



MAX DATABASE REFERENCE

MAX v5.6.1 Database Tables, Fields, Enumerations and Indexes

Database Descriptions from Structure Importer Software Application.

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01/05/2021 9:40 am

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ORDMST

GROUP / #/ TABLE ID

DB NAME

TABLE DESCRIPTION

Planning**ORDMST****Order_Master****Order_Master**

The main data table for orders in MAX, all order types are stored here, except return material authorizations.

Orders are designated by the significant order number and order type code.

Orders are controlled by status codes (1 through 6).

FIELD	FIELD TYPE	LENGTH	DESCRIPTION	NULL?	NOTES
ORDNUM_10	char	8	Order Number	N	Pre-defined leading digit based Order Type. Does not include Line and Delivery.
	10000000		Forecast Orders		
	20000000		Customer Orders		
	30000000		Master Scheduled Orders		
	40000000		MRP Planned Orders		
	50000000		Manufacturing Work Orders		
	60000000		Purchase and Subcontract Requisitions		
	70000000		Purchase Orders		
LINNUM_10	char	2	Line Number	N	00 to 99.
DELNUM_10	char	2	Delivery Number	N	00 to 99
PRTNUM_10	char	30	Part Identifier	N	Must exist in Part Master table.
CURDUE_10	smalldatetime	4	Current Due Date	N	The due date of the order.
RECFLG_10	char	1	Receipt Flag (Y/N)	N	New in v3.7. NIPO support.
	N		Not Received		
	Y		Received		
TAXABLE_10	char	1	Taxable Flag (Y/N)	N	New in v3.7. NIPO support.
	N		Non-taxable		
	Y		Taxable		
TYPE_10	char	2	Order Type	N	Two digit code to define the type of order.
	CR		Credit Memos		Order Number begins with 2.
	CU		Customer Orders		Order Number begins with 2.
	FC		Forecast Orders		Order Number begins with 1.
	MF		Manufactured Work Orders		Order Number begins with 5.
	MO		Maintenance Order		Order Number begins with 3.
	MS		Master Scheduled Orders		Order Number begins with 3.
	NI		Non-inventoried Purchase Order		Order Number begins with 7. Descriptions in MAX Notes.
					Used with Bill of Material Method of Subcontracting.
	PL		MRP Planned Orders		Order Number begins with 4.
	PO		Purchase Orders		Order Number begins with 7.
	PR		Purchase Requisitions		Order Number begins with 6.
	SO		Sub-contracted Purchase Order		Order Number begins with 7.
					Used with Bill of Material Method of Subcontracting.
	SR		Sub-contract Purchase Requisition		Order Number begins with 6.
					Used with Bill of Material Method of Subcontracting.
	VO		Sub-contracted Vendor Order		Order Number begins with 7.
					Used with Service Method of Subcontracting.
	VR		Sub-contracted Vendor Requisition		Order Number begins with 6.
					Used with Service Method of Subcontracting.

01/05/2021 9:40 am

ALL

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GROUP / #/ TABLE ID			DB NAME		TABLE DESCRIPTION	
ORDER_10	char	12	Order Number	N	Pre-defined prefix based Order Type. Includes Line and Delivery.	
VENID_10	char	20	Vendor Identifier	N	Must exist in Vendor Master table.	
ORGDUE_10	smalldatetime	4	Original Due Date	N	The very first current due date. Cannot be change by the user.	
PURUOM_10	char	2	Purchasing Unit of Measure	N	New in v3.7. NIPO support.	
CURQTY_10	float	8	Current Order Quantity	N		
ORGQTY_10	float	8	Original Order Quantity	N	Very first order quantity. Cannot be changed by user.	
DUEQTY_10	float	8	Due Quantity	N	Due Quantity = Current Quantity - Quantity Receipt	
CURPRM_10	smalldatetime	4	Current Promise Date	N		
FILL03_10	char	2	Filler 3	Y	Fillers after date fields are a result of the Year 2000 conversion.	
ORGPRM_10	smalldatetime	4	Original Promise Date	N	The very first promise date.	
FILL04_10	char	2	Filler 3	Y	Fillers after date fields are a result of the Year 2000 conversion.	
FRMPLN_10	char	1	Firm Planned Flag (Y/N)	N		
	N		Non Firm Planned			
	Y		Firm Plan			
STATUS_10	char	1	Order Status Code	N	Note: Not all order types use all order status codes.	
	1		Planned			
	2		Approved			
	3		Open or Released			
	4		Closed or Completed			
	5		Closed by Accounting			
	6		Cancelled			
STK_10	char	8	Stockroom Identifier	N	Must exist in Stock Master table.	
CUSORD_10	char	12	Customer Order Number	N	Holds the Planned Order or Purchase Requisition Number when assigning those to PO's	
PLANID_10	char	3	Planner Identifier	N	The person responsible for planning this part. Must exist in the Planners table.	
BUYER_10	char	3	Buyer Identifier	N	Must exist in Buyer table if "use buyer" configuration switch is turned on in System Manager.	
PSCRAP_10	float	8	Planned Scrap Quantity	N		
ASCRAP_10	float	8	Actual Scrap Quantity	N		
SCRPCD_10	char	1	Scrap Recalculated Code (Y/N)	N		
	N		No			
	Y		Yes			
SCHCDE_10	char	1	Schedule Code	N	Always B, Backwards Schedule	
REVLEV_10	char	4	Drawing Revision Level	N		
COST_10	float	8	Order Cost	N	For master scheduled and shop orders, This cost is calculated at the time the order is released based upon the bill of material.	
					This field is not changed if the order BOM is changed.	
					Used in variance calculations.	
CSTCNV_10	float	8	Cost Conversion Factor	N	The conversion rate between the BOMUOM_01 and the CSTUOM_01.	
					Example: Buy Dozen Eggs, but use individually. BOMUOM = EA, CSTUOM = DZ, CCF = 12.	
					CCF_01 = CSTUOM_01 / BOMUOM_01	
APRDBY_10	char	3	Approved By	N	Assigned in Order Navigator or Purchasing Schedule.	
ORDREF_10	char	25	Order Reference	N		
TRNDTE_10	smalldatetime	4	Transaction Date	Y		
FILL05_10	char	2	Filler 5	Y	Fillers after date fields are a result of the Year 2000 conversion.	

