Bulkgood Documentation

Complete PDF Manual

Guide for Magento administrators, technical project owners, and implementation teams.

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EXTENSION
Magento 2 Extension Bulkgood

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Bulkgood

Bulkgood extends Magento's Table Rates shipping method for products that need a separate freight rule. Mark a product as a bulkgood, choose which price source should apply, and keep ordinary and bulk table-rate rows apart with the `Bulkgood` CSV column.

It is suited to pallets, furniture, machinery and other items for which a normal parcel rate is not appropriate. It does not calculate dimensions, choose a carrier, split shipments or request live freight quotes.

What the extension adds

- A **Bulkgood** product flag
- A general **Bulkgood Price** on the product
- Country-specific product prices with optional condition tiers
- A `Bulkgood` column in Magento's Table Rates CSV import and export
- A configurable priority between country price, general product price and table rate
- Sum, highest, lowest and average aggregation for product-level prices
- Optional quantity multiplication for product-level prices
- Diagnostic entries in Magento's `var/log/system.log`

The pricing decision in one minute

1. Magento checks whether the cart contains at least one visible item marked **Bulkgood**.
2. A cart without a bulkgood uses matching table-rate rows with `Bulkgood = 0`.
3. A cart with any bulkgood uses matching table-rate rows with `Bulkgood = 1` for the whole cart.
4. The extension checks the configured price sources in order. The first source that provides at least one usable value wins.
5. If the selected source is a product source, the configured calculation method combines its available values.

An important consequence is that a mixed cart does not add an ordinary parcel row to a separate freight row. Once a bulkgood is present, the cart follows the bulk table-rate path.

Start here

1. Install the extension
2. Configure the pricing rules
3. Set up the first bulkgood product
4. Prepare the Table Rates CSV
5. Test the complete checkout path

Before going live

- Import both `Bulkgood = 0` and `Bulkgood = 1` rows where both ordinary and bulk-only carts must be served.
- Add at least one matching bulk row for every destination you intend to serve. Product-level prices still require a matching bulk row before Magento can return the shipping method.
- Test carts with one bulk product, several bulk products, and a mixture of bulk and ordinary items.
- Test each website separately when websites use different origins or Table Rates files.
- Keep logging disabled during normal operation and enable it temporarily when investigating a rate.

Help and reference

- Price source priority
- Country prices and tiers
- Calculation methods
- Common issues
- Frequently asked questions

Installation

Install the package in the same way as other SoftwareSilo extensions. Run these commands from the Magento project directory and take a database backup before changing modules in a production store.

Install with Composer

If the SoftwareSilo repository is not configured yet, add it using the repository details from your account:

Replace `repo.softwaresilo.io`, `softwaresilo`, `https://repo.softwaresilo.io/` and `<token>` with the repository details shown under **Account > Licenses** in your SoftwareSilo account — see Installation & Updates.

```
composer config bearer.repo.softwaresilo.io <token>
composer config repositories.softwaresilo composer
https://repo.softwaresilo.io/
```

Require and enable the package:

```
composer require mageb2b/bulkgood:*
php bin/magento module:enable MageB2B_ExtensionManager
MageB2B_Bulkgood
php bin/magento setup:upgrade
php bin/magento setup:di:compile
php bin/magento setup:static-content:deploy
php bin/magento cache:flush
```

Use your normal deployment process for compilation and static content if these steps run during a release rather than on the application host.

Verify the installation

Open **Stores > Configuration > Sales > Shipping Methods > Table Rates**. The section should contain:

- **Bulkgood Price Source Priority**
- **Price Calculation Method**
- **Calculate Bulkgood Price by Qty**
- **Enable Bulkgood Price Logging**

Then open a product. Its Bulkgood attribute group should contain:

- **Bulkgood**
- **Bulkgood Price (General)**

- **Bulkgood Price per Country**

The extension also adds a `Bulkgood` field to Magento's Table Rates data. Do not alter the `shipping_tablerate` table manually. If setup reports a schema problem, resolve the failed `setup:upgrade` run before importing rates.

Product types

The bulk flag works per product SKU: for a configurable product, mark the **child** products — the flag on the configurable parent alone does not apply. Virtual and downloadable products are not excluded automatically; a virtual product flagged as bulk makes the whole cart count as bulk, so only flag products that really ship by freight.

Uninstall

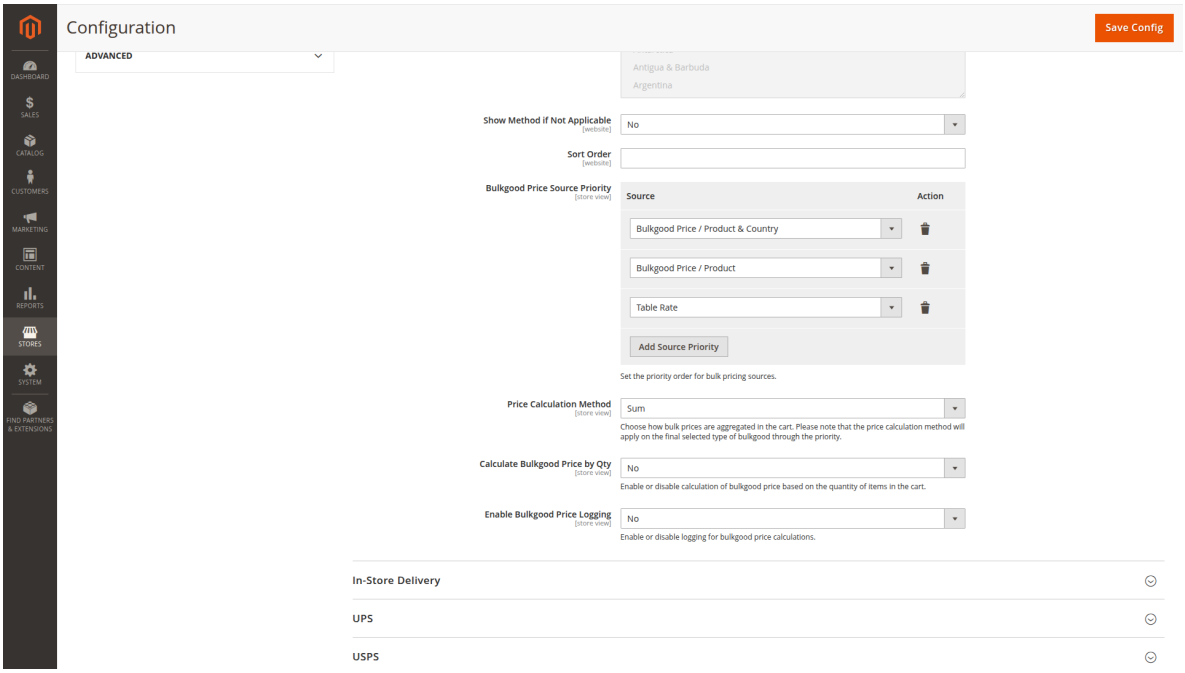
`bin/magento module:uninstall MageB2B_Bulkgood` removes the three product attributes (Bulkgood, Bulkgood Price (General), Bulkgood Price per Country) and the `bulkgood` column on `shipping_tablerate`. Product values stored in those attributes are deleted with them.

