

**NIPPON STEEL WELDING & ENGINEERING CO.,LTD.**

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NSWE-QC-2021-003R

March 29, 2021

**Subject: Changing of AWS Classification Designations of Products**

Dear Customers,

We appreciate your selection of our welding consumables and equipment, and continuous support for us.

Due to the abolition of the American Welding Society (AWS A5.36) Classification, we change some of the AWS classification designation of our products.

Accordingly, please note the following.

1. AWS classification designation of our products

Table 1

Example of the change with respect to the old and new AWS classification  
(the new ones being applicable from April 1, 2021 and thereafter)

Application	Shield Gas	Brand Name	Old		New	
Carbon steel	CO2	SM-1	A5.36	E70T15-C1A0-CS1	A5.18	E70C-GC
	CO2	SX-26	-	-	A5.18	E70C-3C H4
	Ar-CO2	SM-1A	A5.36	E70T15-M21A2-CS1	A5.18	E70C-GMH4
	Ar-CO2	SM-3A	A5.36	E71T15-M21A4-CS1	A5.18	E70C-GMH4
	Ar-CO2	SX-50A	A5.36	E71T15-M21A2-CS1-H4	A5.18	E70C-6MH4
	CO2	SF-1	A5.36	E71T1-C1A0-CS1	A5.20	E71T-1C-H4
	CO2	SF-1E	A5.36	E71T1-C1A2-CS1	A5.20	E71T-1C
	CO2	SF-3	A5.36	E71T12-C1A2-CS2	A5.20	E71T-12C-H4
	CO2	SF-3M	A5.36	E71T1-C1A4-CS1	A5.20	E71T-9C-JH4
	CO2	SM-1S	A5.36	E70T1-C1A0-G	A5.20	E70T-1C-H4
	CO2	SM-1F	A5.36	E70T1-C1A0-CS1	A5.20	E70T-1C-H4
	Ar-CO2	SF-1A	A5.36	E71T1-M21A2-CS1	A5.20	E71T-1M-H4
Ar-CO2	SF-3A	A5.36	E71T1-M21A4-CS1	A5.20	E71T-9M-JH4	
Low-Alloy steel	Ar-CO2	SM-47A	A5.36	E80T15-M21A8-Ni1-H4	A5.28	E80C-Ni1 H4
	Ar-CO2	SX-60A	-	-	A5.28	E90C-G H4
	Ar-CO2	SX-70A	-	-	A5.28	E100C-G H4
	Ar-CO2	SX-80A	A5.36	E110T15-M21A4-G-H4	A5.28	E110C-G H4
	Ar-CO2	SM-80A	A5.36	E110T15-M21A4-G-H4	A5.28	E110C-G H4
	CO2	SF-36F	A5.36	E70T1-C1A8-K6	A5.29	E70T1-GC-H4
	CO2	SF-3E	A5.36	E81T1-C1A4-CS1	A5.29	E81T1-GC-H4
	CO2	SF-36E	A5.36	E81T1-C1A8-K2-H4	A5.29	E81T1-K2C-H4
	CO2	SF-47E	A5.36	E81T1-C1A8-Ni1-H4	A5.29	E81T1-Ni1C-JH4
	CO2	SF-50E	A5.36	E91T1-C1A8-Ni2-H4	A5.29	E91T1-Ni2C-JH4
	Ar-CO2	SF-3AMSR	A5.36	E71T1-M21A6-K6-H4 E71T1-M21P6-K6-H4	A5.29	E71T1-GM-H4
	Ar-CO2	SF-36EA	A5.36	E81T1-M21A6-K6-H4 E81T1-M21P6-K6-H4	A5.29	E81T1-Ni1M-H4
	Ar-CO2	SF-3AM	A5.36	E81T1-M21A8-Ni1-H4	A5.29	E81T1-Ni1M-H4
	Ar-CO2	SF-50A	A5.36	E91T1-M21A4-K2-H4	A5.29	E91T1-K2M-H4
	Ar-CO2	SF-65A	A5.36	E91T1-M21A4-K2-H4	A5.29	E91T1-K2M-H4
	Ar-CO2	SF-70A	A5.36	E101T1-M21A4-K2-H4	A5.29	E101T1-GM-H4
	Ar-CO2	SF-80A	A5.36	E111T1-M21A4-G-H4	A5.29	E111T1-GM-H4
Ar-CO2	SF-80AM	A5.36	E111T1-M21A2-K3-H4	A5.29	E111T1-K3M-H4	

Table 1(Continued)

Example of the change with respect to the old and new AWS classification  
(the new ones being applicable from April 1, 2021 and thereafter)

Application	Shield Gas	Brand Name	Old		New	
550-590MPa class steel	CO2	SF-55	A5.36	E81T1-C1A0-CS1	A5.29	E81T1-GC-H4
	CO2	SF-60	A5.36	E81T1-C1A2-K11	A5.29	E81T1-GC-H4
	CO2	SM-60F	A5.36	E80T1-C1A0-G	A5.29	E80T1-GC-H4
	Ar-CO2	SF-60A	A5.36	E81T1-M21A2-K11	A5.29	E81T1-GM-H4
Fire Resisting steel	CO2	SM-50FR	A5.36	E80T15-C1A0-D1	A5.28	E80C-G H4
	CO2	SF-50FR	A5.36	E81T1-C1A0-G	A5.29	E81T1-GC-H4
Corrosion Resisting steel (Low-Alloy steel)	CO2	SF-1.GP	A5.36	E71T1-C1A0-CS1	A5.20	E71T-1C-H4
	CO2	SM-1F.GP	A5.36	E70T1-C1A0-CS1	A5.20	E70T-1C-H4
	CO2	SF-50W	A5.36	E71T1-C1A0-G	A5.29	E71T1-GC-H4
	CO2	SM-50FW	A5.36	E70T1-C1AG-G	A5.29	E70T1-GC-H4
	CO2	SF-60W	A5.36	E81T1-C1A0-W2	A5.29	E81T1-W2C-H4
	CO2	SM-60FW	A5.36	E80T1-C1A0-W2	A5.29	E80T1-GC-H4
	CO2	SF-55RS	A5.36	E81T1-C1A0-G	A5.29	E81T1-GC-H4
CO2	SF-1ST	A5.36	E81T1-C1AZ-G	A5.29	E81T1-GC-H4	

For other brands, please contact us.

2. Time of the change

**Products manufactured on April 1, 2021 and thereafter**

3. Notes

- (1) Please understand that after the change, the old and new AWS classification designations coexist for a while.
- (2) For a same order, a product with the old AWS classification designation and with the new AWS classification designation may coexist. For example, a product manufactured in March or before with an old AWS classification designation may be shipped together with a product manufactured in April or after with a new AWS classification designation.
- (3) For a same order, certificates of inspection in old and new classification may be issued. For example, the certificate corresponding to a product manufactured in March or before is attached with an old AWS classification designation, and the certificate corresponding to a product manufactured in April or after is attached with a new AWS classification designation, and both certificates are issued for the same order.

In addition, this correspondence has changed the standard and type code according to the AWS standard without changing the performance specifications of the conventional product.

In addition, there is no change in the production factory.

If you have any questions, please contact us.

We appreciate your kind understanding.

Sincerely,




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K.Ishikawa  
General Manager  
Quality Control Department  
Quality Control Div.