TRACELINK UNIVERSITY

Article master APIs

Product or Article Master Data facilitates seamless collaboration between manufacturers and third-party logistics providers (3PLs). Sharing this data accurately and promptly is crucial for ensuring compliant, efficient, and secure product handling across the supply chain.

Product or Article Master Data typically includes vital attributes such as National Drug Codes (NDCs), SKU numbers, dimensions, weight, packaging configurations, storage and handling instructions (e.g., temperature control), and regulatory compliance information. For temperature-sensitive or time-limited drugs, additional details such as shelf-life, lot tracking, and expiration dates are also included.

In a digitally integrated environment, this data is transmitted directly from the manufacturer’s ERP or Product Information Management (PIM) system to the 3PL’s Warehouse Management System (WMS). This electronic exchange ensures real-time accuracy, minimizes manual entry, and helps reduce errors—supporting traceability, regulatory compliance, and product integrity across the pharmaceutical distribution network.

Article master (IDoc)

The Product or Article Master Data IDoc message shares material master data between a MAH, (CMO), and other partners, as well as to distribute this data within

different SAP systems in the same organization.

Contact your TraceLink Services representative for more information about integrating with this message.

- **Message Type**: MPC_ARTICLE_MASTER
- **IDoc Format**: MATMAS.MATMAS05
- **Transform Names**:
  - B2B_IDoc_MATMAS_MATMAS05_ArticleMaster_IB_V1
  - B2B_IDoc_MATMAS_MATMAS05_ArticleMaster_OB_V1

Guidelines

Input Element	Occurs	Length	Description	Example
MATMAS05	1...1	-	**Required.** XML IDoc MATMAS.MATMAS05 root element.	-
IDOC	1...1	-	**Required.** IDoc root.	-
@BEGIN	1...1	0/*	**Required.** Begin of message attribute.	1
EDI_DC40	1...1	-	**Required.** IDoc control record.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
TABNAM	1...1	0/*	**Required.** IDoc table name.	EDI_DC40
MANDT	0...1	0/3	Client.	300
DOCNUM	0...1	0/16	IDoc number.	0000000000619827
DOCREL	0...1	0/4	IDoc release number.	720
STATUS	0...1	0/*	Current IDoc processing status.	03
DIRECT	0...1	0/*	Direction.	1
OUTMOD	0...1	0/1	Output mode.	2
EXPRSS	0...1	0/1	Overriding in inbound processing.	-
TEST	0...1	0/1	Test flag.	-
IDOCTYP	0...1	0/30	IDoc basic type.	MATMAS05
CIMTYP	0...1	0/*	Name of extension type.	-
MESTYP	0...1	0/*	Logical message type.	MATMAS
MESCOD	0...1	0/3	Logical message code.	-
MESFCT	0...1	0/3	Logical message function.	-
STD	0...1	0/1	EDI standard.	-
STDVRS	0...1	0/6	Version of EDI standard.	-
STDMES	0...1	0/6	EDI message type.	-
SNDPOR	1...1	0/10	**Required.** Sender port (SAP System, EDI subsystem).	SAPD11
SNDPRT	1...1	0/2	**Required.** Partner type of sender.	LS
SNDPFC	0...1	0/2	Partner function of sender.	-
SNDPRN	0...1	0/10	Partner number of sender.	ERPCLNT302
SNDSAD	0...1	0/21	Sender address (SADR).	-
SNDLAD	0...1	0/70	The logical address of sender mapping to: ◦ fileSenderNumber ◦ sapControlFileHeader/fileSenderType Require a value that concatenates party type with party identifier in party type format.	0010136941923
RCVPOR	1...1	0/10	**Required.** SAP receiver port.	TRACELINK
RCVPRT	0...1	0/2	Partner type of receiver.	LS
RCVPFC	0...1	0/2	Partner function of receiver.	LS
RCVPRN	0...1	0/10	Partner number of receiver.	TRACELINK
RCVSAD	0...1	0/21	Receiver address (SADR).	-

Input Element	Occurs	Length	Description	Example
RCVLAD	0...1	0/70	Logical address of receiver and sender.	3333331013655
CREDAT	0...1	8/8	Date IDoc was created in format YYYYMMDD.	20250711
CRETIM	0...1	6/6	Time IDoc was created in format HHMMSS.	161000
REFINT	0...1	0/14	Reference to interchange file.	-
REFGRP	0...1	0/14	Reference to message group.	-
REFMES	0...1	0/14	Reference to message.	-
ARCKEY	0...1	0/70	EDI archive key.	-
SERIAL	0...1	0/20	EDI/ALE: Serialization field.	-
E1MARAM	1...*	-	Batch master header segment.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
MSGFN	0...1	0/3	Processing function code for article master file. Valid values: ◦ 003 - DELETE ◦ 004 - CHANGE ◦ 005 - REPLACE ◦ 009 - ORIGINAL ◦ 023 - DONOTIMPORT ◦ 018 - RESEND	005
MATNR	0...1	0/10	Article identifier.	0000000632
ERSDA	0...1	0/8	Date articled created in string date format YYYYMMDD.	20250711
ERNAM	0...1	0/12	User identifier for user who created article master.	USER123
LAEDA	0...1	0/8	Date article last changed in string date format YYYYMMDD.	20250711
AENAM	0...1	0/12	User identifier for user who last changed the article master.	SCHAFFT
PSTAT	0...1	0/15	Maintenance status for article master record.	KCVDPALSQBGE
LVORM	0...1	0/1	Flag article for deletion at client level. Valid values: ◦ X - Material flagged for deletion ◦ null (not populated) - Not flagged for deletion	-
MTART	0...1	0/4	Material type. Defines groups of materials according to common attributes and/or usage such as finished goods, raw materials, semi-finished products, operating supplies, trading goods, samples.	FERT
MBRSH	0...1	0/1	Industry sector specifies the branch of industry to which the article is assigned. This code can refer to industries such as retail, aerospace and defence, education, beverage, chemicals, pharmaceuticals, and so on. Pass thru mapping.	M
MATKL	0...1	0/9	Material group. Code that groups together several materials or services with the same attributes.	001
BISMT	0...1	0/18	Previous identifier used to manage article master record in current ERP system or in another system.	IDES: 60-100F

Input Element	Occurs	Length	Description	Example
MEINS	0...1	0/3	Base unit of measure for the article master record. This is the UOM in which stocks of the article are managed. **Valid values** ◦ 02 – Statute Mile ◦ 4G – Microliter ◦ AM – Ampoule ◦ AV – Capsule ◦ BD – Bundle ◦ BG – Bag ◦ BO – Bottle ◦ BX – Box ◦ C3 – Centiliter ◦ C8 – Cubic decimeters ◦ CA – Case ◦ CC – Cubic Centimeter ◦ CF – Cubic Feet ◦ CG – Card Blister ◦ CH – Container ◦ CI – Cubic Inches ◦ CL – Cylinder ◦ CM – Centimeter ◦ CN – Can ◦ CP – Crate ◦ CQ – Cartridge ◦ CR – Cubic Meters ◦ CT – Carton ◦ DA – Day ◦ DI – Dispenser ◦ DK – Kilometers ◦ DL – Deciliter ◦ DM – Decimeter ◦ DR – Drum ◦ DS – Display ◦ DZ – Dozen ◦ EA – Each ◦ FO – US Fluid Ounce ◦ FT – Foot ◦ GA – US Gallon ◦ GL – Gram/Liter ◦ GR – Gram ◦ GS – Gross ◦ H4 – Hectoliter ◦ HF – Hundred Feet ◦ HR – Hours ◦ IN – Inch ◦ K6 – Kiloliters ◦ KG – Kilogram ◦ KT – Kit ◦ LB – US Pound ◦ LF – Linear Foot ◦ LO – Lot (unit of procurement) ◦ LT – Liter ◦ LY – Linear Yard ◦ MC – Microgram ◦ ME – Milligram ◦ ML – Milliliter ◦ MM – Millimeter ◦ MO – Months ◦ MQ – Cubic millimeter ◦ MR – Meter ◦ OZ – Ounce ◦ P1 – Percent ◦ PC – Piece ◦ PF – Pallet ◦ PK – Pack (Only supported Outbound) ◦ PK – Package ◦ PR – Pair ◦ PT – Pint ◦ QT – Quart ◦ RL – Roll ◦ SC – Square Centimeter ◦ SF – Square Foot ◦ SH – Sheet ◦ SI – Square Inch ◦ SM – Square Meter ◦ SP – Self Package ◦ ST – Set ◦ SY – Square Yard ◦ SZ – Syringe ◦ T3 – Thousand Pieces ◦ TB – Tube ◦ TH – Thousands ◦ TN – Tonne ◦ TS – Thousands ◦ TY – Tray ◦ U2 – Tablet ◦ UM – Million ◦ UN – Unit ◦ US – Dosage Form ◦ V2 – Pouch ◦ VI – Vial ◦ WK – Week ◦ YD – Yard ◦ YR – Years	EA