Next steps

- Configure the extension
- Create the first bulk shipping rule
- Import Table Rates

Configuration

Open **Stores > Configuration > Sales > Shipping Methods > Table Rates**. Configure Magento's normal Table Rates fields first, then set the four Bulkgood options in the same section.



Bulkgood Price Source Priority

Add up to three sources and place them in the order in which they should be checked:

Source	Value used
Bulkgood Price / Product & Country	Country-specific product rows that match the shipping country and active Table Rates condition
Bulkgood Price / Product	The general Bulkgood Price stored on bulk products
Table Rate	The price from the matching Table Rates row with `Bulkgood = 1`

The first source with at least one usable value wins for the bulk calculation. This is a cart-level decision, not an individual fallback for each product. For example, if the country source is first and one of three bulk products has a matching country price, that source is selected. The two products without a country price are not then filled from the general product source.

For that reason, use a product source first only when the relevant products are priced consistently through that source.

Price Calculation Method

This setting combines values from the selected product source:

- **Sum** adds all available values.
- **Highest** uses the largest available value.
- **Lowest** uses the smallest available value.
- **Average** uses the arithmetic mean.

It does not combine ordinary and bulk table rates, and it does not change a single Table Rates price.

Calculate Bulkgood Price by Qty

When enabled, each country-specific or general product price is multiplied by that item's quantity before the calculation method runs. The option does not multiply the price returned by the Table Rates source.

Example with **Sum**:

Product	Price	Quantity	Contributing value
Storage cabinet	45.00	2	90.00
Workbench	70.00	1	70.00
Shipping price			**160.00**

Enable Bulkgood Price Logging

Enable this temporarily when a checkout result does not match your expectation. Entries are written through Magento's standard logger and normally appear in `var/log/system.log`. The log records the configured source order, product price candidates, selected source and final amount.

Disable it again after troubleshooting to avoid unnecessary log volume.

Scope

The four fields are available at default, website and store-view scope. Magento's Table Rates import and export is website-scoped, while the Bulkgood product attributes are website-scoped product values. Confirm both the configuration scope and the product website assignment before comparing storefront results.

A safe first configuration

The shipped defaults already enable all three price sources in the priority list, use **Highest** as the calculation method and multiply by quantity — the steps below

deliberately narrow that to a predictable starting point.

For a catalog in which every bulk product has a general freight price:

1. **Bulkgood Price / Product**
2. **Table Rate**

Use **Sum** if each product contributes freight, or **Highest** if the most expensive handling requirement should determine the charge. Import a broad `Bulkgood = 1` row for every served destination, even though the visible amount comes from the product.

For a centrally managed weight or subtotal matrix, place **Table Rate** first and manage the amount entirely in the CSV.

Configuration reference

Config path	Admin label
`carriers/tablerate/bulkgood_price_priority`	Bulkgood Price Source Priority
`carriers/tablerate/price_calculation_method`	Price Calculation Method
`carriers/tablerate/calculate_by_quantity`	Calculate Bulkgood Price by Qty
`carriers/tablerate/log_enabled`	Enable Bulkgood Price Logging

Continue with your first bulkgood product and the Table Rates setup.

Your First Bulkgood Product

Start with one product and one destination. A small test case makes it easier to see whether the product, Table Rates row and source priority work together.

1. Mark the product

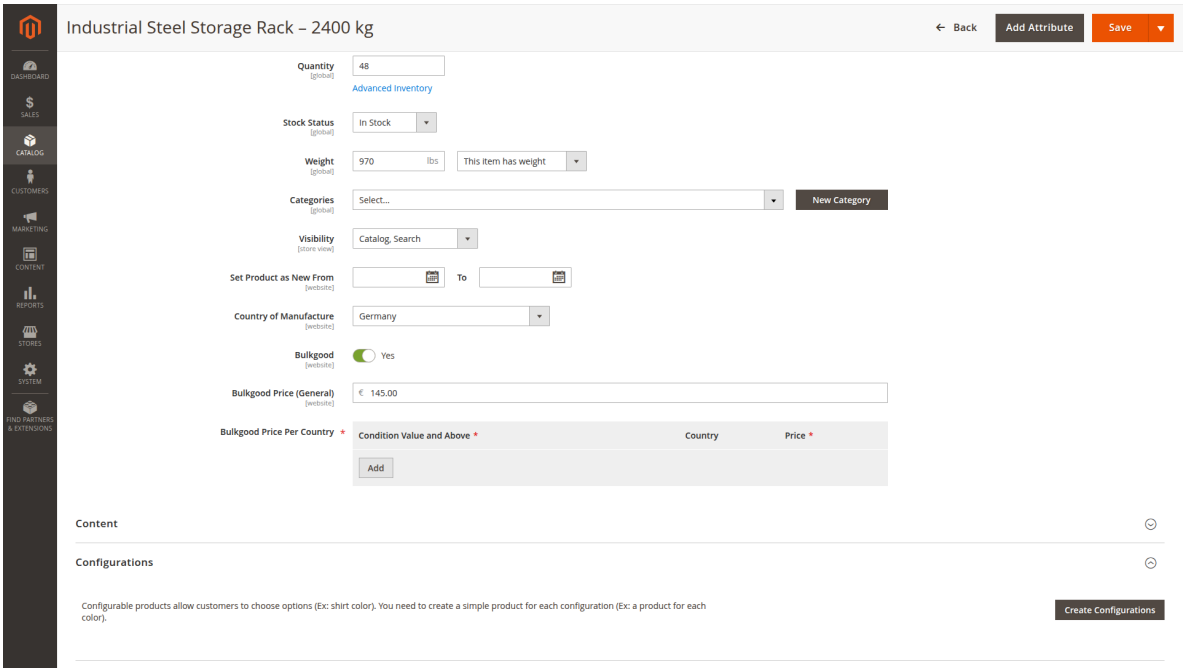
Open **Catalog > Products**, edit the product and find the Bulkgood attribute group. Set **Bulkgood** to **Yes** for the relevant website scope.

