

The California Transparency in Supply Chains Act of 2010 requires large manufacturers and retailers doing business in the State of California to disclose efforts to eradicate slavery and human trafficking from their supply chains.

Searing Industries ("the Company") is committed to ensuring that our supply chain reflects our respect for human rights. We fully support efforts to combat, prohibit, and prevent human trafficking and slavery. In support of this philosophy and in compliance with the California Transparency in Supply Chains Act of 2010 (SB 657), the Company states as follows:

- I. **VERIFICATION.** The Company conducts periodic evaluations of its supply chain. Large suppliers in the US, Europe and other developed countries are considered to be low risk for violating slavery and human trafficking laws. The Company has not employed a third party for verification.
- II. **AUDIT.** The Company expects all suppliers to follow all applicable laws in the jurisdictions where they do business and we depend on our suppliers to audit their businesses for compliance. Because of the overall low risk in the supply chain of the entities under our control, we do not currently audit suppliers for compliance.
- III. **CERTIFICATION.** The Company does not require suppliers to certify that products are made in compliance with the laws regarding human trafficking and slavery of the countries in which they are doing business; however, we will consider this option if it is determined a vendor is considered to be high risk. If we suspect a supplier is involved in these activities, we will conduct an inquiry and take corrective action where appropriate.
- IV. **ACCOUNTABILITY.** Company employees managing procurement and supply chain matters are required to seek agreement from relevant suppliers regarding the supplier's compliance with applicable laws.
- V. **TRAINING.** The Company provides training to all supply chain personnel regarding their role in preventing human trafficking and slavery as well as identification of risk.

SIZE	GAUGE	WT/FT	PCS/BDL	LBS/BDL 20'	LBS/BDL 24'
1/2" rd	18	0.236	200	944	1133
	0.065	0.302	200	1208	1450
5/8" rd	20	0.221	217	959	1151
	19	0.262	217	1137	1364
	18	0.301	217	1306	1568
	16	0.362	217	1571	1885
3/4" rd	20	0.267	150	801	961
	19	0.318	150	954	1145
	18	0.367	150	1101	1321
	16	0.442	150	1326	1591
	14	0.541	150	1623	1948
7/8" rd	20	0.314	150	942	1130
	19	0.374	150	1122	1346
	18	0.432	150	1296	1555
	16	0.522	150	1566	1879
	14	0.641	150	1923	2308
	0.083	0.702	150	2106	2527
840" rd	13	0.756	150	2268	2722
1" rd	20	0.361	127	917	1100
	19	0.43	127	1092	1311
	18	0.498	127	1265	1518
	16	0.602	127	1529	1835
	14	0.741	127	1882	2259
	0.083	0.813	127	2065	2478
	13	0.875	127	2223	2667
	11	1.128	127	2865	3438
	1030" rd	0.095	0.949	127	2410
1050" rd	14	0.781	127	1984	2380
	0.083	0.857	127	2177	2612
	100	1.096	127	2784	3341
1-1/8" rd	18	0.563	91	1025	1230
	16	0.682	91	1241	1489
1-1/4" rd	20	0.454	91	826	992
	18	0.629	91	1145	1374
	16	0.763	91	1389	1666
	14	0.941	91	1713	2055
	0.083	1.034	91	1882	2258
	13	1.115	91	2029	2435
	11	1.448	91	2635	3162
1.312" rd	18	0.661	91	1203	1444
	16	0.803	91	1461	1754
	14	0.991	91	1804	2164
	120	1.528	91	2781	3337
1-3/8" rd	18	0.694	91	1263	1516
	16	0.843	91	1534	1841
	14	1.041	91	1895	2274
1-7/16" rd	14	1.091	91	1986	2383
1-1/2" rd	20	0.548	91	997	1197
	18	0.759	91	1381	1658
	16	0.923	91	1680	2016
	14	1.141	91	2077	2492
	0.083	1.256	91	2286	2743
	13	1.355	91	2466	2959
	120	1.769	91	3220	3863

