



Debtor API guide

v1.0.0

Introduction

This document is a guide for connecting to and using the Clipper Interall API for debtors. This API can be used to retrieve product and pricing information of our catalog and can serve as a tool to verify order pricing. Later on, it can even be used to send and retrieve sales orders.

The Debtor API uses UTF-8 encoded JSON and follows RESTful principles. If none of these terms mean anything to you, this document might not be useful for you. We have other options available for retrieving product data, for example downloadable Excel files.

Please contact your Clipper representative for more information.

OpenAPI

Besides this document, we also have online documentation available. This documentation is built on top of an OpenAPI 3.0 specification, which is available for download as well.

Via the web interface, it's possible to execute calls to the API. This should help during implementation or debugging. If you need any more help in this, contact apisupport@clipperinterall.com.

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Getting started

Access token

To use the Debtor API, you'll first need to have an access token. This token can be generated in the "my account" section of the Clipper Interall website. Make sure to select the correct environment (sandbox or production), tokens only work for the environment they are generated for.

The access token must then be used as "Authorization" header in requests sent to the Debtor API endpoints. Make sure to prefix it with "Bearer", like the following example.

```
GET https://debtorapi.clipperinterall.com/v1/products HTTP/1.1
Authorization: Bearer {access_token}
```

Errors

Sometimes API calls can lead to errors. The API will respond with an appropriate HTTP status code and will contain more information in the body.

Response codes

These are a few of the response codes that can be returned.

Status code	Description
400	Bad request. See response body for more information.
401	Unauthorized. There's probably something wrong with the token.
404	Resource not found.
500	Internal server error. Please contact us if this occurs more often.

API basics

When calling an API endpoints, it's possible to use query parameters to modify the responses. The endpoints can be roughly separated in single-resource endpoints and multi-resource endpoints. Each have their own configurations and response structure.

Pagination

When calling a multi-resource endpoint, it's possible to modify how many resources are in the response.

We do this mainly to avoid returning too many items, which might result in performance issues.

The debtor API uses offset-based pagination, which means it looks at 2 query parameters to determine what to return.

- **offset:** The “offset” query parameter determines how many items in a collection to skip when returning items. By default, this will have a value of 0, meaning it will start at the first item in the collection.
- **limit:** The “limit” query parameter determines how many items are returned. If less items exist than the limit, this will result in all items being in the response. The default value of this parameter depends on the resource type.

List responses will normally contain 3 fields that show the pagination possibilities:

- **offset:** The offset that was requested, or calculated based on defaults.
- **limit:** The limit that was requested, or calculated based on defaults.
- **total:** The actual total number of items available.

Using the **total** field, it’s possible to determine if more requests are even necessary.

```
{
  "type": "product",
  "offset": 0,
  "limit": 100,
  "total": 0,
  "items": []
}
```

Sorting

Besides being able to change how many items are returned, it’s also possible to change the order in which these items are returned. This can be done using the **sort** query parameter.

The default sort direction is ascending, so when the query parameter is “**sort=code**”, a product with code “1234” will come before “3456”.

To use the descending sort direction, place a minus before the value (i.e. “**sort=-code**”), or “**desc**” behind it (i.e. “**sort=code desc**”).

Localization

Request

Some values, like names and descriptions, are available in multiple languages. This means the API will return all available versions of these names, which can lead to large responses.

If only a certain set of languages is needed, the “Accept-Language” header can be used to limit what is returned.

The “Accept-Language” header accepts locale values using 2-character ISO-639-1 language codes, which can be extended with ISO-3166-1 country codes.

Possible values for English can be “en” or “en-US”, whilst Dutch can be “nl”, but also “nl-NL”?(Netherlands).

Response

Localized elements (like names) will look like this:

```
"name": [  
  {  
    "locale": "en_US",  
    "value": "Example"  
  },  
  {  
    "locale": "nl_NL",  
    "value": "Voorbeeld"  
  }  
]
```

The value in this example contains the localized values for 2 locales.

Products

There are 2 endpoints for retrieving products. The bulk endpoint can be used to retrieve information in a single (paginated) call. If you know exactly which products you need information for, you can either use the bulk endpoint with code filter, or call the single product endpoint for each product.

