

Attn.: _____

HIROSE ELECTRIC CO., LTD.

5-23, OSAKI 5-CHOME, SHINAGAWA-KU, TOKYO, JAPAN

Notice of Treatment for Our Products Using Metallic Materials
Made by Mitsubishi Electric Metecs Co., Ltd.
and Request for Your Acknowledgement

Hirose would like to take this opportunity to thank you sincerely for your support, and we hope this letter finds you well and prosperous.

On December 5, 2014, a metallic material supplier, Mitsubishi Electric Metecs Co., Ltd. announced it would terminate the business, and some of our products are currently using its materials. We sincerely apologize for any inconvenience this may cause.

We are writing today to inform you in advance of our substitution plan of the materials in the future.

We request that you kindly offer your consent to this matter.

1. Discontinued Products, Alternative Products, and Description of Changes

Please refer to the list on the separate sheet for the discontinued products.

The alternative products will have different product codes and product names.

The alternative products will use metallic materials from different suppliers.

Series name	Current material supplier	Alternative material supplier
GX	Mitsubishi Electric Metecs Co., Ltd.	JX Nippon Mining & Metals Corporation
EX60	Mitsubishi Electric Metecs Co., Ltd.	JX Nippon Mining & Metals Corporation
EX80	Mitsubishi Electric Metecs Co., Ltd.	JX Nippon Mining & Metals Corporation
3500	Mitsubishi Electric Metecs Co., Ltd.	JX Nippon Mining & Metals Corporation
IT3, IT5	Mitsubishi Electric Metecs Co., Ltd.	JX Nippon Mining & Metals Corporation
MQ172	Mitsubishi Electric Metecs Co., Ltd.	JX Nippon Mining & Metals Corporation
ZX360	Mitsubishi Electric Metecs Co., Ltd.	JX Nippon Mining & Metals Corporation
ZX40, 62, 80	Mitsubishi Electric Metecs Co., Ltd.	JX Nippon Mining & Metals Corporation
EF1	Mitsubishi Electric Metecs Co., Ltd.	JX Nippon Mining & Metals Corporation
ST	Mitsubishi Electric Metecs Co., Ltd.	JX Nippon Mining & Metals Corporation
TJ50A	Mitsubishi Electric Metecs Co., Ltd.	JX Nippon Mining & Metals Corporation
PX	Mitsubishi Electric Metecs Co., Ltd.	Mitsubishi Shindoh Co., Ltd.
HIF2E	Mitsubishi Electric Metecs Co., Ltd.	NGK Insulators, Ltd. / Brush Wellman Inc.
HIF5	Mitsubishi Electric Metecs Co., Ltd.	NGK Insulators, Ltd. / Brush Wellman Inc.
HIF6H	Mitsubishi Electric Metecs Co., Ltd.	NGK Insulators, Ltd. / Brush Wellman Inc.
HIF6	Mitsubishi Electric Metecs Co., Ltd.	NGK Insulators, Ltd. / Brush Wellman Inc.

2. Reason for Discontinuation and Change of Products

Since metallic materials made by Mitsubishi Electric Metecs Co., Ltd. will become unavailable in the future owing to its business termination, we will discontinue the affected products and substitute alternative products of them.

3. Differences Resulting from the Change

There will be no differences in external appearance and product performance resulting from the change.

4. Schedule of Discontinuation of Current Products and Commencement of Order Taking of Alternative Products

Last date for receiving orders for the current products	March 31, 2016
Start date for receiving orders for the alternative products	April 1, 2016
Last shipping date for the current products	December 26, 2016

5. Confirmation of Your Acknowledgement

We kindly request that you let a Hirose account representative know you acknowledge this matter by the end of January 2016. In the absence of a response by this date, please be advised that you will be delivered products that have been changed as described above. If you should have any questions, please feel free to contact a Hirose account representative.

Your understanding and cooperation are highly appreciated.