Continued on next page →



SIZE	GAUGE	WT/FT	PCS/BDL	LBS/BDL 20'	LBS/BDL 24'
1-5/8" rd	20	0.594	91	1081	1297
	18	0.825	91	1502	1802
	16	1.003	91	1825	2191
	14	1.242	91	2260	2713
	13	1.475	91	2685	3221
	120	1.929	91	3511	4213
1690" rd	13	1.538	75	2307	2768
1-3/4" rd	18	0.89	91	1620	1944
	16	1.083	91	1971	2365
	14	1.342	91	2442	2931
	0.083	1.475	91	2685	3221
	13	1.596	91	2905	3486
	120	2.089	61	2549	3058
1-7/8"rd	18	0.9184	61	1120	1345
	16	1.163	61	1419	1703
1900" rd	16	1.179	91	2146	2575
	13	1.74	91	3167	3800
	120	2.282	91	4153	4984
2" rd	18	1.021	91	1858	2230
	16	1.243	91	2262	2715
	14	1.542	91	2806	3368
	0.083	1.699	91	3092	3711
	13	1.836	91	3342	4010
	120	2.409	91	4384	5261
2-1/8" rd	18	1.086	61	1325	1590
	16	1.323	61	1614	1937
2-1/4" rd	18	1.152	61	1405	1687
	16	1.403	61	1712	2054
	14	1.74	61	2123	2547
	0.083	1.921	61	2344	2812
	13	2.186	61	2667	3200
	120	2.73	61	3331	3997
2-3/8" rd	16	1.485	44	1307	1568
2-1/2" rd	18	1.283	44	1129	1355
	16	1.564	44	1376	1652
	14	1.942	44	1709	2051
	0.083	2.143	44	1886	2263
	120	3.051	44	2685	3222
3" rd	18	1.544	37	1143	1371
	16	1.884	37	1394	1673
	14	2.343	37	1734	2081
	0.083	2.586	37	1914	2296
	13	2.797	37	2070	2484
	120	3.691	37	2731	3278
3-1/4" rd	18	1.675	24	804	965
	0.065	2.2111	24	1061	1274
3-1/2" rd	0.065	2.385	24	1145	1374
4" rd	0.065	2.732	24	1311	1574
	120	4.97	10	994	1193



STRUCTURAL STEEL TUBING

Solid Metal

Melting Point:
2750° F

Appearance:
Grey-Black

Odor:
None

Specific Gravity (H₂O=1):
Greater than 7

TYPICAL CHEMICAL COMPOSITION & HAZARD DATA

Ingredient	CAS #	Weight %	Hazard Data (1984 TLV's)
Iron	7439-89-6	Balance	5mg/M_for iron oxides fumes
Carbon	7440-44-0		Not listed
Manganese	7439-96-5	1.7 max	5mg/M_fumes & dust
Phosphorus	7723-14-0	.15 max	None for inorganic phosphates
Sulfur	7704-34-9	.35 max	5mg/M_as SO ₂
Columbium	7440-25-7	.10 max	None established
Vanadium	7440-62-2	.20 max	.005mg/M_Al metal & oxide
Aluminum	7429-90-5	.10 max	10 mg/M_Al metal & oxide
Copper	7440-50-8	.20 - 0.6	0.2 mg/M_Copper fume 1 mg/M_Copper dust

HEALTH HAZARD DATA

Steel products under normal conditions do not present a health hazard. However, when subjected to welding, burning, grinding, abrasive blasting, heat treatment, pickling or similar operations, potentially hazardous fumes or dusts may be emitted.

Primary Route of Entry	Inhalation
Health Hazards	Iron (iron oxide): Irritation of eyes, nose, throat Metallic taste in mouth or metal fume fever
Effects of Exposure	Iron (iron oxide): Pulmonary (upper respiratory) effects, siderosis. Manganese: pneumonitis, bronchitis, lack of coordination
Carcinogenic Hazard	Not considered to be carcinogenic
Emergency and First Aid Procedures	In the event of exposure to high concentrations of metal fumes, remove person to fresh air, administer oxygen and seek prompt medical attention

FIRE AND EXPLOSION DATA	
Flash Point:	N/A
Extinguishing Media:	Use methods applicable to surrounding area
Flammable Limits:	N/A
Unusual Fire & Explosion Hazards:	NONE
Special Fire Fighting Procedures:	N/A

REACTIVITY DATA

Steel is considered stable under normal circumstances. Will react with string acid. At elevated temperatures, it may liberate metal fumes, iron oxides and oxides of other alloying elements.

