

**PRECISION INDUSTRIES OUTBOUND EDI
850 PURCHASE ORDER LAYOUT**

850 PURCHASE ORDER

VERSION 4010

Segment: ISA
Segment Name: Interchange Header (Mandatory)
Location: Header
Purpose: Start and identify an interchange of one or more functional Groups and interchange related control segments.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
ISA01	I01	Authorization Qualifier	2/2	“00”=No Authorization Information
ISA02	I02	Authorization Number	10/10	All spaces
ISA03	I03	Security Information Qualifier	2/2	“00”=No security Information
ISA04	I04	Security Information	10/10	Blank
ISA05	I05	Interchange ID Qualifier	2/2	Precision’s ID Qualifier
ISA06	I06	Interchange Sender ID	15/15	Precision’s Partner ID
ISA07	I07	Interchange Receiver ID Qualifier	2/2	Your ID Qualifier
ISA08	I08	Interchange Receiver ID	15/15	Your Partner ID
ISA09	I08	Creation Date	6/6	Format = YYMMDD
ISA10	I09	Creation Time	4/4	Format = HHMM
ISA11	I10	Standards Identifier	1/1	“U” = United States Standards
ISA12	I11	Version ID	5/5	00401
ISA13	I12	Interchange Control Number	9/9	Sequentially assigned by sender
ISA14	I13	Acknowledgment Requested	1/1	“1”=Acknowledgment requested
ISA15	I14	Test Indicator	1/1	“P”=Production Invoice
ISA16	I15	Sub-element separator	1/1	1=1 Hex “A1”

Segment: GS
Segment Name: Functional Group Header (Mandatory)
Location: Header
Purpose: To indicate the beginning of a functional group and to provide control information.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
GS01	479	Functional ID Code	2/2	“PO”=Purchase Order
GS02	142	Application Senders Code	2/12	Same as ISA06
GS03	124	Application Receivers Code	2/12	Same as ISA08
GS04	29	Interchange Date	8/8	Format = CCYYMMDD
GS05	30	Interchange Time	4/4	Format = HHMM
GS06	28	Group Control Number	1/9	Unique number assigned by partner
GS07	455	Responsible Agency	½	“X”=ANSI X12
GS08	480	Version/Release	1/12	Version release number “004010”

Segment: ST
Segment Name: Transaction Set Header (Mandatory)
Location: Header
Purpose: To indicate the start of a transaction set and to assign a control number.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
ST01	143	Transation Set ID Code	3/3	“850”=Purchase Order
ST02	329	Transaction set Control Number	4/9	Sequentially within Functional Group – assigned by partner

Segment: BEG
Segment Name: Beginning Segment for Purchase Order (Mandatory)
Location: Header
Purpose: To indicate the beginning of a purchase order transaction set and transmit
And transmit identifying numbers and dates.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
BEG01	373	Transaction Set Purpose Code	2/2	“00” – Original “06” – Confirming Order
BEG02	92	Purchase Order Type	2/2	“SA” – Stand Alone Order “DS” – Drop Ship Order
BEG03	324	Purchase Order Number	1/22	Precision’s Purchase Order Number (format: 4 position Precision alpha location code followed by a 6 digit number)
NOTE – it is crucial that the Precision Industries PO number be returned on invoices (810).				
BEG05	323	Purchase Order Date	8/8	Format = CCYYMMDD

Segment: REF
Segment Name: Reference Information (Optional)
Location: Header
Purpose: Convey miscellaneous information.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
REF01	128	Reference Identification Qualifier	2/3	“CO” Drop Ship PO “SI” Shipper reference
REF02	127	Reference Identification	1/50	Original Customer PO Shipper reference number

Segment: PER
Segment Name: Administrative Communications Contact
Location: Header
Purpose: To identify a person or office to whom administrative communications should Be directed.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
PER01	366	Contact Function Code	2/2	“BD” = Buyer Name
PER02	93	Name	1/60	Name
PER03	365	Communication Number Qualifier	2/2	“TE” = Telephone Number
PER04	364	Communication Number	1/80	Telephone Number
PER05	365	Communication Number Qualifier	2/2	“FX” = Telephone Number
PER06	364	Communication Number	1/80	Fax Number

Segment: FOB
Segment Name: F.O.B Related Instructions (Mandatory)
Location: Header
Purpose: To specify transportation instructions relating to shipment.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
FOB01	146	Shipment Method of	2/2	CC=Collect PP=Prepaid by Seller PC=Paid but charged to customer TP=Third Party Pay CD=COD

