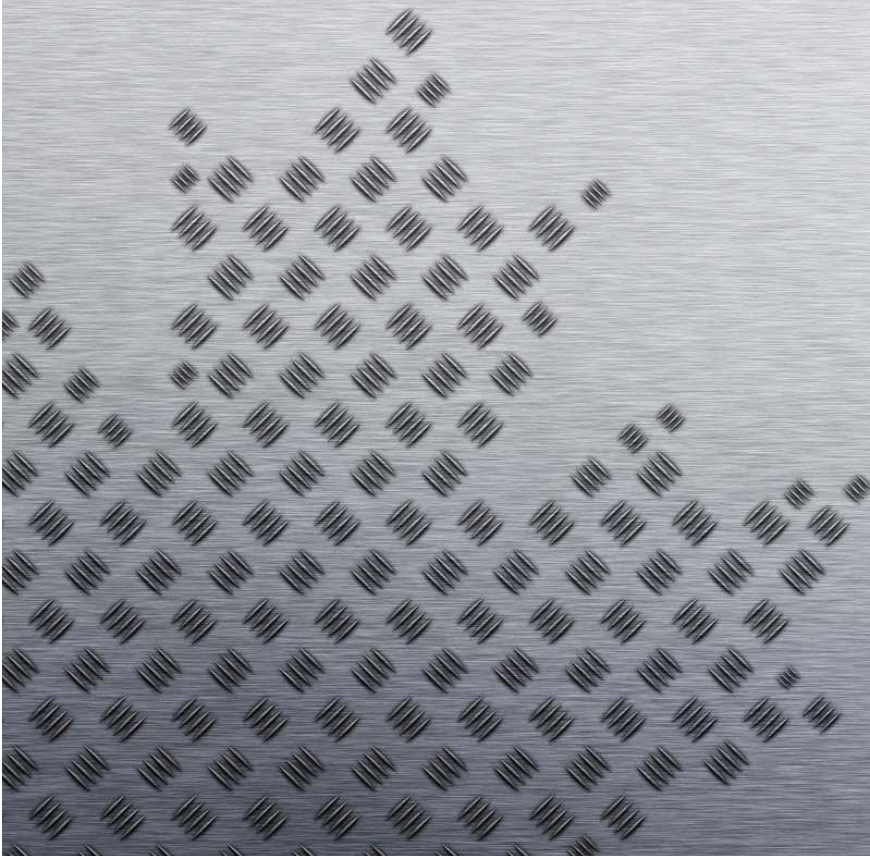




Providing a World of Metals to Canada.



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Diversified is a stainless steel and aluminum service center providing sheet, plate, bar, strip, tubing and structural angle to the Canadian market since 1971. After joining the Ulbrich family of companies in 1997, we expanded our product line and processing capabilities to offer a full line of products and services to our valued customers.

With the Ulbrich purchasing network, we are able to offer the highest quality stainless steel and aluminum from only the most reputable mills and manufacturers.

Local Service Centers - Global Inventory

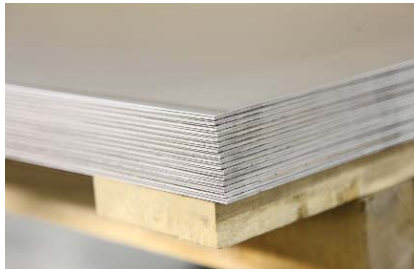
Located strategically in both Toronto and Montreal, our Diversified facilities total over 150,000 square feet of warehouse and production space. Our products are in stock and ready to ship same day and next day.



Products

Aluminum Sheet	3003 H14, 5052 H32	.032" - .249" up to 72" wide
Aluminum Plate - Diamond Pattern	3003 H22	.062" - .250" up to 72" wide
Aluminum Extrusions - Solid and Hollow	6063 T5, 6061 T6	Contact us for standard and custom-shaped extrusions.
Stainless Sheet	201, 301, 304, 304L, 309, 316, 316L, 321, 409, 410, 410S, 430, 439	7 gauge - 28 gauge (.1793 to .0149") up to 72" wide
Stainless Plate: Smooth and Diamond Pattern	201, 201LN, 301, 301LN, 304, 304L, 304H, 309S, 310S, 316, 316L, 321, 254SMO, 2205	.1875" - 2" thick and up to 120" wide
Stainless Bar: Round, Flat, Square, Hex	303, 304, 304L, 316, 316L, 17-4 PH	.1875" - 14" diameter and flats up to 12" wide
Stainless Tubing: Round, Square and Rectangular	304, 304L, 316, 316L	O.D.'s from .125" to 12" and wall thickness from .035" to .50"
Stainless Angle: Equal Leg and Unequal Leg	304, 304L, 316, 316L	.750" x .750" x .125" up to 6" x 6" x .500"
Stainless Slit Coil and Precision Rolled Strip	Over 150 alloys in stainless, nickel, titanium, cobalt, niobium and more	.0005" to .135" and widths from .020" to 36"

Please visit www.diversifiedulbrich.ca for additional product information



Diversified has a vast selection of Stainless and Aluminum Sheet. If you require custom sizes we can level sheet coil to your exact specifications.

