

GRAINGER

Electronic Data Interchange

Transaction Set: 850 Supplier Purchase Order

ANSI X12 Version 4010

(Version 2 Specifications)

This specification covers the Certified Vendor Requirements for Grainger and its Business Units.

Grainger Industrial Supply

Grainger Parts

Grainger Sourcing (FindMRO)

Grainger 850 Specification

This specification covers the requirements for Grainger and our Business Units - Grainger Parts & Grainger Sourcing (FindMRO).

Grainger's Value Added Network (VAN):

Grainger uses the Sterling Commerce Value Added Network. Sterling's general number is 1-800-876-9772

Grainger Production ISA ID

The list of Grainger Business Unit ISA and GS ID information will be provided prior to moving a partner to production status.

Grainger uses a separate ISA and GS ID for each of the three Grainger Business Units.

Grainger Requirement – 997 - Functional Acknowledgment

All outbound 850 Purchase Orders transmitted by Grainger require a 997 Functional Acknowledgment back from the Trading Partner, acknowledging the transaction at the group level. Grainger requires the 997 FA back within a 24 hour time period.

850 Purchase Order

Functional Group ID=**PO**

Header:

Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat
ST	Transaction Set Header	M	1	
BEG	Beginning Segment for Purchase Order	M	1	
REF	Reference Identification	M/O	6	
PER	Administrative Communications Contact	M/O	3	
ITD	Terms of Sale/Deferred Terms of Sale	O	1	
LOOP ID - N9				1000
N9	Reference Identification	M	1	
MSG	Message Text	M	7	MSG segment can occur up to 7 occurrences
LOOP ID - N1				200
N1	Name	M	1	
N2	Additional Name Information	O	1	
N3	Address Information	M	1	
N4	Geographic Location	M	1	

Detail:

Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat
LOOP ID - PO1				100000
PO1	Baseline Item Data	M	1	
LOOP ID - PID				2
PID	Product/Item Description	M	2	
FOB	F.O.B Related Instructions	M	1	
TD5	Carrier Details (Routing Sequence/Transit Time)	O	1	
TD4	Carrier Details (Special Handling)	O	1	
MSG	Message Text	O	1	MSG segment can occur for 1 instance
LOOP ID - SCH				200
SCH	Line Item Schedule	M	1	

Summary:

Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat
LOOP ID - CTT				1
CTT	Transaction Totals	M	1	
AMT	Monetary Amount	M	1	
SE	Transaction Set Trailer	M	1	

Segment: **ST** Transaction Set Header
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 850 Purchase Order	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

Segment: **BEG** Beginning Segment for Purchase Order
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
BEG01	353	Transaction Set Purpose Code	M ID 2/2
		Code identifying purpose of transaction set	
		00 Original	
BEG02	92	Purchase Order Type Code	M ID 2/2
		Code specifying the type of Purchase Order	
		DR Direct Ship (i.e. Third Party, Drop Ship)	
		Vendor ships directly to customer	
		NE New Order	
BEG03	324	Purchase Order Number	M AN 10/10
		Note:	
		Starting PO sequences will be unique based by Business	
		Unit:	
		➤ 4600000000 = Grainger	
		➤ 4400000000 = Grainger Parts	
		➤ 4810000000 = Grainger Sourcing (FindMRO)	
BEG04	328	Grainger Sales Order Number	O AN 1/10
		Notes:	
		➤ This segment will be populated for Third Party Orders, and may be populated for Branch Orders.	
		➤ The Grainger Sales Order Number is required on the packing list.	
BEG05	373	Purchase Order Date	M DT 8/8
		Date expressed as CCYYMMDD	

Segment: **REF** Reference Identification
Level: Heading
Usage: See below for Mandatory / Optional Usage
Purpose: To specify identifying information