Products

Endpoint: /v1/products

Options:

- Pagination using offset/limit query parameters.
- Response sorting (default: code).
- Filtering on update timestamp, category code and product codes.
- Optional inclusion of print options.

Notable fields:

Example response:

```
{
  "type": "product",
  "offset": 0,
  "limit": 100,
  "total": 1,
  "items": [
    {
      "code": "263127",
      "name": [
        {
          "locale": "en_US",
          "value": "Steel Friday afternoon hammer Omar"
        }
      ],
      "description_long": [
        {
          "locale": "en_US",
          "value": "Steel Friday afternoon hammer with bottle opener and PVC handle."
        }
      ],
      "brand": [
        {
          "locale": "en_US",
          "value": "Parker"
        }
      ]
    }
  ]
}
```

```

],
"origin_country": [
  {
    "locale": "en_US",
    "value": "China"
  }
],
"commodity_code": "82052000",
"can_order_printed": true,
"can_order_unprinted": true,
"can_request_sample": true,
"materials": [
  {
    "locale": "en_US",
    "values": [
      "PVC",
      "Carbon Steel"
    ]
  }
],
"images": [
  {
    "prio": 100,
    "type": "IMAGE",
    "value": "uploads/impr_923369.jpg"
  },
  {
    "prio": 100,
    "type": "IMAGE",
    "value": "uploads/impr_923371.jpg"
  },
  {
    "prio": 140,
    "type": "IMAGE",
    "value": "uploads/impr_923370.jpg"
  },
  {
    "prio": 160,
    "type": "IMAGE",
    "value": "uploads/impr_923374.jpg"
  },
],
"dimensions": {
  "length": {
    "unit": "cm",
    "value": "11"
  },
  "width": {

```

```

        "unit": "cm",
        "value": "2.8"
    },
    "height": {
        "unit": "cm",
        "value": "24.5"
    },
    "diameter": {
        "unit": "cm",
        "value": "0"
    },
    "volume": {
        "unit": "m³",
        "value": "754.6"
    },
    "net_weight": {
        "unit": "g",
        "value": "291"
    }
},
"certification": {
    "is_certified": false
},
"packaging": {
    "in_poly_bag": false,
    "containers": [
        {
            "type": "inner_carton",
            "unit_quantity": 6,
        },
        {
            "type": "export_carton",
            "unit_quantity": 48,
            "dimensions": {
                "length": {
                    "unit": "cm",
                    "value": "29"
                },
                "width": {
                    "unit": "cm",
                    "value": "24"
                },
                "height": {
                    "unit": "cm",
                    "value": "32.5"
                },
            },
            "volume": {
                "unit": "m³",

```

```

        "value": "0.0226"
      },
      "net_weight": {
        "unit": "kg",
        "value": "15.07"
      }
    }
  },
  {
    "type": "pallet",
    "unit_quantity": 1440
  }
]
},
"min_quantity_unprinted": 1,
"min_quantity_printed": 1,
"variants": [
  {
    "code": "032999999",
    "product_code": "3127",
    "ean": "8719446003873",
    "color": {
      "code": "032",
      "names": [
        {
          "locale": "en_US",
          "value": "silver"
        }
      ]
    },
    "color_group": [
      {
        "locale": "en_US",
        "values": [
          "Silver"
        ]
      }
    ],
    "size": {
      "code": "999",
      "names": [
        {
          "locale": "en_US",
          "value": "# No size"
        }
      ]
    }
  }
],
"version": {

```

```

    "code": "999",
    "names": [
      {
        "locale": "en_US",
        "value": "Standard option"
      }
    ]
  },
  "price_tiers": [
    {
      "min_units": 1,
      "max_units": 35,
      "unit_net_price": 2.43,
      "unit_gross_price": 4.86
    },
    {
      "min_units": 36,
      "max_units": 71,
      "unit_net_price": 2.285,
      "unit_gross_price": 4.57
    },
    {
      "min_units": 72,
      "max_units": 143,
      "unit_net_price": 2.14,
      "unit_gross_price": 4.28
    },
    {
      "min_units": 144,
      "max_units": 287,
      "unit_net_price": 2.04,
      "unit_gross_price": 4.08
    },
    {
      "min_units": 288,
      "max_units": 999999,
      "unit_net_price": 1.97,
      "unit_gross_price": 3.94
    }
  ]
}

```

Product

Endpoint: /v1/products/{productCode}

Options:

- Optional inclusion of print options and print methods.
Print methods will also include the print options, but add print method, handling and prices.