Quality is Our Policy

High quality products and great service is what makes Diversified stand out from the competition. Our products are mill certified to international specifications and our facilities are ISO 9001. We have a professional and highly trained staff of sales and support personnel ready to assist you with material selection and ordering needs.



Applications



Diversified's stainless steel and aluminum alloys are used in a wide range of products such as: Automotive, Chemical, Medical, Architectural, Marine and Food Service Equipment.

Processing Services

Sheet Products

- Shear
- Coil Leveling
- Protective coatings - (PVC) in various colors and wide widths.

Plate Products

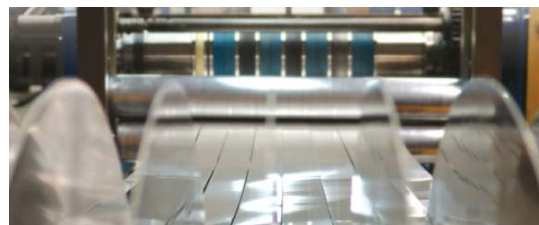
- Shear
- Plasma
- Coil leveling
- Protective coatings - (PVC) in various colors and wide widths.

Bar, Tubing and Angle

- Cut to length

Coil

- Slitting - Stainless steel and special metals slit to your custom width
- Precision Rolling- Precision rolled to exacting dimensions in both thickness and width
- Coil Leveling



Alloy/UNS	Description	C Max	Ni	Cr	Mn	Other	Density
AUSTENITIC							
201 S20100	Chromium nickel manganese steel was developed as a satisfactory alternative for Type 301 for many applications.	.15	3.3-5.5	16.0-18.0	5.5-7.5	P .06 Max S .03 Max N .025 Si 1.0 Max	0.28
201LN ⁸² S20153	An austenitic stainless steel developed for transportation, cryogenic containment.	.03	4.0-5.0	16-17.5	6.40-7.50	P .045 Max S .015 Max Si .75 Max N .10/.25 Cu 1.0 Max	.28
301 S30100	Chromium nickel steel capable of attaining high tensile strength and ductility by moderate or severe cold working.	.15	6.0-8.0	16.0-18.0	2.0 Max	P .045 Max S .03 Max Si 1.0 Max	.29
301LN S30153	301LN is a higher nitrogen content version of 301L to compensate for the lower carbon.	.03	6.0-8.0	16.5-18.5	2.0 Max	P .045 Max S .03 Max Si 1.0 Max	.29
302 S30200	General purpose chromium nickel stainless steel. Its corrosion resistance is superior to that of Type 301. It can be cold worked to high tensile.	.15	8.0-10.0	17.0-19.0	2.0 Max	P .045 Max S .03 Max Si 1.0 Max	.29
303 S30300	Free machining grade (sulfur added) with good machinability, corrosion resistance and strength.	.15	8.0-10.0	17.0-19.0	2.0 Max	P .20 Max Si 1.0 Max S .15 Min	.282
304 S30400	Low carbon chromium nickel stainless and heat resisting steel somewhat superior to Type 302 in corrosion resistance.	.08	8.0-10.5	18.0-20.0	2.0 Max	P .045 Max S .03 Max Si 1.0 Max	.29
304H S30409	Controlled carbon grade of 304 for increased strength at operating temperatures above 800 degrees Fahrenheit.	.04-1.0	8.0-10.5	18.0-20.0	2.0 Max	P .04 Max Si 1.0 Max S .03 Max	.285
304L S30403	Very low carbon chromium nickel steel with general corrosion resistance similar to Type 304 but with superior resistance to intergranular corrosion following welding or stress relieving.	.03	8.0-12.0	18.0-20.0	2.0 Max	P .045 Max S .03 Max Si 1.0 Max	.29
309 S30900	High corrosion-resistant, chromium nickel grade with carbon limited to .08	.08	12.0-15.0	22.0-24.0	2.0 Max	P .045 Max S .03 Max Si 1.0 Max	.29
309S S30908	Controlled carbon version of 309. 309S maintains corrosion resistance at higher operating temperatures.	.08	12.0-15.0	22.0-24.0	2.0 Max	P .045 Max Si 1.0 Max S .03 Max	.29
310 S31000	Similar to 309 with higher resistance to corrosion and oxidation at elevated temperatures.	.25	19.0-22.0	24.0-26.0	2.0 Max	P .045 Max S .03 Max Si 1.50 Max	.29
310S S31008	Maintains good strength and corrosion resistance at higher operating temperatures.	.08	19.0-22.0	24.0-26.0	2.0 Max	P .045 Max S .030 Max Si 1.50 Max	.29
316 S31600	Chromium nickel stainless and heat resisting steel with superior corrosion resistance to other chromium nickel steels when exposed to many types of chemical corrodents; superior creep strength at elevated temperatures.	.08	10.0-14.0	16.0-18.0	2.0 Max	P .045 Max S .03 Max Si 1.0 Max Mo 2.0-3.0	.29
316L S31603	Low carbon chromium nickel stainless steel with general corrosion resistance similar to Type 316 but with superior resistance to intergranular corrosion following welding or relieving.	.03	10.0-14.0	16.0-18.0	2.0 Max	P .045 Max S .03 Max Si 1.0 Max Mo 2.0-3.0	.29
321 S32100	Chromium nickel steel containing titanium. Recommended for parts fabricated by welding which cannot be subsequently annealed. Also recommended for parts to be used at temperatures between 800°F and 1850°F.	.08	9.0-12.0	17.0-19.0	2.0 Max	P .045 Max S .03 Max Si 1.0 Max Ti 5xC Min	.29
254 SMO S31254	Highly resistant to crevice corrosion, pitting and chloride stress. Used in chemical, salt water, scrubbers and pulp/paper industry.	.020	17.5-18.5	19.5-20.5	1.0 Max	P .030 Max S .010 Max Cu .50-1.0 N .18-.22	.287