List of Discontinued Alternative Products

Discontinued Products				Alternative Products		
NO	Product Code	Product Name	Material supplier	Product Code	Product Name	Material supplier
1	CL0142-0001-3-00	EF1-38R-1SCA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0142-0001-3-20	EF1-38R-1SCA(20)	JX Nippon Mining & Metals Corporation
2	CL0142-0001-3-01	EF1-38R-1SCA(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0142-0001-3-21	EF1-38R-1SCA(21)	JX Nippon Mining & Metals Corporation
3	CL0142-0003-9-00	EF1-38RA-1SCA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0142-0003-9-20	EF1-38RA-1SCA(20)	JX Nippon Mining & Metals Corporation
4	CL0142-0003-9-10	EF1-38RA-1SCA(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0142-0003-9-30	EF1-38RA-1SCA(30)	JX Nippon Mining & Metals Corporation
5	CL0142-0004-1-00	EF1-38RA-1SCB	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0142-0004-1-20	EF1-38RA-1SCB(20)	JX Nippon Mining & Metals Corporation
6	CL0142-0004-1-11	EF1-38RA-1SCB(11)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0142-0004-1-31	EF1-38RA-1SCB(31)	JX Nippon Mining & Metals Corporation
7	CL0142-0009-5-00	EF1-38R-1SCB	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0142-0009-5-20	EF1-38R-1SCB(20)	JX Nippon Mining & Metals Corporation
8	CL0142-0011-7-00	EF1-38R-1SCC	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0142-0011-7-20	EF1-38R-1SCC(20)	JX Nippon Mining & Metals Corporation
9	CL0142-0013-2-00	EF1-38R-1SCD	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0142-0013-2-20	EF1-38R-1SCD(20)	JX Nippon Mining & Metals Corporation
10	CL0142-0015-8-00	EF1-38RA-1SCC	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0142-0015-8-20	EF1-38RA-1SCC(20)	JX Nippon Mining & Metals Corporation
11	CL0142-0016-0-00	EF1-38RA-1SCD	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0142-0016-0-20	EF1-38RA-1SCD(20)	JX Nippon Mining & Metals Corporation
12	CL0142-0016-0-10	EF1-38RA-1SCD(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0142-0016-0-30	EF1-38RA-1SCD(30)	JX Nippon Mining & Metals Corporation
13	CL0206-0776-9-50	MQ138-M-16(13)P(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
14	CL0206-0896-0-65	MQ/S165-A-16P(65)	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
15	CL0206-0950-4-55	MQ172-3PA(55)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-0950-4-30	MQ172-3PA(30)	JX Nippon Mining & Metals Corporation
16	CL0206-0950-4-56	MQ172-3PA(56)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-0950-4-31	MQ172-3PA(31)	JX Nippon Mining & Metals Corporation
17	CL0206-0950-4-57	MQ172-3PA(57)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-0950-4-32	MQ172-3PA(32)	JX Nippon Mining & Metals Corporation
18	CL0206-0950-4-66	MQ172-3PA(66)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-0950-4-33	MQ172-3PA(33)	JX Nippon Mining & Metals Corporation
19	CL0206-0951-7-50	MQ172-3SA-CV(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-0951-7-30	MQ172-3SA-CV(30)	JX Nippon Mining & Metals Corporation
20	CL0206-0951-7-51	MQ172-3SA-CV(51)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-0951-7-31	MQ172-3SA-CV(31)	JX Nippon Mining & Metals Corporation
21	CL0206-0951-7-57	MQ172-3SA-CV(57)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-0951-7-32	MQ172-3SA-CV(32)	JX Nippon Mining & Metals Corporation
22	CL0206-2000-6-55	MQ172X-4PA(55)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-2000-6-30	MQ172X-4PA(30)	JX Nippon Mining & Metals Corporation
23	CL0206-2000-6-66	MQ172X-4PA(66)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-2000-6-31	MQ172X-4PA(31)	JX Nippon Mining & Metals Corporation
24	CL0206-2000-6-67	MQ172X-4PA(67)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-2000-6-32	MQ172X-4PA(32)	JX Nippon Mining & Metals Corporation
25	CL0206-2001-9-50	MQ172X-4SA-CV(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-2001-9-30	MQ172X-4SA-CV(30)	JX Nippon Mining & Metals Corporation
26	CL0206-2001-9-51	MQ172X-4SA-CV(51)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-2001-9-31	MQ172X-4SA-CV(31)	JX Nippon Mining & Metals Corporation
27	CL0206-2076-8-50	MQ178X-M-18S-CV(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
28	CL0206-2097-8-66	MQ172-3PAC(66)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-2097-8-30	MQ172-3PAC(30)	JX Nippon Mining & Metals Corporation
29	CL0206-2098-0-50	MQ172-3SAC-CV(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-2098-0-30	MQ172-3SAC-CV(30)	JX Nippon Mining & Metals Corporation
30	CL0206-2168-4-50	MQ178X-M-18(18)S-CV(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
31	CL0206-2319-8-10	MQ202-NK-14PC(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
32	CL0206-2344-5-80	MQ172X-4SA-CVA-ON(80)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-2344-5-30	MQ172X-4SA-CVA-ON(30)	JX Nippon Mining & Metals Corporation
33	CL0206-2370-5-50	MQ178X-M-18S-CVSD1(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
34	CL0206-2490-7-00	MQ178X-EM-18(5)S-CV2	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
35	CL0206-2499-1-10	MQ204A-NK-14PC(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
36	CL0206-2553-5-00	MQ172D-PS-3PA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0206-2553-5-30	MQ172D-PS-3PA(30)	JX Nippon Mining & Metals Corporation
37	CL0232-0588-5-51	EX60T-C65P(51)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0588-5-30	EX60T-C65P(30)	JX Nippon Mining & Metals Corporation
38	CL0232-0592-2-50	EX80-100S(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0592-2-30	EX80-100S(30)	JX Nippon Mining & Metals Corporation
39	CL0232-0598-9-50	EX80-100P(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0598-9-30	EX80-100P(30)	JX Nippon Mining & Metals Corporation
40	CL0232-0598-9-55	EX80-100P(55)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0598-9-31	EX80-100P(31)	JX Nippon Mining & Metals Corporation
41	CL0232-0606-5-05	EX80-54(50)S-SH(05)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0606-5-31	EX80-54(50)S-SH(31)	JX Nippon Mining & Metals Corporation
42	CL0232-0606-5-06	EX80-54(50)S-SH(06)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0606-5-32	EX80-54(50)S-SH(32)	JX Nippon Mining & Metals Corporation
43	CL0232-0606-5-30	EX80-54(50)S-SH(30)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0606-5-35	EX80-54(50)S-SH(35)	JX Nippon Mining & Metals Corporation
44	CL0232-0607-8-00	EX80-54(50)P	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0607-8-30	EX80-54(50)P(30)	JX Nippon Mining & Metals Corporation
45	CL0232-0609-3-00	EX80-54S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0609-3-30	EX80-54S(30)	JX Nippon Mining & Metals Corporation
46	CL0232-0610-2-01	EX80-54P(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0610-2-30	EX80-54P(30)	JX Nippon Mining & Metals Corporation
47	CL0232-0610-2-02	EX80-54P(02)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0610-2-31	EX80-54P(31)	JX Nippon Mining & Metals Corporation
48	CL0232-0614-3-01	EX80-54P-SH(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0614-3-30	EX80-54P-SH(30)	JX Nippon Mining & Metals Corporation
49	CL0232-0614-3-02	EX80-54P-SH(02)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0614-3-31	EX80-54P-SH(31)	JX Nippon Mining & Metals Corporation
50	CL0232-0614-3-10	EX80-54P-SH(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0614-3-32	EX80-54P-SH(32)	JX Nippon Mining & Metals Corporation