The product is treated as ordinary shipping until this flag is enabled. Assigning it to a category does not mark it as a bulkgood.

2. Choose one price source

General product price

Enter a **Bulkgood Price** when the product should contribute the same freight amount for every destination. Leave country rows empty for the first test.



Country-specific product price

Under **Bulkgood Price Per Country**, add a row with:

- the destination country;
- **Condition Value and Above**;
- the shipping price.

Set the condition value to `0` for a simple country price. You can add further thresholds after the base case works.

Table Rates price

Leave the product price fields empty when the amount should come from Magento's Table Rates matrix.

3. Import a matching bulk row

Every bulk checkout needs a matching Table Rates row with `Bulkgood = 1`. This remains true when a product price is first in the source priority. The row lets Magento resolve the shipping method; the extension can then replace its price with the selected product calculation.

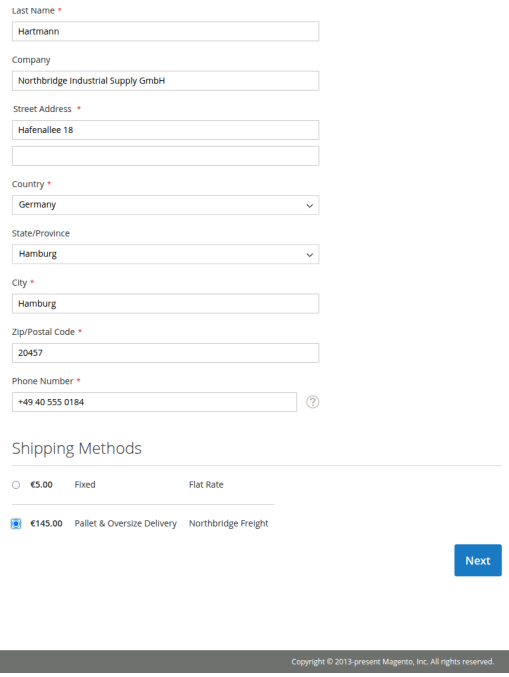
Export the current Table Rates file at website scope, add the Bulkgood rows, and import the complete file again. Follow Table Rate Setup for the exact workflow.

4. Set the priority

Open **Stores > Configuration > Sales > Shipping Methods > Table Rates** and put your chosen source first. Include **Table Rate** as a later fallback when the CSV contains the intended final prices.

5. Test checkout

1. Add only the new bulk product to a clean cart.
2. Enter a shipping address covered by the imported bulk row.
3. Confirm that Table Rates appears and the price matches the selected source.
4. Change the quantity and check the result against **Calculate Bulkgood Price by Qty**.
5. Test a destination without a country price to confirm the next cart-level source behaves as intended.



If the method is missing, first check for a matching `Bulkgood = 1` row. If the method appears with the wrong amount, check source priority, website scope and the calculation rules.

Add more products carefully

Once one product works, add a second bulk product and retest. Product source priority is selected for the cart as a whole. Avoid a setup in which only some bulk products have values in the highest-priority source unless excluding the other products from that calculation is intentional.

Price Source Priority

The priority setting chooses one pricing source for the bulk calculation. It checks sources from top to bottom and stops at the first source that provides at least one usable value.

Available sources

Source	Available when
Bulkgood Price / Product & Country	At least one bulk product has a country row that matches the destination and its condition threshold
Bulkgood Price / Product	At least one bulk product has a general Bulkgood Price
Table Rate	Magento finds a destination and condition row with `Bulkgood = 1`

You can configure up to three priority rows.

Priority applies to the cart

The fallback is not repeated for each product. Suppose the cart contains three bulk products:

- Cabinet A has a Germany country price of 45.00.
- Cabinet B has only a general product price of 35.00.
- Cabinet C has only a general product price of 55.00.

With country price first and general product price second, the country source already has one usable value. It wins, so the calculation receives only 45.00. It does not add the general prices for B and C.

If all three products should contribute to shipping, give all three a value in the chosen first source or use a complete Table Rates matrix.

Table Rates are still required

A bulk cart is looked up against `Bulkgood = 1` rows before a shipping method can be returned. A product price does not make the method available by itself. Keep a matching bulk row for every served destination, even when the row's price will be replaced by a product calculation.

Choosing an order

Product prices first

Use this when products carry the commercial freight amount:

1. Bulkgood Price / Product & Country
2. Bulkgood Price / Product
3. Table Rate

This is reliable when country coverage is consistent across the relevant products. If coverage is partial, the first matching country value can exclude general values from other products.

Table Rates first

Use this when weight, subtotal, item count, destination region or postcode determines the complete cart charge:

1. Table Rate
2. Bulkgood Price / Product & Country
3. Bulkgood Price / Product

When a bulk table row matches, its price is returned directly. The calculation method and quantity multiplier do not alter it.

General product price first

Use this for a consistent per-product handling model:

1. Bulkgood Price / Product
2. Table Rate

Combine it with **Sum**, **Highest**, **Lowest** or **Average** according to the freight rule.