01/05/2021 9:40 am

ALL

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ORDMST

GROUP / #/ TABLE ID		DB NAME		TABLE DESCRIPTION	
SCHFLG_10	char	1	Schedule Flag (Q/R)	N	How to calculate lead-time from Shop Floor.
	Q		Use Standard Queue From Work Center Master table		
	R		Use Runtime From Part Routing table		
CRTRAT_10	char	7	Critical Ratio	N	A priority mechanism - Not used correctly in MAX
NEGATV_10	char	1	Negative Bill of Material Flag (Y/N)	N	
	N		No		
	Y		Yes		
REQPEG_10	char	12	Requirement Peg	N	
MPNNUM_10	char	25	Manufacturer's Part Number	N	Must exist in Manufacturer's Part Number table.
LABOR_10	float	8	Labor Value of Configured Order	N	
AMMEND_10	char	1	Amended Flag (Y/N)	N	This order has been changed (Y/N).
	N		Not amended		
	Y		Amended		
LOTNUM_10	char	30	Lot Number	N	Lot Number assigned to this order. Must exist in Lot Tracking Header.
BEGSER_10	char	30	Beginning Serial Number	N	Beginning serial number for this order. Must exist in the Serial Master table.
REWORK_10	char	1	Rework Flag (Y/N)	N	Specifies if the order is a rework order. Rework orders have different costing.
	N		Normal Order		
	Y		Rework Order		
CRTSNS_10	char	1	Create Serial Number Flag (Y/N)	N	
	N		Do Not Create		
	Y		Create		
TTLSNS_10	float	8	Total Serial Numbers	N	The total number of serial numbers assigned to this order. System calculated.
FORCUR_10	float	8	Foreign Currency Value	N	
EXCESS_10	real	4	Excess Receipt Percentage	N	For this order.
UOMCST_10	float	8	Cost Unit of Measure	N	
UOMCNV_10	float	8	Unit of Measure Cost Conversion Factor	N	
INSREQ_10	char	8	Inspection Required	N	
CREDTE_10	smalldatetime	4	Create Date	Y	The system date at the time of record creation. New in MAX v5.0.6, Batch 1986. Null if record was created prior to Batch 1986. Not populated with ETL.
RTEREV_10	char	15	Routing Revision	N	
RTEDTE_10	smalldatetime	4	Routing Revision Date	Y	
COMCDE_10	char	10	Commodity Code	N	The inventory classification scheme for this part from Part Master table. Must exist in Commodity_Code table.
ORDPTP_10	char	1	Order Type	N	
	B		Blanket PO		Not used for PO or NIPO (blank)
	O		Subcontract PO		Not used for PO or NIPO (blank)
JOBEXP_10	char	1	Job Expense	N	
JOBCST_10	float	8	Job Cost	N	
TAXCDE_10	char	7	Tax Code	N	Must exist in Tax Master table.
TAX1_10	float	8	Tax Amount	N	
GLREF_10	char	3	General Ledger Reference (override code)	N	Must exist in the General Ledger Account table. New in v3.7. NIPO support.

