# Related Products and Sub-Products List Widgets - Feature Release Notes

**Feature:** Related Products List and Related Sub-Products List Widgets

**Module:** Shop

**Release Date:** May 18, 2026

**Reference:** Jira ICV-1340, SVN r327781-r328071

## 1. Release Overview

This release modernizes the Shop related-item widget family across admin configuration, storefront rendering, and search behavior. Merchandisers can now configure widget data by product type, related-item management screens allow cross-type selection, and storefront layouts use responsive carousels with more reliable data loading.

## 2. What Changed in This Release

### 2.1 Related products admin tab

- Removed the same-type restriction from the available products grid.
- Added Product Type filters and columns to both Related and Available product grids.
- Converted native alert/confirm dialogs to SweetAlert.
- Updated category filters to support hierarchical multi-select behavior.

### 2.2 Related sub-products admin tab

- Removed the same-type restriction from the available sub-products grid.
- Added Product Type filters and columns to both Related and Available sub-product grids.
- Converted native alert/confirm dialogs to SweetAlert.
- Updated category filters to support hierarchical multi-select behavior matching related products.

### 2.3 CMS widget configuration

- Added per-product-type inner tabs to the Products tab in both widgets.
- Added per-product-type inner tabs to the Return Data tab in both widgets.
- Added per-product-type inner tabs to the Gallery tab in both widgets.
- Added namespace support to the SearchProducts widget so multiple search forms can coexist on the same CMS page.

### 2.4 Storefront widget rendering

- Converted Related Products List to an Owl Carousel layout.

- Converted Related Sub-Products List to an Owl Carousel layout showing up to three items at a time.
- Added Included Accessories heading to the Related Sub-Products List experience.
- Improved card layout consistency and responsive behavior.

#### 2.5 Query and data behavior

- Widgets now apply product-type-scoped conditions when building related-item queries.
- Category exclusions and filters are preserved independently per product type.
- Product status filtering now requires all selected status bits to match.
- Related Sub-Products List now reads the page product context correctly from `sub_default`.
- Hidden or inactive sub-products are filtered out of returned widget data.
- Products without sub-product price rows are no longer excluded when no explicit price range filter is used.

## 3. User-Visible Improvements

| Area | Previous Limitation | Current Behavior |
|---|---|---|
| Admin item selection | Available related items were constrained by same-type assumptions | Admins can link cross-type products and sub-products intentionally |
| Widget configuration | Search conditions and return data settings were effectively single-scope | Each active product type has its own Products, Return Data, and Gallery tab content |
| Storefront layout | Layouts were less polished and less consistent across both widgets | Both widgets use responsive carousels with cleaner presentation |
| Mixed widget instances | Shared DOM ids and data variables risked collisions | Namespaced search widgets support multiple concurrent instances |
| Price-less products | Some products could disappear from results without a price filter | Products remain eligible unless a price range explicitly demands matching price rows |

## 4. Notable Technical Outcomes

- Condition payloads are now stored and processed by product type alias.
- Per-type return field selections are validated and merged into legacy-compatible field arrays.
- Owl Carousel assets are registered from the Gallery module for both widgets.
- Search logic deduplicates merged per-type results before pagination is applied.

## 5. Compatibility Notes

- Existing widgets using the older flat condition structure continue to load because the form migrates legacy conditions into the first active type tab.
- No data migration patch is required for stored widget settings.

- Gallery, Handlebars, and CartManager integrations remain in place and continue to be used by the widget runtime.

> Operationally, this release is designed to increase merchandising flexibility without requiring a rebuild of older related-item widget records.

## 6. Recommended Verification

1. Open both CMS widget forms and verify that Products, Return Data, and Gallery each show per-product-type tabs.
2. Save a widget with different conditions per type and confirm those settings reload correctly.
3. Test both storefront widgets on a page with related items and verify carousel behavior and pricing.
4. Verify that related product and sub-product admin tabs can assign cross-type items.
5. Verify that category tree filtering and product type filtering both work in admin management grids.
6. Verify that products without price rows are still returned when no price range filter is applied.

## 7. Release Result

The related-item widget stack now supports more realistic catalog structures, especially where different product types must be mixed intentionally. Admin configuration is more expressive, storefront output is cleaner, and runtime search behavior is more robust.