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
REF01	128	Reference Identification Qualifier	ID 2/3
Usage/Notes:			
Mandatory		IA	Grainger Internal Supplier Number AN 8/8
Mandatory			
Note: Refer to the Grainger Brand Organization Code Value spreadsheet for a listing of all Brand Organization Codes.			
		KD	Grainger Brand Organization Code Value
Mandatory – Third Party POs only		IT	Grainger Customer Purchase Order Number
Note: This element will only be populated for Third Party orders. The Grainger Customer Purchase Order Number is required back on the packing list.			
Optional		CR	Grainger Customer Account Number
Note: This element will only be populated for Third Party orders. The Grainger Customer Account Number is required back on the packing list.			
Optional		DI	Grainger Customer Project/Job Number
Note: This element will only be populated for Third Party orders. The Grainger Customer Project/Job Number is required back on the packing list.			
		DP	Grainger Customer Department/Cost Center
Optional			
Note: This element will be populated for Third Party orders. The Grainger Customer Department/Cost Center is required back on the packing list.			
Optional		RE	Grainger Customer Release Number
Note: This element will be populated for Third Party orders. The Grainger Customer Release Number is required back on the packing list.			
REF02	127	Reference Identification	X AN 1/30
Refer to the above notes			

Segment: **PER** **Administrative Communications Contact**
Level: Heading
Usage: See below for Mandatory / Optional Usage
Purpose: To identify a person or office to whom administrative communications should be directed

Data Element Summary				
Ref.	Data	Name	Attributes	
<u>Des.</u>	<u>Element</u>			
PER01	366	Contact Function Code	ID 2/2	
		BD Grainger Buyer Name	M	
		CN Grainger Customer Contact	O	
		DI Grainger Customer Delivery Contact	O	
PER02	93	Name	M	AN 1/18
		Free-form name		
PER03	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the type of communication number		
		TE Telephone		
PER04	364	Phone Number	X	AN 1/20
		Complete communications number including country or area code when applicable		
PER05	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the type of communication fax number		
		FX Fax number		
PER06	364	Fax Number	X	AN 1/20
		Complete communications number including country or area code when applicable		
PER07	365	Communication Email Qualifier	X	ID 2/2
		EM Email address		
PER08	364	Email Address	X	AN 1/40

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Level: Heading
Usage: Optional
Purpose: To specify terms of sale

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
ITD12	352	Description A free-form description to provide payment terms	O AN 1/70

Segment: **N9** Reference Identification

Level: Heading
Usage: **Mandatory**
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N901	128	Reference Identification Qualifier	M ID 2/2
		Code qualifying the Reference Identification	
		L1 Letters or Notes	
N903	369	Free-form Description	M AN 1/20
		Refer to MSG segment	

Segment: **MSG** Message Text
Level: Heading
Usage: **Mandatory – Note: This segment can repeat up to 7 occurrences**
Purpose: To provide a free-form format that allows the transmission of text information

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
MSG01	933	Free-Form Message Text	M AN 1/264

Note: This segment can repeat up to 7 occurrences.

Line 1 contains Grainger's
T & Cs required on the
Packing List.

Line 2 contains Return
Guidance Instructions.
Return Guidance
Instructions required on
the Packing List.

Line 3 contains general
contact information
required on the Packing
List

Remaining lines will be
free form text.

Segment: **N1** Name
Level: Heading
Usage: **Mandatory**
Purpose: To identify a party by type of organization, name, and code

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual OB Ordered by (Grainger) VN Vendor SF Ship From (Vendor) ST Ship To SO Sold to (Grainger Customer)	M ID 2/2
N102	93	Name Free-form name	M AN 1/40
N103	66	Identification Code Qualifier- Required for ST loop 92	M ID 2/2
N104	67	Grainger Plant Code- Required for ST loop Grainger plant code Refer to Grainger plant location spreadsheet for a listing of all Grainger plant locations	M AN 3/4

Note: The N103 will only be populated for the ST loop.

Note: The N104 will only be populated for the ST loop.