Input Element	Occurs	Length	Description	Example
GROES	0...1	0/32	Size and dimensions string.	-
BRGEW	0...1	0/13	Gross weight, with 3 decimal points.	1234.500
NTGEW	0...1	0/13	Net weight.	1200.125
GEWEI	0...1	0/3	Unit of measure for gross and net weight. **Valid values** ◦ SMI – Statue Mile ◦ 4G – Microliter ◦ AM – Ampoule ◦ ANN – Years ◦ AV – Capsule ◦ BE – Bundle ◦ BG – Bag ◦ BO – Bottle ◦ BX – Box ◦ CA – Can ◦ CG – Card, Blister ◦ CLT – Centiliter ◦ CMK – Square Centimeter ◦ CMQ – Cubic Centimeter ◦ CMT – Centimeter ◦ CQ – Cartridge ◦ CR – Crate ◦ CS – Case ◦ CT – Carton ◦ CY – Cylinder ◦ DAY – Day ◦ DI – Dispenser ◦ DLT – Deciliter ◦ DMT – Decimeter ◦ DR – Drum ◦ DS – Display ◦ DZN – Dozen ◦ EA – Each ◦ FOT – Foot ◦ FTK – Square Foot ◦ FTQ – Cubic Feet ◦ GL – Gram/liter ◦ GLL – Gallon ◦ GRM – Gram ◦ GRO – Gross ◦ HF – Hundred Feet ◦ HLT – Hectoliter ◦ HUR – Hours ◦ INH – Inch ◦ INK – Square Inch ◦ INQ – Cubic Inches ◦ K6 – Kiloliters ◦ KGM – Kilogram ◦ KMT – Kilometers ◦ KT – Kit ◦ LBR – Pounds ◦ LF – Linear Foot ◦ LO – Lot (unit of procurement) ◦ LTR – Liter ◦ LY – Linear Yard ◦ MC – Microgram ◦ MGM – Milligram ◦ MIL – Thousand ◦ MLT – Milliliter ◦ MMT – Millimeter ◦ MON – Months ◦ MTK – Square Meter ◦ MTQ – Cubic Meters ◦ MTR – Meter ◦ ONZ – Ounces ◦ OZA – Fluid Ounce ◦ PCE – Piece ◦ PF – Pallet ◦ PK – Package ◦ PH – Pack (PAK) ◦ PO – Pouch ◦ PR – Pair ◦ PT – Pint ◦ PU – Tray ◦ QT – Quart ◦ RO – Roll ◦ SET – Set ◦ SMI – Statute Mile ◦ ST – Sheet ◦ T3 – Thousand Pieces ◦ TU – Tube ◦ U2 – Tablet ◦ UM – Million ◦ UN – Unit ◦ VI – Vial ◦ WEE – Week ◦ YDK – Square Yard ◦ YRD – Yard	KGM
VOLUM	0...1	0/14	Volume of the article in article master record, with 3 decimal points.	0.750

Input Element	Occurs	Length	Description	Example
VOLEH	0...1	0/3	Unit of measure for volume value. **Valid values** ◦ SMI – Statue Mile ◦ 4G – Microliter ◦ AM – Ampoule ◦ ANN – Years ◦ AV – Capsule ◦ BE – Bundle ◦ BG – Bag ◦ BO – Bottle ◦ BX – Box ◦ CA – Can ◦ CG – Card, Blister ◦ CLT – Centiliter ◦ CMK – Square Centimeter ◦ CMQ – Cubic Centimeter ◦ CMT – Centimeter ◦ CQ – Cartridge ◦ CR – Crate ◦ CS – Case ◦ CT – Carton ◦ CY – Cylinder ◦ DAY – Day ◦ DI – Dispenser ◦ DLT – Deciliter ◦ DMT – Decimeter ◦ DR – Drum ◦ DS – Display ◦ DZN – Dozen ◦ EA – Each ◦ FOT – Foot ◦ FTK – Square Foot ◦ FTQ – Cubic Feet ◦ GL – Gram/liter ◦ GLL – Gallon ◦ GRM – Gram ◦ GRO – Gross ◦ HF – Hundred Feet ◦ HLT – Hectoliter ◦ HUR – Hours ◦ INH – Inch ◦ INK – Square Inch ◦ INQ – Cubic Inches ◦ K6 – Kiloliters ◦ KGM – Kilogram ◦ KMT – Kilometers ◦ KT – Kit ◦ LBR – Pounds ◦ LF – Linear Foot ◦ LO – Lot (unit of procurement) ◦ LTR – Liter ◦ LY – Linear Yard ◦ MC – Microgram ◦ MGM – Milligram ◦ MIL – Thousand ◦ MLT – Milliliter ◦ MMT – Millimeter ◦ MON – Months ◦ MTK – Square Meter ◦ MTQ – Cubic Meters ◦ MTR – Meter ◦ ONZ – Ounces ◦ OZA – Fluid Ounce ◦ PCE – Piece ◦ PF – Pallet ◦ PK – Package ◦ PH – Pack (PAK) ◦ PO – Pouch ◦ PR – Pair ◦ PT – Pint ◦ PU – Tray ◦ QT – Quart ◦ RO – Roll ◦ SET – Set ◦ SMI – Statute Mile ◦ ST – Sheet ◦ T3 – Thousand Pieces ◦ TU – Tube ◦ U2 – Tablet ◦ UM – Million ◦ UN – Unit ◦ VI – Vial ◦ WEE – Week ◦ YDK – Square Yard ◦ YRD – Yard	MTQ
RAUBE	0...1	0/2	Code defining storage conditions for the article. SAP pass thru.	10
TRAGR	0...1	0/4	Groups materials that share the same route and mode of transportation requirements. For example, all items that need to be shipped frozen could be in the same transportation group. Same with all articles that are shipped by lot and truck or in liquid form, and so on.	0001
SPART	0...1	0/2	Sales division for article.	-