Alloy/UNS	Description	C Max	Ni	Cr	Mn	Other	Density
FERRITIC 409 S40900	Corrosion resistant at elevated temperatures. Fair strength properties and formability while maintaining reasonable cost. Many auto applications.	.08		10.5-11.75	.5 Max	P .045 Max Si 1.0 Max S .045 Max	.278
410 S41000	General purpose corrosion and heat resisting chromium steel. Good corrosion resistance and fair machining properties. Can be treated to RC35/45.	.15		11.5-3.5	1.0 Max	P .04 Max S 1.0 Max Si 1.0 Max	.28
410S S41008	Alloy 410S is a low carbon, non-hardening modification of Alloy 410.	.08	.60 Max	11.5-14.5	1.0 Max	P .040 Max Si .040 Max S .030 Max	.28
MARTENSITIC 430 S43000	General purpose grade, corrosion-resistant, straight chromium grade, non heat-treatable.	.12		16.0-18.0	1.0 Max	P.04 Max S .03 Max Si 1.0 Max	.28
439 S43035	Designed with added titanium for applications where chloride stress is an issue.	.04	.50 Max	17.0-18.0	1.0 Max	Si .60 Max Ti .20- .60	.278
PRECIPITATION HARDENING 17-4PH S17400	Precipitation hardening stainless steel with high strength and good corrosion resistance to 600°F. Used in aerospace, chemical, petrochemical, paper and metalworking industries.	.07	3.0-5.0	15.0-17.5	1.0 Max	P .04 Max Si 1.0 Max Cu 3.0-5.0	.28
DUPLEX 2205 S32205	A nitrogen, molybdenum enhanced austenitic-ferritic duplex stainless steel with general corrosion resistance similar to 904L, but with a yield strength nearly double that of austenitic	.03	4.5-6.5	22.0-23.0			.28
ALUMINUM 3003 H14 A93003	Non heat-treatable alloy with good corrosion resistance and moderate strength. Can develop strength with cold working				1-1.5	Al - Balance Cu .05-.20 Fe .7 Max Remainder Each .05 max Remainder Total .15 Max Si .6 Max Zn .1	.099
5052 H32 A95052	Higher strength non-heat-treatable alloys with high fatigue strength vibration. The alloy has excellent corrosion resistance and formability.			.15-.35	.1 Max	Al-Balance Cu .1 Max Magnesium 2.2-2.8 Remainder Each .05 Remainder Total .15 Si+Fe .45 Max Zn .1 Max	.097
NICKEL ALLOYS Monel® 400 ¹ N04400	A solid solution alloy with high strength and toughness over wide temp. ranges. Used in electronic components, springs. Corrosion resistant and oxidation resistance to 1000°F.	.15	66.5 Max		1.0 Max	Fe 1.25 Max Si .50 Max Cu 31.5 Max S .01 Max	.318
Inconel® 600 ¹ N06600	Has high corrosion and heat resistance combined with excellent strength and workability. Mainly used in corrosive atmospheres. Oxidation resistance to 2150°F.	.08	76 Max	15.5 Max	.50 Max	Cu .25 Max	.304
Invar 36 ³ S31254	Alloy possessing a low coefficient of thermal expansion. Used in clocks and other expansion sensitive applications.	.05	36 Nominal	.25 min		Cobalt .5 nominal Si .40 Max S .015 Max	.291

¹ Trademark of Special Metals Corporation

² Trademark of Allegheny Ludlum Corporation

³ Trademark of Carpenter Technologies

This chart is intended for reference only and not for design.



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