Segment: **N2** Additional Name Information
Level: Heading
Usage: **Optional – Note: Segment will only be optionally populated for SF, SO and ST Loop**
Purpose: To specify additional names or those longer than 35 characters in length

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N201	93	Name Free-form name	O AN 1/40
N202	93	Name Free-form name	O AN 1/40

Segment: **N3** Address Information
Level: Heading
Usage: **Mandatory – Note: Segment only required for the SF, SO and ST loop**
Purpose: To specify the location of the named party

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N301	166	Address Information Address information	M AN 1/40
N302	166	Address Information Address information	O AN 1/40

Segment: **N4** Geographic Location
Level: Heading
Usage: Mandatory – Note: Segment only required for the SF, SO and ST loop
Purpose: To specify the geographic place of the named party

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N401	19	City Name	M AN 2/30
N402	156	State or Province Code	M ID 2/2
N403	116	Postal Code	M ID 3/9
N404	26	Country Code	M ID 2/3

Segment: **PO1** Baseline Item Data
 Level: Detail
 Usage: Mandatory
 Purpose: To specify basic and most frequently used line item data

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
PO101	350	Grainger Purchase Order Line Number	M AN 5/5
PO102	330	Quantity Ordered	M R 1/15
PO103	355	Unit or Basis for Measurement Code	M ID 2/2
PO104	212	Unit Price	M R 1/17
PO106	235	Grainger Stock Number Qualifier	M ID 2/2
		CB Grainger stock number Grainger Sourcing (FindMRO) Stock Number	
PO107	234	Grainger Stock Number or Grainger Sourcing (FindMRO) Stock Number	M AN 5/10

Note: Items ordered by our Sourcing Division (FindMRO) may not contain a consistent stock number under the CB qualifier; thus a cross reference table linking the Vendor Item Number to the Grainger Sourcing (FindMRO) Stock Number should not be created. Each time an order is placed, the Vendor Item Number will consist of a different Grainger Sourcing (FindMRO) Stock Number. Only on rare occasions will the same Grainger Sourcing (FindMRO) Stock Number associate to the same Vendor Item Number.

PO108	235	Vendor Item Number Qualifier	M ID 2/2
		VN Vendor item number	
PO109	234	Vendor Item Number	M AN 1/35

PO110 Note: This element will only be populated for Third Party Orders. If this element is populated it is required back on the packing slip.	235	Grainger Customer Material Number Qualifier CP	Grainger customer material number	O	ID 2/2
PO111 Note: This element will only be populated for Third Party Orders. If this element is populated it is required back on the packing slip.	234	Grainger Customer Material Number		O	AN 1/35
PO112 Note: This element will only be populated for Third Party Orders. If this element is populated it is required back on the packing slip	235	Grainger Customer Purchase Order Line Number Qualifier PL	Grainger customer PO line number	O	ID 2/2
PO113 Note: This element will only be populated for Third Party Orders. If this element is populated it is required back on the packing slip.	234	Grainger Customer Purchase Order Line Number		O	AN 1/6
PO114	235	Manufacturers Model Number Qualifier MN	Manufacturer model number	O	ID 2/2
PO115	234	Manufacturer's Model Number		O	AN 1/40
PO116	235	Manufacturer's Part Number Qualifier MG	Manufacturer's part number	O	ID 2/2
PO117	234	Manufacturer's Part Number		O	AN 1/40
PO118 Note: This segment is a place holder for future use by Grainger and its suppliers.	235	UPC/EAN Code – For Future Use UD	UPC./EAN consumer package code (2-5-5)	O	ID 2/2

PO119

234 UPC/EAN Consumer Package Code – For Future Use
UPC/EAN Consumer Package Code

O AN 1/25

Note: This segment
is a place holder for
future use by
Grainger and its
suppliers.