Notable fields:

- **can_order_printed:** If false, this product can be ordered without printing.
- **can_order_unprinted:** If false, this product can only be ordered with printing.

Example response:

```
{
  "code": "3127",
  "name": [
    {
      "locale": "en_US",
      "value": "Steel Friday afternoon hammer Omar"
    }
  ],
  "description_long": [
    {
      "locale": "en_US",
      "value": "Steel Friday afternoon hammer with bottle opener and PVC handle."
    }
  ],
  "brand": [
    {
      "locale": "en_US",
      "value": "Parker"
    }
  ],
  "origin_country": [
    {
      "locale": "en_US",
      "value": "China"
    }
  ],
  "commodity_code": "82052000",
  "can_order_printed": true,
  "can_order_unprinted": true,
  "can_request_sample": true,
  "materials": [
```

```

{
  "locale": "en_US",
  "values": [
    "PVC",
    "Carbon Steel"
  ]
},
],
"images": [
  {
    "prio": 100,
    "type": "IMAGE",
    "value": "uploads/impr_923369.jpg"
  },
  {
    "prio": 100,
    "type": "IMAGE",
    "value": "uploads/impr_923371.jpg"
  },
  {
    "prio": 140,
    "type": "IMAGE",
    "value": "uploads/impr_923370.jpg"
  },
  {
    "prio": 160,
    "type": "IMAGE",
    "value": "uploads/impr_923374.jpg"
  },
],
"dimensions": {
  "length": {
    "unit": "cm",
    "value": "11"
  },
  "width": {
    "unit": "cm",
    "value": "2.8"
  },
  "height": {
    "unit": "cm",
    "value": "24.5"
  },
  "diameter": {
    "unit": "cm",
    "value": "0"
  },
  "area": null,

```

```

    "volume": {
      "unit": "m³",
      "value": "754.6"
    },
    "net_weight": {
      "unit": "g",
      "value": "291"
    },
  },
  "certification": {
    "is_certified": false,
  },
  "packaging": {
    "in_poly_bag": false,
    "containers": [
      {
        "type": "inner_carton",
        "unit_quantity": 6,
      },
      {
        "type": "export_carton",
        "unit_quantity": 48,
        "dimensions": {
          "length": {
            "unit": "cm",
            "value": "29"
          },
          "width": {
            "unit": "cm",
            "value": "24"
          },
          "height": {
            "unit": "cm",
            "value": "32.5"
          },
        },
        "area": null,
        "volume": {
          "unit": "m³",
          "value": "0.0226"
        },
        "net_weight": {
          "unit": "kg",
          "value": "15.07"
        }
      }
    ]
  },
  {
    "type": "pallet",

```

```

        "unit_quantity": 1440
      }
    ]
  },
  "min_quantity_unprinted": 1,
  "min_quantity_printed": 1,
  "variants": [
    {
      "code": "032999999",
      "product_code": "3127",
      "ean": "8719446003873",
      "color": {
        "code": "032",
        "names": [
          {
            "locale": "en_US",
            "value": "silver"
          }
        ]
      },
    },
    "color_group": [
      {
        "locale": "en_US",
        "values": [
          "Silver"
        ]
      }
    ],
    "size": {
      "code": "999",
      "names": [
        {
          "locale": "en_US",
          "value": "# No size"
        }
      ]
    },
  },
  "version": {
    "code": "999",
    "names": [
      {
        "locale": "en_US",
        "value": "Standard option"
      }
    ]
  },
  "price_tiers": [
    {