01/05/2021 9:40 am

ALL

Full Report

Show Indexes

ORDMST

GROUP / #/ TABLE ID			DB NAME		TABLE DESCRIPTION	
CURR_10	char	3	Currency Code	N	Must exist in Code Master table. New in v3.7.	
UDFKEY_10	char	15	User Defined Key	N		
UDFREF_10	char	25	User Defined Reference	N		
DISC_10	real	4	Discount \$	N		
RECCOST_10	float	8	Recommended Cost	N		
MPNMFG_10	char	15	Manufacturer's Name	N	From Manufacturers Part Master table.	
DEXPFLG_10	char	1	De-expedite Flag (Y/N)	N	Has the order been de-expedited? the de-expedite date is 12/31/2030.	
	N		Not De-expedited			
	Y		De-expedited			
PLSTPRNT_10	char	1	Pick List Printed Flag (Y/N)	N	Specifies if the print list has been printed.	
	N		Not Printed			
	Y		Printed			
ROUTPRNT_10	char	1	Routing List Printed Flag (Y/N)	N	Specifies if the order routing has been printed.	
	N		Not Printed			
	Y		Printed			
REQUES_10	char	20	Requested by	N	New in v3.7.	
CLSDTE_10	smalldatetime	4	Closed Date	Y	Not Used in v3.5. Later turned on.	
XDFINT_10	int	4	Expansion Field - Integer	Y	New in v4.0.	
XDFFLT_10	float	8	Expansion Field - Float	Y	New in v4.0.	
XDFBOL_10	char	1	Expansion Field - Flag	Y	New in v4.0.	
XDFDTE_10	smalldatetime	4	Expansion Field - Date	Y	New in v4.0.	
XDFTXT_10	char	100	Expansion Field - String	Y	New in v4.0.	
FILLER_10	char	50	Filler	Y	Fillers are used in fixed length records to allow for future growth.	
CreatedBy	varchar	100	Record Created By	Y	The username at the time of record creation. New in MAX v5.0.6, Batch 1986. Null if record was created prior to Batch 1986. Not populated with ETL.	
CreationDate	datetime	8	Record Created Date	Y	The system date at the time of record creation. New in MAX v5.0.6, Batch 1986. Null if record was created prior to Batch 1986. Not populated with ETL.	
ModifiedBy	varchar	100	Record Modified By	Y	The username at the time the record was last changed. New in MAX v5.0.6, Batch 1986. Null if record was created prior to Batch 1986. Not populated with ETL.	
ModificationDate	datetime	8	Record Modified Date	Y	The system date at the time the record was last changed. New in MAX v5.0.6, Batch 1986. Null if record was created prior to Batch 1986. Not populated with ETL.	
TSKCDE_10	char	6	Task Code	Y	For maintenance orders, the task being assigned to the object. Must exist in the Maintenance Task Master.	
TSKTYP_10	char	1	Task Type	Y	For maintenance orders, identifies the type of task.	
REPORTER_10	char	7	Reporter	Y	The person reporting the Maintenance Activity. Must exist in the Employee Master table.	
PRIORITY_10	char	1	Priority	Y	New in MAX v5.0.8, batch 2230. The priority of the Maintenance Order. New in MAX v5.0.8, batch 2230.	

ORDMST

GROUP / #/ TABLE ID			DB NAME		TABLE DESCRIPTION	
	HIGH		High Priority			
	LOW		Low Priority			
	MEDIUM		Medium Priority			
PHONE_10	char	20	Phone Number		Y	New in MAX v5.0.8, batch 2230.
LOCATION_10	char	50	Location		Y	New in MAX v5.0.8, batch 2230.
ALTBOM_10	char	30	Alternate Bill of Material Code		N	Must exist in Alternate Process table for this Part ID. Added in MAX v5.5, batch 2750.
ALTRTG_10	char	30	Alternate Routing Code		N	Must exist in Alternate Process table for this Part ID. Added in MAX v5.5, batch 2750.
CLASS_10	char	159	Job Class		N	The QuickBooks Job Class. New in MAX v5.5.2, batch 3080. Added for QuickBooks users.
						The Job Class may be a project number with which to group orders together.
JOB_10	char	159	Job Number		N	Appears on Shop Order and Purchase Order screens. The QuickBooks Job Number. Added for QuickBooks users.
SUBSHP_10	float	8	Subcontact Ship Quantity		Y	New in MAX v5.5.2, batch 3080. New in MAX v5.5.3, batch 3652.
						This is the quantity that has been shipped on a subcontract order when using the BOM Method of Subcontract Processing.