Segment: **PID** **Product/Item Description**
Level: Detail
Usage: **Mandatory**
Purpose: To describe a product or process in coded or free-form format

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
PID01	349	Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
PID05	352	Item Description A free-form item description	M AN 1/80

Segment: **FOB** **F.O.B. Related Instructions**
Level: Detail
Usage: **Mandatory**
Purpose: To specify transportation instructions relating to shipment

Data Element Summary			
Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
FOB01	146	Shipment Method of Payment	M ID 2/2
		Code identifying payment terms for transportation charges	
		PO Prepaid	
		Prepaid with exception	
		CC Collect	
		Collect with exception	
		Collect and allowed	
		Consignee collect	
		PA Prepaid and add	
		TP Third Party Pay	
FOB02	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		DE Destination	
		OA Origin	
FOB03	352	Third Party Pay/Collect Account Number	O AN 1/80
		The FOB03 may be populated when QUAL TP or CC is present in the FOB01	
FOB05	335	Transportation Terms Description	X ID 3/3
		FOB = Free on board	

Segment: **TD5** **Carrier Details (Routing Sequence/Transit Time)**
Level: Detail
Usage: **Optional**
Purpose: To specify the carrier and sequence of routing and provide transit time information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TD502	66	Identification Code Qualifier	X ID 2/2
		Code designating the system/method of code structure used for Identification Code (67)	
		If TD502 Element is populated, then TD 03 will be populated	
		ZZ Carrier code qualifier	
TD503	67	Grainger Carrier Codes	X AN 5/5
		Grainger Carrier code values	
		If TD503 Element is populated, then TD502 will be populated	
TD505	387	Grainger Carrier Code Descriptions	M AN 1/35
		Description of the routing or requested routing for shipment, or the originating carrier's identity	

:
 Note: Refer to the carrier code location spreadsheet for a listing of all Grainger carrier codes.

Segment: **TD4** Carrier Details (Special Handling)
Level: Detail
Usage: Optional
Purpose: To specify transportation special handling requirements

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TD401	152	Special Handling Code	X ID 2/3
		ZZZ Mutually Defined	
T404	252	Description	X AN 1/80
		Delivery related specific instructions	

Segment: **MSG** Message Text
Level: Detail
Usage: **Optional – Note: This segment can have a single occurrence per line item**
Purpose: To provide a free-form format that allows the transmission of text information

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
MSG01	933	Free-Form Message Text	M AN 1/264
Note: This segment can have a single occurrence per line item.		Free-form message text	

Segment: **SCH** Line Item Schedule
 Level: Detail
 Usage: **Mandatory – Note: On any given PO line item (PO1) on a purchase order, it will have at least a single instance of an SCH segment. There can be instances where a single PO1 line can have multiple occurrences of an SCH segment.**

Purpose: To specify the data for scheduling a specific line-item

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
SCH01	380	Quantity Numeric value of quantity	M R 1/15
SCH02	355	Unit or Basis for Measurement Code	M ID 2/2
SCH05	374	Date/Time Qualifier 010 Requested Ship	M ID 3/3
SCH06	373	Date Date expressed as CCYYMMDD	M DT 8/8

Segment: **CTT** Transaction Totals
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
CTT01	354	Number of Line Items	M N0 1/6
		Total number of line items in the transaction set	

Segment: **AMT** Monetary Amount
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the total monetary amount

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Amount Qualifier Code</u>	
AMT01	522	TT Total Transaction Amount	M ID 2/2
AMT02	782	Monetary Amount Monetary amount	M R 1/18

Segment: **SE** Transaction Set Trailer
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
SE01	96	Number of Included Segments	M N0 1/10
		Total number of segments included in a transaction set including ST and SE segments	
SE02	329	Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Sample 850 Grainger Replenishment Purchase Order