```

```

        "min_units": 1,
        "max_units": 35,
        "unit_net_price": 2.43,
        "unit_gross_price": 4.86
    },
    {
        "min_units": 36,
        "max_units": 71,
        "unit_net_price": 2.285,
        "unit_gross_price": 4.57
    },
    {
        "min_units": 72,
        "max_units": 143,
        "unit_net_price": 2.14,
        "unit_gross_price": 4.28
    },
    {
        "min_units": 144,
        "max_units": 287,
        "unit_net_price": 2.04,
        "unit_gross_price": 4.08
    },
    {
        "min_units": 288,
        "max_units": 999999,
        "unit_net_price": 1.97,
        "unit_gross_price": 3.94
    }
]
},
],
"print_options": [
    {
        "code": "po_295151",
        "method_code": "LC",
        "handling_code": "HKC",
        "position": {
            "code": "holder"
        },
        "variant_codes": [],
        "max_color_quantity": 1,
        "dimensions": {
            "width": {
                "unit": "mm",
                "value": "55"
            },
            "height": {

```

```

        "unit": "mm",
        "value": "6"
      },
    },
    {
      "code": "po_295152",
      "method_code": "LC",
      "handling_code": "HKC",
      "position": {
        "code": "at the side"
      },
      "variant_codes": [],
      "max_color_quantity": 1,
      "dimensions": {
        "width": {
          "unit": "mm",
          "value": "15"
        },
        "height": {
          "unit": "mm",
          "value": "15"
        }
      }
    }
  ]
}

```

Print methods

The print methods endpoint can be used to retrieve information about printing methods and their prices.

Endpoint: /v1/print_methods

Options:

- Pagination using offset/limit query parameters.
- Response sorting (default: code).

Notable fields:

- **code:** Unique identifier for the print method. Referenced from print options.
- **technique:** Information about the print technique (type of method).
- **is_full_color:** If true, this print method is a full color method. Max colors is 1.
- **is_laser:** If true, this print method uses laser printing in a single color. Max colors is 1.
- **setup_price:** Setup costs, calculated per print color.
- **price_scales:** Price tiers per print color. When printing 2 colors, the unit price for color index 1 and 2 must be added up.

Example response:

```
{
  "type": "print_method",
  "offset": 0,
  "limit": 100,
  "total": 1,
  "items": [
    {
      "code": "LC",
      "technique": {
        "code": "005",
        "name": [
          {
            "locale": "nl_NL",
            "value": "Lasergraving"
          },
          {
            "locale": "en_US",
            "value": "Laser"
          }
        ]
      }
    }
  ],
  "is_full_color": false,
  "is_laser": true,
}
```

```

"setup_price": 20,
"price_scales": [
  {
    "color_index": 1,
    "tiers": [
      {
        "min_units": 1,
        "max_units": 24,
        "net_unit_price": 1.73
      },
      {
        "min_units": 25,
        "max_units": 49,
        "net_unit_price": 1.06
      },
      {
        "min_units": 50,
        "max_units": 99,
        "net_unit_price": 0.79
      },
      {
        "min_units": 100,
        "max_units": 249,
        "net_unit_price": 0.57
      },
      {
        "min_units": 250,
        "max_units": 499,
        "net_unit_price": 0.34
      },
      {
        "min_units": 500,
        "max_units": 999,
        "net_unit_price": 0.28
      },
      {
        "min_units": 1000,
        "max_units": 2499,
        "net_unit_price": 0.24
      },
      {
        "min_units": 2500,
        "max_units": 4999,
        "net_unit_price": 0.19
      },
      {
        "min_units": 5000,
        "max_units": 9999,

```

```
        "net_unit_price": 0.19
      },
      {
        "min_units": 10000,
        "max_units": 24999,
        "net_unit_price": 0.19
      },
      {
        "min_units": 25000,
        "max_units": 999999,
        "net_unit_price": 0.19
      }
    ]
  }
}
```

Categories

It's possible to retrieve the full hierarchal category structure as used on the website. This is mainly usable when only a few types of products are needed, as the category endpoint responds with the unique code of categories (which can be used to filter products on).

Endpoint: `/v1/categories`

Options:

- Pagination using offset/limit query parameters.
- Response sorting (default: code).

Notable fields:

- **code:** Unique identifier for the category. Can be used as filter when retrieving products.