51	CL0232-0615-6-06	EX80-54S-SH(06)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0615-6-33	EX80-54S-SH(33)	JX Nippon Mining & Metals Corporation
52	CL0232-0615-6-07	EX80-54S-SH(07)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0615-6-34	EX80-54S-SH(34)	JX Nippon Mining & Metals Corporation
53	CL0232-0615-6-10	EX80-54S-SH(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0615-6-35	EX80-54S-SH(35)	JX Nippon Mining & Metals Corporation
54	CL0232-0615-6-30	EX80-54S-SH(30)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0615-6-36	EX80-54S-SH(36)	JX Nippon Mining & Metals Corporation
55	CL0232-0615-6-31	EX80-54S-SH(31)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0615-6-37	EX80-54S-SH(37)	JX Nippon Mining & Metals Corporation
56	CL0232-0615-6-32	EX80-54S-SH(32)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0615-6-38	EX80-54S-SH(38)	JX Nippon Mining & Metals Corporation
57	CL0232-0623-4-00	EX80-SO-54S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0623-4-30	EX80-SO-54S(30)	JX Nippon Mining & Metals Corporation
58	CL0232-0633-8-00	EX60T-OL-C65P	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0633-8-30	EX60T-OL-C65P(30)	JX Nippon Mining & Metals Corporation
59	CL0232-0634-0-00	EX80-SO-54P	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0634-0-30	EX80-SO-54P(30)	JX Nippon Mining & Metals Corporation
60	CL0232-0634-0-02	EX80-SO-54P(02)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0634-0-31	EX80-SO-54P(31)	JX Nippon Mining & Metals Corporation
61	CL0232-0635-3-00	EX80-TO-B-54(50)S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0232-0635-3-30	EX80-TO-B-54(50)S(30)	JX Nippon Mining & Metals Corporation
62	CL0235-0002-6-57	3560-16SR(57)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0235-0002-6-30	3560-16SR(30)	JX Nippon Mining & Metals Corporation
63	CL0235-0022-3-57	3560-24SR(57)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0235-0022-3-30	3560-24SR(30)	JX Nippon Mining & Metals Corporation
64	CL0235-0026-4-57	3560-24S(57)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0235-0026-4-30	3560-24S(30)	JX Nippon Mining & Metals Corporation
65	CL0236-0001-0-50	PX10-AF6WP(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0236-0001-0-30	PX10-AF6WP(30)	Mitsubishi Shindoh CO.,LTD.
66	CL0236-0003-5-50	PX50-SC-231(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0236-0003-5-30	PX50-SC-231(30)	Mitsubishi Shindoh CO.,LTD.
67	CL0236-0005-0-50	PX10-AD4WP(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0236-0005-0-30	PX10-AD4WP(30)	Mitsubishi Shindoh CO.,LTD.
68	CL0236-0008-9-50	PX50-SC-131(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0236-0008-9-30	PX50-SC-131(30)	Mitsubishi Shindoh CO.,LTD.
69	CL0236-0009-1-50	PX11-AC3P(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0236-0009-1-30	PX11-AC3P(30)	Mitsubishi Shindoh CO.,LTD.
70	CL0236-0011-3-50	PX11-BD3P(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0236-0011-3-30	PX11-BD3P(30)	Mitsubishi Shindoh CO.,LTD.
71	CL0236-0013-9-50	PX11-AD4P(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0236-0013-9-30	PX11-AD4P(30)	Mitsubishi Shindoh CO.,LTD.
72	CL0236-0014-1-50	PX11-BF4P(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0236-0014-1-30	PX11-BF4P(30)	Mitsubishi Shindoh CO.,LTD.
73	CL0236-3103-6-00	TJ50A-1618SCA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0236-3103-6-30	TJ50A-1618SCA(30)	JX Nippon Mining & Metals Corporation
74	CL0236-3104-9-00	TJ50A-2022SCA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0236-3104-9-30	TJ50A-2022SCA(30)	JX Nippon Mining & Metals Corporation
75	CL0236-3121-8-00	TJ50A-41PS-100	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0236-3121-8-30	TJ50A-41PS-100(30)	JX Nippon Mining & Metals Corporation
76	CL0241-0003-0-50	ST60-24P(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0003-0-30	ST60-24P(30)	JX Nippon Mining & Metals Corporation
77	CL0241-0003-0-51	ST60-24P(51)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0003-0-31	ST60-24P(31)	JX Nippon Mining & Metals Corporation
78	CL0241-0004-3-80	ST40X-24S-CV(80)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0004-3-30	ST40X-24S-CV(30)	JX Nippon Mining & Metals Corporation
79	CL0241-0004-3-81	ST40X-24S-CV(81)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0004-3-31	ST40X-24S-CV(31)	JX Nippon Mining & Metals Corporation
80	CL0241-0011-9-50	ST60-18P(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0011-9-30	ST60-18P(30)	JX Nippon Mining & Metals Corporation
81	CL0241-0011-9-51	ST60-18P(51)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0011-9-31	ST60-18P(31)	JX Nippon Mining & Metals Corporation
82	CL0241-0012-1-80	ST40X-18S-CV(80)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0012-1-30	ST40X-18S-CV(30)	JX Nippon Mining & Metals Corporation
83	CL0241-0016-2-80	ST40X-18S-CVR(80)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0016-2-30	ST40X-18S-CVR(30)	JX Nippon Mining & Metals Corporation
84	CL0241-0020-0-50	ST80X-18S(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0020-0-30	ST80X-18S(30)	JX Nippon Mining & Metals Corporation
85	CL0241-0021-2-80	ST40-10S-CV(80)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0021-2-30	ST40-10S-CV(30)	JX Nippon Mining & Metals Corporation
86	CL0241-0022-5-00	ST60-10P	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0022-5-30	ST60-10P(30)	JX Nippon Mining & Metals Corporation
87	CL0241-0023-8-80	ST40X-24S-CV1(80)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0023-8-30	ST40X-24S-CV1(30)	JX Nippon Mining & Metals Corporation
88	CL0241-0028-1-00	ST60X-18S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0028-1-30	ST60X-18S(30)	JX Nippon Mining & Metals Corporation
89	CL0241-0029-4-80	ST40X-10S-CVR(80)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0029-4-30	ST40X-10S-CVR(30)	JX Nippon Mining & Metals Corporation
90	CL0241-0030-3-00	ST80X-10S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0030-3-30	ST80X-10S(30)	JX Nippon Mining & Metals Corporation
91	CL0241-0033-1-00	ST60-36P	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0033-1-30	ST60-36P(30)	JX Nippon Mining & Metals Corporation
92	CL0241-0034-4-80	ST40X-36S-CV(80)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0034-4-30	ST40X-36S-CV(30)	JX Nippon Mining & Metals Corporation
93	CL0241-0035-7-00	ST60X-36S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0035-7-30	ST60X-36S(30)	JX Nippon Mining & Metals Corporation
94	CL0241-0036-0-00	ST60-36PR	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0036-0-30	ST60-36PR(30)	JX Nippon Mining & Metals Corporation
95	CL0241-0037-2-50	ST80X-24S(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0037-2-30	ST80X-24S(30)	JX Nippon Mining & Metals Corporation
96	CL0241-0037-2-51	ST80X-24S(51)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0037-2-31	ST80X-24S(31)	JX Nippon Mining & Metals Corporation
97	CL0241-0040-7-80	ST40-10S-CVR(80)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0040-7-30	ST40-10S-CVR(30)	JX Nippon Mining & Metals Corporation
98	CL0241-0041-0-80	ST40X-10S-CV(80)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0041-0-30	ST40X-10S-CV(30)	JX Nippon Mining & Metals Corporation
99	CL0241-0051-3-00	ST40X-SY1B-18(7)S-CVR	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0051-3-30	ST40X-SY1B-18(7)S-CVR(30)	