ISA*00* *00* *ZZ*005103494 *ZZ*SUPPLIER *040720*1900*U*00401*000000210*0*P*<~
GS*PO*005103494*SUPPLIER*20110701*1832*0001*X*004010~
ST*850*000000002~
BEG*00*DR*GRAINGER PURCHASE ORDER NUMBER**20110701~
REF*IA*SUPPLIER VENDOR NUMBER (I.E. 2000 + 4 DIGITS) ~
REF*KD*20~
PER*BD*GRAINGER BUYER NAME*TE*BUYER PHONE NUMBER*FX*BUYER FAX
NUMBER*EM*BUYER EMAIL ADDRESS~
ITD*****PAYMENT TERMS~
N9*L1**REFER TO MSG SEGMENT~
MSG*FREE FORM MESSAGE TEXT~ TERMS AND CONDITIONS (CONSTANT)
MSG*FREE FORM MESSAGE TEXT~ RETURNS GUIDANCE INSTRUCTIONS (CONSTANT)
MSG*FREE FORM MESSAGE TEXT~ CONTACT INSTRUCTIONS (CONSTANT)
MSG*FREE FORM MESSAGE TEXT~
MSG*FREE FORM MESSAGE TEXT~
MSG*FREE FORM MESSAGE TEXT~
MSG*FREE FORM MESSAGE TEXT~
N1*OB*GRAINGER~
N1*VN*SUPPLIER NAME~
N1*SF*SUPPLIER NAME~
N2*ATTENTION NAME 1*ATTENTION NAME 2~
N3*SUPPLIER ADDRESS*SUPPLIER ADDRESS2~
N4*CITY*STATE*ZIPCODE*COUNTRY CODE~
N1*ST*GRAINGER BRANCH OR DC*92*939~
N2*ATTENTION NAME 1*ATTENTION NAME 2~
N3*SHIP TO ADDRESS 1*SHIP TO ADDRESS2~
N4*CITY*STATE*ZIPCODE*COUNTRY CODE~
PO1*PO LINE NUMBER*QUANTITY*UOM*PRICE**CB*GRAINGER STOCK NUMBER*VN*VENDOR
ITEM NUMBER*****MG*MANUFACTURER PART NUMBER~
PID*F*****ITEM DESCRIPTION~
FOB*PO*DE***FOB~
TD5**ZZ*CARRIER CODE**CARRIER~
TD4*ZZZ*SPECIAL/SPECIFIC DELIVERY INSTRUCTIONS~
MSG*FREE FORM MESSAGE TEXT~
SCH*QUANTITY*UOM***010*REQUESTED SHIP DATE~
PO1*00002*10*EA*1.00**CB*GRAINGER STOCK NUMBER*VN*VENDOR ITEM
NUMBER*****MG*MANUFACTURER PART NUMBER~
PID*F*****ITEM DESCRIPTION~
FOB*PO*DE***FOB~
TD5**ZZ*20518**UPS~
TD4*ZZZ*SPECIAL/SPECIFIC DELIVERY INSTRUCTIONS~
MSG*FREE FORM MESSAGE TEXT~
SCH*10*EA***010*20110702~
CTT*2~
AMT*TT*2000~
SE*41*000000002~
GE*1*0002~
IEA*1*000000210~

