NOTICE.-This list may be made available to contractors, prospective bidders or suppliers who are required to procure items listed hereon to fulfill the requirements of a contract. Requests for this list shall include the number of the contract or Invitation for Bid for which it is required.

QPL-QQ-E-450-3
22 March 1973
SUPERSEDING
QPL-QQ-E-450-4
24 September 1971

QUALIFIED PRODUCTS LIST

OF

FSC 3439

PRODUCTS QUALIFIED UNDER FEDERAL SPECIFICATION

QQ-E-450

ELECTRODES, WELDING, COVERED: MILD STEEL

This list has been prepared for use by or for the Government in the procurement of products covered by the subject specification. All products listed herein have been qualified under the requirements for the product as specified in the latest effective issue of the applicable specification. Revision or amendment of this list will be issued as necessary. The listing of a product does not release the manufacturer from compliance with the specification requirements.

THE ACTIVITY RESPONSIBLE FOR THIS QUALIFIED PRODUCTS LIST IS THE NAVAL SHIP ENGINEERING CENTER.

MIL TYPE NO.	GOVERNMENT DESIGNATION SIZE AND CLASS 1/16	3/64	1/32	1/8	5/32	3/16	7/32	1/4	5/16	MANUFACTURER'S OR DISTRIBUTOR'S DESIGNATION	TEST OR QUALIFICATION REFERENCE	MANUFACTURER'S NAME AND PLANT ADDRESS	DISTRIBUTOR'S NAME AND ADDRESS
6010	-	-	1	1	1	1	2	2	-	Airco 6010	CL-6AR-11	Airco Welding Products Div. Arcrods Plant Sparrows Point, MD 21219 Plants: Sparrows Pt., MD Cuyahoga Hts., OH	Airco Welding Products Div. P. O. Box 281 Union, NJ 07083
6010	-	-	1	1	1	1	2	2	-	Airco 6010	CL-6AR-11	do.	Airco Welding Products Div. P. O. Box 281 Union, NJ 07083
6011	-	-	1	-	-	-	2	2	2	Airco 6011C	4926-A-3	do.	Airco Welding Products Div. P. O. Box 281 Union, NJ 07083
6011	-	-	-	1	1	1	-	-	-	Airco 6011C	CL-6AR-19	do.	Airco Welding Products Div. P. O. Box 281 Union, NJ 07083
6012	1	1	1	1	1	1	-	-	-	Airco 6012	4926-A-4	do.	Airco Welding Products Div. P. O. Box 281 Union, NJ 07083
6013	1	1	1	1	1	1	-	-	-	Airco 6013	AML NAM 35677	do.	Airco Welding Products Div. P. O. Box 281 Union NJ 07083
6020	-	-	-	2	2	2	2	2	2	Airco 6320	4926-A-6	do.	Airco Welding Products Div. P. O. Box 281 Union NJ 07083

MIL TYPE NO.	GOVERNMENT DESIGNATION SIZE AND CLASS 1/16	3/64	3/32	1/8	5/32	3/16	7/32	1/4	5/16	MANUFACTURER'S OR DISTRIBUTOR'S DESIGNATION	TEST OR QUALIFICATION REFERENCE	MANUFACTURER'S NAME AND PLANT ADDRESS	DISTRIBUTOR'S NAME AND ADDRESS
6027	-	-	-	-	-	2	2	2	-	AIRCO Easyarc 6027	CL-6AR-2	Airco Welding Products Div. Arcrods Plant Sparrows Point, MD 21219 Plants: Sparrows Pt., MD Cuyahoga Hts., OH	Airco Welding Products Div. P. O. Box 281 Union, NJ 07083
7024	-	-	-	-	-	2	2	2	-	AIRCO Easyarc 7024	CL-6AR-16	do.	Airco Welding Products Div. P. O. Box 281 Union, NJ 07083
G6010	-	-	1	1	1	1	2	2	-	AP6010IP	CL-6AR-11	do.	Air Products & Chemicals, Inc. Welding Products Dept. 2801 Mitchell Ave. Allentown, PA 18105
6011	-	-	1	-	-	-	2	2	3	AP 6011C	4926-A-2	do.	Air Products & Chemicals, Inc. Welding Products Dept. 2801 Mitchell Ave. Allentown, PA 18105
6011	-	-	-	1	1	1	-	-	-	AP 6011C	CL-6AR-19	do.	Air Products & Chemicals, Inc. Welding Products Dept. 2801 Mitchell Ave. Allentown, PA 18105
6012	1	1	1	1	1	1	-	-	-	AP6012GP	4926-A-4	do.	Air Products & Chemicals, Inc. Welding Products Dept. 2801 Mitchell Ave. Allentown, PA 18105
6013	1	1	1	1	1	1	-	-	-	AP6013GP	AML RAM .25677	do.	Air Products & Chemicals, Inc. Welding Products Dept. 2801 Mitchell Ave. Allentown, PA 18105
6020	-	-	-	*2	*2	2	*2	*2	3	AP6020	4926-A-6	do.	Air Products & Chemicals, Inc. Welding Products Dept. 2801 Mitchell Ave. Allentown, PA 18105
6027	-	-	-	-	-	2	2	2	-	AP6027IP	CL-6AR-2	do.	Air Products & Chemicals, Inc. Welding Products Dept. 2801 Mitchell Ave. Allentown, PA 18105