List of Discontinued Alternative Products

Discontinued Products				Alternative Products		
NO	Product Code	Product Name	Material supplier	Product Code	Product Name	Material supplier
104	CL0241-0066-0-00	ST40-BS-24S-CV	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0066-0-30	ST40-BS-24S-CV(30)	JX Nippon Mining & Metals Corporation
105	CL0241-0067-3-00	ST40X-SO3A-18S-CV1	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0067-3-30	ST40X-SO3A-18S-CV1(30)	JX Nippon Mining & Metals Corporation
106	CL0241-0068-6-00	ST60-SO3A-18P	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0068-6-30	ST60-SO3A-18P(30)	JX Nippon Mining & Metals Corporation
107	CL0241-0069-9-00	ST40-SO3A-18S-CV1	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0241-0069-9-30	ST40-SO3A-18S-CV1(30)	JX Nippon Mining & Metals Corporation
108	CL0242-0002-4-00	ZX40-B-5S-UNIT	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0002-4-30	ZX40-B-5S-UNIT(30)	JX Nippon Mining & Metals Corporation
109	CL0242-0002-4-12	ZX40-B-5S-UNIT(12)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0002-4-31	ZX40-B-5S-UNIT(31)	JX Nippon Mining & Metals Corporation
110	CL0242-0002-4-13	ZX40-B-5S-UNIT(13)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0002-4-32	ZX40-B-5S-UNIT(32)	JX Nippon Mining & Metals Corporation
111	CL0242-0009-3-00	ZX64-B-5S-UNIT	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0009-3-30	ZX64-B-5S-UNIT(30)	JX Nippon Mining & Metals Corporation
112	CL0242-0009-3-14	ZX64-B-5S-UNIT(14)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0009-3-31	ZX64-B-5S-UNIT(31)	JX Nippon Mining & Metals Corporation
113	CL0242-0009-3-61	ZX64-B-5S-UNIT(61)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0009-3-32	ZX64-B-5S-UNIT(32)	JX Nippon Mining & Metals Corporation
114	CL0242-0009-3-62	ZX64-B-5S-UNIT(14)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0009-3-33	ZX64-B-5S-UNIT(33)	JX Nippon Mining & Metals Corporation
115	CL0242-0010-2-00	ZX40-A-5S-UNIT	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0010-2-30	ZX40-A-5S-UNIT(30)	JX Nippon Mining & Metals Corporation
116	CL0242-0012-8-00	ZX20-B-5S-UNIT	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0012-8-30	ZX20-B-5S-UNIT(30)	JX Nippon Mining & Metals Corporation
117	CL0242-0012-8-12	ZX20-B-5S-UNIT(12)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0012-8-31	ZX20-B-5S-UNIT(31)	JX Nippon Mining & Metals Corporation
118	CL0242-0012-8-13	ZX20-B-5S-UNIT(13)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0012-8-32	ZX20-B-5S-UNIT(32)	JX Nippon Mining & Metals Corporation
119	CL0242-0017-1-00	ZX80-B-5S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0017-1-30	ZX80-B-5S(30)	JX Nippon Mining & Metals Corporation
120	CL0242-0017-1-01	ZX80-B-5S(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0017-1-31	ZX80-B-5S(31)	JX Nippon Mining & Metals Corporation
121	CL0242-0017-1-02	ZX80-B-5S(02)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0017-1-32	ZX80-B-5S(32)	JX Nippon Mining & Metals Corporation
122	CL0242-0019-7-00	ZX80-B-5SA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0019-7-30	ZX80-B-5SA(30)	JX Nippon Mining & Metals Corporation
123	CL0242-0019-7-01	ZX80-B-5SA(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0019-7-31	ZX80-B-5SA(31)	JX Nippon Mining & Metals Corporation
124	CL0242-0024-7-01	ZX62M-B-5P(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0024-7-30	ZX62M-B-5P(30)	JX Nippon Mining & Metals Corporation
125	CL0242-0024-7-03	ZX62M-B-5P(03)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0024-7-31	ZX62M-B-5P(31)	JX Nippon Mining & Metals Corporation
126	CL0242-0025-0-00	ZX62RD-AB-5P8	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0025-0-30	ZX62RD-AB-5P8(30)	JX Nippon Mining & Metals Corporation
127	CL0242-0025-5-00	ZX62D-AB-5P8	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0025-5-30	ZX62D-AB-5P8(30)	JX Nippon Mining & Metals Corporation
128	CL0242-0027-5-01	ZX62D-AB-5P8(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0027-5-31	ZX62D-AB-5P8(31)	JX Nippon Mining & Metals Corporation
129	CL0242-0028-8-00	ZX62R-B-5P	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0028-8-30	ZX62R-B-5P(30)	JX Nippon Mining & Metals Corporation
130	CL0242-0028-8-01	ZX62R-B-5P(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0028-8-31	ZX62R-B-5P(31)	JX Nippon Mining & Metals Corporation
131	CL0242-0028-8-48	ZX62R-B-5P(48)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0028-8-32	ZX62R-B-5P(32)	JX Nippon Mining & Metals Corporation
132	CL0242-0033-8-01	ZX62-B-5PA(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0033-8-31	ZX62-B-5PA(31)	JX Nippon Mining & Metals Corporation
133	CL0242-0033-8-02	ZX62-B-5PA(02)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0033-8-32	ZX62-B-5PA(32)	JX Nippon Mining & Metals Corporation
134	CL0242-0033-8-11	ZX62-B-5PA(11)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0033-8-33	ZX62-B-5PA(33)	JX Nippon Mining & Metals Corporation
135	CL0242-0033-8-21	ZX62-B-5PA(21)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0033-8-35	ZX62-B-5PA(35)	JX Nippon Mining & Metals Corporation
136	CL0242-0033-8-74	ZX62-B-5PA(74)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0033-8-34	ZX62-B-5PA(34)	JX Nippon Mining & Metals Corporation
137	CL0242-0034-0-00	ZX62D-B-5P8	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0034-0-30	ZX62D-B-5P8(30)	JX Nippon Mining & Metals Corporation
138	CL0242-0034-0-01	ZX62D-B-5P8(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0034-0-31	ZX62D-B-5P8(31)	JX Nippon Mining & Metals Corporation
139	CL0242-0035-3-00	ZX62R-AB-5P	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0035-3-30	ZX62R-AB-5P(30)	JX Nippon Mining & Metals Corporation
140	CL0242-0037-9-00	ZX41-B-5S-UNIT	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
141	CL0242-0039-4-00	ZX64-A-5S-UNIT	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0039-4-30	ZX64-A-5S-UNIT(30)	JX Nippon Mining & Metals Corporation
142	CL0242-0041-6-01	ZX62MD1-B-5P(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0041-6-31	ZX62MD1-B-5P(31)	JX Nippon Mining & Metals Corporation
143	CL0242-0042-9-00	ZX40C-B-5S-UNIT	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0042-9-30	ZX40C-B-5S-UNIT(30)	JX Nippon Mining & Metals Corporation
144	CL0242-0043-1-00	ZX60-B-5S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0043-1-30	ZX60-B-5S(30)	JX Nippon Mining & Metals Corporation
145	CL0242-0043-1-01	ZX60-B-5S(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0043-1-31	ZX60-B-5S(31)	JX Nippon Mining & Metals Corporation
146	CL0242-0045-7-11	ZX62-AB-5PA(11)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0045-7-31	ZX62-AB-5PA(31)	JX Nippon Mining & Metals Corporation
147	CL0242-0045-7-74	ZX62-AB-5PA(74)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0045-7-32	ZX62-AB-5PA(32)	JX Nippon Mining & Metals Corporation
148	CL0242-0046-0-01	ZX62MD1-AB-5P(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0046-0-31	ZX62MD1-AB-5P(31)	JX Nippon Mining & Metals Corporation
149	CL0242-0047-2-00	ZX41-B-5S-SC	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
150	CL0242-0048-5-00	ZX62D1-B-5PA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0048-5-30	ZX62D1-B-5PA(30)	JX Nippon Mining & Metals Corporation
151	CL0242-0048-5-48	ZX62D1-B-5PA(48)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0048-5-31	ZX62D1-B-5PA(31)	JX Nippon Mining & Metals Corporation