Total Number of Fields: 95

Record Length: 1,397

Indexes		Order_Master	
	Index Name		Description
key0		ORDNUM_10, LINNUM_10, DELNUM_10	
key1		PRTNUM_10, CURDUE_10, TYPE_10, ORDER_10	
key10		CURDUE_10	
key11		TYPE_10, ORDER_10	
key12		STATUS_10, ORDER_10	
key13		CUSORD_10	
key2		VENID_10	
key3		VENID_10, ORDNUM_10, LINNUM_10, DELNUM_10	
key4		PRTNUM_10, LOTNUM_10, ORDNUM_10, LINNUM_10, DELNUM_10	
key5		PRTNUM_10, ORDNUM_10, LOTNUM_10	
key6		PLANID_10	
key7		BUYER_10	
key8		COMCDE_10	
key9		UDFKEY_10	
PK_Order_Master		ORDNUM_10, LINNUM_10, DELNUM_10	

Number of Indexes: 15

ORDMST

GROUP / #/ TABLE ID		DB NAME		TABLE DESCRIPTION	
Relationships		Order_Master			
Table	Column Name	FG Key Primary Table	FG Key Field Name	FG Key Field Description	
Order_Master	PRTNUM_10	Part_Master	PRTNUM_01	Part Identifier	
	VENID_10	Vendor_Master	VENID_08	Vendor Identifier	
	STK_10	Stock_Master	STK_05	Stockroom Identifier	
	PLANID_10	Planners	PLNID_63	Planner Identifier	
	BUYER_10	Buyers	BUYID_95	Buyer Identifier	
	MPNNUM_10	Mfg_Part_Master	MPNNUM_49	Manufacturer's Part Number	
	LOTNUM_10	Part_Lot	LOTNUM_68	Lot Number	
	BEGSER_10	Serial_Master	SERIAL_71	Serial Number	
	COMCDE_10	Commodity_Codes	COMCDE_48	Commodity Code	
	TAXCDE_10	Tax_Master	TAXCDE_25	Tax Code	
	GLREF_10	General_Ledger_Acct	KEY_19	Key Field	
	CURR_10	Code_Master	CURR_36	Currency Code	
	TSKCDE_10	MO_Task_Master	TSKCDE	Task Code	
	REPORTER_10	Employee_Master	EMPID_40	Employee Identifier	
	ALTBOM_10	Alternate_Process	ALTCDE_108	Alternate Code (for BOM and Rou	
	ALTRTG_10	Alternate_Process	ALTCDE_108	Alternate Code (for BOM and Rou	
Number of Relationships:		16			
Total Number of Tables: 1					

01/05/2021 9:40 am

ALL

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ORDMST

GROUP / #/ TABLE ID

DB NAME

TABLE DESCRIPTION

Total Number of Groups: 1		Total Number of Tables: 1	
Total Number of Indexes: 15		Total Number of Enumerations: 56	
		Total Number of Fields: 95	
Total Number of Strings: 64		Total Number of Dates: 11	
Character: 62		Date Time: 2	
N Character: 0		Small Date Time: 9	
Variable Character: 2		Date: 0	
N Variable Character: 0			
N Text: 0			
Text: 0			
Total Number of Numbers: 18		Total Number of Others: 2	
Decimal: 0		Bit: 0	
Integer: 1		Binary: 0	
Tiny Integer: 0		Image: 0	
Small Integer: 0		Real: 2	
Big Integer: 0		Other: 0	
Float: 17			
Money: 0		95	

**For operational assistance please contact:**

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GROUP / #/ TABLE ID	DB NAME	TABLE DESCRIPTION
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Notes:

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The original database documenter concentrated on tables.
We began documenting the Database views in v5.5.2 (3090) as a separate document.
We began documenting the Database indexes (foreign keys) in v5.5.2 (3090). If no indexes appear for a specific table, then there are none.
We began documenting the Database Stored Procedures in v5.5.4 (3764).
We began documenting the Database Triggers in v5.5.4 (3764).

All Alert Manager and ECO Manager tables, along with the Security table are new in v5.0. They were formerly in Microsoft Access tables.
Manager Series Security is encrypted and cannot be accessed externally.
MDCM tables were added to MAX in MAX v5.5. They were added to this document in v5.5.2.
Small Package Shipping was added to this document in v5.5.2.
Labor Manager was added to this document in MAX v5.5.4.
Auto-replenishment (ARS) was added to this document in MAX v5.5.4.
MMS SQL Scripts and their required custom tables were added in MAX v5.5.5.

Every attempt to providing you with accurate information has been made. Descriptions in this document represent our knowledge of the database at the time of publication. We do not have access to source code to validate these claims.
The MAX Database is complex and ever changing, therefore working from a "paper" document is not efficient. Please evaluate the Structure Importer, which makes maintaining database notes an on-line process.
This data is a work in process. User feedback is encouraged and appreciated.

Last Updated: 12/23/2020.
v5.6.1