Sample 850 Third Party Purchase Order

ISA*00* *00* *ZZ*005103494 *ZZ*SUPPLIER *040720*1900*U*00401*000000210*0*P*<~
GS*PO*005103494*SUPPLIER*20110701*1832*0001*X*004010~
ST*850*000000002~
BEG*00*DR*GRAINGER PURCHASE ORDER NUMBER*GRAINGER SALES ORDER
NUMBER*20110701~
REF*IA*SUPPLIER VENDOR NUMBER (I.E. 2000 + 4 DIGITS) ~
REF*KD*20~
REF*IT*GRAINGER CUSTOMER PURCHASE ORDER NUMBER~
REF*CR*GRAINGER CUSTOMER ACCOUNT NUMBER~
REF*DI*GRAINGER CUSTOMER PROJECT/JOB NUMBER~
REF*DP*GRAINGER CUSTOMER DEPARTMENT/COST CENTER~
REF*RE*GRAINGER CUSTOMER RELEASE NUMBER~
PER*BD*GRAINGER BUYER NAME*TE*BUYER PHONE NUMBER*FX*BUYER FAX
NUMBER*EM*BUYER EMAIL ADDRESS~
PER*CN*CUSTOMER CONTACT NAME*TE*CUSTOMER PHONE NUMBER*FX*CUSTOMER FAX
NUMBER*EM*CUSTOMER EMAIL ADDRESS~
PER*DI*CUSTOMER DELIVERY CONTACT NAME*TE* CUSTOMER DELIVERY CONTACT PHONE
NUMBER*FX* CUSTOMER DELIVERY CONTACT FAX NUMBER*EM* CUSTOMER DELIVERY
CONTACT EMAIL ADDRESS~
ITD*****PAYMENT TERMS~
N9*L1**REFER TO MSG SEGMENT~
MSG*FREE FORM MESSAGE TEXT~ TERMS AND CONDITIONS (CONSTANT)
MSG*FREE FORM MESSAGE TEXT~ RETURNS GUIDANCE INSTRUCTIONS (CONSTANT)
MSG*FREE FORM MESSAGE TEXT~ CONTACT INSTRUCTIONS (CONSTANT)
MSG*FREE FORM MESSAGE TEXT~
MSG*FREE FORM MESSAGE TEXT~
MSG*FREE FORM MESSAGE TEXT~
MSG*FREE FORM MESSAGE TEXT~
MSG*FREE FORM MESSAGE TEXT~
N1*OB*GRAINGER~
N1*VN*SUPPLIER NAME~
N1*SF*SUPPLIER NAME~
N2*ATTENTION NAME 1*ATTENTION NAME 2~
N3*SUPPLIER ADDRESS 1*SUPPLIER ADDRESS 2~
N4*CITY*STATE*ZIPCODE*COUNTRY CODE~
N1*ST*DROP SHIP CUSTOMER*92*TPSO~
N2*ATTENTION NAME 1*ATTENTION NAME 2~
N3*SHIP TO ADDRESS 1*SHIP TO ADDRESS 2~
N4*CITY*STATE*ZIPCODE*COUNTRY CODE~
N1*SO*SOLD TO CUSTOMER~
N2*ATTENTION NAME 1*ATTENTION NAME 2~
N3*SHIP TO ADDRESS 1*SHIP TO ADDRESS 2~
N4*CITY*STATE*ZIPCODE*COUNTRY CODE
PO1*00001*10*EA*1.00**CB*GRAINGER STOCK NUMBER*VN*VENDOR ITEM
NUMBER*CP*GRAINGER CUSTOMER MATERIAL NUMBER*PL*GRAINGER CUSTOMER PURCHASE
ORDER LINE NUMBER*MN*MANUFACTURER MODEL NUMBER*MG*MANUFACTURERS PART
NUMBER~
PID*F****ITEM DESCRIPTION~
FOB*TP*DE* GRAINGER FREIGHT ACCOUNT NUMBER**FOB~
TD5**ZZ*25811**UPS GROUND~
TD4*ZZZ*SPECIAL/SPECIFIC CUSTOMER DELIVERY INSTRUCTIONS~
MSG*FREE FORM MESSAGE TEXT~
SCH*10*EA***010*20110702~
CTT*1~
AMT*TT*1000~
SE*45*000000002~
GE*1*0002~
IEA*1*000000210~