152	CL0242-0050-7-00	ZX62MD2-B-5PA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0050-7-30	ZX62MD2-B-5PA(30)	JX Nippon Mining & Metals Corporation
153	CL0242-0051-0-00	ZX80-B-5P	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0051-0-30	ZX80-B-5P(30)	JX Nippon Mining & Metals Corporation
154	CL0242-0051-0-01	ZX80-B-5P(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0051-0-31	ZX80-B-5P(31)	JX Nippon Mining & Metals Corporation
155	CL0242-0052-2-00	ZX20-B-5SB	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0052-2-30	ZX20-B-5SB(30)	JX Nippon Mining & Metals Corporation
156	CL0242-0052-2-01	ZX20-B-5SB(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0052-2-31	ZX20-B-5SB(31)	JX Nippon Mining & Metals Corporation
157	CL0242-0056-3-00	ZX62D-B-5PA8	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0056-3-30	ZX62D-B-5PA8(30)	JX Nippon Mining & Metals Corporation
158	CL0242-0056-3-01	ZX62D-B-5PA8(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0056-3-31	ZX62D-B-5PA8(31)	JX Nippon Mining & Metals Corporation
159	CL0242-0056-3-02	ZX62D-B-5PA8(02)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0056-3-32	ZX62D-B-5PA8(32)	JX Nippon Mining & Metals Corporation
160	CL0242-0058-9-00	ZX62D-B-HC-5PA6	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0058-9-30	ZX62D-B-HC-5PA6(30)	JX Nippon Mining & Metals Corporation
161	CL0242-0058-9-01	ZX62D-B-HC-5PA6(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0058-9-31	ZX62D-B-HC-5PA6(31)	JX Nippon Mining & Metals Corporation
162	CL0242-0062-6-00	ZX20-B-BU-5S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0062-6-30	ZX20-B-BU-5S(30)	JX Nippon Mining & Metals Corporation
163	CL0242-0063-9-00	ZX40-A-5S-1500-STDA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0063-9-30	ZX40-A-5S-1500-STDA(30)	JX Nippon Mining & Metals Corporation
164	CL0242-0064-1-00	ZX60-B-5SA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0064-1-30	ZX60-B-5SA(30)	JX Nippon Mining & Metals Corporation
165	CL0242-0064-1-01	ZX60-B-5SA(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0064-1-31	ZX60-B-5SA(31)	JX Nippon Mining & Metals Corporation
166	CL0242-0065-4-00	ZX62D-B-PM-5PA8	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0065-4-30	ZX62D-B-PM-5PA8(30)	JX Nippon Mining & Metals Corporation
167	CL0242-0065-4-01	ZX62D-B-PM-5PA8(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0065-4-31	ZX62D-B-PM-5PA8(31)	JX Nippon Mining & Metals Corporation
168	CL0242-0069-5-00	ZX40-B-5SS-300-STDA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0069-5-30	ZX40-B-5SS-300-STDA(30)	JX Nippon Mining & Metals Corporation
169	CL0242-0074-5-00	ZX40S-B-5S	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
170	CL0242-0074-5-48	ZX40S-B-5S(48)	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
171	CL0242-0074-5-49	ZX40S-B-5S(49)	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
172	CL0242-0074-5-50	ZX40S-B-5S(50)	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
173	CL0242-0074-5-51	ZX40S-B-5S(51)	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
174	CL0242-0077-3-00	ZX62D2-AB-5PA8	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0077-3-30	ZX62D2-AB-5PA8(30)	JX Nippon Mining & Metals Corporation
175	CL0242-0079-9-00	ZX40-A-5S-700-STDA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0079-9-30	ZX40-A-5S-700-STDA(30)	JX Nippon Mining & Metals Corporation
176	CL0242-0500-1-00	ZX360D-B-10P	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0500-1-30	ZX360D-B-10P(30)	JX Nippon Mining & Metals Corporation
177	CL0242-0501-4-00	ZX360-B-10S-UNIT	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0501-4-30	ZX360-B-10S-UNIT(30)	JX Nippon Mining & Metals Corporation
178	CL0242-0507-0-00	ZX360D-B-WD-10P	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0507-0-30	ZX360D-B-WD-10P(30)	JX Nippon Mining & Metals Corporation
179	CL0242-0507-0-01	ZX360D-B-WD-10P(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0507-0-31	ZX360D-B-WD-10P(31)	JX Nippon Mining & Metals Corporation
180	CL0242-0513-3-00	ZX360D1-B-10P	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0513-3-30	ZX360D1-B-10P(30)	JX Nippon Mining & Metals Corporation
181	CL0242-0514-6-00	ZX360D1-B-CN-10P	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-0514-6-30	ZX360D1-B-CN-10P(30)	JX Nippon Mining & Metals Corporation
182	CL0242-1001-7-00	ZX40-B-5S-1000-STDA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-1001-7-30	ZX40-B-5S-1000-STDA(30)	JX Nippon Mining & Metals Corporation
183	CL0242-1004-5-00	ZX64-B-5S-1000-STDA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-1004-5-30	ZX64-B-5S-1000-STDA(30)	JX Nippon Mining & Metals Corporation
184	CL0242-1005-8-00	ZX40-A-5S-75-STDAJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-1005-8-30	ZX40-A-5S-75-STDAJ(30)	JX Nippon Mining & Metals Corporation
185	CL0242-1006-0-00	ZX40-B-5S-500-STDA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-1006-0-30	ZX40-B-5S-500-STDA(30)	JX Nippon Mining & Metals Corporation
186	CL0242-1007-3-00	ZX40-B-5S-1500-STDA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-1007-3-30	ZX40-B-5S-1500-STDA(30)	JX Nippon Mining & Metals Corporation
187	CL0242-1011-0-00	ZX40-B-5SS-FT-250	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0242-1011-0-30	ZX40-B-5SS-FT-250(30)	JX Nippon Mining & Metals Corporation
188	CL0247-0001-3-00	GX60-18P	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0247-0001-3-30	GX60-18P(30)	JX Nippon Mining & Metals Corporation
189	CL0247-0002-6-00	GX40-18S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0247-0002-6-30	GX40-18S(30)	JX Nippon Mining & Metals Corporation
190	CL0247-0004-1-00	GX40-SO-22(9)S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0247-0004-1-30	GX40-SO-22(9)S(30)	JX Nippon Mining & Metals Corporation
191	CL0247-0005-4-00	GX20-SO-22S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0247-0005-4-30	GX20-SO-22S(30)	JX Nippon Mining & Metals Corporation
192	CL0247-0006-7-00	GX40-SO-22(11)S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0247-0006-7-30	GX40-SO-22(11)S(30)	JX Nippon Mining & Metals Corporation
193	CL0247-0007-0-00	GX40-SO-22S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0247-0007-0-30	GX40-SO-22S(30)	JX Nippon Mining & Metals Corporation
194	CL0247-0009-5-00	GX40-SO-22(12)S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0247-0009-5-30	GX40-SO-22(12)S(30)	JX Nippon Mining & Metals Corporation
195	CL0247-0010-4-00	GX60-SO-22PA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0247-0010-4-30	GX60-SO-22PA(30)	JX Nippon Mining & Metals Corporation
196	CL0247-0012-0-00	GX40-SO-28(9)S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0247-0012-0-30	GX40-SO-28(9)S(30)	JX Nippon Mining & Metals Corporation
197	CL0247-0013-2-00	GX20-SO-28S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0247-0013-2-30	GX20-SO-28S(30)	JX Nippon Mining & Metals Corporation
198	CL0247-0014-5-00	GX40-SO-22(10)S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0247-0014-5-30	GX40-SO-22(10)S(30)	JX Nippon Mining & Metals Corporation
199	CL0247-0015-8-00	GX40-SO-28(13)S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0247-0015-8-30	GX40-SO-28(13)S(30)	JX Nippon Mining & Metals Corporation
200	CL0247-0017-3-00	GX20-SO-22(13)S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0247-0017-3-30	GX20-SO-22(13)S(30)	JX Nippon Mining & Metals Corporation
201	CL0247-0018-6-00	GX20-SO-22(12)S	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0247-0018-6-30	GX20-SO-22(