MIL TYPE NO.	GOVERNMENT DESIGNATION SIZE AND CLASS 1/16	3/64	3/32	1/8	5/32	3/16	7/32	1/4	5/16	MANUFACTURER'S OR DISTRIBUTOR'S DESIGNATION	TEST OR QUALIFICATION REFERENCE	MANUFACTURER'S NAME AND PLANT ADDRESS	DISTRIBUTOR'S NAME AND ADDRESS
7024	-	-	-	-	-	2	2	2	-	AP7024IP	CL-6AR-14	Airco Welding Products Div. Arcroda Plant Sparrows Point, MD 21219 Plants: Sparrows Pt., MD Cuyahoga Hts., OH	Air Products & Chemicals, Inc. Welding Products Dept. 2801 Mitchell Ave. Allentown, PA 18105
G6010	-	-	1	1	1	1	2	2	-	Liquid Carbonic IP610	CL-6AR-11	do.	Liquid Carbonic Corp. 4400 West 45th St. Chicago, IL 60632
6011	-	-	1	-	-	-	2	2	2	Liquid 611C	4926-A-2	do.	Liquid Carbonic Corp. 4400 West 45th St. Chicago, IL 60632
6011	-	-	-	1	1	1	-	-	-	Liquid 611C	CL-6AR-19	do.	Liquid Carbonic Corp. 4400 West 45th St. Chicago, IL 60632
6012	1	1	1	1	1	1	-	-	-	Liquid 612	4926-A-4	do.	Liquid Carbonic Corp. 4400 West 45th St. Chicago, IL 60632
6013	1	1	1	1	1	1	-	-	-	Liquid 613	AML NAM 25677	do.	Liquid Carbonic Corp. 4400 West 45th St. Chicago, IL 60632
6020	-	-	-	*2	*2	2	*2	*2	2	Liquid 620	4926-A-6	do.	Liquid Carbonic Corp. 4400 West 45th St. Chicago, IL 60632
6027	-	-	-	-	-	2	2	2	-	Liquid IP627	CL-6AR-2	do.	Liquid Carbonic Corp. 4400 West 45th St. Chicago, IL 60632
7024	-	-	-	-	-	2	2	2	-	Liquid IP724	CL-6AR-14	do.	Liquid Carbonic Corp. 4400 West 45th St. Chicago, IL 60632
G6010	-	-	1	1	1	1	2	2	-	Murex Speedex 610	CL-6AR-11	do.	Murex Welding Products P. O. Box 311 Union, NJ 07083
6011	-	-	1	-	-	-	2	2	2	Murex 611C	4926-A-2	do	Murex Welding Products P. O. Box 311 Union, NJ 07083
6011	-	-	-	1	1	1	-	-	-	Murex 611C	CL-6AR-19	do.	Murex Welding Products P. O. Box 311 Union, NJ 07083