Diagnose an unexpected source

Enable **Bulkgood Price Logging**, reproduce the cart and inspect `var/log/system.log`. Check:

1. whether the cart was classified as bulk;
2. whether a `Bulkgood = 1` row matched;
3. which product values were available;
4. which source appeared first in the saved priority;
5. which calculation method produced the final amount.

Continue with calculation methods and country pricing.

Calculation Methods

The calculation method combines the values available from the selected product source. It runs after the priority system has chosen either country-specific product prices or general product prices.

Method	Result for 40.00, 65.00 and 25.00
Sum	130.00
Highest	65.00
Lowest	25.00
Average	43.33

What is included

Only non-empty values from the winning source are included. Values from lower-priority sources are not mixed into the same calculation.

For example, if two products have matching country prices of 40.00 and 65.00 while a third product has only a general price, **Sum** returns 105.00. The third product's general price is not added.

Quantity calculation order

When **Calculate Bulkgood Price by Qty** is enabled, the extension first multiplies each available product value by its item quantity. The selected calculation method then combines those results.

Product	Unit freight	Qty	Value passed to method
Pallet A	40.00	2	80.00
Pallet B	65.00	3	195.00

In this example, **Sum** produces 275.00 and **Highest** produces 195.00.

Table Rates behave differently

If **Table Rate** wins the priority check, Magento has already selected one matching row for the request. Its price is returned directly. The product aggregation method and the Bulkgood quantity option do not multiply or combine that amount.

Use Magento's Table Rates condition thresholds when the whole cart should move through weight, subtotal or quantity bands.

Practical choices

- Use **Sum** when each priced product adds handling or freight.
- Use **Highest** when one shipment charge should reflect the most expensive item requirement.
- Use **Lowest** only when the lowest available product charge is deliberately the business rule.
- Use **Average** only when an average of the priced products is the intended customer charge. It is not a weighted average unless quantity multiplication is enabled first.

Always test several-product carts. A method can be mathematically correct while the selected source contains fewer products than expected.

Quantity Calculation

Calculate Bulkgood Price by Qty controls whether product-level shipping prices are multiplied by item quantity.

When enabled

A product with a freight price of 32.00 and quantity 4 contributes 128.00. This applies to:

- matching **Bulkgood Price / Product & Country** values;
- **Bulkgood Price / Product** values.

After multiplication, the calculation method combines all values from the selected source.

When disabled

The same product contributes 32.00 regardless of whether the cart contains one or four units. This can represent one handling charge per product line, but it is not automatically one charge per shipment or pallet.

What the setting does not change

- It does not multiply the price returned by the **Table Rate** source.
- It does not calculate pallet count, package count, dimensions or cubic volume.
- It does not change the condition value used by Magento's Table Rates lookup.

If the Table Rates source should increase with cart quantity, select **Number of Items vs. Destination** as Magento's Table Rates condition and create the required quantity thresholds in the CSV.

Country tier interaction

When the active condition is item quantity, a country-specific product tier is selected using the quantity of that individual quote item. If quantity calculation is also enabled, the selected tier price is then multiplied by that same quantity.

Example:

- tier from 1 unit: 8.00;
- tier from 5 units: 6.00;
- cart quantity: 6;
- selected unit value: 6.00;
- contributing value with quantity enabled: 36.00.

Test the thresholds immediately below, at and above each boundary before using them in production.

Country Prices and Tiers

Country-specific product prices let one bulk product contribute different freight amounts by destination. Each row contains a country, a condition threshold and a price.

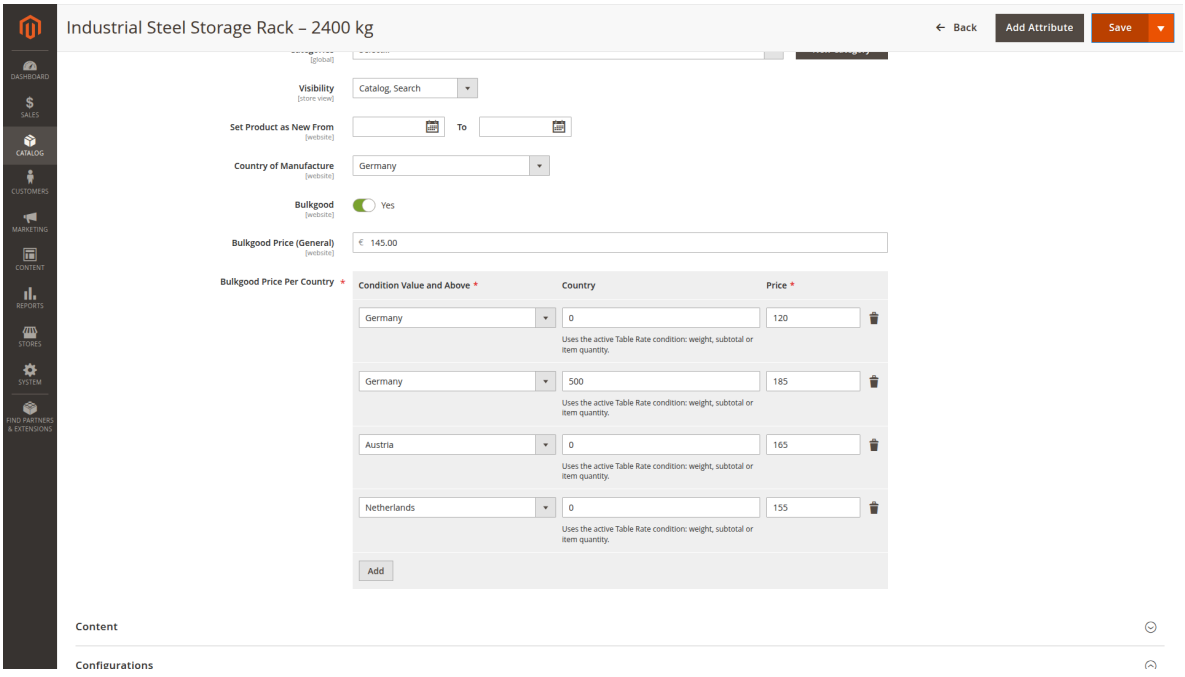
Add country rows

Open **Catalog > Products**, edit a bulk product and find **Bulkgood Price Per Country**. Add rows with:

Field	Meaning
Country	Shipping destination country
Condition Value and Above	Minimum value at which this row becomes active
Price	Product freight value contributed by the row

Use a threshold of `0` when the country should have one simple price.