Input Element	Occurs	Length	Description	Example
LAENG	0...1	0/14	Length of article, with 3 decimal place.	80.000
BREIT	0...1	0/14	Width of article, with 3 decimal place.	80.000
HOEHE	0...1	0/14	Height of article, with 3 decimal place.	120.000
MEABM	0...1	0/3	Unit of measure for length, width and height of article. **Valid values** ◦ SMI – Statue Mile ◦ 4G – Microliter ◦ AM – Ampoule ◦ ANN – Years ◦ AV – Capsule ◦ BE – Bundle ◦ BG – Bag ◦ BO – Bottle ◦ BX – Box ◦ CA – Can ◦ CG – Card, Blister ◦ CLT – Centiliter ◦ CMK – Square Centimeter ◦ CMQ – Cubic Centimeter ◦ CMT – Centimeter ◦ CQ – Cartridge ◦ CR – Crate ◦ CS – Case ◦ CT – Carton ◦ CY – Cylinder ◦ DAY – Day ◦ DI – Dispenser ◦ DLT – Deciliter ◦ DMT – Decimeter ◦ DR – Drum ◦ DS – Display ◦ DZN – Dozen ◦ EA – Each ◦ FOT – Foot ◦ FTK – Square Foot ◦ FTQ – Cubic Feet ◦ GL – Gram/liter ◦ GLL – Gallon ◦ GRM – Gram ◦ GRO – Gross ◦ HF – Hundred Feet ◦ HLT – Hectoliter ◦ HUR – Hours ◦ INH – Inch ◦ INK – Square Inch ◦ INQ – Cubic Inches ◦ K6 – Kiloliters ◦ KGM – Kilogram ◦ KMT – Kilometers ◦ KT – Kit ◦ LBR – Pounds ◦ LF – Linear Foot ◦ LO – Lot (unit of procurement) ◦ LTR – Liter ◦ LY – Linear Yard ◦ MC – Microgram ◦ MGM – Milligram ◦ MIL – Thousand ◦ MLT – Milliliter ◦ MMT – Millimeter ◦ MON – Months ◦ MTK – Square Meter ◦ MTQ – Cubic Meters ◦ MTR – Meter ◦ ONZ – Ounces ◦ OZA – Fluid Ounce ◦ PCE – Piece ◦ PF – Pallet ◦ PK – Package ◦ PH – Pack (PAK) ◦ PO – Pouch ◦ PR – Pair ◦ PT – Pint ◦ PU – Tray ◦ QT – Quart ◦ RO – Roll ◦ SET – Set ◦ SMI – Statute Mile ◦ ST – Sheet ◦ T3 – Thousand Pieces ◦ TU – Tube ◦ U2 – Tablet ◦ UM – Million ◦ UN – Unit ◦ VI – Vial ◦ WEE – Week ◦ YDK – Square Yard ◦ YRD – Yard	CMT
PRDHA	0...1	0/18	Product hierarchy groups together articles by combining different characteristics.	001000010000000110

Input Element	Occurs	Length	Description	Example
ERGEW	0...1	0/14	Allowed packaging weight with 3 decimal points.	0.000
ERGEI	0...1	0/3	Unit of measure for allowed weight. **Valid values** ◦ SMI – Statue Mile ◦ 4G – Microliter ◦ AM – Ampoule ◦ ANN – Years ◦ AV – Capsule ◦ BE – Bundle ◦ BG – Bag ◦ BO – Bottle ◦ BX – Box ◦ CA – Can ◦ CG – Card, Blister ◦ CLT – Centiliter ◦ CMK – Square Centimeter ◦ CMQ – Cubic Centimeter ◦ CMT – Centimeter ◦ CQ – Cartridge ◦ CR – Crate ◦ CS – Case ◦ CT – Carton ◦ CY – Cylinder ◦ DAY – Day ◦ DI – Dispenser ◦ DLT – Deciliter ◦ DMT – Decimeter ◦ DR – Drum ◦ DS – Display ◦ DZN – Dozen ◦ EA – Each ◦ FOT – Foot ◦ FTK – Square Foot ◦ FTQ – Cubic Feet ◦ GL – Gram/liter ◦ GLL – Gallon ◦ GRM – Gram ◦ GRO – Gross ◦ HF – Hundred Feet ◦ HLT – Hectoliter ◦ HUR – Hours ◦ INH – Inch ◦ INK – Square Inch ◦ INQ – Cubic Inches ◦ K6 – Kiloliters ◦ KGM – Kilogram ◦ KMT – Kilometers ◦ KT – Kit ◦ LBR – Pounds ◦ LF – Linear Foot ◦ LO – Lot (unit of procurement) ◦ LTR – Liter ◦ LY – Linear Yard ◦ MC – Microgram ◦ MGM – Milligram ◦ MIL – Thousand ◦ MLT – Milliliter ◦ MMT – Millimeter ◦ MON – Months ◦ MTK – Square Meter ◦ MTQ – Cubic Meters ◦ MTR – Meter ◦ ONZ – Ounces ◦ OZA – Fluid Ounce ◦ PCE – Piece ◦ PF – Pallet ◦ PK – Package ◦ PH – Pack (PAK) ◦ PO – Pouch ◦ PR – Pair ◦ PT – Pint ◦ PU – Tray ◦ QT – Quart ◦ RO – Roll ◦ SET – Set ◦ SMI – Statute Mile ◦ ST – Sheet ◦ T3 – Thousand Pieces ◦ TU – Tube ◦ U2 – Tablet ◦ UM – Million ◦ UN – Unit ◦ VI – Vial ◦ WEE – Week ◦ YDK – Square Yard ◦ YRD – Yard	KGM
ERVOL	0...1	0/14	Allowed packaging volume with 3 decimal points.	0.000

Input Element	Occurs	Length	Description	Example
ERVOE	0...1	0/3	Unit of measure for allowed packaging volume value. Optional mapping. **Valid values** ◦ SMI – Statue Mile ◦ 4G – Microliter ◦ AM – Ampoule ◦ ANN – Years ◦ AV – Capsule ◦ BE – Bundle ◦ BG – Bag ◦ BO – Bottle ◦ BX – Box ◦ CA – Can ◦ CG – Card, Blister ◦ CLT – Centiliter ◦ CMK – Square Centimeter ◦ CMQ – Cubic Centimeter ◦ CMT – Centimeter ◦ CQ – Cartridge ◦ CR – Crate ◦ CS – Case ◦ CT – Carton ◦ CY – Cylinder ◦ DAY – Day ◦ DI – Dispenser ◦ DLT – Deciliter ◦ DMT – Decimeter ◦ DR – Drum ◦ DS – Display ◦ DZN – Dozen ◦ EA – Each ◦ FOT – Foot ◦ FTK – Square Foot ◦ FTQ – Cubic Feet ◦ GL – Gram/liter ◦ GLL – Gallon ◦ GRM – Gram ◦ GRO – Gross ◦ HF – Hundred Feet ◦ HLT – Hectoliter ◦ HUR – Hours ◦ INH – Inch ◦ INK – Square Inch ◦ INQ – Cubic Inches ◦ K6 – Kiloliters ◦ KGM – Kilogram ◦ KMT – Kilometers ◦ KT – Kit ◦ LBR – Pounds ◦ LF – Linear Foot ◦ LO – Lot (unit of procurement) ◦ LTR – Liter ◦ LY – Linear Yard ◦ MC – Microgram ◦ MGM – Milligram ◦ MIL – Thousand ◦ MLT – Milliliter ◦ MMT – Millimeter ◦ MON – Months ◦ MTK – Square Meter ◦ MTQ – Cubic Meters ◦ MTR – Meter ◦ ONZ – Ounces ◦ OZA – Fluid Ounce ◦ PCE – Piece ◦ PF – Pallet ◦ PK – Package ◦ PH – Pack (PAK) ◦ PO – Pouch ◦ PR – Pair ◦ PT – Pint ◦ PU – Tray ◦ QT – Quart ◦ RO – Roll ◦ SET – Set ◦ SMI – Statute Mile ◦ ST – Sheet ◦ T3 – Thousand Pieces ◦ TU – Tube ◦ U2 – Tablet ◦ UM – Million ◦ UN – Unit ◦ VI – Vial ◦ WEE – Week ◦ YDK – Square Yard ◦ YRD – Yard	MTQ
GEWTO	0...1	0/3	Excess weight tolerance for handling units - packaging, percentage with 1 decimal place.	0.0
VOLTO	0...1	0/3	Excess volume tolerance for handling units - packaging, percentage with 1 decimal place.	0.0

