



FNG RAW STEEL VENDOR LABEL SPECIFICATIONS

General Notes Regarding All Labels:

CISS.00008

VERSION 2025v1

04/28/2025

PAGE 1 of 2

BARCODE SYMBOLOGY

ALL BARCODES ARE TO BE:

1D - AIAG STANDARD CODE 128-98mils or higher is preferred.

2D – Data Matrix, with proper header and footer as well as field separators and field prefixes.

DATA IDENTIFIERS – As noted below, these must be included as a prefix in the barcode and must appear within the human readable portion.

QUIET ZONE – Must be maintained at the beginning & ending of each barcode segment.

CHECK DIGITS – Do Not Use

REFLECTIVITY AND CONTRAST – Must meet reflectivity and contrast requirements specified in AIAG-B10, at all electromagnetic wave lengths from B633 to B900 nanometers.

BARCODE SIZE – All must be at least .5 inches in height, not to exceed 3 inches wide.

LABEL LOCATION - Unless otherwise directed by the destination plant's purchasing department, two labels must be affixed to each container - one, on the top right-hand corner of the front of the container, and one on the top left corner on the adjacent right side. The entire label must be unobstructed so the barcode areas can be scanned.

LABEL PROTECTION - Label protection against moisture, weathering, abrasion, etc. may be required and is encouraged wherever practical. Clear plastic pouches are one example of possible protection methods. In choosing any protection method, care must be taken to assure that the labels will still meet reflectivity and contrast.

LABEL PURPOSE/USE:

Raw Metals Label: Customer Segment of an AIAG Label to be used on a single coil or container.

General: All fields must fit within the designated block and have sufficient readability.

MANDATORY SEGMENTS

All segments (human readable and barcode) are required unless stated differently in the examples below.

DATE

Human Readable Portion at least .25 inches in height

Format MM/DD/YYYY and can be Manufacturing, *Expiry, Shipment, or Label print date.

PURCHASE ORDER NUMBER

Human readable Portion: at least .25 inches in height

This will be the FNG supplied purchase order number, up to 9 digits.

PART NUMBER

Human readable Portion: at least .25 inches in height

This will be the FNG destination plant's assigned part number. This will be communicated to you on the Purchase Order.

MATERIAL SPECS

Human readable Portion: at least .25 inches in height

This will be the FNG destination plant's assigned part number. This will be communicated to you on the Purchase Order.

PART QTY (Total Weight per coil/container)

Human readable Portion: at least .25 inches in height

Total quantity of Parts in Container

UNIT OF MEASURE

Note the UOM in the human readable area only. The UOM shall be directly to the right of the human readable quantity and shall be a minimum of 0.2" high. The unit of measure shall not be bar coded.

FIELD TYPES

As noted below

LICENSE PLATE (VENDOR SERIAL NUMBER)

Human Readable Portion at least .25 inches in height

The license plate shall be a combination of the Supplier Code (N1*SU) and serial number (REF LS) that is found on the ASN (unique ascending sequential number assigned when the label is printed). The maximum length of the license plate number shall be 30 digits. The serial number must never be repeated.



HEAT TREAT NUMBER / LOT NUMBER

Heat Treat Number, Master Coil Number, or Lot Number – Direction given by local destination plants purchasing department.

RAW METALS LABEL
Label Block Sections Shown in Red:

(Note: all contents of a block must fit within the block, and not go over lines into other blocks)

1. Manufacturing/Packing Date/Shipping Date, not included in 2D barcode. Date in MM/DD/YYYY format for the date of manufacture of product. * For Expiration date, see note below.
2. 2D Barcode including the information outlined below, with appropriate headers, field separators, field prefixes, footer, etc.
3. Quantity field, included in 2D barcode with Q prefix.
4. Lot/HEAT Treat Number. Included in the 2D barcode with 1T prefix.
5. Customer Part Number, included in 2D barcode with P prefix.
6. Line feed, not included in 2D barcode. If the customer plant requests it then the Line Feed (or storage location) is to be included on the label. This will be transmitted to you in the EDI 830 for each part.
7. PO Number, not included in 2D barcode.
8. Material Specs - Product actual dimensions, height, width, length, thickness, tensile strength, etc. As requested by the Flex-N-Gate facility being supplied.
9. Vendor 'License Plate' number (N1*SU ID in ASN, followed by Supplier defined Serial # - Maximum overall 30 digits), included in 1D barcode above the number with 1J prefix. In the 2D barcode, only the Supplier Serial is included, also with the 1J prefix. For example, if N1*SU ID in ASN is 123456789 and your supplier serial is 00555666777, then in this block the text will read 12345678900555666777 and this same number will be in the 1D barcode prefixed by 1J. In the 2D, only the 00555666777 will be presented with the 1J prefix (same serial transmitted in your 856 EDI ASN).
10. Supplier Information including name, address, phone number, and part Country of Origin
11. Customer Information. Name, address.
12. Vendor area. Vendor can put any information they need, including their own serial for scanning purposes, etc. in this area.
 Note: This area may be utilized for Flex-N-Gate directed fields if such fields become a requirement.

DATE		05/05/2025 1		
ACTUAL WGHT	(LB)	35000 3	2	
HEAT TREAT		12345 4		
PART (P)		R98654 5		
LINE FEED		6		
PO #	ACTUAL SIZE			
58963 7	HEIGHT: .046 IN 8			
	WIDTH: 21.065 IN			
	LENGTH: 1506 IN			
LICENCE PLATE (1J)		9		
		20564452400007841358		
FROM:		10	TO:	11
FLEX - N - GATE HOWARD			FLEXNGATE ROYAL OAK	
DIVISION OF VENTRA GROUP CO.			FLEXNGATE ROYAL OAK	
1425 HOWARD AVE N8X 5C9			4336 COOLIDGE HWY	
519 - 258 - 3509			ROYAL OAK, MI 48073	
MADE IN UNITED STATES				
		12		

Label Size: 6X4
2D Barcode Format: (note only the supplier serial in the 1J section, the Supplier ID is separate in the V section), see note below if using Expiration date.

*>*06*/1J00555666777*/PCKT4B-17F011-ACLGTA*/Q3500*/V123456789*/1T1234567890123456E2*<*

(Serial #)	(Part #)	(QTY)	(Supplier ID)	(Heat Treat #)
------------	----------	-------	---------------	----------------

Message Header: *>

Format Header: *06

Field Separators: */ (at the beginning of each field before the prefix, including the first field after the header).

Format Trailer: E2*

Message Trailer: <*

***Expiration Dates:** If a product has an expiration date, and the receiving plant requires this info on the container label, the following changes **MUST** be made:

- Section 1 (Date Change):
 - o Date to be replaced with the Expiration date in the same format, instead of using the Manufactured date.
- Section 2 (2D Barcode Change):
 - o 2D barcode must include the Expiration date in the format 5DDMMYYYY (5D is the expiration date prefix. This data must be outside of the Format Trailer (E2*), but inside of the Message Trailer (<*). A field identifier (*/) is not required.
 - o 2D Barcode Format:
 >*06*/1J00555666777*/PCKT4B-17F011-ACLGTA*/Q50*/V123456789*/1T1234567890123456E2*5D26072021<*