SPECIAL PROTECTION INFORMATION

Steel is considered stable under normal circumstances. Will react with string acid. At elevated temperatures, it may liberate metal fumes, iron oxides and oxides of other alloying elements.

WASTE DISPOSAL METHODS

Disposal of in accordance with Federal, State and/or local waste regulations.

OTHER INFORMATION

Castrol Fluidform 107 used as coolant during manufacturing of structural steel tubing.

As of Jan. 2016

The information contained in the Material Safety Data Sheet is believed to be correct, but Searing Industries makes no representations, guarantees or warranties of any kind as to its absolute accuracy.

SEARING INDUSTRIES MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND ANY IMPLIED WARRANTIES OTHERWISE ARISING FROM COURSE OF DEALING OR TRADING.



COLD-FORMED ERW ROUND, SQUARES AND RECTANGULAR STRUCTURAL STEEL TUBING IN GRADES B AND C.

All Searing Industries structural tubing is produced in accordance with the mechanical and chemical property requirements of ASTM A500, Grades B & C.

CHEMICAL COMPOSITION	GRADE B	GRADE C
Carbon, max %	0.26	0.23
Manganese, max %	-----	1.35
Phosphorus, max %	0.04	0.04
Sulphur, max %	0.05	0.05
Copper, when copper steel is specified, min %	0.20	0.20

OUTSIDE DIMENSION TOLERANCES FOR SQUARE & RECTANGLE STRUCTURAL TUBING	
LARGEST OUTSIDE DIMENSION (IN)	PLUS/MINUS*
2-1/2" and Under	0.02
2-1/2" to 3-1/2"	0.025
3-1/2" to 5-1/2"	0.03
5-1/2" and over	1% of large flat dimension

MECHANICAL PROPERTIES - SHAPES	GRADE B	GRADE C
Tensile Strength, min psi	58,000	62,000
Yield Strength, min psi	46,000	50,000
Elongation in 2" min	23%	21%

NOTES:

Straightness - The permissible variation for straightness of structural tubing shall be 1/8 in. times the number of feet of total length divided by 5.

Radius of Corners - The radius of any outside corner shall not exceed 3.0 times the specified wall thickness.

Wall Thickness - $\pm 10\%$ of nominal wall thickness, as measured at the center of the flat.

MECHANICAL PROPERTIES - ROUNDS	GRADE B	GRADE C
Tensile Strength, min %	58,000	62,000
Yield Strength, min %	42,000	46,000
Elongation in 2" min	23%*	21%*

PERMISSIBLE VARIATIONS IN TWIST FOR SQUARE & RECTANGULAR STRUCTURAL TUBING	
SPECIFIED OUTSIDE LARGE FLAT DIMENSION	MAXIMUM TWIST IN 3 FEET
Over 1-1/2" to 2-1/2"	0.062"
Over 2-1/2" to 4"	0.075"
Over 4" to 6"	0.087"
Over 6" to 8"	0.100"
Over 8"	0.112"

TOLERANCES, OUTSIDE DIMENSION, O.D. RANGE, ROUND TUBING		
ROUND TUBING	BWG GAUGE	FLASH IN TUBING TOLERANCES IN.
1/2 to 5/8" Incl.	22-16	± .003
Over 5/8 to 1-1/8" Incl.	22-11	± .0035
Over 1-1/8 to 2" Incl.	22-11	± .005
Over 2 to 2-1/2" Incl.	20-11	± .006
Over 2-1/2 to 3" Incl.	20-11	± .008
Over 3 to 4" Incl.	18-11	± .010
*Measured at least 2" from cut end of tubing.		

STRAIGHTNESS TOLERANCE FOR ROUND TUBING
1/32" per every 3ft of tubing

OVALITY (HOT AND COLD ROLLED STEEL)
The ovality maybe 50% greater then the outside tolerances but the mean outside diameter shall be within the specific tolerance.