Input Element	Occurs	Length	Description	Example
XCHPF	0...1	0/1	Indicator that specifies whether batch management is active for the article in the master record. Valid values: ◦ X - true: Batch management is active ◦ `Null` - false: Batch management is NOT active (default)	X
STFAK	0...1	0/5	Stacking factor ... Number of layers that may be stacked on a pallet. No decimals.	0
MAGRV	0...1	0/3	Material group for packaging materials.	M010
VPSTA	0...1	0/15	Maintenance status for complete article.	KCVDPALSQBGXZE
IPRKZ	0...1	0/1	Time period type used to determine the lead time before the shelf life expiration date for the article. Valid values: ◦ 1- WEEKS ◦ 2 - MONTHS ◦ 3 - YEARS	2
MTPOS_MARA	0...1	0/4	General item category group. SAP pass thru.	-
SLED_BBD	0...1	0/1	Code identifying type of expiration date for article. SAP pass thru. SAP values: ◦ B - Expiration date ◦ E- Shelf life expiration	B
E1MAKTM	1...*	-	Article master item descriptions	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute	1
MSGFN	0...1	0/3	Processing function code for article master file. Valid values: ◦ `003` - DELETE ◦ `004` - CHANGE ◦ `005` - REPLACE ◦ `009` - ORIGINAL ◦ `023` - DONOTIMPORT ◦ `018` - RESEND	009
SPRAS	0...1	0/1	One digit language code for description.	-
MAKTX	0...1	0/40	Description of the product defined by the current product identifier.	Light Bulb 220/235V 60 watt frosted
SPRAS_ISO	0...1	0/2	ISO language code for language of description.	EN
E1MARCM	0...*	-	Plant assignment and MRP planning information for article in the article master record.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
MSGFN	0...1	0/3	Processing function code for article master plant level data. Valid values: ◦ `003` - DELETE ◦ `004` - CHANGE ◦ `005` - REPLACE ◦ `009` - ORIGINAL ◦ `023` - DONOTIMPORT ◦ `018` - RESEND	009
WERKS	0...1	0/4	Plant to which article is assigned. A material master record may be assigned to one or more plants.	3800
PSTAT	0...1	0/15	Maintenance status for article plant master record.	VELB
EKGRP	0...1	0/3	Purchasing group. Identifies a buyer or a group of buyers responsible for purchasing activities for the article.	001

Input Element	Occurs	Length	Description	Example
DISMM	0...1	0/2	MRP type. Key that determines whether and how requirements for the article are planned in articles resource planning.	PD
DISPO	0...1	0/3	Specifies the number of the MRP controller or group of MRP controllers responsible for article planning for the article.	001
PLIFZ	0...1	0/3	Planned delivery time in days, with no decimals. Number of calendar days needed to obtain the article or service if it is procured externally. No decimal places.	0
WEBAZ	0...1	0/3	Goods receipt processing time in days, with no decimals. Number of workdays required after receiving the article for inspection and placement into storage. No decimal places.	0
PERKZ	0...1	0/1	The period indicator specifies the periods in which the article's consumption values and forecast values are managed. This can be monthly, weekly, daily or based on the fiscal year variant. Valid values: ◦ P - FISCALYEAR ◦ M - MONTHLY ◦ W - WEEKLY ◦ D- DAILY not populated - do not map	M
AUSSS	0...1	0/5	Percentage of scrap that occurs during production of the article if the article is an assembly. Used in articles planning to calculate the lot size of the assembly. The system increases the quantity to be produced by the scrap quantity calculated 2 decimal places.	10.00
DISLS	0...1	0/2	Lot size in article planning. Key that determines which lot-sizing procedure the system uses within articles planning to calculate the quantity to be procured or produced. SAP pass thru mapping.	EX
BESKZ	0...1	0/1	The procurement type Indicator defines how the article is procured. This includes in-house production, external procurement, or a combination of both in-house production and external procurement. Valid SAP values: ◦ E - INHOUSE (in-house production) ◦ F - EXTERNAL (external procurement) ◦ X - BOTH (both procurement types) not populated = no procurement	X
MINBE	0...1	0/14	Reorder point. If the stock of the article falls below this quantity, the system flags the article for requirements planning by creating a planning file entry. 3 decimal places.	10.000
EISBE	0...1	0/14	Safety stock specifies the quantity of the article that should be present to satisfy unexpectedly high demand in the coverage period. Safety stock reduces the risk of shortfalls in the quantity of articles in stock. 3 decimal places.	10.000
BSTMI	0...1	0/14	Minimum quantity of the article for procurement. 3 decimal places.	10.000
BSTMA	0...1	0/14	Quantity of the article that may not be exceeded during procurement. The lot size of individual orders cannot exceed this value. 3 decimal places.	10.000
BSTFE	0...1	0/14	Fixed lot size for ordering. 3 decimal places.	10.000
BSTRF	0...1	0/14	Rounding value for ordering quantity. Used in planning. Value to a multiple of which the system rounds up the procurement quantity for the article. 3 decimal places.	2.000

Input Element	Occurs	Length	Description	Example
MABST	0...1	0/14	Maximum quantity of the article in the current plant that may not be exceeded. 3 decimal places.	10.000
LOSFX	0...1	0/12	2 decimal places.	0.00
SBDKZ	0...1	0/1	Dependent requirements indicator for individual and collective requirements. Determines whether individual or collective requirements are allowed for the dependent requirements of the article. Dependent requirements are automatically created by the MRP procedure for the components required to produce a planned order. SAP values: ◦ 1 - INDIVIDUAL (Individual requirements only) ◦ 2 - COLLECTIVE (Collective requirements only) not populated = BOTH (both procurement types)	1
AUSDT	0...1	0/8	Effective out date in IDoc date format YYYYMMDD.	20250711
FHORI	0...1	0/3	Scheduling margin key for floats. Determines floats required for scheduling an order. SAP pass thru.	001
FEVOR	0...1	0/3	Identifies the group or role responsible for controlling the production of an article. The production supervisor also determines how capacity requirements are calculated for an article during a scheduling run. This is a code in SAP. Pass thru mapping.	101
BEARZ	0...1	0/6	Specifies the amount of time needed to process the article in operations at the different work centers. Processing time depends on the order quantity. 2 decimal places.	12.65
RUEZT	0...1	0/6	Specifies the total number of workdays needed to set up and tear down the various work centers where the finished article is processed, independently of the order quantity. 2 decimal places.	0.06
TRANZ	0...1	0/6	The number of workdays required for the transition of a produced article between work centers or work center groups. The total includes the following times: ◦ Queue time ◦ Wait time ◦ Float before production ◦ Float after production ◦ Planned delivery time of an operation processed externally. 2 decimal places.	3.64
BASMG	0...1	0/14	This is the quantity required on which the calculations for the production and processing time of the article is based. 3 decimal places.	100.000
DZEIT	0...1	0/3	In-house production time. No decimal places	-
UEETO	0...1	0/4	Overdelivery tolerance limit. 1 decimal place.	0
UNETO	0...1	0/4	Underdelivery tolerance limit. 1 decimal place.	0
WZEIT	0...1	0/3	Total replenishment lead time in days. No decimal places.	10
LADGR	0...1	0/4	A grouping of materials that share the same loading requirements. For example, different loading groups could include materials that require the same equipment (ie, a fork-lift) or amount of time for loading, or the same loading point.	0001
MTVFP	0...1	0/2	Checking group for availability check. Specifies whether and how the system checks availability and generates requirements for articles planning.	02

