4512</b>												
	S40920 / 1.4512	48	10 - 26	10 - 29									
	10.5% Cr min/0.10% Nb max/Ti 8 x (C+N) min, Ti 0.15-0.50	49.21	10 - 26	10 - 28									
		51.18											
	<b>Moda 410S/4000</b>												
	S41008 / 1.4000	48											
	11.5% Cr / 0.08% C max	49.21	10 - 26	10 - 28									
	Available by request.												
	<b>Moda 430/4016</b>												
	S43000 / 1.4016	36		10 - 29	10 - 26	18 - 28	10 - 28					13-29	
	16 % Cr min	39.37		10 - 29	10 - 26	18 - 28	10 - 28					13-29	
		48		10 - 29	10 - 26	18 - 28	10 - 28					13-29	
		49.21		10 - 28	16 - 26	18 - 28	10 - 28					13-29	
		51.18		10 - 28	16 - 26	18 - 28	10 - 28					13-29	
		51.96		10 - 28	16 - 26	18 - 28	10 - 28					13-29	
	<b>Moda 439 (Single Stabilized) /4510</b>												
	S43035 / 1.4510	36											
	17.0% Cr min / 0.03% C max / 0.15% Al max	39.37	10 - 26	10 - 29	10 - 26	18 - 28							
Ti [0.20 + 4 (C+N)] min, 1.10 max	49.21	10 - 26	10 - 28	16 - 26	18 - 28								
	51.18	10 - 26	10 - 28	16 - 26	18 - 28								
<b>Moda 439M (Dual Stabilized)/4510</b>													
S43932 / 1.4510	36												
17.0% Cr min / 0.30% Al max	48												
Ti + Nb [0.20 + 4 (C+N)] min, 0.75 max	49.21	10 - 26	10 - 28	16 - 26	18 - 28								
	51.18	10 - 26	10 - 28	16 - 26	18 - 28								
<b>Core 441/4509</b>													
S43940 / 1.4509	36	10 - 26	10 - 29	10 - 26	18 - 28	18 - 28							
17.5% Cr	39.37	10 - 26	10 - 29	10 - 26	18 - 28	18 - 28							
Ti 0.10-0.60%; Nb [0.30 + (3 x C)] min	48												
	49.21	10 - 26	10 - 28	16 - 26	18 - 28	18 - 28							
	51.18	10 - 26	10 - 28	16 - 26	18 - 28	18 - 28							