Sample 850 Grainger Parts Replenishment Purchase Order

ISA*00* *00* *ZZ*GRAINGERPART *ZZ*SUPPLIER *040720*1900*U*00401*000000210*0*P*<~
GS*PO*GRAINGERPART*SUPPLIER*20110701*1832*0001*X*004010~
ST*850*000000002~
BEG*00*DR* GRAINGER PARTS PURCHASE ORDER NUMBER**20110701~
REF*IA*SUPPLIER VENDOR NUMBER (I.E. 2000 + 4 DIGITS) ~
REF*KD*20~
PER*BD*GRAINGER BUYER NAME*TE*BUYER PHONE NUMBER*FX*BUYER FAX
NUMBER*EM*BUYER EMAIL ADDRESS~
ITD*****PAYMENT TERMS~
N9*L1**REFER TO MSG SEGMENT~
MSG*FREE FORM MESSAGE TEXT~ TERMS AND CONDITIONS (CONSTANT)
MSG*FREE FORM MESSAGE TEXT~ RETURNS GUIDANCE INSTRUCTIONS (CONSTANT)
MSG*FREE FORM MESSAGE TEXT~ CONTACT INSTRUCTIONS (CONSTANT)
MSG*FREE FORM MESSAGE TEXT~
MSG*FREE FORM MESSAGE TEXT~
MSG*FREE FORM MESSAGE TEXT~
MSG*FREE FORM MESSAGE TEXT~
N1*OB*GRAINGER~
N1*VN*SUPPLIER NAME~
N1*SF*SUPPLIER NAME~
N2*ATTENTION NAME 1*ATTENTION NAME 2~
N3*SUPPLIER ADDRESS 1*SUPPLIER ADDRESS 2~
N4*CITY*STATE*ZIPCODE*COUNTRY CODE~
N1*ST*GRAINGER BRANCH OR DC*92*939~
N2*ATTENTION NAME 1*ATTENTION NAME 2~
N3*SHIP TO ADDRESS 1*SHIP TO ADDRESS 2~
N4*CITY*STATE*ZIPCODE*COUNTRY CODE~
PO1*00001*10*EA*1.00**CB*GRAINGER STOCK NUMBER*VN*VENDOR ITEM
NUMBER*****MG*MANUFACTURER PART NUMBER~
PID*F*****ITEM DESCRIPTION~
FOB*PO*DE***FOB~
TD5**ZZ*25811**UPS GROUND~
TD4*ZZZ*SPECIAL/SPECIFIC DELIVERY INSTRUCTIONS~
MSG*FREE FORM MESSAGE TEXT~
SCH*10*EA***010*20110702~
PO1*00002*10*EA*1.00**CB*GRAINGER STOCK NUMBER*VN*VENDOR ITEM
NUMBER*****MG*MANUFACTURER PART NUMBER~
PID*F*****ITEM DESCRIPTION~
FOB*PO*DE***FOB~
TD5**ZZ*25811**UPS GROUND~
TD4*ZZZ*SPECIAL/SPECIFIC DELIVERY INSTRUCTIONS~
MSG*FREE FORM MESSAGE TEXT~
SCH*10*EA***010*20110702~
CTT*2~
AMT*TT*2000~
SE*41*000000002~
GE*1*0002~
IEA*1*000000210~