Input Element	Occurs	Length	Description	Example
VRVEZ	0...1	0/6	The amount of time needed for shipping to set up the work centers where the material is processed. It is independent of quantity. 2 decimal places.	1.000
VBAMG	0...1	0/14	The base quantity of the article required on which the calculations for shipping processing time is based, in the base unit of measure. 3 decimal places.	40.000
VBEAZ	0...1	0/6	The total amount of time required to ship a specific quantity of an article. This references the base quantity of the article for capacity planning in shipping. 2 decimal places.	12.00
STAWN	0...1	0/17	Commodity code or import tariff code for foreign trade, used for statistical purposes.	85291011
HERKL	0...1	0/3	Country of origin of article.	US
HERKR	0...1	0/3	Region within country of origin from in which the article was produced.	CA
MTVER	0...1	0/4	Article export/import group for foreign trade. Groups articles with similar export or import requirements.	0001
PRCTR	0...1	0/10	Profit centre for article. In SAP combined with controlling area to uniquely identify a profit centre.	0000001010
FXHOR	0...1	0/3	Identifies a period in which no automatic changes are made to the master plan. Only used for articles that are planned with an MRP type that includes a firming type, which determines how order proposals are created or scheduled within the planning time fence.	010
VRMOD	0...1	0/1	The consumption mode controls the direction on the time axis in which the system consumes requirements. Can be backward or forward or any combination of the two. Backward consumption is about planned requirements that lie before the requirements date. Forward consumption is about planned requirements that lie after the requirements date. Valid SAP values: ◦ BACKWARD - 1 (Backward consumption) ◦ BACKWARDFORWARD - 2 (Backward/Forward consumption) ◦ FORWARD - 3 (Forward consumption) ◦ FORWARDBACKWARD - 4 (Forward/Backward consumption)	2
VINT1	0...1	0/3	Determines the consumption period in workdays for backward consumption. Consumes planned requirement quantities within the consumption period and before the requirements date.	030
VINT2	0...1	0/3	Determines the consumption period in workdays for forward consumption. Consumes planned requirement quantities within the consumption period after the requirements date.	030
LOSGR	0...1	0/14	Lot size for product costing used as a basis for costing the article. 3 decimal places.	100.000
LGPRO	0...1	0/4	The storage location that is copied to the planned order, process order, or the quantities of the article that are produced during a specified period. If article is a component, this is the issuing storage location that is backflushed on completion. If the article is a finished good, this is the receiving storage location for the goods receipt on the finished product.	0002
ABCIN	0...1	0/1	Physical inventory cycle count code identifies an article that is subject to the cycle counting method of inventory. It also defines time intervals for taking a physical count for the article. Pass thru mapping.	A

Input Element		Occurs	Length	Description	Example
AWSLS		0...1	0/6	Key that control variance calculations during the process of closing a period for cost centres, planned and process orders, product cost collectors, and cost hierarchies. The variance key is relevant for costing. SAP pass thru mapping.	X
PRENC		0...1	0/1	Exemption certificate for legal control. Specifies if a certificate has been applied for, or that already exists, that confirms the article does not require a license for import or export. Pass thru mapping.	B
PRENO		0...1	0/8	Exemption certificate identifier assigned by relevant authorities if exemption certificate exists or is approved.	03596850
PREND		0...1	0/8	Date of exemption certificate in string date format YYYYMMDD.	20250711
STRGR		0...1	0/2	Groups all planning strategies available for the article. The planning strategy represents the procedure used for planning a material controlled by the MRP types. Pass thru mapping.	40
OCMPF		0...1	0/6	Controls change management for production orders. Pass thru mapping.	PP0001
EISLO		0...1	0/15	Minimum safety stock. 3 decimal places.	-
E1MARDM		0...*	-	Storage locations for the article within the plant.	-
	@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
	MSGFN	0...1	0/3	Processing function code for the article master storage location within the plant. Valid values: ◦ 003 - DELETE ◦ 004 - CHANGE ◦ 005 - REPLACE ◦ 009 - ORIGINAL ◦ 023 - DONOTIMPORT ◦ 018 - RESEND	009
	LGORT	0...1	0/4	Storage location for the article within the plant. Each plant may contain one or more storage locations.	0002
	PSTAT	0...1	0/15	Maintenance status for article plant and storage location master record.	DL
	LMINB	0...1	0/14	Reorder point quantity for storage location within plant. If the stock of the article falls below this quantity, the system flags the article for requirements planning by creating a planning file entry. 3 decimal places.	1.000
	LBSTF	0...1	0/14	Replenishment quantity for storage location MRP (articles resource planning). The quantity that must be ordered or produced if MRP is active for the storage location and if there is a shortage of the product in the storage location. 3 decimal places.	1.000
E1MPOPM		0...1	-	Forecast parameters for the article master.	-
	@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
	MSGFN	0...1	0/3	Processing function code for article master forecast parameters. Valid values: ◦ 003 - DELETE ◦ 004 - CHANGE ◦ 005 - REPLACE ◦ 009 - ORIGINAL ◦ 023 - DONOTIMPORT ◦ 018 - RESEND	009

Input Element	Occurs	Length	Description	Example
MODAV	0...1	0/1	Forecast model selection indicator that specifies whether system checks values for a trend, seasonal fluctuations, or both.	2
PRMOD	0...1	0/1	The forecast model is used to calculate future requirements of the article.	T
ALPHA	0...1	0/5	Basic value smoothing factor used to update the basic value in the forecast model. 2 decimal places.	0.20
BETA1	0...1	0/5	Trend value smoothing factor used to update the trend value in the forecast model. 2 decimal places.	0.10
GAMMA	0...1	0/5	Seasonal index smoothing factor used to update the seasonal index value in the forecast model. 2 decimal places.	0.10
DELTA	0...1	0/5	MAD, or mean absolute deviation, smoothing factor used to update the mean absolute deviation value in the forecast model. 2 decimal places.	0.30
SIGGR	0...1	0/7	Specifies the maximum amount by which the forecast value may deviate from the actual value. 3 decimal places.	4.000
PERKZ	0...1	0/1	Forecast period indicator in which the article's consumption values and forecast values are managed. This can be monthly, weekly, daily or based on the fiscal year variant. Valid values: ° P - FISCALYEAR ° M - MONTHLY ° W - WEEKLY ° D - DAILY ° not populated = do not map	M
PRDAT	0...1	0/8	Date of the last forecast run for the article in string date format YYYYMMDD.	20250711
PERAN	0...1	0/5	Number of historical values used in the forecast. No decimal places.	60
PERIN	0...1	0/5	Number of historical values used in initialization. No decimal places.	3
PERIO	0...1	0/5	Number of periods per seasonal cycle if a season forecast model is used. No decimal places.	12
ANZPR	0...1	0/5	Number of period splits for which a forecast should be created. No decimal places.	12
GWERT	0...1	0/15	Basic value of the forecast model that displays the historical level of the forecast model. 3 decimal places.	5.733
VMGWE	0...1	0/15	Basic value of the forecast model from the previous period. 3 decimal places.	10.822
TWERT	0...1	0/15	The trend value in the forecast calculation represents the historical level of the forecast model. 3 decimal places.	3.799-
VMTWE	0...1	0/15	The trend value for the forecast model in the previous period. 3 decimal places.	3.656-
PRMAD	0...1	0/15	Mean absolute deviation is a measurement of error in the forecast as it deviates from the actual values of the forecast. 3 decimal places.	22.011
VMMAD	0...1	0/15	Mean absolute deviation for the previous period of the forecast model. 3 decimal places.	28.373
FSUMM	0...1	0/15	The total amount of all forecast errors in a historical time series. 3 decimal places.	157.812-
VMFSU	0...1	0/15	The total amount of all forecast errors in the previous period. 3 decimal places.	150.646-
THKOF	0...1	0/7	The theil coefficient is a statistical measure used to evaluate the accuracy of a forecast by comparing the relative error of a forecast to the error of a forecast that has not changed from the previous period. 2 decimal places.	4.70