# Classic and Pro Grades Manufactured in Europe



Alloy	Grade UNS/DIN	Width Inches	Hot Rolled	Cold Rolled	Cold Rolled	Cold Rolled	Temper Rolled / Gauge							
			No. 1 Inches	2B Gauge	2E Gauge	BA Gauge	1/8	1/4	1/2	3/4	FH			
<b>Core 305</b> S30500 / 1.4303 17.7% Cr / 12.5% Ni / 0.04% C		36												
		48	.118 - .315	.012 - .250	.063 - .177	.120 - .138								
		60	.138 - .305	.028 - .250	.079 - .177	.020 - .138								
		72												
<b>Therma 309S</b> S30908 / 1.4833 22.3% Cr / 12.3% Ni / 0.06% C		36												
		48	.135 - .500		.012 - .177									
		60	.1875 - .500		.020 - .315									
		72	.236 - .500		.0595 - .315									
<b>Therma 310S</b> S31008 / 1.4845 25.5% Cr / 19.1% Ni / 0.05% C		36												
		48	.105 - .500		.020 - .177									
		60	.177 - .500		.020 - .315									
		72	.236 - .500		.059 - .315									
<b>Supra 316Ti</b> S31635 / 1.4571 16.8% Cr / 10.9% Ni / 0.04% C / 2.1% Mo		36												
		48	.118 - .500	.012 - .250										
		60	.197 - .315	.028 - .250										
		72	.157 - .500	.059 - .250										
<b>Ultra 317L</b> S31703 / 1.4438 18.2% Cr / 13.7% Ni / 0.02% C / 3.1% Mo		36												
		48	.197 - .394		.059 - .177									
		60	.197 - .394		.059 - .256									
		72	.197 - .394		.118 - .256									
<b>Core 321</b> S32100 / 1.4541 17.3% Cr / 9.1% Ni / 0.04% C / Ti (other)		36												
		48	.106 - .315	.016 - .250		.020 - .188								
		60	.118 - .315	.028 - .250		.020 - .188								
		72	.157 - .500	.059 - .250										
<b>Therma 321H</b> 1.4878 17.3% Cr / 9.1% Ni / 0.05% C / Ti (other)		36												
		48	.106 - .315	.016 - .250		.020 - .188								
		60	.118 - .315	.028 - .250		.020 - .188								
		72	.157 - .500	.059 - .250										
<b>Supra 444</b> S44400 / 1.4521 18.0% Cr / 0.02% C / Nb Ti (other)		36												
		48		.024 - .118		.012 - .059								
		60		.024 - .118										
		72												
<b>Ultra 254SMO</b> S31254 / 1.4547 20.0% Cr / 18.0% Ni / 0.01% C / 6.1% Mo / 0.20% N / Cu (other)		36												
		48			.059 - .177									
		60	.236 - .250		.059 - .250									
		72			.059 - .250									
<b>Ultra 6XN</b> N08367/N08926 / 1.4529 20.5% Cr / 24.8% Ni / 0.01% C / 6.5% Mo / 0.20% N / Cu (other)		36												
		48			.059 - .138									
		60	.312 - .315		.075 - .250									
		72												
<b>Ultra 825</b> N08825 / 2.4845 Pending		43												
		48			.059 - .177									
		60												
		72												
<b>Ultra 904L</b> N08904 / 1.4539 19.8% Cr / 24.2% Ni / 0.01% C / 4.3% Mo / 1.4% Cu		36												
		48	.157 - .394		.020 - .177									
		60	.236 - .394		.059 - .276									
		72	.276 - .394		.059 - .276									
<b>Forta FDX 27</b> S82031 / 1.4637 19.0 - 22.0% Cr / 2.0 - 4.0% Ni / <0.04% C / 0.6% - 1.4% Mo / 0.14% - 0.24% N / <2.5% Mn		36												
		48			.016 - .145									
		60												
		72												
<b>Forta LDX 2101</b> S32101 / 1.4162 21.5% Cr / 1.5% Ni / 0.03% C / 0.3% Mo / 0.22% N / 5%Mn Cu		36												
		48	.118 - .394		.059 - .157									
		60	.134 - .394	.157 - .250	.059 - .250									
		72	.197 - .394	.157 - .250	.059 - .250									
<b>Forta DX2205</b> S32205 / 1.4462 22.4% Cr / 5.7% Ni / 0.02% C / 3.1% M / 0.17% N		36												
		48	.138 - .394		.016 - .145									
		49.21	.157 - .236		.079 - .157									
		60	.157 - .394		.059 - .236									
		72	.197 - .354		.059 - .236									

# Classic and Pro Grades Manufactured in Europe



Alloy	Grade UNS/DIN	Width Inches	Hot Rolled	Cold Rolled	Cold Rolled	Cold Rolled	Temper Rolled / Gauge					
			No. 1 Inches	2B Gauge	2E Gauge	BA Gauge	1/8	1/4	1/2	3/4	FH	
<b>Forta DX 2304</b>												
	S32304 / 1.4362	36										
	23.0% CR / 4.8% N / 0.02% C / 0.3% Mo / 0.10% N / Cu	48				.059 - .157						
	(other)	60	.157 - .394			.059 - .236						
		72	.197 - .354			.059 - .236						
<b>Forta LDX 2404</b>												
	S82441 / 1.4662	51.2	.157 - .354			.016 - .157						
	24 % Cr / 3.6 % Ni / 0.02 % C / 1.6 % Mo / 0.27 % N / 3 % Mn / Cu (other)	60	.157 - .354			.059 - .236						
		78.7	.157 - .354			.059 - .236						
<b>Forta SDX 2507</b>												
	S32750 / 1.4410	36										
	25.0% Cr / 7.0% N / 0.02% C / 4.0% Mo / 0.27% N	48										
		60	.217 - .315			.059 - .236						
		72				.118 - .236						
<b>Core 4622</b>												
	S44330/1.4622	36										
	21.0% Cr / 0.02% C / Ti Nb Cu (other)	48		.020 - .118		.118 - .177						
		59.055		.0315 - .118		.118 - .177						
		60		.0310 - .118		.118 - .177						
		72										
<b>Dura 17-7PH</b>												
	S17700/1.4568	36										
	17.0% Cr / 0.08% C / 7.0% Ni / Al (other)	49.21				.032 - .078						
		60										
		72										