Both **Country** and **Price** are required. A row missing either field is removed silently when the product is saved — no error is shown — so re-check the grid after saving if a row is absent.



How the threshold is measured

The row uses the active Magento Table Rates condition:

Table Rates condition	Product row value used for the tier
Weight vs. Destination	Quote item's row weight; if absent, product weight multiplied by quantity
Price vs. Destination	Item base row total minus its base discount amount
Number of Items vs. Destination	Quantity of that quote item

The highest threshold less than or equal to the item's value wins.

Example for weight:

Country	Condition value and above	Price
Germany	0	18.00
Germany	25	32.00
Germany	75	58.00

An item row weighing 40 uses 32.00. An item row weighing 90 uses 58.00.

Country price priority

The country source becomes available as soon as at least one bulk product has a matching row. If it is the highest available priority, only matching country values enter the calculation. Bulk products without a matching row are not automatically filled from their general product price.

Keep country coverage consistent when this source comes first, or place **Table Rate** first when the CSV should determine the complete cart price.

Currency and scope

Enter values in the currency expected by the active website's shipping configuration. The product attributes use website scope. Review the selected website scope before editing the product, especially when the same SKU is sold in several markets.

Country product rows do not replace the Table Rates destination match. A corresponding `Bulkgood = 1` row must still allow the shipping method for the address.

Table Rates Setup

Bulkgood extends Magento's existing Table Rates import and export. The file keeps Magento's normal destination and condition columns and adds an exact `Bulkgood` header.

Work at website scope

1. Open **Stores > Configuration > Sales > Shipping Methods**.
2. Switch to the website whose rates you want to edit.
3. Expand **Table Rates** and select the intended condition.
4. Export the existing CSV.
5. Edit the exported file, preserving its Magento-generated headers.
6. Set `Bulkgood` to `0` for ordinary-cart rows and `1` for bulk-cart rows.
7. Import the complete file at the same website scope.

Using Magento's export as the template avoids header differences between Table Rates conditions and Magento releases.

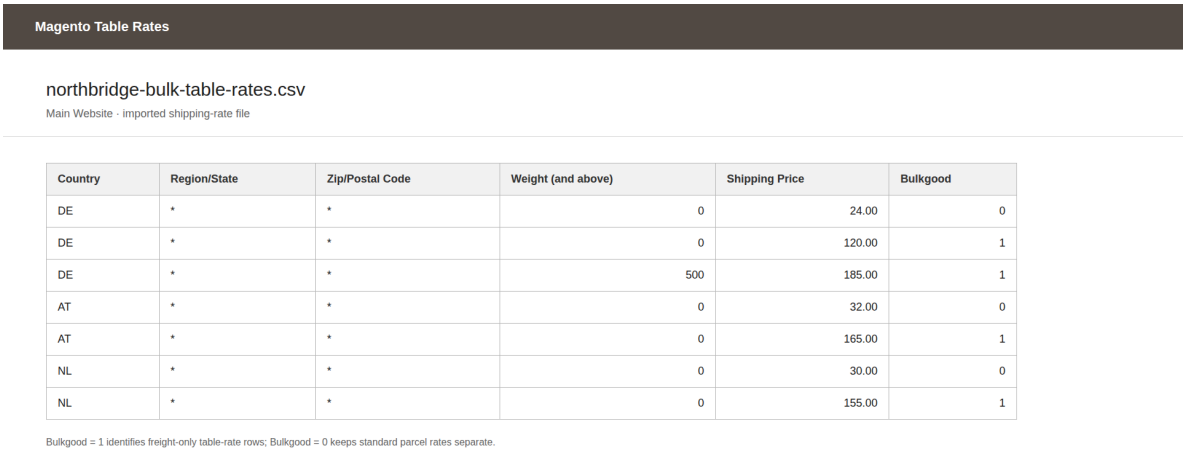
The Bulkgood column

The header must be exactly:

```
Bulkgood
```

Use these values:

- `0` for carts without a product marked Bulkgood;
- `1` for carts containing at least one product marked Bulkgood.



Magento Table Rates

northbridge-bulk-table-rates.csv

Main Website · imported shipping-rate file

Country	Region/State	Zip/Postal Code	Weight (and above)	Shipping Price	Bulkgood
DE	*	*	0	24.00	0
DE	*	*	0	120.00	1
DE	*	*	500	185.00	1
AT	*	*	0	32.00	0
AT	*	*	0	165.00	1
NL	*	*	0	30.00	0
NL	*	*	0	155.00	1

Bulkgood = 1 identifies freight-only table-rate rows; Bulkgood = 0 keeps standard parcel rates separate.

The importer rejects nonnumeric and negative values. Although its parser accepts other nonnegative numbers, the stored field is a flag, so `0` and `1` are the supported operational values.

Keep ordinary and bulk rows

If a destination accepts both cart types, provide both variants for the same Magento condition bands. The Bulkgood value is part of the row's identity, so an ordinary and a bulk row can share the same destination and threshold.

Illustrative shape only, with the exact condition header taken from your export:

```
Country,Region/State,Zip/Postal Code,Weight (and above),Shipping
Price,Bulkgood
DE,*,*,0.0000,9.90,0
DE,*,*,0.0000,59.00,1
DE,*,*,100.0000,89.00,1
```

Product prices still need a matching row

Even if country-specific or general product prices are placed first, Magento must find a `Bulkgood = 1` row for the destination and condition. Without it, the carrier returns its configured not-available result instead of a product-derived price.

You can use a broad bulk row as the availability baseline when product prices carry the amount. Its Table Rates price matters only if **Table Rate** is selected before the product source or used as fallback.

Import checks

After import:

1. Export again and confirm the rows and Bulkgood values.
2. Clear the configuration cache.
3. Test an ordinary-only cart and a bulk cart at the same address.
4. Test each threshold boundary.
5. Test a destination that should not receive the method.

