

Burkhart Dental
ANSI ASC X12 Version EDI Conventions
850 Purchase Order Transaction Set

This document provides a layout of the data segments provided by Burkhart Dental when creating EDI purchase orders (ASC X12 transaction set 850, Version 004010).

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M = Mandatory
O = Optional

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ISA – Interchange Control Header

Ref Des.	Data Element	Size	Value
ISA00	Segment Identifier	3	ISA
	Data Element Separator	1	~
ISA01	Authorization Information Qualifier	2	00 (No Authorization Information Present)
ISA02	Authorization Information	10	space filled
ISA03	Security Information Qualifier	2	00 (No Security Information Present)
ISA04	Security Information	10	space filled
ISA05	Interchange ID qualifier	2	01 (Duns)
ISA06	Interchange Sender ID	15	027532357
ISA07	Interchange ID Qualifier	2	Vendor assigned
	01 Duns (Dun & Bradstreet)		
	02 SCAC (Standard Carrier Alpha Code)		
	08 UCC EDI Communications ID (Comm ID)		
	14 Duns Plus Suffix		
ISA08	Interchange Receiver ID	15	Vendor assigned
ISA09	Interchange date	6	YYMMDD
ISA10	Interchange time	4	HHMM
ISA11	Interchange Control Standards Identifier	1	U (US.EDI Community of ASC X12,TDCC and UCS)
ISA12	Interchange Control Version Number	9	00401
ISA13	Interchange Control Number	9	Sender assigned control number. Matches the control number in IEA02.
ISA14	Acknowledgment Requested	1	0 (No)
ISA15	Usage Indicator	1	
	P Production Data		
	T Test Data		
ISA16	Component Element Separator	1	^

Example: ISA~00~ ~00~ ~01~027532357
~XX~Receiver ID ~060315~1600~U~00401~000000015~0~P~^

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GS - Functional Group Header

Ref Des.	Data Element	Size	Value
GS00	Segment Identifier	2	GS
GS01	Functional Identifier Code	2	PO
GS02	Application Sender's Code	9	027532357
GS03	Application Receiver's Code	2/15	Vendor assigned
GS04	Date	8	CCYYMMDD
GS05	Time	4	HHMM
GS06	Group Control Number	1/9	
	Sender assigned control number. Matches the control number in GE02.		
GS07	Responsible Agency Code	1	X (Accredited Standards Committee X12)
GS08	Version / Release / Industry Identifier Code	6	004010

Example: GS~PO~027532357~Receiver ID~20060315~1600~14~X~004010^

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ST - Transaction Set Header

Ref Des.	Data Element	Size	Value
ST00	Segment Identifier	2	ST
ST01	Transaction Set Identifier Code	3	850
ST02	Transaction Set Control Number	4/9	
	Sender assigned control number. Matches the control number in SE02.		

Example: ST~850~0015^

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BEG - Beginning Segment for Purchase Order

Ref Des.	Data Element	Size	Value
BEG00	Segment Identifier	3	BEG
BEG01	Transaction Set Purpose Code	2	
	00 Original		
	06 Confirmation		
BEG02	Purchase Order Type Code	2	
	NE New Order		
	CF Confirmation		
BEG03	Purchase Order Number	1/22	Burkhart's PO Number
BEG05	Purchase Order Date	8	YYYYMMDD

Notes: A confirmation PO may be sent for orders that were previously placed by phone, fax or email.

Examples: BEG~00~NE~37899~~20060313^
 BEG~06~CF~37990~~20060313^

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DTM - Date/Time Reference

Ref Des.	Data Element	Size	Value
DTM00	Segment Identifier	3	DTM
DTM01	Date/Time Qualifier	3	038 (Ship No Later)
DTM02	Date	8	YYYYMMDD

Notes: This segment is provided only when the buyer enters a ship by date.

Example: DTM~038~20060320^

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TD5 - Carrier Details (Routing Sequence/Transit Time)

Ref Des.	Data Element	Size	Value
TD500	Segment Identifier	3	TD5
TD505	Routing	1/35	Free-form Description.

Notes: This segment is provided only if the information differs from the norm.