MIL TYPE NO.	GOVERNMENT DESIGNATION SIZE AND CLASS 1/16	3/64	1/32	1/8	3/32	1/16	3/32	1/4	5/16	MANUFACTURER'S OR DISTRIBUTOR'S DESIGNATION	TEST OR QUALIFICATION REFERENCE	MANUFACTURER'S NAME AND PLANT ADDRESS	DISTRIBUTOR'S NAME AND ADDRESS
6012	1	1	1	1	1	1	-	-	-	Murex M-10	4926-A-4	Airco Welding -Products Div. Arcrods Plant Sparrows Point, MD 21219 Plants: Sparrows Pt., MD Cuyahoga Hts., OH	Murex Welding Products P. O. Box 311 Union, NJ 07083
6013	1	1	1	1	1	1	-	-	-	Murex Type U	AML NAM 23677	do.	Murex Welding Products P. O. Box 311 Union, NJ 07083
6020	-	-	-	*2	*2	2	*2	*2	3	Murex Type FXP	4926-A-6	do.	Murex Welding Products P. O. Box 311 Union, NJ 07083
6027	-	-	-	-	-	2	2	2	-	Murex Speedex 27	CL-6AA-2	do.	Murex Welding Products P. O. Box 311 Union, NJ 07083
7024	-	-	-	-	-	2	2	2	-	Murex Speedex 24	CL-6AA-14	do.	Murex Welding Products P. O. Box 311 Union, NJ 07083
6010	-	-	1	1	1	1	2	2	-	Hobart 10	4926-D-4	Hobart Bros. Co. Hobart Square Troy, OH 45373 Plant: Same address	Hobart Bros. Co. Hobart Square Troy, OH 45373
6011	-	-	1	1	1	1	-	-	-	Hobart 335A	4926-D-2	do.	Hobart Bros. Co. Hobart Square Troy, OH 45373
6012	-	-	1	1	1	1	-	-	-	Hobart 212A	4926-D-8	do.	Hobart Bros. Co. Hobart Square Troy, OH 45373
6013	-	1	1	1	1	1	-	-	-	Hobart 13A	4926-D-6	do.	Hobart Bros. Co. Hobart Square Troy, OH 45373
6020	-	-	-	*2	*2	*2	2	2	3	Hobart 111	4926-D-5	do.	Hobart Bros. Co. Hobart Square Troy, OH 45373
6027	-	-	-	2	-	2	2	2	-	Hobart No.27	CL-3148-12	do.	Hobart Bros. Co. Hobart Square Troy, OH 45373
7024	-	-	-	2	2	2	2	2	-	No. 24	CL-21-HB-3	do.	Hobart Bros. Co. Hobart Square Troy, OH 45373

MIL TYPE NO.	GOVERNMENT DESIGNATION SIZE AND CLASS 1/16	1/8	3/32	1/4	5/32	3/16	7/32	1/2	5/16	MANUFACTURER'S OR DISTRIBUTOR'S DESIGNATION	TEST OR QUALIFICATION REFERENCE	MANUFACTURER'S NAME AND PLANT ADDRESS	DISTRIBUTOR'S NAME AND ADDRESS
6010	-	-	-	1	1	1	-	-	-	FLEETWELD 3P	CL-9L-6	The Lincoln Electric Co. 22801 St. Clair Ave. Cleveland, OH 44117 Plant: Same address	The Lincoln Electric Co. 22801 St. Clair Ave. Cleveland, OH 44117
6011	-	-	1	1	1	1	-	2	-	FLEETWELD 35	4926-K-3 4926-K-10	do.	The Lincoln Electric Co. 22801 St. Clair Ave. Cleveland, OH 44117
6012	-	-	1	1	1	1	-	-	-	FLEETWELD 7	NAES Test Rpt. 38022-48 & NAES Test Rpt. 38012-49	do.	The Lincoln Electric Co. 22801 St. Clair Ave. Cleveland, OH 44117
6013	1	1	1	1	1	1	-	-	-	FLEETWELD 37	4926-K1, K2	do.	The Lincoln Electric Co. 22801 St. Clair Ave. Cleveland, OH 44117
6027	-	-	-	-	2	2	2	2	-	Jetweld 3	MAT. LAB. 3106-1 & The Lincoln Electric Co. Rpt. of 1/31/61	do.	The Lincoln Electric Co. 22801 St. Clair Ave. Cleveland, OH 44117
7024	-	-	-	2	2	2	2	2	-	Jetweld 3	CL-9L-3	do.	The Lincoln Electric Co. 22801 St. Clair Ave. Cleveland, OH 44117
6013	-	-	-	1	1	1	-	-	-	Marquette 13	4926-M-1	Marquette Corp. 3073 Wayzata Blvd. Minneapolis, MN 55416 Plant: 28 2nd St., S.E. Minneapolis, MN	Marquette Corp. 3073 Wayzata Blvd. Minneapolis, MN 55416
G6010	-	-	1	1	1	1	2	2	-	P&H SM-610	CL-138-3 CL-138-4 CL-3M-10	P&H Welding Products Unit of Chemetron Corp. 501 N. 6th St. Monticello, IN 47960 Plants: Leola, PA Monticello, IN	P&H Welding Products Unit of Chemetron Corp. 501 N. 6th St. Monticello, IN 47960

