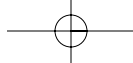


Stainless Steel

Diversified Ulbrich of Canada



High Quality Stainless Steel For Canada's Growing Industries

Diversified Ulbrich of Canada is a service center specializing in high quality stainless steel in its various product forms, grades and finishes.

Serving the Canadian market since 1971, we supply sheet, plate, bar and tube from two well stocked service centers in Canada's major industrial centers.

Processing Operations

For the convenience of our customers we also provide in-house processing services. These include shearing and plasma cutting to precise widths, lengths or shapes. Protective coating can be applied in a variety of colours and adhesiveness up to 60 inches wide.



Sheet is cut to accurate lengths and widths on this high capacity shear.

We can provide same-day or next day delivery for material in stock, slightly longer if processing is required.

Our Product Offering Includes:

- Sheet and coils in a variety of grades, gauges and finishes
- Plate in a wide range of thickness, widths, lengths and surface finishes.
- Bar in flat, round, square and hexagonal cross sections in stainless steel and special metal alloys.
- Angles in several grades and sizes.
- Round, square and rectangular tube.

We control the quality of our products by only dealing with the most reputable producers of stainless steel worldwide. All material in stock is fully certifiable to major international specifications. Traceability is referenced by computer and the inventory is updated instantaneously at the point of order.

Both of our locations are large enough to accommodate generous inventories; 56,000 square feet in Toronto, 40,000 square feet in Montreal.



Response to customer inquiries is immediate with our inventory tracking system.

A Tradition of Quality and .

In Canada, the "Diversified" name has been associated with the highest quality stainless steel and superior customer service since our inception in 1971. Our affiliation with Ulbrich Stainless Steels and Special Metals, another mill service center organization focused on high performance metals and alloys, gives us additional

resources to meet the growing demands of today's market.

Applications

Diversified Ulbrich of Canada serves a large cross section of Canadian industry, including producers of processing equipment, food equipment, automotive, pulp and paper, electronics and custom fabrication markets.

For all your stainless needs, contact Diversified Ulbrich of Canada.

Whatever the size of your order, we can process it quickly and efficiently. As the accompanying photographs show, our plants are fully equipped for meeting today's most demanding requirements. Call today.

Extensive inventories in both Toronto and Montreal have made us one of Canada's most reliable suppliers.



Stainless steel and super alloy strip and wire products are available from affiliated service centers.



Trucks are loaded indoors using one of our two overhead cranes.



Clear or color coded coatings are applied to stainless steel sheet to protect the material during shipment and manufacture. Plastic sheeting in various mil thicknesses and levels of adhesion are available.

Stainless Steel Grades And Chemistries

Alloy/UNS	DESCRIPTION	C MAX	NI	Cr	OTHER (MAX)				AMS*	ASTM*	DENSITY (lb./cu. in.)
AUSTENITIC GRADES											
201 S20100	Chromium nickel manganese steel was developed as a satisfactory alternate for Type 301 for many applications.	.15	3.5-5.5	16.0-18.0	Mn P S	5.5-7.5 .06 .03	Si N	1.00 .025		A-412 A-666	.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	Mn P	2.00 .045	S Si	.03 1.00	5517 5518 5519	A-167 A-666	.28
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 strengths but with slightly lower ductility than Type 301.	.15	7.0-10.0	17.0-19.0	Mn P S	2.00 .045 .03	Si	1.00	5515 5516	A-167 A-240 A-666	.29
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	Mn P	2.00 .045	S Si	.03 1.00	5513 5501	A-167 A-240 A-666	.29
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. It is recommended for use in parts which are fabricated by welding and which cannot be subsequently annealed.	.03	8.0-12.0	18.0-20.0	Mn P	2.00 .045	S Si	.03 1.00	5511	A-167 A-240 A-666	.29
305 S30500	A high corrosion-resistant alloy with low rate of work hardening, designed for extra deep drawing and spinning.	.12	10.5-13.0	17.0-19.0	Mn P S	2.00 .045 .03	Si	1.00	5514	A-167 A-240	.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	Mn P S	2.00 .045 .03	Si Mo	1.00 2.00-3.00	5524	A-167 A-240 A-666	.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. It is recommended for use in parts which are fabricated by welding and which cannot be subsequently annealed.	.03	10.0-14.0	16.0-18.0	Mn P S	2.00 .045 .030	Si Mo	1.00 2.00-3.00	5507	A-167 A-240 A-666	.29
321 S32100	Chromium nickel steel containing titanium which is 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	Mn P S	2.00 .045 .03	Si Ti	1.00 5xC MIN.	5510	A-167 A-240	.29
347 S34700	Chromium nickel steel containing columbium and tantalum which is 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	9.0-13.0	17.0-19.0	Mn P	2.00 .045	S Si	.03 1.00	5512	A-167 A-240	.29
FERRITIC GRADES											
409 S40900	General purpose construction stainless steel primarily intended for automobile exhaust structures and other applications.	.08		10.5-11.75	Mn P	1.00 .045	S Si	.045 1.00		A-176	.28
430 S43000	General purpose grade, corrosion-resistant, straight chromium grade, non-heat-treatable.	.12		16.0-18.0	Mn P	1.00 .04	S Si	.03 1.00	5503	A-176 A-240	.28
434 S43400	Modification of Grade 430 designed for automotive trim and resistance to atmospheric corrosion.	.12		16.0-18.0	Mn P S	1.00 .04 .03	Si Mo	1.00 .75-1.25		A-651	.28
MARTENSITIC GRADES											
410 S41000	General purpose corrosion and heat resisting chromium steel. Good corrosion resistance and fair machining properties. Can be treated to RC35/49.	.15		11.5-13.5	Mn P	1.00 .04	S Si	.03 1.00	5504	A-176 A-240	.28
420 S42000	Chromium steel capable of hardening to a maximum of approximately RC53/58.	.15 min.		12.0-14.0	Mn P	1.00 .04	S Si	.03 1.00	5506	A-176	.28
PRECIPITATION HARDENING GRADES											
17-7 PH™ S17700	A chromium nickel stainless steel with characteristics of good workability, easy hardening, high strength, and excellent mechanical properties at elevated temp., can be heat treated at relatively low temperature for high strength properties.	.09	6.5-7.75	16-18	Al Si	.75-1.5 1.0	P S	.04 .03	5528 5529	A-693	.282

*Trademark of Armco, Inc.

Our products are also available in nickel alloys, cobalt alloys, titanium, titanium alloys and other grades of stainless steel.

Diversified Ulbrich of Canada is a division of Ulbrich Stainless Steels & Special Metals, Inc. (www.ulbrich.com). Other affiliated divisions include:

- Ulbrich Specialty Strip Mill
- Ulbrich of Illinois
- Aerodyne Ulbrich Alloys
- Ulbrich Shaped Wire
- Ulbrich of Georgia
- Ulbrich of UK
- Ulbrich of New England
- Ulbrich of California
- Ulbrinox of Mexico

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