Example response:

```
{
  "type": "category",
  "offset": 0,
  "limit": 100,
  "total": 15,
  "items": [
    {
      "code": "Clipper_lvl1_106601",
      "name": [
        {
          "locale": "en_US",
          "value": "Office"
        }
      ],
      "children": [
        {
          "code": "Clipper_lvl2_106683",
          "name": [
            {
              "locale": "en_US",
              "value": "Notes"
            }
          ],
          "children": [
            {
              "code": "Clipper_lvl3_106760",
              "name": [
                {
```

```

    "locale": "en_US",
    "value": "Hard Cover notebooks"
  }
]
}

```

Stock levels

The stock level endpoint can be used to retrieve information about the number of items we have available, or what is expected to become available in the near future.

Stock levels are updated once per hour.

Endpoint: /v1/stock_levels

Options:

- Pagination using offset/limit query parameters.
- Response sorting (default: product_code and variant_code).
- Filtering on update timestamp and product codes.

Notable fields:

- **available_quantity:** Number of currently available items of the variant.
- **reserved_quantity:** Number of reserved items.
- **expected_deliveries:** Shows deliveries on their way to our warehouse and when they are expected to arrive. Please note that this is just an indication.

Example response:

```
{
  "type": "stock_level",
  "offset": 0,
  "limit": 100,
  "total": 9,
  "items": [
    {
      "product_code": "263127",
      "variant_code": "032999999",
      "available_quantity": 6572,
      "reserved_quantity": 0
    },
    {
      "product_code": "268384",
      "variant_code": "002999999",
      "available_quantity": 527,
      "reserved_quantity": 0,
      "expected_deliveries": [
        {
          "expected_quantity": 9000,
          "expected_at": "2099-01-01"
        },
        {
          "expected_quantity": 6000,
```

```
    "expected_at": "2026-01-16"  
  },  
  {  
    "expected_quantity": 6000,  
    "expected_at": "2026-03-11"  
  }  
]  
}
```

Price breakdown

The price breakdown endpoint can be used to calculate the full pricing structure for a given product and configuration. This can be used to verify your own calculation.

Please note this endpoint expects a POST call, making it not really RESTful, but allows for accepting a more complex configuration as body.

Endpoint: /v1/products/{productCode}/prices/breakdown

The request needs to include a list of variant codes and the quantity.

If you want to have the product printed, also provide the print option codes and color quantity you want to use.

Request example (unprinted):

```
{
  "variants": [
    {
      "variant_code": "032999999",
      "quantity": 100
    }
  ]
}
```

Response example (unprinted):

```
{
  "product_code": "263127",
  "total_quantity": 100,
  "total_net_price": 214,
  "variants": [
    {
      "variant_code": "032999999",
      "sku": "000000263127-032999999",
      "quantity": 100,
      "unit_gross_price": 4.28,
      "unit_net_price": 2.14,
      "total_net_price": 214
    }
  ]
}
```

Request example (printed):

```
{
  "variants": [
    {
      "variant_code": "032999999",
      "quantity": 100
    }
  ],
  "print_options": [
    {
      "code": "po_295151",
      "color_quantity": 1
    }
  ]
}
```

Response example (printed):

```
{
  "product_code": "263127",
  "total_quantity": 100,
  "total_net_price": 304,
  "variants": [
    {
      "variant_code": "032999999",
      "sku": "000000263127-032999999",
      "quantity": 100,
      "unit_gross_price": 4.28,
      "unit_net_price": 2.14,
      "total_net_price": 214
    }
  ],
  "print_handling": {
    "print_handling_code": "HKC",
    "sku": "000000007333-999999999",
    "unit_net_price": 0.13,
    "total_net_price": 13
  },
  "print_options": [
    {
      "code": "po_295151",
      "print_method_code": "LC",
      "print_handling_code": "HKC",
      "print_position_code": "holder",
      "color_quantity": 1,
      "colors": [
```

```
{
  {
    "color_index": 1,
    "sku": "000000002993-999999999",
    "unit_net_price": 0.57,
    "total_net_price": 57
  }
],
"setup": {
  "sku": "000000000056-999999999",
  "unit_net_price": 20,
  "total_net_price": 20
}
}
]
```