LENGTH TOLERANCES	
Mill Cut Full Lengths	-0 +1"
Cut-Length	± 1/32"

TOLERANCES, SQUARE AND RECTANGULAR	
Wall Thickness Tolerance, Square & Rectangular Tubing	±10% of nominal wall thickness
Straightness Tolerance Square & Rectangular Tubing	max. = 1/16" in 3'
Squareness of Sides Tolerance	max. = wide side (inches) x .006"

TWIST TOLERANCES	
LARGEST DIMENSION, (inches)	TOLERANCE IN 3 FEET (inches)
1/2 and Under	0.032
Over 1/2 to 1-1/2, Incl.	0.050
Over 1-1/2 to 2-1/2, Incl.	0.062
Over 2-1/2 to 4, Incl.	0.075

TOLERANCES, OUTSIDE DIMENSIONS, SQUARE & RECTANGULAR TUBING*	
WIDEST SIDE (inches)	TOLERANCES (inches)
1/2 to 5/8" Incl.	± .004
Over 5/8 to 1-1/8"	± .005
1-1/8 to 1-1/2"	± .006
1-1/2 to 2"	± .008
2 to 3"	± .010
3 to 4"	± .020

WALL THICKNESS TOLERANCES FOR COLD ROLLED ROUND TUBING

WALL THICKNESS		OUTSIDE DIAMETER (inches)					
		3/8 TO 7/8 INCL.		OVER 7/8 TO 1-7/8 INCL.		OVER 1-7/8 TO 3 INCL.	
IN.	BWG	WALL THICKNESS TOLERANCES (inches)					
		PLUS	MINUS	PLUS	MINUS	PLUS	MINUS
0.028	22	0.001	0.005	0.001	0.005	----	----
0.035	20	0.002	0.005	0.001	0.005	0.001	0.005
0.049	18	0.003	0.006	0.002	0.006	0.002	0.006
0.060	16	0.005	0.007	0.004	0.007	0.004	0.007
0.065	065	0.005	0.007	0.004	0.007	0.004	0.007
0.075	14	0.006	0.007	0.005	0.007	0.004	0.007
0.083	083	0.006	0.007	0.005	0.007	0.004	0.007
0.095	13	0.006	0.007	0.005	0.007	0.004	0.007
0.109	12	0.006	0.007	0.005	0.007	0.004	0.007

Dear Valued Customer,

Searing Industries purchases steel from a variety of sources to support the production of steel tubes at our manufacturing facility. Depending on the supplier, we may, at any time, have steel coils manufactured by the Basic Oxygen Furnace (BOF) and by the Electric Arc Furnace (EAF) to be used in the production of our Hollow Structural Sections (HSS).

Using information from the American Iron and Steel Institute (AISI) and the Institute of Scrap Recycling Industries (ISRI) and based on 2007 tonnage information the recycled content of steel from BOF and EAF mills is as follows:

BASIC OXYGEN FURNACE (BOF)

<i>Total recycled content -</i>	32.3%
Post-Consumer Recycled Content	25.5%
Pre-consumer Recycled Content	6.8%

ELECTRIC ARC FURNACE (EAF)

<i>Total recycled content -</i>	88.3%
Post-Consumer Recycled Content	56.9%
Pre-consumer Recycled Content	31.4%

Richard Searing
Executive Vice President of Operations



Dear Valued Customer:

Thank you for your interest in our company's products. The information provided below is intended to help you to understand some of the requirements of the European Union (EU) Law entitled REACH and to communicate our position with respect to REACH Compliance.

BACKGROUND: "REACH is a European law regarding chemicals and their safe use. It deals with the Registration, Evaluation, Authorization and Restriction of Chemicals." In order to be impacted by this law you must manufacture or import 1 ton or more on any chemical substance per year. If your company falls into this category, you must pre-register.

POSITION: Searing's products do not contain any chemicals that appear on the "Candidate List of Substances of Very High Concern" (most recently updated on 19-Dec-2011) and furthermore are considered "articles". Articles are not subject to authorization. A brief summary of the supporting information is supplied below.

REACH defines an Article as "*an object which during production is given a special shape, surface or design which determines its function to a greater degree than its chemical composition;*" (REACH, Article 3(3)).

A registration (Article 7.1) of substances in articles is obligatory for an article producer or importer only if the following conditions are met:

- The substances are intended to be released from the produced or imported article(s) during normal and reasonable foreseeable conditions of use
- The total amount of the substance present in the articles with intended releases produced and/ or imported by that actor exceeds 1 tonne per year per producer or importer.