List of Discontinued Alternative Products

Discontinued Products				Alternative Products		
NO	Product Code	Product Name	Material supplier	Product Code	Product Name	Material supplier
310	CL0681-6849-2-20	HIF6-68D-AA-28.0KB(20)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-6849-2-40	HIF6-68D-AA-28.0KB(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
311	CL0681-6855-5-00	HIF6H-34D-AA-10.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-6855-5-40	HIF6H-34D-AA-10.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
312	CL0681-6856-8-00	HIF6H-60D-AA-9.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-6856-8-40	HIF6H-60D-AA-9.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
313	CL0681-6857-0-10	HIF6-40D-AB-18.0HA(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-6857-0-40	HIF6-40D-AB-18.0HA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
314	CL0681-6858-3-00	HIF6H-100D-AA-15.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-6858-3-40	HIF6H-100D-AA-15.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
315	CL0681-6863-3-10	HIF6-50D-AB-9.0HA(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-6863-3-40	HIF6-50D-AB-9.0HA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
316	CL0681-6885-6-00	HIF6H-60D-AA-50.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-6885-6-40	HIF6H-60D-AA-50.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
317	CL0681-6891-9-00	HIF6H-80D-AA-9.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-6891-9-40	HIF6H-80D-AA-9.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
318	CL0681-6892-1-00	HIF6H-100D-AA-10.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-6892-1-40	HIF6H-100D-AA-10.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
319	CL0681-6911-4-00	HIF6H-50D-AA-12.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-6911-4-40	HIF6H-50D-AA-12.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
320	CL0681-6919-6-10	HIF612-40DT-AB-8.5HA(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-6919-6-40	HIF612-40DT-AB-8.5HA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
321	CL0681-6920-5-71	HIF612-40DT-AB-7.0KB(71)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-6920-5-40	HIF612-40DT-AB-7.0KB(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
322	CL0681-6921-8-10	HIF612-80DT-AA-30.0HA(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-6921-8-40	HIF612-80DT-AA-30.0HA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
323	CL0681-6932-4-00	HIF6H-40D-AA-150.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-6932-4-40	HIF6H-40D-AA-150.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
324	CL0681-7002-8-00	WO-00179	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7002-8-40	WO-00179(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
325	CL0681-7003-0-00	WO-00225	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7003-0-40	WO-00225(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
326	CL0681-7010-6-00	HIF6H-50D-AA-19.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7010-6-40	HIF6H-50D-AA-19.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
327	CL0681-7075-1-00	HIF6H-60D-AA-23.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7075-1-40	HIF6H-60D-AA-23.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
328	CL0681-7076-4-00	HIF6H-60D-AA-25.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7076-4-40	HIF6H-60D-AA-25.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
329	CL0681-7140-1-00	HIF6H-100D-AB-20.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7140-1-40	HIF6H-100D-AB-20.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
330	CL0681-7141-4-00	HIF6H-60D-AB-20.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7141-4-40	HIF6H-60D-AB-20.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
331	CL0681-7149-6-00	HIF6-26D-AB-20.0SD	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7149-6-40	HIF6-26D-AB-20.0SD(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
332	CL0681-7151-8-00	HIF2EB3BA-16D-AA-50.0KB	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7151-8-40	HIF2EB3BA-16D-AA-50.0KB(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
333	CL0681-7175-6-10	HIF2EB3BA14D-AC-5.0HA(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7175-6-40	HIF2EB3BA14D-AC-5.0HA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
334	CL0681-7177-1-00	HIF6H-80D-AA-20.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7177-1-40	HIF6H-80D-AA-20.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
335	CL0681-7203-0-71	HIF612-40DT-AB-19.5SD(71)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7203-0-40	HIF612-40DT-AB-19.5SD(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
336	CL0681-7207-0-00	WT-00165	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7207-0-40	WT-00165(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
337	CL0681-7230-2-00	W3-00109	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7230-2-40	W3-00109(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
338	CL0681-7259-4-00	WT-00173	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7259-4-40	WT-00173(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
339	CL0681-7271-0-00	HIF6H-80D-AA-5.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7271-0-40	HIF6H-80D-AA-5.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
340	CL0681-7282-6-00	HIF6-68D-AA-18.0KA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7282-6-40	HIF6-68D-AA-18.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
341	CL0681-7287-0-10	WO-00281(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7287-0-40	WO-00281(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
342	CL0681-7288-2-10	WO-00282(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7288-2-40	WO-00282(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
343	CL0681-7290-4-00	WT-00181	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7290-4-40	WT-00181(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
344	CL0681-7291-7-00	WT-00182	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7291-7-40	WT-00182(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
345	CL0681-7292-0-00	W3-00106	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7292-0-40	W3-00106(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
346	CL0681-7320-3-00	HIF6-100D-AB-100.0HA	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
347	CL0681-7324-4-00	W1-00066	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7324-4-40	W1-00066(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
348	CL0681-7325-7-00	W1-00067	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7325-7-40	W1-00067(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
349	CL0681-7326-0-00	W1-00068	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7326-0-40	W1-00068(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
350	CL0681-7327-2-00	W1-00069	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7327-2-40	W1-00069(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
351	CL0681-7328-5-00	W1-00070	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7328-5-40	W1-00070(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
352	CL0681-7329-8-00	W1-00071	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7329-8-40	W1-00071(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
353	CL0681-7330-7-00	WO-00291	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7330-7-40	WO-00291(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
354	CL0681-7336-3-00	HIF6H-50D-AA-6.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7336-3-40	HIF6H-50D-AA-6.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
355	CL0681-7341-3-10	W6-00151(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7341-3-40	W6-00151(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
356	CL0681-7352-0-00	HIF6-40D-AB-100.0HA	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
357	CL0681-7360-8-00	HIF6H-100D-AA-12.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7360-8-40	HIF6H-100D-AA-12.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
358	CL0681-7362-3-00	HIF6H-40D-AB-200.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7362-3-40	HIF6H-40D-AB-200.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
359	CL0681-7365-1-00	W2-00088	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7365-1-40	W2-00088(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
360	CL0681-7371-4-00	WO-00301	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7371-4-40	WO-00301(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
361	CL0681-7376-8-00	HIF6H-60D-AA-100.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7376-8-40	HIF6H-60D-AA-100.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
362	CL0681-7377-0-00	HIF6H-40D-AB-100.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7377-0-40	HIF6H-40D-AB-100.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
363	CL0681-7378-3-00	HIF6H-60D-AB-100.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7378-3-40	HIF6H-60D-AB-100.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
364	CL0681-7379-6-00	HIF6H-40D-AB-17.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7379-6-40	HIF6H-40D-AB-17.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
365	CL0681-7380-5-10	HIF612-60DT-AA-27.0HA(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7380-5-40	HIF612-60DT-AA-27.0HA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
366	CL0681-7382-0-00	W5-00026	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7382-0-40	W5-00026(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
367	CL0681-7383-3-00	WO-00259	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7383-3-40	WO-00259(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
368	CL0681-7386-1-00	HIF6H-100D-AB-28.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7386-1-40	HIF6H-100D-AB-28.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
369	CL0681-7388-7-00	HIF6H-40D-AB-105.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7388-7-40	HIF6H-40D-AB-105.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
370	CL0681-7391-1-00	HIF6-60D-AB-6.0HA	MITSUBISHI ELECTRIC METECS CO., LTD.	-	-	-
371	CL0681-7391-1-10	HIF6-60D-AB-6.0HA(10)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7391-1-40	HIF6-60D-AB-6.0HA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
372	CL0681-7393-7-00	W6-00153	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7393-7-40	W6-00153(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
373	CL0681-7394-0-00	W6-00154	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7394-0-40	W6-00154(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
374	CL0681-7395-2-00	WT-00208	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7395-2-40	WT-00208(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
375	CL0681-7396-5-00	WT-00196	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7396-5-40	WT-00196(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
376	CL0681-7397-8-00	WT-00197	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7397-8-40	WT-00197(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
377	CL0681-7398-0-00	WT-00218	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7398-0-40	WT-00218(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
378	CL0681-7399-3-00	WT-00219	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7399-3-40	WT-00219(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
379	CL0681-7400-0-00	WT-00220	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7400-0-40	WT-00220(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
380	CL0681-7405-4-00	W6-00156	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7405-4-40	W6-00156(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
381	CL0681-7407-0-00	WO-00248	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7407-0-40	WO-00248(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
382	CL0681-7420-8-00	WO-00297	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7420-8-40	WO-00297(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
383	CL0681-7421-0-00	WT-00232	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7421-0-40	WT-00232(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
384	CL0681-7421-0-01	WT-00232(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7421-0-41	WT-00232(41)	NGK INSULATORS.LTD./Brush Wellman Inc.
385	CL0681-7428-0-00	W6-00157	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7428-0-40	W6-00157(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
386	CL0681-7431-4-00	W6-00158	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7431-4-40	W6-00158(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
387	CL0681-7433-0-00	HIF6H-100D-AA-38.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7433-0-40	HIF6H-100D-AA-38.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
388	CL0681-7442-0-00	W3-00123HW	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7442-0-40	W3-00123HW(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
389	CL0681-7442-0-01	W3-00123HW(01)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7442-0-41	W3-00123HW(41)	NGK INSULATORS.LTD./Brush Wellman Inc.
390	CL0681-7442-0-02	W3-00123HW(02)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7442-0-42	W3-00123HW(42)	NGK INSULATORS.LTD./Brush Wellman Inc.
391	CL0681-7442-0-03	W3-00123HW(03)	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7442-0-43	W3-00123HW(43)	NGK INSULATORS.LTD./Brush Wellman Inc.
392	CL0681-7443-3-00	HIF6H-34D-AA-50.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7443-3-40	HIF6H-34D-AA-50.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
393	CL0681-7449-0-00	HIF6H-34D-AA-19.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7449-0-40	HIF6H-34D-AA-19.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
394	CL0681-7450-9-00	HIF6H-50D-AA-77.0HW	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7450-9-40	HIF6H-50D-AA-77.0HW(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
395	CL0681-7451-1-00	WO-00304	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7451-1-40	WO-00304(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
396	CL0681-7452-4-00	WT-00247	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7452-4-40	WT-00247(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
397	CL0681-7453-7-00	WT-00248	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7453-7-40	WT-00248(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
398	CL0681-7454-0-00	HIF6H-40D-AA-140.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7454-0-40	HIF6H-40D-AA-140.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
399	CL0681-7456-5-00	HIF6H-100D-AB-55.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7456-5-40	HIF6H-100D-AB-55.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
400	CL0681-7457-8-00	HIF6H-60D-AA-55.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7457-8-40	HIF6H-60D-AA-55.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
401	CL0681-7458-0-00	HIF6H-60D-AB-55.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7458-0-40	HIF6H-60D-AB-55.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
402	CL0681-7460-2-00	WO-00305	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7460-2-40	WO-00305(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
403	CL0681-7461-5-00	WT-00239	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7461-5-40	WT-00239(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
404	CL0681-7462-8-00	HIF6-40D-AB-27.0KA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7462-8-40	HIF6-40D-AB-27.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
405	CL0681-7463-0-00	HIF6-50D-AB-18.0KA	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7463-0-40	HIF6-50D-AB-18.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
406	CL0681-7464-3-00	WO-00306	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7464-3-40	WO-00306(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
407	CL0681-7466-9-00	WT-00249	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7466-9-40	WT-00249(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
408	CL0681-7468-4-00	HIF6H-34D-AA-21.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7468-4-40	HIF6H-34D-AA-21.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
409	CL0681-7469-7-00	HIF6H-34D-AA-40.0JJ	MITSUBISHI ELECTRIC METECS CO., LTD.	CL0681-7469-7-40	HIF6H-34D-AA-40.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
410	CL0681-7470-6-00	HIF6H-34D-AA-64.0JJ	MITSUBISHI ELECTRIC METE			