See CSV import troubleshooting if Magento rejects the file.

Diagnostic Logging

Bulkgood can record the inputs and decisions used during a Table Rates request. Use it for a specific investigation, then switch it off again.

Enable logging

Open **Stores > Configuration > Sales > Shipping Methods > Table Rates** and set **Enable Bulkgood Price Logging** to **Yes** in the scope used by the storefront. Save the configuration and clear the configuration cache if needed.

Reproduce the issue with a clean cart and a known address. Magento's standard logger normally writes the entries to:

```
var/log/system.log
```

The extension does not create a separate `var/log/bulkgood.log` file.

What to look for

The diagnostic sequence identifies:

- the saved priority order;
- the calculation method and quantity option;
- which visible cart items are marked as bulkgoods;
- country and general product price candidates;
- whether a bulk Table Rates row was found;
- the selected source and final price.

Read one request as a complete sequence from its start marker to its end marker. Busy stores can interleave unrelated log messages, so reproduce one checkout calculation at a time where possible.

No entries appear

Check that:

1. logging is enabled in the storefront's effective scope;
2. Magento can write to `var/log`;
3. Table Rates is active and a shipping-rate request is actually made;
4. configuration cache has been refreshed.

Protect log data

Logs may contain product names, SKUs and configuration values. Treat them as

operational data. Remove unrelated entries before sharing a diagnostic extract and never publish an entire production log.

Consolidated Freight Charges

A consolidated shipment often needs one charge for a group of products rather than a charge for every unit. Bulkgood can support several fixed-price models, but it does not build packages or calculate pallet utilization.

Use the highest product price

If each bulk product carries a handling value and the most expensive requirement should determine the shipment charge:

1. Put **Bulkgood Price / Product** first.
2. Set **Price Calculation Method** to **Highest**.
3. Set **Calculate Bulkgood Price by Qty** to **No**.
4. Give every relevant bulk product a general price.

For product values 40.00, 65.00 and 25.00, checkout returns 65.00.

Use a Table Rates quantity band

If the total item count should determine one cart charge, make **Table Rate** the first source and select Magento's **Number of Items vs. Destination** condition. Add `Bulkgood = 1` rows for the required quantity thresholds.

This uses Magento's cart-level Table Rates lookup. Do not also expect the Bulkgood quantity option to multiply the returned table price.

Limits

The extension does not know how many physical pallets a set of products occupies. It also does not split products into packages or optimize a load. If a pallet count differs from cart quantity, calculate and store a suitable condition value through your catalog or shipping architecture before relying on quantity bands.

Test the exact cart combinations that operations expects to consolidate, including mixed carts and threshold boundaries.

Freight Forwarder Price Lists

Use Bulkgood when a freight forwarder supplies agreed fixed charges by destination, weight, subtotal or item count and you want to maintain those charges in Magento Table Rates.

Central matrix

Choose **Table Rate** as the first price source when the forwarder's CSV is the source of truth. Select the Magento Table Rates condition that matches the agreement, then add the destination and threshold rows with `Bulkgood = 1`.

This approach works well for:

- destination-country and postcode bands;
- shipment weight thresholds;
- order-value thresholds;
- cart item-count thresholds.

Product handling values

Use **Bulkgood Price / Product** when individual products have an agreed freight or handling amount. The calculation method can sum those values or select their highest, lowest or average value.

The extension stores one Bulkgood Price per product. It has no separate `bulkgood_type` field for pallet classes. If half pallets, Euro pallets, and industrial pallets need different amounts, store the applicable amount on each product or model the shipment through Table Rates.

No live carrier connection

The extension does not send requests to a forwarder's API and does not retrieve live quotes, labels or tracking. Imported rates remain in effect until an administrator replaces them. Agree an update and test process with the operations team when fuel surcharges or route prices change.

International B2B Shipping

International bulk shipping can be managed either as a website-level Table Rates matrix or as country prices on each product.

Table Rates by destination

Use this model when a forwarder supplies cart-level prices. Import `Bulkgood = 1` rows for each destination, region, postcode and condition threshold. Place **Table Rate** first in the source priority.

Separate rows are needed for countries that share the same commercial zone. Magento's Table Rates file does not accept a named zone in place of the country field.

Country prices on products

Use product country rows when each SKU has its own destination charge. A zero threshold creates one price for the country. Further rows can introduce weight, discounted item value or item-quantity tiers according to the active Table Rates condition.

Country-source coverage should be consistent. If one product has a destination row and another does not, the available country source can win without including the second product's general price.

Checklist for each market

- The website sells and ships the product.
- Product Bulkgood values are saved in the correct website scope.
- A `Bulkgood = 1` Table Rates row matches the destination.
- The configured currency and tax handling match the storefront's shipping presentation.
- Region and postcode wildcards are intentional.
- A destination without a valid rate produces the configured unavailable result.

Bulkgood does not calculate customs duties, import taxes, Incoterms or currency conversion. Handle those separately in the checkout and order process.

Mixed Carts

A mixed cart contains at least one ordinary product and at least one product marked Bulkgood. It is important to understand that Bulkgood does not calculate parcel and freight portions separately.

Whole-cart bulk selection

As soon as one visible cart item is marked Bulkgood, the Table Rates lookup uses `Bulkgood = 1` for the whole request. The matching bulk row represents the shipping method for the complete cart.

The extension does not:

- retrieve an ordinary `Bulkgood = 0` row for the parcel items;
- retrieve a second `Bulkgood = 1` row for the bulk items;
- add those two rows together.

If a product source wins, only marked bulk products provide country or general product values. The ordinary items do not add product-level freight values, but they remain part of Magento's request totals used for Table Rates conditions.

Designing a mixed-cart charge

Choose one of these approaches:

Complete charge in Table Rates

Put **Table Rate** first and make each bulk row represent the complete charge for a cart that includes freight. Build weight, subtotal or quantity thresholds that account for the intended cart composition.

Charge from bulk products

Put a product source first and give every bulk product a suitable value. Keep a matching `Bulkgood = 1` baseline row so Magento can return the shipping method. This model does not add a separate parcel amount for ordinary products.