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MIL TYPE NO.	GOVERNMENT DESIGNATION SIZE AND CLASS									MANUFACTURER'S OR DISTRIBUTOR'S DESIGNATION	TEST OR QUALIFICATION REFERENCE	MANUFACTURER'S NAME AND PLANT ADDRESS	DISTRIBUTOR'S NAME AND ADDRESS
	1/16	3/64	1/32	1/8	3/32	3/16	7/32	1/4	5/16				
6010	-	-	1	1	1	1	2	2	-	P&H SW-610	CL-13S-3 CL-13S-4	P&H Welding Products Unit of Chemetron Corp. 501 N. 6th St. Monticello, IN 47960 Plants: Leola, PA Monticello, IN	P&H Welding Products Unit of Chemetron Corp. 501 N. 6th St. Monticello, IN 47960
6011	-	-	1	1	1	1	2	2	-	P&H SW-14	CL-3H-8	do.	P&H Welding Products Unit of Chemetron Corp. 501 N. 6th St. Monticello, IN 47960
G6011	-	-	-	1	1	1	2	2	-	P&H SW-14 IMP	CL-13 CL-3H-9	do.	P&H Welding Products Unit of Chemetron Corp. 501 N. 6th St. Monticello, IN 47960
6013	1	1	1	1	1	1	-	-	-	P&H AC-3	AML NAM 25677	do.	P&H Welding Products Unit of Chemetron Corp. 501 N. 6th St. Monticello, IN 47960
6028	-	-	-	2	2	2	2	2	3	P&H DN-3	4926-C-6	do.	P&H Welding Products Unit of Chemetron Corp. 501 N. 6th St. Monticello, IN 47960
6027	-	-	-	2	2	2	2	2	-	P&H SW-27	CL-8	do.	P&H Welding Products Unit of Chemetron Corp. 501 N. 6th St. Monticello, IN 47960
7024	-	-	-	2	2	2	2	2	-	P&H SW-44	CL-3H-4	do.	P&H Welding Products Unit of Chemetron Corp. 501 N. 6th St. Monticello, IN 47960
G6010	-	-	1	1	1	1	2	2	-	NCG 6010Y	CL-13S-3 CL-13S-4 CL-3H-10	do.	National Cylinder Gas Div. Chemetron Corp. 840 N. Michigan Ave. Chicago, IL 60611

