



Approved Suppliers: Submarine Forging Suppliers

Please Note:

If the casting is also a BW/SW fitting, Seller shall ensure the BW/SW fitting manufacturer is also on the approved BW/SW fittings supplier list.

Seller shall flow down the substance of this provision to all of its suppliers for the procurement of materials contained within this Pervasive Commodity provision in each sub-tier purchase order.

Manufacturers, Distributors, Primes, & etc. must submit a VIR for approval to use a manufacturer who is not on the Pervasive List. Mechanical (post heat-treat final conditions) and chemical test reports are to be submitted with the VIR for NNS Engineering approval.

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Submarine Forging Supplier Requirements

For Submarine procurements, where EB2678 is invoked, the Seller shall utilize only the suppliers listed on the Buyer's (Huntington Ingalls Newport News Shipbuilding or Electric Boat Corporation) approved Forging supplier list when providing forgings or forgings in an assembly. **Approval is provided for the supplier source, supplier number and location identified as listed. If a location is not listed, that location is not approved.** The approved list of Forging suppliers for Electric Boat Corporation may be accessed using the hyperlink provided at the bottom of the page.

If utilizing a Forging supplier other than one currently on the approved Forging supplier list, a VIR must be submitted to the Buyer requesting approval of the selected Forging supplier. An evaluation will be performed and the VIR will be answered.

In addition to, or in conjunction with, testing required elsewhere in the purchase order, the Seller shall invoke the following requirements on orders for forgings from a forging supplier approved by the Buyer:

- a) Subsequent to forging (and heat treat if performed), material must be physically re-identified with a unique traceability identification to distinguish the revised properties from the original heat number traceability.
- b) Obtain and test mechanical test samples as required in the purchase order, applicable material specification, modification for the material specification, and/or approved forging drawing. Test samples to be physically identified with the forging traceability number.
- c) The forging supplier shall maintain the mechanical test specimens, and their respective test results, as objective quality evidence, subject to audit and further analysis by the Buyer.
- d) Retention of records and specimens shall be in accordance with paragraph 2.4 of EB2678.
- e) The material test report for the original heat number must be annotated to reflect the assigned heat/lot number or unique traceability identity number in accordance with paragraph 2.2 of EB2678.
- f) Chemical and mechanical test report submittal to the Buyer shall be in accordance with the requirements contained elsewhere in the Purchase Order.

The following hyperlink provides Electric Boat Corporation's list of Approved Forging Suppliers.

http://www.gdeb.com/suppliers/10_quality/Forging_Suppliers/

Approved Suppliers:

Submarine Forging Suppliers

Approved Submarine Forging Suppliers			
Supplier #	Supplier	Location	Telephone
ST0001	Anderson Shumaker	Chicago, IL 60644	(773) 287-0874
10367A	Bonney Forge Corporation	Mount Union, PA 17066	(800) 345-7546
ST0004	Bourdon Forge Company Inc.	Middletown, CT 06457	(860) 632-2740
ST0009	Charles E. Larson & Sons	Chicago, IL 60639	(773) 772-9700
	Deleted - Consolidated Industries, Inc.		
124993	Copper Alloys Ltd	Stoke on Trent, ST6 2EP, United King	+44 1782 816888
20692A	DeKalb Forge Company	Dekalb, IL 60115	(815) 758-6400
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Seller's use of an approved manufacturer does not relieve the Seller of its responsibility to ensure that all technical, service, and Purchase Order requirements are met.

In addition to using one of these approved manufacturers, Seller shall flow down the additional Submarine Forging requirements (slide #2) so that the manufacturer is aware that those additional NNS/EB requirements are applicable.

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Supplier #	Supplier	Location	Telephone
109892	Ellwood City Forge	Ellwood City, PA 16117	(724) 752-0055
ST0012	Ellwood Texas Forge (Interstate) – Navasota	Navasota, TX 77868	(936) 870-2230
ST0013	Ellwood Texas Forge-Houston	Houston, TX 77045	(713) 434-5163
ST0045	IBC Advanced Alloys	Franklin, IN 46131	(317) 738-2558
ST0019	Le Bronze Alloys	Suippes, France	+33 3 26 69 97 92
100315	Lehigh Heavy Forge Corporation	Bethlehem, PA 18015	(610) 332-8100
28716B	Ezeflow USA, Inc.	New Castle, PA 16101	(724) 658-3711
ST0026	Pacific Forge	Fontana, CA 92337	(909) 390-0701
ST0025	P.C. Forge	Port Colborne, Ontario - Canada, L3K	(905) 834-7211
70236A	Scot Forge Company	Spring Grove, IL 60081	(815) 675-4281
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ST0035	SIFCO	Cleveland, OH 44103	(216) 881-8600
130073 19844A	Trident Maritime Systems (Custom Alloy)	High Bridge, NJ 08829	(908) 638-6200
130871 ST0055	Trinity Forge and Machine	Mansfield, TX 76063	(817) 453-6650
ST0040	US Drop Forge	Swedesboro, NJ 08085	(610) 497-3300
ST0042	Vulcan Steam Forging Company	Buffalo, NY 14207	(716) 875-3680
84683Z	Western Forge & Flange Company	Cleveland, TX 77327	(281) 727-7011
124651	Wodin, Inc	Cleveland, OH 44146	(440) 439-4222
87830Z	Wyman Gordon	North Grafton, MA 01536	(508) 839-8299
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