CC -- collect (receiver of the goods (Precision on a stock order - our customer is a direct ship order) pays the freight carrier directly)

TP -- third party (you will only see this on a DS order and frt should be billed to Precision by the frt carrier)

PC -- prepaid but charged to customer (means you pay the carrier and then bill us)

PP -- prepaid (by seller) (means you are handling frt - we will not be billed by anyone) we and our customer pay not frt

CD - COD (you probably won't see any of these) - means frt payment and goods payment collected upon delivery of goods by deliverer

Segment: DTM
Segment Name: Date/Time Reference (Mandatory)
Location: Header
Purpose: To specify pertinent dates and times.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
DTM01	374	Date/Time Qualifier	3/3	“074” = Requested Delivery
DTM02	373	Date	8/8	Format=CCYYMMDD

Segment: TD5
Segment Name: Carrier Details (Mandatory)
Location: Header
Purpose: To specify the carrier and sequence of routing and provide transit time Information.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
TD501	133	Routing Sequence Code	1/2	“1”=1 st Carrier after Origin Carrier “2”= Air Freight
TD502	66	Identification Code Qualifier	1/2	“2”=SCAC code
TD503	67	Identification Code	2/80	SCAC code
TD505	387	Routing	1/35	Freight Method Description
TD508	310	Freight Account Number	1/30	Freight Account Number

Segment: N9
Segment Name: Reference Identification (Mandatory)
Location: Header
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
N901	128	Reference Identification Qualifier	2/3	ZZ=Mutually Defined
N902	127	Reference Identificaiton	1/30	“Buyer Message”

Segment: MSG
Segment Name: Message Text (Mandatory)
Location: Header
Purpose: To provide a free-form format that allows the transmission of text information.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
MSG01	933	Free-form message text	1/264	Text

Segment: N1
 Segment Name: Name (Mandatory)
 Location: Header
 Purpose: To identify a party by type of organization, name, and code.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
N101	98	Entity Identifier Code	2/3	“BY”= Buyer “SE” = Seller “ST”=Ship To
N102	93	Name	1/60	Buyer, Sender or Ship To, Company Name
N103	66	Identification Code Qual	1/2	“92” = Assigned by Buyer or Buyers Agent
N104	67	ID Code	2/80	Code identifying a party ***

*** Branch Number is sent on Ship To's. You must use the ship-to address that is sent with the Purchase Order.

*****IF YOU DO NOT RECOGNIZE DROP, DIRECT OR STOCK ORDERS PLEASE LET US KNOW BEFORE TESTING**

Segment: N3
Segment Name: Address Information (Mandatory)
Location: Header
Purpose: To specify the location of the named party.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
N301	166	Address Information	1/55	Free form text for address
N302	166	Address Information	1/55	Free form text for address

Segment: N4
Segment Name: Geographic Location (Mandatory)
Location: Header
Purpose: To specify the geographic place of the named party.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
N401	19	City Name	2/30	Name of city
N402	156	State Code	2/2	Abbreviation of state
N403	116	Postal Code	3/9	Zip/postal code of city and state

Segment: PO1
 Segment Name: Baseline Item Data (Purchase Order) (Mandatory)
 Location: Detail
 Purpose: To specify basic and most frequently used line item data.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
PO101	350	Assigned Identification	1/20	Line Item Number
PO102	330	Quantity Ordered	1/15	Quantity
PO103	355	Unit or Basis for Measurement Code	2/2	Unit of Measure
PO104	212	Unit Price	1/17	Unit Price
PO105	639	Basis of Unit Price Code	2/2	Unit Price Code
PO106	235	Product/Service ID Qual	2/2	BP=Buyer Code VP=Vendor Code UP=UPC Code
PO107	234	Product/Service ID	1/48	Part number
PO108	235	Product/Service ID Qual	2/2	BP=Buyer Code VP=Vendor Code UP=UPC Code
PO109	234	Product/Service ID	1/48	Part Number

Segment: PID
Segment Name: Product/Item Description (Mandatory)
Location: Detail
Purpose: To describe a product or process in coded or free-form format

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
PID01	349	Item Description Type	1/1	“F” = Free-form
PID05	352	Description	1/80	Part Description

Segment: DTM
Segment Name: Date/Time Reference
Location: Detail
Purpose: To specify pertinent dates and times.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
DTM01	374	Date/Time Qualifier	3/3	“074” = Requested for Delivery
DTM02	373	Date	8/8	Format=CCYYMMDD

Segment: N9
Segment Name: Reference Identification (Mandatory)
Location: Header
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
N901	128	Reference Identification Qualifier	2/3	ZZ=Mutually Defined
N902	127	Reference Identificaiton	1/30	“Buyer Message”

Segment: MSG
Segment Name: Message Text (Mandatory)
Location: Header
Purpose: To provide a free-form format that allows the transmission of text information.

