

Product Lookup Transaction

The Product Lookup transaction submits a Product Search Request to the supplier system, which evaluates the search criteria and returns results based on that criteria. There is a 50 row maximum for returned rows.

Part Number Search

The Part Number Search allows a Motion branch or distribution center to enter part information and send the transaction to the supplier. The supplier then returns possible matches to the user's request. The search is in one of the following formats:

- Description Search Example: "203 KDD Bearing"
- Manufacturer Part Number Example: "203 KDD BRG"
- Several Search Parameters are transmitted, such as:
 - Search Filter (Begins with, Contains, Exact)
 - Sort By (Return results in this order)
 - Sort by Quantity
 - Sort by Price
 - Sort by Description
 - Sort by Manufacturer Part Number
 - Sequence (Ascending or Descending Order)

The supplier's system returns possible matches based upon the search criteria. The submit transaction sends a "Number of Rows" to return. The transaction layout supports a maximum of 50 rows.

General

1. Z-coded (non-coded) items may be processed
2. Supplier provides two interfaces to its system: one for Production and one for Development/Test with both interfaces available on an on-going basis
3. All Supplier Connect transactions are accessible by all Motion branches and distribution centers
4. The VP_NUMBER field on all transactions contains the value from the EDP_NO field in the Motion Item Profile table (this may not contain the true Vendor Part Number—it may contain the UPC Number for the item or it may be blank depending on Motion’s Costing/Coding Department and the value it determines)

Product Search – PROD_SEARCH_SEND								
Motion Internal Use Only			Supplier Information					
Field Name	Start	End	Description	XML TAG NAME	REQ	Field Length	Max Occurs	XML Note
TRTYPE	1	1	transaction type	<PROD_SEARCH_SEND>	Y	1	1	
TRANSACTION ID			System generated number	<TRAN_ID>	Y	26	1	Must be sent in the reply and must match the send
MI_LOCATION	2	5	Mi Location	<MILOC>	Y	4	1	ie: AL02
SEARCH_INFO	6	45	Product Search Parameter	<SEARCH_INFO>	Y	40	1	ie: AA68 BELT
SEARCH_TYPE	46	46	Search Type:	<SEARCH_TYPE>	Y	1	1	(D=Desc, M=MFR Part Number)
SEARCH_FILTER	47	47	Search Filter	<SEARCH_FILTER>	Y	1	1	(B=Begins, C=Contains, E=Exact, K=Keyword)
SORT_BY	48	48	Sort By	<SORT_BY>	Y	1	1	(Q=Qty, P=Price, D=Desc, M=Mfr Part Number)
SEQUENCE	49	49	Sequence	<SORT_SEQ>	Y	1	1	(A=Ascending, D=Descending)
WILDCARD_CHAR	50	50	Wildcard	<WILDCARD_CHAR>	N	1	1	SUPPLIER DISREGARD
CALL_BRANCH	51	51	Call Branch	<CALL_BRANCH>	N	1	1	SUPPLIER DISREGARD
NO_ROWS	52	53	Number of Rows to Return	<NO_ROWS_RETURN>	Y	2	1	Maximum of 50 Rows
FILLER	54	55	Filler	N/A	N	2		SUPPLIER DISREGARD
MFR_ID	56	60	Mfr Number	<MFR_CTL_NO>	N	5	1	Manufacturer ID