Input Element			Occurs	Length	Description	Example
		AUSNA	0...1	0/30	Exception message code for forecast.	FE
		PROAB	0...1	0/10	Determines how an article's future demand (forecasted quantity) is used to automatically generate procurement proposals, like purchase requisitions or production orders.	N
	E1MVEGM	-	0...*	-	Total consumption of the article across one or more periods	-
		@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute	1
		MSGFN	0...1	0/3	Processing function code for article master total consumption. Valid values: ◦ 003 - DELETE ◦ 004 - CHANGE ◦ 005 - REPLACE ◦ 009 - ORIGINAL ◦ 023 - DONOTIMPORT ◦ 018 - RESEND	009
		ERTAG	0...1	0/8	Date for the first day of the period for consumption of the article is being reported in string date format YYYYMMDD.	20250711
		VBWRT	0...1	0/15	Consumption value is either the total or the unplanned (with no reservations) consumption for the period. 3 decimal places.	1.000
		KOVBW	0...1	0/15	Corrected consumption value is either the total or the unplanned consumption correction value for the period. 3 decimal places.	1.000
		KZEXI	0...1	0/1	Master material total consumption.	X
		ANTEI	0...1	0/6	Ratio of the corrected value to the original value. 2 decimal places.	0.00
	E1MVEUM		0...*	-	Unplanned consumption of the article across one or more periods	-
		@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute	1
		MSGFN	0...1	0/3	Processing function code for article master unplanned consumption. Valid values: ◦ 003 - DELETE ◦ 004 - CHANGE ◦ 005 - REPLACE ◦ 009 - ORIGINAL ◦ 023 - DONOTIMPORT ◦ 018 - RESEND	009
		ERTAG	0...1	0/8	Date for the first day of the period for consumption of the article is being reported in string date format YYYYMMDD.	20250711
		VBWRT	0...1	0/15	Consumption value is either the total or the unplanned (with no reservations) consumption for the period. 3 decimal places.	1.000
		KOVBW	0...1	0/15	Corrected consumption value is either the total or the unplanned consumption correction value for the period. 3 decimal places.	1.000
		KZEXI	0...1	0/1	Master material total consumption.	X
		ANTEI	0...1	0/6	Ratio of the corrected value to the original value. 2 decimal places.	0.00
	E1MARMM		0...*	-	All units of measure, including base unit and alternate units of measure, assigned to the article master.	-
	@SEGMENT		1...1	0/*	**Required.** Begin of segment attribute	1

Input Element	Occurs	Length	Description	Example
MSGFN	0...1	0/3	Processing function code for article master units of measure, including alternative units of measure. Valid values: ◦ 003 - DELETE ◦ 004 - CHANGE ◦ 005 - REPLACE ◦ 009 - ORIGINAL ◦ 023 - DONOTIMPORT ◦ 018 - RESEND	005
MEINH	0...1	0/3	Unit of measure for article master record\n\nUse java call-out to lookup table UOM_TableLookup2.txt	PF
UMREZ	0...1	0/5	Numerator used to calculate conversion to the base unit of measure for alternate units of measure for the material. No decimal places.	1
UMREN	0...1	0/5	Denominator used to calculate conversion to the base unit of measure for alternate units of measure for the material. No decimal places.	1
LAENG	0...1	0/14	Length of article in master record. 3 decimal places.	10.000
BREIT	0...1	0/14	Width of article in master record. 3 decimal places.	15.000
HOEHE	0...1	0/14	Height of article in master record. 3 decimal places.	10.000

Input Element	Occurs	Length	Description	Example
MEABM	0...1	0/3	Unit of measure for article dimensions. Only map if LAENG, BREIT, HOEHE > 0. Use java call-out to lookup table UOM_TableLookup2.txt **Valid values** ◦ SMI – Statue Mile ◦ 4G – Microliter ◦ AM – Ampoule ◦ ANN – Years ◦ AV – Capsule ◦ BE – Bundle ◦ BG – Bag ◦ BO – Bottle ◦ BX – Box ◦ CA – Can ◦ CG – Card, Blister ◦ CLT – Centiliter ◦ CMK – Square Centimeter ◦ CMQ – Cubic Centimeter ◦ CMT – Centimeter ◦ CQ – Cartridge ◦ CR – Crate ◦ CS – Case ◦ CT – Carton ◦ CY – Cylinder ◦ DAY – Day ◦ DI – Dispenser ◦ DLT – Deciliter ◦ DMT – Decimeter ◦ DR – Drum ◦ DS – Display ◦ DZN – Dozen ◦ EA – Each ◦ FOT – Foot ◦ FTK – Square Foot ◦ FTQ – Cubic Feet ◦ GL – Gram/liter ◦ GLL – Gallon ◦ GRM – Gram ◦ GRO – Gross ◦ HF – Hundred Feet ◦ HLT – Hectoliter ◦ HUR – Hours ◦ INH – Inch ◦ INK – Square Inch ◦ INQ – Cubic Inches ◦ K6 – Kiloliters ◦ KGM – Kilogram ◦ KMT – Kilometers ◦ KT – Kit ◦ LBR – Pounds ◦ LF – Linear Foot ◦ LO – Lot (unit of procurement) ◦ LTR – Liter ◦ LY – Linear Yard ◦ MC – Microgram ◦ MGM – Milligram ◦ MIL – Thousand ◦ MLT – Milliliter ◦ MMT – Millimeter ◦ MON – Months ◦ MTK – Square Meter ◦ MTQ – Cubic Meters ◦ MTR – Meter ◦ ONZ – Ounces ◦ OZA – Fluid Ounce ◦ PCE – Piece ◦ PF – Pallet ◦ PK – Package ◦ PH – Pack (PAK) ◦ PO – Pouch ◦ PR – Pair ◦ PT – Pint ◦ PU – Tray ◦ QT – Quart ◦ RO – Roll ◦ SET – Set ◦ SMI – Statute Mile ◦ ST – Sheet ◦ T3 – Thousand Pieces ◦ TU – Tube ◦ U2 – Tablet ◦ UM – Million ◦ UN – Unit ◦ VI – Vial ◦ WEE – Week ◦ YDK – Square Yard ◦ YRD – Yard	MMT
VOLUM	0...1	0/14	Volume of article in master record. 3 decimal places.	1.000

Input Element	Occurs	Length	Description	Example
VOLEH	0...1	0/3	Unit of measure for article volume. Only map if VOLUM > 0.\n\nUse java call-out to lookup table UOM_TableLookup2.txt **Valid values** ◦ SMI – Statue Mile ◦ 4G – Microliter ◦ AM – Ampoule ◦ ANN – Years ◦ AV – Capsule ◦ BE – Bundle ◦ BG – Bag ◦ BO – Bottle ◦ BX – Box ◦ CA – Can ◦ CG – Card, Blister ◦ CLT – Centiliter ◦ CMK – Square Centimeter ◦ CMQ – Cubic Centimeter ◦ CMT – Centimeter ◦ CQ – Cartridge ◦ CR – Crate ◦ CS – Case ◦ CT – Carton ◦ CY – Cylinder ◦ DAY – Day ◦ DI – Dispenser ◦ DLT – Deciliter ◦ DMT – Decimeter ◦ DR – Drum ◦ DS – Display ◦ DZN – Dozen ◦ EA – Each ◦ FOT – Foot ◦ FTK – Square Foot ◦ FTQ – Cubic Feet ◦ GL – Gram/liter ◦ GLL – Gallon ◦ GRM – Gram ◦ GRO – Gross ◦ HF – Hundred Feet ◦ HLT – Hectoliter ◦ HUR – Hours ◦ INH – Inch ◦ INK – Square Inch ◦ INQ – Cubic Inches ◦ K6 – Kiloliters ◦ KGM – Kilogram ◦ KMT – Kilometers ◦ KT – Kit ◦ LBR – Pounds ◦ LF – Linear Foot ◦ LO – Lot (unit of procurement) ◦ LTR – Liter ◦ LY – Linear Yard ◦ MC – Microgram ◦ MGM – Milligram ◦ MIL – Thousand ◦ MLT – Milliliter ◦ MMT – Millimeter ◦ MON – Months ◦ MTK – Square Meter ◦ MTQ – Cubic Meters ◦ MTR – Meter ◦ ONZ – Ounces ◦ OZA – Fluid Ounce ◦ PCE – Piece ◦ PF – Pallet ◦ PK – Package ◦ PH – Pack (PAK) ◦ PO – Pouch ◦ PR – Pair ◦ PT – Pint ◦ PU – Tray ◦ QT – Quart ◦ RO – Roll ◦ SET – Set ◦ SMI – Statute Mile ◦ ST – Sheet ◦ T3 – Thousand Pieces ◦ TU – Tube ◦ U2 – Tablet ◦ UM – Million ◦ UN – Unit ◦ VI – Vial ◦ WEE – Week ◦ YDK – Square Yard ◦ YRD – Yard	MTQ
BRGEW	0...1	0/14	Gross weight of article in master record. 3 decimal places.	0.000

