

**BARCODE SYMBOLOGY**
**ALL BARCODES ARE TO BE:**

- 1) **AIAG STANDARD CODE 39** – 9.8 mils or higher is preferred.
- 2) **DATA IDENTIFIERS** – As noted below, these must be included as a prefix in the barcode and must appear within the human readable portion.
- 3) **QUIET ZONE** – Must be maintained at the beginning & ending of each barcode segment.
- 4) **CHECK DIGITS** – Do Not Use
- 5) **REFLECTIVITY AND CONTRAST** – Must meet reflectivity and contrast requirements specified in AIAG-B10, at all electromagnetic wave lengths from B633 to B900 nanometers.
- 6) **BARCODE SIZE** – All must be at least .5 inches in height, not to exceed 3 inches wide.

LABEL PURPOSE/USE: Customer Segment of an AIAG Label to be used on a single container holding one or more parts with a single part number

**MANDATORY SEGMENTS**

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

**SUPPLIER NUMBER**

*Human Readable Portion at least .25 inches in height , not exceed 2 inches*  
Your number will be communicated to you by the destination plant's purchasing departments. Typically this will be your 9 digit Dun & Bradstreet number.

**DATE**

*Human Readable Portion at least .25 inches in height*  
Format MM/DD/YYYY can be Manufacturing, Shipment, or Label print date.

**PART NUMBER**

*Human readable Portion: at least .375 inches in height*  
This will be the FNG destination plant's assigned part number. This will be communicated to you on the Purchase Order.

**UNIT OF MEASURE**

When the Unit of Measure (UOM) is "piece", notation is not required. Otherwise, note the UOM in the human readable area only. When used, the UOM shall be directly to the right of the human readable quantity and shall be a minimum of 0.2 in high. The unit of measure shall not be bar coded.

**PART DESCRIPTION**

*Human Readable Portion at least .25 inches in height*  
Supplier generated Description for the purposes of documenting manufacturing specific information. This can be alpha/numeric, not to exceed 10 characters. This may be mandatory if required by the receiving party. Usage to be determined by the buyer.

**FIELD TYPES**

As noted below

**SERIAL NUMBER**

*Human Readable Portion at least .25 inches in height*  
The serial number shall be a unique ascending sequential number assigned when the label is printed. The maximum length of the serial number shall be 12 digits. The serial number must not be repeated within two years.

**HEAT TREAT NUMBER / LOT NUMBER**

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

**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 requirements as outlined above and can be scanned.

**STEEL SHIPPING LABEL**

— User Defined Area —		
DATA IDENTIFIER = <b>(P)</b> FNG's Part Number Alpha/Numeric	PART (P) 1234567890 	
	BOL / PACK SLIP (2S) 12346578 	
DATA IDENTIFIER = <b>(K)</b> FNG's Purchase Order Number Numeric	PO# (K) CUST PO 	
	ACTUAL WGHT (2Q) 12345 	
DATA IDENTIFIER = <b>(1T)</b> Heat Treatment ID, Master Coil Number, or Lot Number Alpha/Numeric	HEAT TREAT (1T) ABC1234567 	
DATA IDENTIFIER = <b>(S)</b> Serial Number, not to repeat within two years, Alpha/Numeric	SERIAL (S) 100200300 	DATE 12/31/2010
IDENTIFIER = <b>(V)</b> Your Supplier Number Issued by FNG Alpha/Numeric	SUPPLIER (V) ABC100 	SIZE .0232 .0280 48.5000
— User Defined Area —		

**(2S)** = DATA IDENTIFIER  
Shipment ID Number (Optional)  
Alpha/Numeric

**(2Q)** = DATA IDENTIFIER  
Actual Weight of Coil/Unit  
Numeric

**(DATE)** = SHIPMENT/MFG  
MM/DD/YYYY

**(SIZE)** = COIL SIZE  
Numeric

**NON-STEEL SHIPPING LABEL**

IDENTIFIER = <b>(P)</b> FNG's Part Number Alpha/Numeric	PART NO. (P) 12345678901234567890 	
IDENTIFIER = <b>(PD)</b> Supplier Generated Description Alpha/Numeric	PART DESCRIPTION	QTY (Q) 1234567
IDENTIFIER = <b>(V)</b> Your Supplier Number Issued by FNG Alpha/Numeric	SUPPLIER (V) 123456789 	Date 7/14/2012
IDENTIFIER = <b>(S)</b> Serial Number, not to repeat within two years Alpha/Numeric	SERIAL # (S) 123456789 	LOT# (1T) 1234567890
		PO# (K) 123456
		BOL # (2S) 123456789
	Ship From: Supplier Name, Address Line 1, Address Line 2, City, State, Zip	

**(Q)** = IDENTIFIER  
Quantity in Package  
Numeric

**(DATE)** = SHIPMENT/MFG  
MM/DD/YYYY

**(1T)** = DATA IDENTIFIER  
Supplier Lot Number  
Alpha/Numeric

**(K)** = IDENTIFIER  
FNG's Purchase Order Number  
Numeric

**(2S)** = IDENTIFIER  
Shipment ID Number (Optional)  
Alpha/Numeric