Searing maintains, for the tubing that it supplies, substances are not intended to be released during normal and reasonable foreseeable conditions of use. Appendix 3 of the ECHA Guidance for the implementation of REACH (http://reach.jrc.it1docs/guidance_document/articles_en.htm) supports this position.

We will review our position as required, based upon additional clarification or modifications to the law. If you have any further questions, please feel free to call me at (909) 948-3030.

Best Regards,



Richard Searing
Executive Vice President of Operations

Dear Valued Customer:

Searing Industries is a manufacturer of steel tubing and is compliant with Directive 2002/95/EC of the European parliament and the council of January 27, 2003 on the restriction of the use of certain hazardous substances (RoHS) in electrical and electronic equipment.

Article 4 of the Directive reads as follows:

"Member States shall ensure that from July 1, 2006, new electrical and electronic equipment put on the market does not contain any lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE). National measures restricting or prohibiting the use of these substances in electrical and electronic equipment which were adopted in line with Community legislation before the adoption of this Directive may be maintained until July 1, 2006."

This letter certifies to the best of our knowledge, our raw material used in the manufacturing of steel tubing complies with the RoHS directive. We have certification statements/declarations from our suppliers of the coil which state that none of the restricted items listed are contained in any of our materials.

Best Regards,



Richard Searing
Executive Vice President of Operations



NEW CLIENT APPLICATION

REQUESTED TERM (check one): COD- Company Check Amount: _____ Net 30 days open account Amount: _____

1. NAME/ADDRESS

Last	First	Middle Initial	Name of Business	
Address	City	State	Zip Code	Phone
Title	Tax I.D. No.	Resale No.		

2. COMPANY INFORMATION

Corporation Partnership Proprietorship

Type of Business	In Business Since	Legal Form Under Which Business Operates		
If Division/Subsidiary, Name of Parent Company	In Business Since			
Name of Company Principal Responsible for Business Transactions	Title			
Address	City	State	Zip Code	Phone
Name of Company Principal Responsible for Business Transactions	Title			
Address	City	State	Zip Code	Phone

3. BANK REFERENCES

Name of Institution	Checking Account No.	Name of Institution	Checking Account No.
Address	Address		
Phone	Phone		

4. TRADE REFERENCES

Company	Contact Name	Company	Contact Name	Company	Contact Name
Address		Address		Address	
Phone	Fax	Phone	Fax	Phone	Fax
Email		Email		Email	

This application and agreement is submitted by applicant to Searing Industries Inc. (Searing Industries), a California corporation, to obtain trade credit. Searing Industries reserves the right to decline credit to any applicant. In the event credit is extended to applicant, Searing Industries reserves the right at any time thereafter to change or revoke such credit for any reason, including but not limited to, credit policy changes by Searing, applicant's financial condition, applicant's payment record, applicant's failure to meet sales volume requirements established by Searing Industries, and/or applicant's utilization of such credit limit. All product sales by Searing Industries to applicant will be subject to Searing Industries standard Sales Terms and Conditions as published on Searing Industries invoices at the time of sale. Any variance from those terms and conditions will be effective only if agreed to in writing by Searing Industries prior to the time of sale.

Customer agrees to make payment in full to Searing Industries for all amounts due according to Searing Industries invoice(s). Customer also agrees to pay Searing Industries, as interest, an amount equal to 1 1/2% per month, or the maximum provided by law for invoice amounts that are past due. Should customer default in any such payment(s), Searing Industries shall have the right, without notice to customer, to declare all invoice amounts due and payable. In the event Searing Industries should commence any action or actions, or otherwise seek to enforce this agreement against customer, customer agrees to pay reasonable attorney(s) fees, court costs, and other expenses incurred by Searing Industries, whether or not suit is filed. This agreement is strictly confidential and is not transferable or assignable without prior written consent of Searing Industries. Customer agrees that any change in liability for any debts incurred to Searing Industries due to a change in customer's form of business, shall not be effective as to Searing Industries, until Searing Industries receives actual notice of the change by certified mail. This application and agreement shall be construed, interpreted, and enforced under and in accordance with the internal laws of the State of California, excluding its conflicts or choice of law rule or principles which might refer to the law of another jurisdiction. Venue shall be in San Bernardino County, California, or as determined by Searing Industries.

Signature _____ Authorized Individual (Print Name) _____ Title _____ Date _____



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