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
MSG01	933	Free-form message text	1/264	Text

Segment: CTT
Segment Name: Transaction Totals (Mandatory)
Location: Summary
Purpose: To transmit a hash total for a specific element in the transaction set

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
CTT01	354	Number of Line Items	1/6	Total number of line items in The transaction set

Segment: SE
Segment Name: Transaction Set Trailer (Mandatory)
Location: Summary
Purpose: To indicate the end of a transaction set and provide the count of the Transmitted segments. (including the ST & SE segments)

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
SE01	96	Number of included Segments	1/6	Count of segments in the transaction set
SE02	329	Transaction Set control Number	4/9	Must be the same number as the ST02 element

Segment: GE
Segment Name: Functional Group Trailer (Mandatory)
Location: Summary
Purpose: To indicate the end of a functional group and to provide control information

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
GE01	97	Number of Included Sets	1/6	Total Transaction Set Count
GE02	28	Data Interchange Control Number	1/9	Functional Group Control Number (must be the same as GS06 Element)

Segment: IEA
Segment Name: Interchange Control Trailer (Mandatory)
Location: Summary
Purpose: To indicate the end of a transmission and to provide a total of the
Number of functional groups

Segment ID	Data Element	ANSI Description	Min/Max Size	Description
IEA01	I16	Number of included Segments	1/5	The count of GS segments within the interchange
IEA02	I12	Interchange Control Number	9/9	Must be the same as the ISA13

EXAMPLE OF OUTBOUND PURCHASE ORDER

ISA*00* *00* *12*4025937036 *ZZ*COMPANY ID
*000413*0931*U*00401*000001061*0*P*}
GS*PO*4025937036*COMPANY ID*20000413*0931*1061*X*004010
ST*850*10610001
BEG*00*SA*AUT 003971**20000413
PER*BD*BUYER NAME*TE*123-456-7891*FX*123-456-7891
FOB*PP
DTM*010*20000414
TD5*1*2*UPG**UPS GROUND***XXXXXX
N9*ZZ*BUYER MESSAGE
MSG*ALL PURCHASE ORDER PRICES ARE FIRM
MSG*Any EXCEPTIONS must be provided to via
MSG*E-MAIL: audit@precisionind.com or FAX:
MSG*402-596-7850 within 24 hours of
MSG*purchase order date.
N1*BY*PRECISION INDUSTRIES
N3*C/O AUTECS*HWY 81 AT I-85
N4*ANDERSON*SC*296210000
N1*SE*VENDOR NAME
N3*P.O. BOX 2067*2930 WHITEHORSE ROAD
N4*GREENVILLE*SC*296020000
N1*ST*PRECISION INDUSTRIES*92*151
N3*HWY 81 AT I-85
N4*ANDERSON*SC*296210000
PO1*001*2*EA*11.11**BP*PART1*VP*PIPART1
PID*F****PART DESCRIPTION
DTM*074*20000414
PO1*002*3*EA*22.22**BP*PART3*VP*PIPART3
PID*F****PART3 DESCRIPTION
DTM*074*20000414
PO1*003*1*EA*33.33**BP*PART4*VP*PIPART4
PID*F****PART 4 DESC
DTM*074*20000414
PO1*004*1*EA*44.44**BP*PART5*VP*PIPART5
PID*F****PART 5 DESC
DTM*074*20000414
PO1*005*1*EA*55.55**BP*PART6*VP*PIPART6
PID*F****PART 6 DESC
PID*F****LINE 2 DESC
DTM*074*20000414
PO1*006*36*EA*66.66**BP*PART7*VP*PIPART7
PID*F****DESC 1
PID*F****DESC 2
PID*F****DESC 3
PID*F****8 PACKS PER CASE.
DTM*074*20000414
CTT*6
SE*47*10610001
GE*1*1061
IEA*1*000001061