Required tests

Test an ordinary-only cart, a bulk-only cart and a mixed cart at the same address. Compare the selected CSV flag and the final amount. Also test whether discounts or added ordinary items move the whole cart into a different Table Rates subtotal, weight or quantity band.

Multiple Websites and Stores

Use website scope as the main boundary for a multi-market Bulkgood setup. Magento imports and exports Table Rates for the selected website, and the Bulkgood product attributes are website-scoped.

Set up each website

For every website that needs its own rates:

1. Select the website scope under **Stores > Configuration**.
2. Choose the Table Rates condition.
3. Export that website's file.
4. Add its ordinary and bulk rows.
5. Import the complete file at the same website scope.
6. Open each bulk product in the matching website scope and review its flag and prices.
7. Save the desired priority, calculation and logging settings for the effective scope.

The Bulkgood configuration fields can inherit or be overridden at store-view scope, but the Table Rates file itself is tied to the website. Do not describe two store views on the same website as having separate CSV datasets unless they actually use separate websites.

Currency considerations

Product and Table Rates values are stored as configured amounts. Confirm how each website displays and converts shipping prices. Do not assume that copying a numeric rate from one website creates an equivalent charge in another currency.

Test isolation

Use the same product and destination on each storefront, then verify:

- the product is assigned to the website;
- the correct website-scoped Bulkgood value is loaded;
- the intended Table Rates dataset matches;
- configuration inheritance is visible in Admin;
- the storefront returns only the intended rate.

Large Lightweight Products

Bulkgood can apply a separate freight rule to large, lightweight products, but it does not calculate cubic volume or dimensional weight from length, width and height.

Supported approaches

Store a product freight value

Mark the product as a bulkgood and enter a general or country-specific shipping price supplied by your carrier. Use a product source first in the priority.

Use a prepared shipping weight

If your catalog process already stores a billable or dimensional weight in Magento's product weight, use **Weight vs. Destination** Table Rates and make **Table Rate** the first source. Bulkgood itself does not derive that weight.

Use item-count bands

For products packed one unit per handling unit, **Number of Items vs. Destination** can provide cart-level quantity thresholds. This is appropriate only when item quantity is a reliable operational proxy for the shipment.

What requires another solution

You need additional shipping logic when checkout must:

- calculate cubic metres from product dimensions;
- compare dimensional and actual weight;
- group products into cartons or pallets;
- optimize package utilization;
- request a live volume quote from a carrier.

Do not publish volume tiers unless the value that selects those tiers is genuinely present in Magento's shipping request. Test the stored weight or quantity assumptions against real packing rules before launch.

Configuration Fields

This reference lists the settings exposed by `mageb2b/bulkgood` in Magento Admin.

Configuration paths are included for controlled deployments and `config:set`. Use Magento Admin for normal changes so field validation and scope inheritance still apply. The extension status display is not listed because it reports installation state rather than a configurable value.

Table Rates

Shipped defaults: all three price sources are enabled in the priority list (country price → product price → table rate), **Price Calculation Method** is *Highest*, **Calculate Bulkgood Price by Qty** is *Yes* and logging is off.

Field	Configuration path	Input	Scope
Bulkgood Price Source Priority	`carriers/tablerate/bulkgood_price_priority`	Custom control	Default, Website, Store view
Price Calculation Method	`carriers/tablerate/price_calculation_method`	Select	Default, Website, Store view
Calculate Bulkgood Price by Qty	`carriers/tablerate/calculate_by_quantity`	Select	Default, Website, Store view
Enable Bulkgood Price Logging	`carriers/tablerate/log_enabled`	Select	Default, Website, Store view

Common Issues

Start with the cart classification and the matching Table Rates row. Most missing-rate problems happen before product price priority is evaluated.

Bulkgood fields do not appear

Confirm that the module is enabled and setup completed:

```
php bin/magento module:status MageB2B_Bulkgood
php bin/magento setup:upgrade
php bin/magento cache:flush
```

Open a product attribute set and confirm that the Bulkgood attributes are assigned. Do not add database columns or backend models manually. A missing schema or attribute indicates an incomplete deployment that should be corrected through Magento setup.

Table Rates disappears for a bulk cart

Check all of the following:

1. Table Rates is enabled for the effective storefront scope.
2. The product's **Bulkgood** flag is **Yes** at the relevant website.
3. The imported file contains a `Bulkgood = 1` row matching the country, region, postcode and active condition.
4. The product is assigned to the website whose file was imported.
5. The carrier's ship-to-country restrictions allow the destination.

A product-level Bulkgood Price does not remove the need for the matching bulk row.

Ordinary carts receive the wrong rate

An ordinary-only cart uses `Bulkgood = 0`. Export the website's current Table Rates data and confirm that ordinary rows were not removed when the bulk rows were imported.

If the cart unexpectedly follows the bulk path, inspect every visible cart item and its website-scoped Bulkgood flag. One marked item changes the lookup for the whole cart.

Mixed-cart total is lower than expected

Bulkgood does not add an ordinary parcel row and a bulk freight row. A mixed cart uses one `Bulkgood = 1` lookup for the entire cart. Make that row or the selected product calculation represent the complete intended charge.

Some bulk products are missing from the amount

The first price source with any usable values wins at cart level. If only one product has a country price, that country source can be selected without adding general prices from other products.

Give all products values in the intended first source, change the source order, or use Table Rates as the complete cart price.

Country tier does not change

Confirm the active Table Rates condition. The tier threshold uses item row weight, discounted item row value or item quantity. It does not use cubic volume. Check values immediately below and above the threshold and ensure a zero-threshold base row exists when required.

Configuration appears stale

Save in the correct scope, then clean configuration cache:

```
php bin/magento cache:clean config
```

Enable diagnostic logging for one controlled checkout if the result remains unclear.

CSV Import Troubleshooting

Use a fresh export from the same website and Table Rates condition as your import. This is safer than building headers from memory.

Magento cannot find the Bulkgood column

The added header must be exactly `Bulkgood`. Keep its spelling and capitalization and remove leading or trailing spaces.