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MIL TYPE NO.	GOVERNMENT DESIGNATION SIZE AND CLASS 1/16	3/64	3/32	1/8	5/32	3/16	7/32	1/4	5/16	MANUFACTURER'S OR DISTRIBUTOR'S DESIGNATION	TEST OR QUALIFICATION REFERENCE	MANUFACTURER'S NAME AND PLANT ADDRESS	DISTRIBUTOR'S NAME AND ADDRESS
7024	-	-	-	2	2	2	2	2	-	HCG 8024E	CL-3H-4	F&N Welding Products Unit of Chemetron Corp. 501 N. 6th St. Monticello, IN 47960 Plants: Leola, PA Monticello, IN	National Cylinder Gas Div. Chemetron Corp. 840 N. Michigan Ave. Chicago, IL 64611
6010	-	1	1	1	1	1	2	2	3	Raco 7	4926-H-3 & AML NAM 25677	Reid-Avery Co. Chesapeake & Cleveland Aves. Baltimore, MD 21222 Plant: Same address	Reid Avery Company Chesapeake and Cleveland Aves. Baltimore, MD 21222
6011	-	-	1	1	1	1	2	2	3	Raco 11	4926-H-2	do.	Reid Avery Company Chesapeake and Cleveland Aves. Baltimore, MD 21222
6013	-	1	1	1	1	1	-	-	-	Raco 13	4926-H-1	do.	Reid Avery Company Chesapeake and Cleveland Aves. Baltimore, MD 21222
6020	-	-	-	*2	2	*2	*2	*2	3	Raco 28	4926-H-4	do.	Reid Avery Company Chesapeake and Cleveland Aves. Baltimore, MD 21222
6010	-	1	1	1	1	1	2	2	3	Weld-Well 6010	4926-H-3 & AML NAM 25677	do.	Weld-Well Service Co. 978 Groff Ave. Elizabethtown, PA 17022
6011	-	-	1	1	1	1	2	2	3	Weld-Well 6011	4926-H-2	Reid Avery Co. Chesapeake & Cleveland Aves. Baltimore, MD 21222 Plant: Same address	Weld-Well Service Co. 978 Groff Ave. Elizabethtown, PA 17022
6020	-	-	-	*2	2	*2	*2	*2	3	Weld-Well 6020	4926-H-4	do.	Weld-Well Service Co. 978 Groff Ave. Elizabethtown, PA 17022

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MIL TYPE NO.	GOVERNMENT DESIGNATION SIZE AND CLASS 1/16	5/64	1/32	1/8	5/32	3/16	3/32	1/4	5/16	MANUFACTURER'S OR DISTRIBUTOR'S DESIGNATION	TEST OR QUALIFICATION REFERENCE	MANUFACTURER'S NAME AND PLANT ADDRESS	DISTRIBUTOR'S NAME AND ADDRESS
6011	-	-	1	1	1	-	-	-	-	Shober 33	4926-R-1	Shober Alloys Co. P. O. Box 1491 908 W. Weber Ave. Stockton, CA 95201 Plant: 908 W. Weber Ave. Stockton, CA	Shober Alloys Co. P. O. Box 1491 908 W. Weber Ave. Stockton, CA 95201
6013	1	1	1	1	1	-	-	-	-	Shober S-13	4926-Q-3	do.	Shober Alloys Co. P. O. Box 1491 908 W. Weber Ave. Stockton, CA 95201
6010	-	-	1	1	1	1	2	2	3	McKay 6010	4926-P-4	Teledyne McKay Welding Products Div. P. O. Box 1509 York, PA 17405 Plant: York, PA	Teledyne McKay Welding Products Div. P. O. Box 1509 York, PA 17405
G6010	-	-	1	1	1	1	-	-	-	McKay 6010P	CL-30MK-4A	do.	Teledyne McKay Welding Products Div. P. O. Box 1509 York, PA 17405
6011	-	-	1	1	1	1	2	2	-	McKay 6011	4926-P-5	do.	Teledyne McKay Welding Products Div. P. O. Box 1509 York, PA 17405
G6011	-	-	-	1	1	1	-	-	-	McKay 6011P	CL30MK-4b	do.	Teledyne McKay Welding Products Div. P. O. Box 1509 York, PA 17405
6013	1	1	1	1	1	-	-	-	-	McKay 6013	4926-P-3	Teledyne McKay Welding Products Div. P. O. Box 1509 York, PA 17405 Plant: York, PA	Teledyne McKay Welding Products Div. P. O. Box 1509 York, PA 17405
6020	-	-	-	*2	*2	*2	2	*3	3	McKay 6020	4926-P-6	do.	Teledyne McKay Welding Products Div. P. O. Box 1509 York, PA 17405
G6010	-	-	1	1	1	1	-	-	-	Certanium 700	CL-30MK-4A	do.	Premier Industries, Inc. 4415 Euclid Ave. Cleveland, OH 44103