Product Search – PROD_SEARCH_REPLY								
Motion Internal Use Only			Supplier Information					
Field Name	Start	End	Description	XML TAG NAME	REQ	Field Length	Max Occurs	XML Note
TRTYPE	1	1	transaction type	<PROD_SEARCH_REPLY>	Y	1		
Transaction ID			Transaction Timestamp	<TRAN_ID>	Y	26	1	Must be sent in the reply and must match the send
STATUSCODE	2	2	Status Code for Transaction	<REPLY_CODE>	Y	1	1	0=No Errors, 1=Errors
				<ITEMS Number=xx>			1	xx=Number of Items returned
				<ITEM>			50	
MFR_PART_NO	3	32	Manufacturer Part No	<VENDOR_PART>	Y	30	50	
MFR_ITEM_NO	33	62	Manufacturer Item	<VENDOR_ITEM>	N	30	50	
MFR_UPC_NO	63	77	Manufacturer UPC	<VENDOR_UPC_NO>	N	15	50	
MOTION_MINO	78	88	Motion Mino	<MINO>	N	11	50	
MOTION_ITEM	89	96	Motion Item	<ITEM_NO>	N	8	50	
UNIT_PRICE	97	107	Unit Price	<UNIT_PRICE>	N	11	50	
QTY_AVL	108	116	Quantity Available	<QTY_AVL>	N	9	50	
MFR_DESC	117	156	MFR Description	<VENDOR_DESC>	Y	40	50	
POR	157	157	Price on Request Flag	<POR>	N	1	50	Y=Call for Pricing
PHONE	158	158	Phone for additional details	<PHONE_FLAG>	N	1	50	Y=Phone Supplier for Details
PRODUCT_MESSAGE	159	198	Product Message	<MESSAGE>	N	40	50	
TOTAL_MATCHES	9803	9809	Number of Matches	<NO_MATCHES>	N	7	1	Number of Supplier Matches
ROWS_RETURNED	9810	9812	Number of rows returned in the Product Search Reply	<ROWS_RETURN>	N	3	1	Number of Rows Returned

Sample XML PROD_SEARCH_SEND document

```
<PROD_SEARCH_SEND xml:lang="en-US">
  <TRAN_ID>1323974161670</TRAN_ID>
```

```
<MILOC>FL44</MILOC>
<SEARCH_INFO>40BTB22          </SEARCH_INFO>
<SEARCH_TYPE>M</SEARCH_TYPE>
<SEARCH_FILTER>B</SEARCH_FILTER>
<SORT_BY>Q</SORT_BY>
<SORT_SEQ>D</SORT_SEQ>
<NO_ROWS_RETURN>50 </NO_ROWS_RETURN>
<MFR_CTL_NO>00123</MFR_CTL_NO>
</PROD_SEARCH_SEND>
```

Sample XML PROD_SEARCH_REPLY document

```
<?xml version="1.0" encoding="utf-8"?>
<PROD_SEARCH_REPLY>
<TRAN_ID>1323974161670</TRAN_ID>
<REPLY_CODE>0</REPLY_CODE>
<ITEMS Number="2 ">
  <ITEM>
    <VENDOR_PART>40BTB22H          </VENDOR_PART>
    <VENDOR_ITEM></VENDOR_ITEM>
    <VENDOR_UPC_NO>697950043074 </VENDOR_UPC_NO>
    <MINO>00005014598</MINO>
    <ITEM_NO>00172902</ITEM_NO>
    <UNIT_PRICE>22.35</UNIT_PRICE>
    <QTY_AVL>181</QTY_AVL>
    <VENDOR_DESC>(1610) SPK ROLLER TB SABE          </VENDOR_DESC>
    <POR></POR>
    <PHONE_FLAG></PHONE_FLAG>
    <MESSAGE>813-623-1705          </MESSAGE>
  </ITEM>
  <ITEM>
    <VENDOR_PART>40BTB22          </VENDOR_PART>
    <VENDOR_ITEM></VENDOR_ITEM>
    <VENDOR_UPC_NO>697950030678 </VENDOR_UPC_NO>
    <MINO>00005014597</MINO>
    <ITEM_NO>00172895</ITEM_NO>
    <UNIT_PRICE>22.35</UNIT_PRICE>
    <QTY_AVL>383</QTY_AVL>
    <VENDOR_DESC>(1610) SPK ROLLER TB          </VENDOR_DESC>
    <POR></POR>
    <PHONE_FLAG></PHONE_FLAG>
    <MESSAGE>813-623-1705          </MESSAGE>
  </ITEM>
</ITEMS>
<NO_MATCHES>2</NO_MATCHES>
<ROWS_RETURN>2 </ROWS_RETURN>
</PROD_SEARCH_REPLY>
```