List of Discontinued Alternative Products

Discontinued Products				Alternative Products		
NO	Product Code	Product Name	Material supplier	Product Code	Product Name	Material supplier
413	CL0681-7474-7-00	WT-00251	mitsubishi electric metecs co., ltd.	CL0681-7474-7-40	WT-00251(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
414	CL0681-7475-0-00	WO-00307	mitsubishi electric metecs co., ltd.	CL0681-7475-0-40	WO-00307(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
415	CL0681-7476-2-00	HIF6-100D-AA-300.0KA	mitsubishi electric metecs co., ltd.	CL0681-7476-2-40	HIF6-100D-AA-300.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
416	CL0681-7479-0-00	WT-00254	mitsubishi electric metecs co., ltd.	CL0681-7479-0-40	WT-00254(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
417	CL0681-7480-0-00	WT-00255	mitsubishi electric metecs co., ltd.	CL0681-7480-0-40	WT-00255(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
418	CL0681-7480-0-01	WT-00255(01)	mitsubishi electric metecs co., ltd.	CL0681-7480-0-41	WT-00255(41)	NGK INSULATORS.LTD./Brush Wellman Inc.
419	CL0681-7481-2-00	WT-00256	mitsubishi electric metecs co., ltd.	CL0681-7481-2-40	WT-00256(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
420	CL0681-7482-5-00	WT-00257	mitsubishi electric metecs co., ltd.	CL0681-7482-5-40	WT-00257(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
421	CL0681-7483-8-00	WT-00258	mitsubishi electric metecs co., ltd.	CL0681-7483-8-40	WT-00258(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
422	CL0681-7483-8-01	WT-00258(01)	mitsubishi electric metecs co., ltd.	CL0681-7483-8-41	WT-00258(41)	NGK INSULATORS.LTD./Brush Wellman Inc.
423	CL0681-7484-0-00	WT-00259	mitsubishi electric metecs co., ltd.	CL0681-7484-0-40	WT-00259(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
424	CL0681-7485-3-00	WT-00260	mitsubishi electric metecs co., ltd.	CL0681-7485-3-40	WT-00260(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
425	CL0681-7485-3-01	WT-00260(01)	mitsubishi electric metecs co., ltd.	CL0681-7485-3-41	WT-00260(41)	NGK INSULATORS.LTD./Brush Wellman Inc.
426	CL0681-7485-3-02	WT-00260(02)	mitsubishi electric metecs co., ltd.	CL0681-7485-3-42	WT-00260(42)	NGK INSULATORS.LTD./Brush Wellman Inc.
427	CL0681-7486-6-00	W2-00094	mitsubishi electric metecs co., ltd.	CL0681-7486-6-40	W2-00094(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
428	CL0681-7488-1-00	WO-00309	mitsubishi electric metecs co., ltd.	CL0681-7488-1-40	WO-00309(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
429	CL0681-7489-4-00	W2-00095	mitsubishi electric metecs co., ltd.	CL0681-7489-4-40	W2-00095(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
430	CL0681-7490-3-00	W2-00096	mitsubishi electric metecs co., ltd.	CL0681-7490-3-40	W2-00096(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
431	CL0681-7491-6-00	HIF6-50D-AA-16.0KA	mitsubishi electric metecs co., ltd.	CL0681-7491-6-40	HIF6-50D-AA-16.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
432	CL0681-7492-9-00	HIF6-60D-AA-33.0KA	mitsubishi electric metecs co., ltd.	CL0681-7492-9-40	HIF6-60D-AA-33.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
433	CL0681-7493-1-00	HIF6-100D-AA-50.0KA	mitsubishi electric metecs co., ltd.	CL0681-7493-1-40	HIF6-100D-AA-50.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
434	CL0681-7494-4-00	HIF6-80D-AA-100.0KA	mitsubishi electric metecs co., ltd.	CL0681-7494-4-40	HIF6-80D-AA-100.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
435	CL0681-7495-7-00	HIF6H-40D-AA-30.0JJ	mitsubishi electric metecs co., ltd.	CL0681-7495-7-40	HIF6H-40D-AA-30.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
436	CL0681-7497-2-00	HIF6H-80D-AA-70.0JJ	mitsubishi electric metecs co., ltd.	CL0681-7497-2-40	HIF6H-80D-AA-70.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
437	CL0681-7499-8-00	HIF6H-80D-AA-16.0JJ	mitsubishi electric metecs co., ltd.	CL0681-7499-8-40	HIF6H-80D-AA-16.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
438	CL0681-7501-8-00	WT-00263	mitsubishi electric metecs co., ltd.	CL0681-7501-8-40	WT-00263(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
439	CL0681-7503-3-00	HIF6-20D-AB-20.0KA	mitsubishi electric metecs co., ltd.	CL0681-7503-3-40	HIF6-20D-AB-20.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
440	CL0681-7504-6-00	HIF6-20D-AB-8.0KA	mitsubishi electric metecs co., ltd.	CL0681-7504-6-40	HIF6-20D-AB-8.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
441	CL0681-7505-9-00	WT-00264	mitsubishi electric metecs co., ltd.	CL0681-7505-9-40	WT-00264(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
442	CL0681-7505-9-01	WT-00264(01)	mitsubishi electric metecs co., ltd.	CL0681-7505-9-41	WT-00264(41)	NGK INSULATORS.LTD./Brush Wellman Inc.
443	CL0681-7505-9-02	WT-00264(02)	mitsubishi electric metecs co., ltd.	CL0681-7505-9-42	WT-00264(42)	NGK INSULATORS.LTD./Brush Wellman Inc.
444	CL0681-7506-1-00	WT-00265	mitsubishi electric metecs co., ltd.	CL0681-7506-1-40	WT-00265(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
445	CL0681-7506-1-01	WT-00265(01)	mitsubishi electric metecs co., ltd.	CL0681-7506-1-41	WT-00265(41)	NGK INSULATORS.LTD./Brush Wellman Inc.
446	CL0681-7507-4-00	WT-00266	mitsubishi electric metecs co., ltd.	CL0681-7507-4-40	WT-00266(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
447	CL0681-7507-4-01	WT-00266(01)	mitsubishi electric metecs co., ltd.	CL0681-7507-4-41	WT-00266(41)	NGK INSULATORS.LTD./Brush Wellman Inc.
448	CL0681-7508-7-00	WT-00267	mitsubishi electric metecs co., ltd.	CL0681-7508-7-40	WT-00267(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
449	CL0681-7508-7-01	WT-00267(01)	mitsubishi electric metecs co., ltd.	CL0681-7508-7-41	WT-00267(41)	NGK INSULATORS.LTD./Brush Wellman Inc.