Input Element	Occurs	Length	Description	Example
GEWEI	0...1	0/3	Unit of measure for article weight. Only map if BRGEW > 0.\n\nUse java call-out to lookup table UOM_TableLookup2.txt **Valid values** ◦ SMI – Statue Mile ◦ 4G – Microliter ◦ AM – Ampoule ◦ ANN – Years ◦ AV – Capsule ◦ BE – Bundle ◦ BG – Bag ◦ BO – Bottle ◦ BX – Box ◦ CA – Can ◦ CG – Card, Blister ◦ CLT – Centiliter ◦ CMK – Square Centimeter ◦ CMQ – Cubic Centimeter ◦ CMT – Centimeter ◦ CQ – Cartridge ◦ CR – Crate ◦ CS – Case ◦ CT – Carton ◦ CY – Cylinder ◦ DAY – Day ◦ DI – Dispenser ◦ DLT – Deciliter ◦ DMT – Decimeter ◦ DR – Drum ◦ DS – Display ◦ DZN – Dozen ◦ EA – Each ◦ FOT – Foot ◦ FTK – Square Foot ◦ FTQ – Cubic Feet ◦ GL – Gram/liter ◦ GLL – Gallon ◦ GRM – Gram ◦ GRO – Gross ◦ HF – Hundred Feet ◦ HLT – Hectoliter ◦ HUR – Hours ◦ INH – Inch ◦ INK – Square Inch ◦ INQ – Cubic Inches ◦ K6 – Kiloliters ◦ KGM – Kilogram ◦ KMT – Kilometers ◦ KT – Kit ◦ LBR – Pounds ◦ LF – Linear Foot ◦ LO – Lot (unit of procurement) ◦ LTR – Liter ◦ LY – Linear Yard ◦ MC – Microgram ◦ MGM – Milligram ◦ MIL – Thousand ◦ MLT – Milliliter ◦ MMT – Millimeter ◦ MON – Months ◦ MTK – Square Meter ◦ MTQ – Cubic Meters ◦ MTR – Meter ◦ ONZ – Ounces ◦ OZA – Fluid Ounce ◦ PCE – Piece ◦ PF – Pallet ◦ PK – Package ◦ PH – Pack (PAK) ◦ PO – Pouch ◦ PR – Pair ◦ PT – Pint ◦ PU – Tray ◦ QT – Quart ◦ RO – Roll ◦ SET – Set ◦ SMI – Statute Mile ◦ ST – Sheet ◦ T3 – Thousand Pieces ◦ TU – Tube ◦ U2 – Tablet ◦ UM – Million ◦ UN – Unit ◦ VI – Vial ◦ WEE – Week ◦ YDK – Square Yard ◦ YRD – Yard	KGM
E1MBEWM	0...*	-	Pricing valuation for the article.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1

Input Element	Occurs	Length	Description	Example
MSGFN	0...1	0/3	Processing function code for pricing valuation data for the article master record. Valid values: ◦ `003` - DELETE ◦ `004` - CHANGE ◦ `005` - REPLACE ◦ `009` - ORIGINAL ◦ `023` - DONOTIMPORT ◦ `018` - RESEND	005
BWKEY	0...1	0/4	Valuation area determines how stocks of the article are priced, either at the company code or plant level.	1000
LVORM	0...1	0/1	Deletion indicator for article. Valid values: ◦ `true` - Article valuation record flagged for deletion ◦ `false` - Do not delete item (default)	-
VPRSV	0...1	0/1	Indicates the price control procedure used to valuate the stock of a article. The following values are supported: ◦ S - STANDARD ◦ V - MOVINGAVERAGE	S
VERPR	0...1	0/12	Moving average price for article, calculated by the ERP system by dividing the article value in the stock account by the total of all storage location stocks in the article plant. The price changes with each valuation-relevant movement. The valuation of stocks at moving average price means that the price of the article is adapted to the continual fluctuations in the procurement price. 2 decimal places.	475.55
STPRS	0...1	0/12	Standard price for the article. The valuation of article stocks at standard prices means that all goods movements are valuated at the same price over an extended period. 2 decimal places.	480.14
PEINH	0...1	0/5	Number of units of the article on which the price is based. For example, If 12 widgets are priced at $12.00, the unit price basis quantity is 12. No decimal places.	1
BKLAS	0...1	0/4	Default value for the valuation class for valuated stocks of this article. The valuation class has implications for how values of articles post to the same or different G/L accounts.	7920
VMVPR	0...1	0/1	Indicates the price control indicator in the previous period used to valuate the stock of a article. The following values are supported: ◦ S - STANDARD ◦ V - MOVINGAVERAGE	S
VMVER	0...1	0/12	Moving average price for article, calculated by the ERP system by dividing the article value in the stock account by the total of all storage location stocks in the article plant. The price changes with each valuation-relevant movement. The valuation of stocks at moving average price means that the price of the article is adapted to the continual fluctuations in the procurement price. 2 decimal places.	475.55
VMSTP	0...1	0/12	Standard price for the article. The valuation of article stocks at standard prices means that all goods movements are valuated at the same price over an extended period. 2 decimal places.	480.14

Input Element	Occurs	Length	Description	Example
VMPEI	0...1	0/5	Number of units of the article on which the price is based. For example, If 12 widgets are priced at $12.00, the unit price basis quantity is 12. No decimal places.	1
VMBKL	0...1	0/4	Default value for the valuation class for valuated stocks of this article. The valuation class has implications for how values of articles post to the same or different G/L accounts.	7920
VJVPR	0...1	0/1	Indicates the price control procedure in the previous year used to valuate the stock of a article. The following values are supported: ◦ S - STANDARD ◦ V - MOVINGAVERAGE	S
VJVER	0...1	0/12	Moving average price for article, calculated by the ERP system by dividing the article value in the stock account by the total of all storage location stocks in the article plant. The price changes with each valuation-relevant movement. The valuation of stocks at moving average price means that the price of the article is adapted to the continual fluctuations in the procurement price. 2 decimal places.	5
VJSTP	0...1	0/12	Standard price for the article. The valuation of article stocks at standard prices means that all goods movements are valuated at the same price over an extended period. 2 decimal places.	480.14
LFGJA	0...1	0/4	Fiscal year for the current period.	2025
LFMON	0...1	0/2	Current posting period for the article master.	03
ZKPRS	0...1	0/12	The future standard price at which the article will be valuated beginning on a specified date. 2 decimal places.	-
ZKDAT	0...1	0/8	Future date at which the future price will become valid in date format YYYY-MM-DD.	-
KALN1	0...1	0/12	Cost estimate identifier for product costing.	000100000068
KALNR	0...1	0/12	Cost estimate identifier for a cost estimate without a quantity structure.	000100000069
VJBKL	0...1	0/4	Default value for the valuation class for valuated stocks of this article. The valuation class has implications for how values of articles post to the same or different G/L accounts.	-
VJPEI	0...1	0/7	Number of units of the article on which the price is based. For example, If 12 widgets are priced at $12.00, the unit price basis quantity is 12. No decimal places.	1
E1MLGNM	0...*	-	Warehouse assignment information for the article in the article master record.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
MSGFN	0...1	0/3	Processing function code for warehouse assignment data for the article master. Valid values: ◦ 003 - DELETE ◦ 004 - CHANGE ◦ 005 - REPLACE ◦ 009 - ORIGINAL ◦ 023 - DONOTIMPORT ◦ 018 - RESEND	005
LGNUM	0...1	0/3	Identifier for warehouse linked to article master.	001