Sample 850 Grainger Sourcing (FindMRO) Purchase Order

ISA*00* *00* *ZZ*FINDMRO *ZZ*SUPPLIER *040720*1900*U*00401*000000210*0*P*<~
GS*PO*FINDMRO*SUPPLIER*20110701*1832*0001*X*004010~
ST*850*000000002~
BEG*00*DR*GRAINGER SOURCING PURCHASE ORDER NUMBER*GRAINGER SALES ORDER
NUMBER *20110701~
REF*IA* SUPPLIER VENDOR NUMBER (I.E. 2000 + 4 DIGITS) ~
REF*KD*20~
REF*IT*GRAINGER CUSTOMER PURCHASE ORDER NUMBER~
REF*CR*GRAINGER CUSTOMER ACCOUNT NUMBER~
REF*DI*GRAINGER CUSTOMER PROJECT/JOB NUMBER~
REF*DP*GRAINGER CUSTOMER DEPARTMENT/COST CENTER~
REF*RE*GRAINGER CUSTOMER RELEASE NUMBER~
PER*BD*GRAINGER BUYER NAME*TE*BUYER PHONE NUMBER*FX*BUYER FAX
NUMBER*EM*BUYER EMAIL ADDRESS~
PER*CN*CUSTOMER CONTACT NAME*TE*CUSTOMER PHONE NUMBER*FX*CUSTOMER FAX
NUMBER*EM*CUSTOMER EMAIL ADDRESS~
PER*DI*CUSTOMER DELIVERY CONTACT NAME*TE* CUSTOMER DELIVERY CONTACT PHONE
NUMBER*FX* CUSTOMER DELIVERY CONTACT FAX NUMBER*EM* CUSTOMER DELIVERY
CONTACT EMAIL ADDRESS~
ITD*****PAYMENT TERMS~
N9*L1**REFER TO MSG SEGMENT~
MSG*FREE FORM MESSAGE TEXT~ TERMS AND CONDITIONS (CONSTANT)
MSG*FREE FORM MESSAGE TEXT~ RETURNS GUIDANCE INSTRUCTIONS (CONSTANT)
MSG*FREE FORM MESSAGE TEXT~ CONTACT INSTRUCTIONS (CONSTANT)
MSG*FREE FORM MESSAGE TEXT~
MSG*FREE FORM MESSAGE TEXT~
MSG*FREE FORM MESSAGE TEXT~
MSG*FREE FORM MESSAGE TEXT~
MSG*FREE FORM MESSAGE TEXT~
N1*OB*GRAINGER~
N1*VN*SUPPLIER NAME~
N1*SF*SUPPLIER NAME~
N2*ATTENTION NAME 1*ATTENTION NAME 2~
N3*SUPPLIER ADDRESS 1*SUPPLIER ADDRESS 2~
N4*CITY*STATE*ZIPCODE*COUNTRY CODE~
N1*ST*GRAINGER CUSTOMER*Q2*TPSO~
N2*ATTENTION NAME 1*ATTENTION NAME 2~
N3*SHIP TO ADDRESS 1*SHIP TO ADDRESS 2~
N4*CITY*STATE*ZIPCODE*COUNTRY CODE~
N1*SO*SOLD TO CUSTOMER~
N2*ATTENTION NAME 1*ATTENTION NAME 2~
N3*SHIP TO ADDRESS 1*SHIP TO ADDRESS 2~
N4*CITY*STATE*ZIPCODE*COUNTRY CODE~
PO1*00001*10*EA*1.00**CB***GRAINGER SOURCING (FIND MRO) STOCK NUMBER***VN*VENDOR
ITEM NUMBER*CP*GRAINGER CUSTOMER MATERIAL NUMBER*PL*GRAINGER CUSTOMER
PURCHASE ORDER LINE NUMBER*MN*MANUFACTURER MODEL NUMBER*MG*MANUFACTURERS
PART NUMBER~
PID*F****ITEM DESCRIPTION~
FOB*PO*DE**FOB~
TD5**ZZ*25811**UPS GROUND~
TD4*ZZZ*SPECIAL SPECIAL/ SPECIFIC CUSTOMER DELIVERY INSTRUCTIONS ~
MSG*FREE FORM MESSAGE TEXT~
SCH*10*EA***010*20110702~
CTT*1~
AMT*TT*1000~
SE*45*000000002~
GE*1*0002~
IEA*1*000000210~

Note: Items ordered by our Sourcing Division (FindMRO) may not contain a consistent stock number under the CB qualifier; thus a cross reference table linking the Vendor Item Number to the Grainger Sourcing (FindMRO) Stock Number should not be created. Each time an order is placed, the Vendor Item Number will consist of a different Grainger Sourcing (FindMRO) Stock Number. Only on rare occasions will the same Grainger Sourcing (FindMRO) Stock Number associate to the same Vendor Item Number.