450	CL0681-7509-0-00	WT-00268	mitsubishi electric metecs co., ltd.	CL0681-7509-0-40	WT-00268(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
451	CL0681-7509-0-01	WT-00268(01)	mitsubishi electric metecs co., ltd.	CL0681-7509-0-41	WT-00268(41)	NGK INSULATORS.LTD./Brush Wellman Inc.
452	CL0681-7510-9-00	WT-00269	mitsubishi electric metecs co., ltd.	CL0681-7510-9-40	WT-00269(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
453	CL0681-7511-1-00	WO-00204	mitsubishi electric metecs co., ltd.	CL0681-7511-1-40	WO-00204(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
454	CL0681-7512-4-00	WO-00313	mitsubishi electric metecs co., ltd.	CL0681-7512-4-40	WO-00313(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
455	CL0681-7513-7-00	WO-00314	mitsubishi electric metecs co., ltd.	CL0681-7513-7-40	WO-00314(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
456	CL0681-7514-0-00	W6-00163	mitsubishi electric metecs co., ltd.	CL0681-7514-0-40	W6-00163(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
457	CL0681-7515-2-00	WY-00296	mitsubishi electric metecs co., ltd.	CL0681-7515-2-40	WY-00296(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
458	CL0681-7518-0-00	HIF6H-34D-AB-150.0JJ	mitsubishi electric metecs co., ltd.	CL0681-7518-0-40	HIF6H-34D-AB-150.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
459	CL0681-7519-3-00	HIF6-20D-AA-9.0KA	mitsubishi electric metecs co., ltd.	CL0681-7519-3-40	HIF6-20D-AA-9.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
460	CL0681-7520-2-00	HIF6-60D-AA-5.0KA	mitsubishi electric metecs co., ltd.	CL0681-7520-2-40	HIF6-60D-AA-5.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
461	CL0681-7521-5-00	HIF6-68D-AA-8.0KA	mitsubishi electric metecs co., ltd.	CL0681-7521-5-40	HIF6-68D-AA-8.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
462	CL0681-7523-0-00	HIF6H-34D-AB-19.0JJ	mitsubishi electric metecs co., ltd.	CL0681-7523-0-40	HIF6H-34D-AB-19.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
463	CL0681-7526-9-00	HIF6-68D-AA-10.0KA	mitsubishi electric metecs co., ltd.	CL0681-7526-9-40	HIF6-68D-AA-10.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
464	CL0681-7527-1-00	HIF6-20D-AA-200.0KA	mitsubishi electric metecs co., ltd.	CL0681-7527-1-40	HIF6-20D-AA-200.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
465	CL0681-7528-4-00	HIF6-60D-AA-200.0KA	mitsubishi electric metecs co., ltd.	CL0681-7528-4-40	HIF6-60D-AA-200.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
466	CL0681-7529-7-00	HIF6-68D-AA-200.0KA	mitsubishi electric metecs co., ltd.	CL0681-7529-7-40	HIF6-68D-AA-200.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
467	CL0681-7530-6-00	HIF6H-60D-AB-15.0JJ	mitsubishi electric metecs co., ltd.	CL0681-7530-6-40	HIF6H-60D-AB-15.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
468	CL0681-7531-9-00	HIF6-68D-AA-100.0KA	mitsubishi electric metecs co., ltd.	CL0681-7531-9-40	HIF6-68D-AA-100.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
469	CL0681-7532-1-00	HIF6-60D-AA-100.0KA	mitsubishi electric metecs co., ltd.	CL0681-7532-1-40	HIF6-60D-AA-100.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
470	CL0681-7533-4-00	HIF6-20D-AA-100.0KA	mitsubishi electric metecs co., ltd.	CL0681-7533-4-40	HIF6-20D-AA-100.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
471	CL0681-7534-7-00	HIF6-68D-AA-7.0KA	mitsubishi electric metecs co., ltd.	CL0681-7534-7-40	HIF6-68D-AA-7.0KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
472	CL0681-7536-2-00	HIF6-20D-AB-8.5KA	mitsubishi electric metecs co., ltd.	CL0681-7536-2-40	HIF6-20D-AB-8.5KA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
473	CL0681-7539-0-00	WO-00329	mitsubishi electric metecs co., ltd.	CL0681-7539-0-40	WO-00329(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
474	CL0681-7541-2-00	WO-00330	mitsubishi electric metecs co., ltd.	CL0681-7541-2-40	WO-00330(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
475	CL0681-7541-2-01	WO-00330(01)	mitsubishi electric metecs co., ltd.	CL0681-7541-2-41	WO-00330(41)	NGK INSULATORS.LTD./Brush Wellman Inc.
476	CL0681-7541-2-02	WO-00330(02)	mitsubishi electric metecs co., ltd.	CL0681-7541-2-42	WO-00330(42)	NGK INSULATORS.LTD./Brush Wellman Inc.
477	CL0681-7542-5-00	WO-00331	mitsubishi electric metecs co., ltd.	CL0681-7542-5-40	WO-00331(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
478	CL0681-7543-8-00	HIF6H-50D-AA-7.0JJ	mitsubishi electric metecs co., ltd.	CL0681-7543-8-40	HIF6H-50D-AA-7.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
479	CL0681-7544-0-00	HIF6H-60D-AA-10.0JJ	mitsubishi electric metecs co., ltd.	CL0681-7544-0-40	HIF6H-60D-AA-10.0JJ(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
480	CL0681-7546-6-00	W2-00101	mitsubishi electric metecs co., ltd.	CL0681-7546-6-40	W2-00101(40)	NGK INSULATORS.LTD./Brush Wellman Inc.
481	CL0681-7547-9-00	HIF6-100D-AB-50.0TA	mitsubishi electric metecs co., ltd.	CL0681-7547-9-40	HIF6-100D-AB-50.0TA(40)	NGK INSULATORS.LTD./Brush Wellman Inc.

Acknowledgement

(Customer -> Hirose Electric business representative)

Notice of Treatment for Our Products Using Metallic Materials
Made by Mitsubishi Electric Metecs Co., Ltd.
and Request for Your Acknowledgement

We acknowledge the aforementioned matter.

●Customer's name: _____

●Acknowledgment stamp (or signature): _____

HIROSE ELECTRIC CO., LTD.

_____ (Cut on this line) _____

Document Receipt

(Customer -> Hirose Electric business representative)

Notice of Treatment for Our Products Using Metallic Materials
Made by Mitsubishi Electric Metecs Co., Ltd.
and Request for Your Acknowledgement

We received the document concerning the above.

●Customer's name: _____

●Receipt stamp (or signature): _____

HIROSE ELECTRIC CO., LTD.