Input Element	Occurs	Length	Description	Example
LVORM	0...1	0/1	Deletion indicator for article. Valid values: • `true` - Article valuation record flagged for deletion • `false` - Do not delete item (default)	-
LHMG	0...1	0/14	Loading equipment quantity is related to palletiization. It is used to determine how to pack a pallet. For example, if the loading equipment quantity in the article master = 25, and 100 cartons need to be put into stock, the system would propose 4 pallets for packing. 3 decimal places.	5.000

Input Element	Occurs	Length	Description	Example
LHME	0...1	0/3	Unit of measure for loading equipment capacity. **Valid values** ◦ SMI – Statue Mile ◦ 4G – Microliter ◦ AM – Ampoule ◦ ANN – Years ◦ AV – Capsule ◦ BE – Bundle ◦ BG – Bag ◦ BO – Bottle ◦ BX – Box ◦ CA – Can ◦ CG – Card, Blister ◦ CLT – Centiliter ◦ CMK – Square Centimeter ◦ CMQ – Cubic Centimeter ◦ CMT – Centimeter ◦ CQ – Cartridge ◦ CR – Crate ◦ CS – Case ◦ CT – Carton ◦ CY – Cylinder ◦ DAY – Day ◦ DI – Dispenser ◦ DLT – Deciliter ◦ DMT – Decimeter ◦ DR – Drum ◦ DS – Display ◦ DZN – Dozen ◦ EA – Each ◦ FOT – Foot ◦ FTK – Square Foot ◦ FTQ – Cubic Feet ◦ GL – Gram/liter ◦ GLL – Gallon ◦ GRM – Gram ◦ GRO – Gross ◦ HF – Hundred Feet ◦ HLT – Hectoliter ◦ HUR – Hours ◦ INH – Inch ◦ INK – Square Inch ◦ INQ – Cubic Inches ◦ K6 – Kiloliters ◦ KGM – Kilogram ◦ KMT – Kilometers ◦ KT – Kit ◦ LBR – Pounds ◦ LF – Linear Foot ◦ LO – Lot (unit of procurement) ◦ LTR – Liter ◦ LY – Linear Yard ◦ MC – Microgram ◦ MGM – Milligram ◦ MIL – Thousand ◦ MLT – Milliliter ◦ MMT – Millimeter ◦ MON – Months ◦ MTK – Square Meter ◦ MTQ – Cubic Meters ◦ MTR – Meter ◦ ONZ – Ounces ◦ OZA – Fluid Ounce ◦ PCE – Piece ◦ PF – Pallet ◦ PK – Package ◦ PH – Pack (PAK) ◦ PO – Pouch ◦ PR – Pair ◦ PT – Pint ◦ PU – Tray ◦ QT – Quart ◦ RO – Roll ◦ SET – Set ◦ SMI – Statute Mile ◦ ST – Sheet ◦ T3 – Thousand Pieces ◦ TU – Tube ◦ U2 – Tablet ◦ UM – Million ◦ UN – Unit ◦ VI – Vial ◦ WEE – Week ◦ YDK – Square Yard ◦ YRD – Yard Use java call-out to lookup table UOM_TableLookup2.txt	PCE
LETY	0...1	0/3	Storage unit type. Mapping pass thru.	E1
MKAPV	0...1	0/13	Capacity usage.	0.000
E1MVKEM	0...*	-	Sales data for the article master record.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1

Input Element	Occurs	Length	Description	Example
MSGFN	0...1	0/3	Processing function code for sales relevant data for the article master. Valid values: ◦ 003 - DELETE ◦ 004 - CHANGE ◦ 005 - REPLACE ◦ 009 - ORIGINAL ◦ 023 - DONOTIMPORT ◦ 018 - RESEND	005
VKORG	0...1	0/4	Sales organization responsible for the article.	1000
VTWEG	0...1	0/2	Distribution channel responsible for the article.	10
LVORM	0...1	0/1	Deletion indicator for article. Valid values: ◦ true - Article valuation record flagged for deletion ◦ false - Do not delete item (default)	-
VERSG	0...1	0/1	-	1
SKTOF	0...1	0/1	Cash discount indicator specifies whether a material qualifies for a cash discount. Valid values: ◦ true - Cash discount ◦ false - Does not qualify for cash discount	X
AUMNG	0...1	0/14	Minimum order quantity in base unit of measure. The minimum quantity of the material that a customer may order. 3 decimal places.	1.000
LFMNG	0...1	0/14	Minimum delivery quantity in delivery note processing. The minimum quantity of the material that may be delivered to a customer. 3 decimal places.	1.000
EFMNG	0...1	0/14	Minimum make-to-order quantity. The minimum quantity of the material that may be made to an order from a customer. 3 decimal places.	1.000
MTPOS	0...1	0/4	Item category group for article master used during processing of sales documents.	NORM
DWERK	0...1	0/4	Delivering plant for article.	1000
PRODH	0...1	0/18	Product hierarchy groups together articles by combining different characteristics.	001000010000000110
KONDM	0...1	0/2	Material pricing group.	01
E1MLANM	0...*	-	Article master tax classification information. Identifies tax country, condition and classification codes that will flow into relevant documents pulling the article from the article master.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
MSGFN	0...1	0/3	Processing function code for article master tax classification data. Valid values: ◦ 003 - DELETE ◦ 004 - CHANGE ◦ 005 - REPLACE ◦ 009 - ORIGINAL ◦ 023 - DONOTIMPORT ◦ 018 - RESEND	005
ALAND	0...1	0/3	ISO country code for the country from which the goods are sent. Identifies the country from which the delivery is sent.	DE
TATY1	0...1	0/4	Tax category code. A technical value used to automatically determine country-specific taxes during pricing. One or more tax categories may be recorded for each country. SAP pass thru.	MWST

Input Element	Occurs	Length	Description	Example
TAXM1	0...1	0/1	Tax classification. Determines output tax for the article when processing sales and distribution documents. Valid values: ◦ 0 - NOTAX ◦ 1 - FULLTAX ◦ 2 - HALFTAX ◦ 3 - LOWTAX	1
E1MTXHM	0...*	-	Extended free text header for the article master.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
MSGFN	0...1	0/3	Processing function code for article master extended free text header data. Valid values: ◦ 003 - DELETE ◦ 004 - CHANGE ◦ 005 - REPLACE ◦ 009 - ORIGINAL ◦ 023 - DONOTIMPORT ◦ 018 - RESEND	005
TDOBJECT	0...1	0/10	Application object linked to free text message(s).	MVKE
TDNAME	0...1	0/70	Name of text application object.	P-100 100010
TDID	0...1	0/4	Text object identifier.	0001
TDSPRAS	0...1	0/1	One character language code for text.	E
SPRAS_ISO	0...1	0/2	ISO language code.	EN
E1MTXLM	0...*	-	Extended free text details text for the article master.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
MSGFN	0...1	0/3	Processing function code for article master extended free text details data, with one or more text lines. Valid values: ◦ 003 - DELETE ◦ 004 - CHANGE ◦ 005 - REPLACE ◦ 009 - ORIGINAL ◦ 023 - DONOTIMPORT ◦ 018 - RESEND	005
TDFORMAT	0...1	0/2	Code identifying the format for the free text line. SAP pass thru.	*
TDLINE	0...1	132	Free text string.	Please read instructions carefully before installation

Example

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