Example: TD5~~~~UPS Next Day Air^

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N1 - Name

Ref Des.	Data Element	Size	Value
N100	Segment Identifier	2	N1
N101	Entity Identifier Code BT (Bill to) ST (Ship to)	2	
N102	Name	1/35	Free-form name
N103	Identification Code Qualifier 1 Duns 92 Buyer assigned	1	
N104	Identification Code	2/80	027532357 (Duns) Location code

Notes: A location code will be used in N104 whenever possible.
For drop ship purchase orders, a name will be provided in N102.

Examples: N1~BT~~1~027532357^
N1~ST~~92~16^
N1~ST~Dr Jones DDS^

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N2 – Additional Name Information

Ref Des.	Data Element	Size	Value
N200	Segment Identifier	2	N2
N201	Name	1/35	Free-form name
N202	Name	1/35	Free-form name

Notes: This segment is used for names longer than 35 characters.

This segment is provided only for drop ship purchase orders.

Example: N2~C/O Family Dental^

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N3 – Address Information

Ref Des.	Data Element	Size	Value
N300	Segment Identifier	2	N3
N301	Address Information	1/50	Address Information
N302	Address Information	1/50	Address Information

Notes: This segment is provided only for drop ship purchase orders.

Example: N3~12300 Pacific Ave.^

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N4 – Geographic Location

Ref Des.	Data Element	Size	Value
N400	Segment Identifier	2	N4
N401	City Name	2/30	Free-form text for city name
N402	State	2	Standard State code
N403	Postal Code	5/9	Zip code

Notes: This segment is provided only for drop ship purchase orders.

Example: N4~Tacoma~WA~984981234

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P01 – Baseline Item Data

Ref Des.	Data Element	Size	Value
PO100	Segment Identifier	3	PO1
PO101	Assigned Identification	1/20	PO line number
PO102	Quantity Ordered	1/15	Quantity ordered
PO103	Unit of Basis for Measurement Code	2	
	BX Box		
	CA Case		
	CT Carton		
	EA Each		
	FT Foot		
	KT Kit		
	PK Package		
	RL Roll		
PO104	Unit Price	1/17	
PO106	Product ID Qualifier	2	VC (Vendor's catalog number)
PO107	Product ID	1/48	Vendor part number
PO108	Product ID Qualifier	2	IN (Buyer's part number)
PO109	Product ID	1/48	Burkhart part number

Notes: If vendor part number is not available, PO106 and P107 will contain "IN" and Burkhart's part number and segment PID will also be provided.

Examples: PO1~115~1~PK~132.6~~VC~55010~IN~65407025^
PO1~115~1~PK~132.6~~IN~65407025^

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PID – Product/Item Description

Ref Des.	Data Element	Size	Value
PID100	Segment Identifier	3	PID
PID101	Item Description Type	1	F (Free-form)
PID105	Description	1/80	Free-form Description

Notes: This segment is provided only when vendor part number is not provided in PO107.

Example: PID~F~~~~047040 Tall Cylinder^

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CTT – Transaction Totals

Ref Des.	Data Element	Size	Value
CTT00	Segment Identifier	3	CTT
CTT01	Number of Line Items	1/6	Total number of PO1 segments

Example: CTT~115^

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SE – Transaction Set Trailer

Ref Des.	Data Element	Size	Value
SE00	Segment Identifier	2	SE
SE01	Number of Included Segments Total number of segments in a transaction set, including ST and SE segments.	1/10	
SE02	Transaction Set Control Number Sender assigned control number. Matches the control number in ST02.	4/9	

Example: SE~121~0015^

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GE – Functional Group Trailer

Ref Des.	Data Element	Size	Value
GE00	Segment Identifier	2	GE
GE01	Number of Transaction Sets Included 1/6 Total number of transaction sets included in the functional group.		
GE02	Group Control Number	1/9	Sender assigned control number. Matches the control number in GS06.

Example: GE~2~14^

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IEA – Interchange Control Trailer

Ref Des.	Data Element	Size	Value
IEA00	Segment Identifier	3	IEA
IEA01	Number of Included Functional Groups The number of functional groups included in the interchange.	1/5	
IEA02	Interchange Control Number Sender assigned control number. Matches the control number in ISA13.	9	

Example: IEA~1~000000015^