

MTR TRANSMISSION AND DATA INFORMATION

1.0 MTR – Mill Test Report

An MTR is a document that certifies a material's chemical and physical properties and states a product made of metal complies with ANSI and ASME standards. MTRs are often a critical part of a customer order requirement. The electronic MTR is transmitted to you at the time of shipment and allows your system to automatically index it directly to your goods receipt. Through MRCGO, you can search for required MTRs at any time

2.0 Benefits of an Electronic MTR

- Eliminates the need for manual requests for MTRs
- Automatically ingest the MTR to your ERP or document repository
- Ensures you have the MTR available at the time you need it

3.0 How to get enabled

Contact your Account Manager or OnlineSupport@mrcglobal.com for more information or to request MTR electronic enablement.

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4.0 MTR Transmission and Data Information

Protocol	Description
HTTPS	HTTPS Post with SSL
SFTP	SFTP Put with SSH Key Exchange
Standards	Description
XML	Base64 or SFTP PDF
JSON	Base64 or SFTP PDF
Fields	Description
PO Number	Customer Purchase Order Number
PO Line #	Customer Purchase Order Line Number
Order Number	MRC Global Order Number + order line
Bill of Lading Number	MRC Global Bill of Lading Number
Ship Date	Material Ship Date
PO Item Number	Customer Item Number + MRC Part
UOM	Unit of Measure + MRC UOM
Quantity	Ship quantity
Item Description	PO Item Description
Heat Number	Material Heat Number
Manufacturer	Material Manufacturer
MTR PDF	File Path or Base64Encoded

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JSON Sample

```
{
  "@version": "1.0",
  "@encoding": "UTF-8",
  "@standalone": "yes",
  "MTRMetaData": {
    "HeaderInformation": {
      "ReferenceData": {
        "purchaseOrderNum": "878832-536",
        "salesOrderNumber": "4035144",
        "billLadingNumber": "4035144001",
        "shipToDate": "20200120",
        "uniqueID": "5021a400d9aejqik00000u2h"
      }
    }
  },
  "DetailInformation": {
    "LineItemDetail": {
      "salesOrderLineNumber": "0001",
      "customerPOLineNumber": "1",
      "buyerPartNumber": "1973965",
      "supplierPartNumber": "18064260",
      "supplierPartNumberDescription": "3/4 X 1/4 2/6000# BLK CS HEX HEAD",
      "quantity": "50",
      "supplierUOM": "EA",
      "buyerUOM": ""
    }
  },
  "HeatDetailInformation": {
    "HeatDetail": {
      "heatNumber": "1929",
      "heatManufacturerName": "MFG NAME",
      "mtrSalesOrderNum": "4035144",
      "mtrSalesOrderLineNum": "000100000",
      "fileName": "mtr_4035144_000100000_MFG NAME_1929.pdf",
      "fileType": "pdf"
    }
  }
}
```