Use `0` or `1` in every data row:

- `0` for ordinary carts;
- `1` for carts containing a bulkgood.

Text such as `Yes`, `No` or `Bulk` is rejected. Negative values are also rejected.

Condition header is rejected

Magento changes the condition column according to the selected Table Rates condition. Export again after choosing the condition and retain the generated column name. Do not replace it with a generic header such as `Condition`.

Rows import but the method is unavailable

Confirm that the file was imported at the correct website scope and that a `Bulkgood = 1` row matches all request dimensions:

- destination country;
- region or wildcard;
- postcode or wildcard;
- active condition threshold;
- website.

Remember that the matching row is required even when a product source supplies the final price.

Existing rates disappeared

Magento Table Rates import replaces the website's rate dataset. Add both ordinary and bulk rows to one complete file before importing it. Export immediately after import to verify the saved result.

Duplicate-row error

Rows must be unique across website, destination, condition, threshold and Bulkgood flag. Remove accidental duplicates. A matching `Bulkgood = 0` and `Bulkgood = 1` pair is

valid because the flag differs.

File hygiene

- Save as a normal comma-separated file using the encoding accepted by your Magento environment.
- Keep decimal values unformatted, such as `45.0000`.
- Do not add currency symbols or thousands separators.
- Remove blank rows after the final record.
- Test a small file in a non-production environment before replacing a large matrix.

After a successful import, clear configuration cache and test ordinary, bulk and mixed carts.

Price Calculation Troubleshooting

Use one known cart and work through the decision in the same order as the extension.

1. Identify the cart path

- No visible item is marked Bulkgood: Magento looks for `Bulkgood = 0`.
- At least one visible item is marked Bulkgood: Magento looks for `Bulkgood = 1` for the whole cart.

If the shipping method is missing, solve the Table Rates match before reviewing product prices.

2. Confirm the matching bulk row

Check website, country, region, postcode, active condition and threshold. A `Bulkgood = 0` row cannot serve a bulk cart. Product-level prices still depend on a successful `Bulkgood = 1` lookup.

3. Read source priority from top to bottom

For each source, ask whether it has at least one usable value:

1. Does any bulk product have a matching country tier?
2. Does any bulk product have a general Bulkgood Price?
3. Did Magento find the bulk Table Rates row?

Stop at the first yes. Do not combine missing products with lower sources.

4. Recalculate product values

If a product source won:

1. list only its non-empty values;
2. multiply each by item quantity only when **Calculate Bulkgood Price by Qty** is enabled;
3. apply Sum, Highest, Lowest or Average.

If Table Rate won, use its price directly. The Bulkgood quantity option and product aggregation method do not change it.

5. Check country thresholds

Country rows use the active Table Rates condition at item level:

- row weight;
- base row total minus base discount;

- item quantity.

The highest threshold not exceeding the item value wins.

6. Capture diagnostic evidence

Enable **Bulkgood Price Logging**, reproduce one request and inspect `var/log/system.log`. Record the cart SKUs, quantities, destination, effective website scope, source order, condition and expected arithmetic. Disable logging after the investigation.

Common misunderstandings

- A mixed cart does not add ordinary and bulk Table Rates.
- Quantity multiplication does not change a Table Rates price.
- Country pricing does not fall back product by product.
- The extension does not calculate dimensions, volume or packages.
- A product price alone cannot make the shipping method available.

FAQ

What makes a product a bulkgood?

Set the product's **Bulkgood** attribute to **Yes** in the relevant website scope. A category assignment does not activate Bulkgood shipping.

What happens when one bulk product is in a mixed cart?

The whole cart uses the Table Rates lookup for `Bulkgood = 1`. The extension does not calculate an ordinary parcel row separately and add it to a bulk row.

Can I use a product price without importing a bulk Table Rates row?

No. Magento must first find a matching `Bulkgood = 1` row for the destination and active condition. The extension can then replace that row's price with the selected product calculation.

Does priority fall back separately for every product?

No. Priority is resolved at cart level. The first source with at least one usable value wins. Lower sources do not fill missing products.

What do the calculation methods combine?

They combine the available values from the selected country-specific or general product source. They do not combine values from different sources and do not alter a Table Rates price.

Does Calculate Bulkgood Price by Qty affect Table Rates?

No. It multiplies country-specific and general product prices by each item's quantity. Table Rates conditions and prices continue to follow Magento's standard cart-level behavior.

Can country prices have tiers?

Yes. Add several rows for one country with different **Condition Value and Above** thresholds. The active Table Rates condition determines whether the threshold represents item weight, discounted item value or item quantity.

Which country tier wins?

The highest threshold less than or equal to the item's condition value wins. Add a

threshold of zero when the country needs a base tier.

Can Bulkgood calculate dimensional weight or cubic volume?

No. It does not read length, width or height and does not calculate cubic volume. You can use a prepared shipping weight, product price, country price or Magento Table Rates condition.

Does it connect to freight carrier APIs?

No. It extends stored Magento Table Rates and product attributes. It does not request live rates, labels or tracking from a carrier.

Are Table Rates files configured per store view?

Magento's Table Rates import and export is website-scoped. Bulkgood configuration fields may inherit or be overridden at other scopes, but the rate dataset belongs to the website.

Where are diagnostic entries written?

They use Magento's standard logger and normally appear in `var/log/system.log`. The extension does not create `var/log/bulkgood.log`.

Should the CSV contain ordinary rows too?

Yes, if the website must serve ordinary-only carts. Include `Bulkgood = 0` and `Bulkgood = 1` rows in the complete imported file.

Does Bulkgood work with multi-address checkout?

Yes. Magento creates a separate rate request per shipping address, so each destination is matched against the Table Rates matrix and product rows independently.

Does the calculation apply to carts outside the browser checkout?

Yes. The calculation evaluates the items and store-scoped configuration from the active rate request rather than the browser session. This also covers carts handled through REST, GraphQL, admin order creation, CLI and integration code.

What should I test before launch?

Test ordinary-only, bulk-only and mixed carts; every supported destination; threshold boundaries; multiple bulk products; quantities above one; and each website that has its

own rate matrix.