MIL TYPE NO.	GOVERNMENT DESIGNATION SIZE AND CLASS 1/16	3/64	1/32	1/8	3/32	3/16	7/32	1/4	3/16	MANUFACTURER'S OR DISTRIBUTOR'S DESIGNATION	TEST OR QUALIFICATION REFERENCE	MANUFACTURER'S NAME AND PLANT ADDRESS	DISTRIBUTOR'S NAME AND ADDRESS
6010	-	-	1	1	1	1	2	2	-	AM 6010	CL-15W-6	Westinghouse Electric Corp. Box 132 Montevallo, AL 35115 Plant: Montevallo, AL	Adcom Metals Co., Inc. P. O. Box 29805 Interstate Industrial Park Atlanta, GA 30329
6011	-	-	1	1	1	1	2	2	-	AM 6011	4926-J-7 & CL-15W-9	do.	Adcom Metals Co., Inc. P. O. Box 29805 Interstate Industrial Park Atlanta, GA 30329
6012	-	-	1	1	1	1	2	2	3	AM 6012	CL-15W-2	do.	Adcom Metals Co., Inc. P. O. Box 29805 Interstate Industrial Park Atlanta, GA 30329
6013	1	1	1	1	1	1	-	-	-	AM 6013	AML NAM 25677 & CL-15W-1	do.	Adcom Metals Co., Inc. P. O. Box 29805 Interstate Industrial Park Atlanta, GA 30329
6010	-	-	1	1	1	1	2	2	-	ZIP-10	CL-15W-6	do.	Westinghouse Electric Corp. 1801 K Street N.W. Washington, DC 20006
G6010	-	-	1	1	1	1	2	2	-	ZIP-10	CL-15W-6 CL-15W-14	do.	Westinghouse Electric Corp. 1801 K Street N.W. Washington, DC 20006
6011	-	-	1	1	1	1	2	2	-	ACP-611	4926-J-3 & CL-15W-9	Westinghouse Electric Corp. Box 132 Montevallo, AL 35115 Plant: Montevallo, AL	Westinghouse Electric Corp. 1801 K St. N.W. Washington, DC 20006
G6011	-	-	1	1	1	1	2	2	-	ACP-611	4926-J-3, CL-15W-9 & CL-15W-14	do.	Westinghouse Electric Corp. 1801 K St. N.W. Washington, DC 20006
6012	-	-	1	1	1	1	2	2	3	ZIP-12	CL-15W-2	do.	Westinghouse Electric Corp. 1801 K St. N.W. Washington, DC 20006

MIL TYPE NO.	GOVERNMENT DESIGNATION SIZE AND CLASS 1/16	5/64	3/32	1/8	5/32	3/16	7/32	1/4	5/16	MANUFACTURER'S OR DISTRIBUTOR'S DESIGNATION	TEST OR QUALIFICATION REFERENCE	MANUFACTURER'S NAME AND PLANT ADDRESS	DISTRIBUTOR'S NAME AND ADDRESS
6013	1	1	1	1	1	1	2	2	-	AW-613	AML MAM 25677 & CL-15W-1	Westinghouse Electric Corp. Box 132 Montevallo, AL 35115 Plant: Montevallo, AL	Westinghouse Electric Corp. 1801 K St. N.W. Washington, DC 20006
6020	-	-	-	*2	*2	*2	*2	*2	3	DH-620	4926-J-5	do.	Westinghouse Electric Corp. 1801 K St. N.W. Washington, DC 20006
6027	-	-	-	-	2	2	2	2	-	SIP-27	CL-15W-3 & CL-15W-5	do.	Westinghouse Electric Corp. 1801 K St. N.W. Washington, DC 20006
7024	-	-	-	2	2	2	2	2	2	SIP-24	CL-15W-7 & CL-15W-8	do.	Westinghouse Electric Corp. 1801 K St. N.W. Washington, DC 20006

NOTE: Sizes of brands of type MIL-6020, Class 2 electrodes marking with an asterisk (*) have also been found acceptable to use with the "high-speed, straight-progression fillet-welding" technique in the horizontal fillet or flat fillet-welding positions with direct current straight polarity on medium steels. Note that in design or practice no reduction in gage size fillets from that called for in the applicable portions of the general specifications, Appendix 5, is permissible when using this technique.

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