# Product / Category Browsing

Product and category browsing should be intuitive, allowing the user to access quickly to the specific product / product category sought.

User Roles: User is the customer

Purpose: *“I wish to see the full product range that Datwyler offers – and then be able to access detailed product information.”*

Scope: All content on the site, integrating Parco, Double E, Olympian and TST.

General Description: Ability on the site to see and access the full range of Datwyler GI product categories, and within each category, the applicable product solutions.

## Functional Requirements

Product and category browsing allows users to:

* Access specific product information from across the GI portfolio
* Access product information via a hierarchy of product categories
* Be able to easily visualize all categories and underlying product types at a glance

### Browsing categories:

Requirement 1: Users shall be able to browse the full range of GI product categories and subcategories, in the order as noted below:

Datwyler sealing /:

**-O-Rings** / :

. Contact media (include O-Rings, O-Ring kits, and Back-Up Rings), then materials, then compounds, then standard and non-standard

**-Custom Molded Seals** /

-/ Parco Custom Moulded Rubber Seals

-; Double E Custom Moulded Seals

**-Rubber to Metal Bonded** Seals/

- / Parco Rubber to Metal Bonded Seals

-; Double E Rubber to Metal Bonded Seals

**-Machined Metal** /

- Olympian Machined Metal

-; TST Machined Metal

-; Double E Machined Metal / Materials, Sample Parts

-**Surface production equipment** /

Blow Out Preventer / Double E LP; LP15; HP5; HP10; Rams; Replacement Parts

-Oil Saver / Double E Type C: Type CL: Type 410: Type MT: Replacement Rubbers: Replacement Bushrings

- Cap King/ Double E Cap King: Dual Cap King; Replacement Parts; - Stuffing Box / Double E Standard;, H25;, Replacement Parts

-Sucker Rod Strippers / Double E Standard;, Rod Tabled; Rubber Packing

-Machined Themoplastic

**-** TST Materials; Sample Parts

Requirement 2: Users shall be able to browse topline descriptions of consistently presented product information, both static and dynamic. Content must be accessible via a product category or the applicable Datwyler product brand.

Requirement 3: Users shall be able to browse detailed, specific product information at specific specification level, both static and dynamic. The user shall be able to download and share detailed summary sheets per story 3, in situations both with and without data capture requirements

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Descrição gerada automaticamente

Requirement 4: Users shall be able to select and compare the attributes of different O-Ring solutions. The comparison outcome should be shareable as well as downloadable

Requirement 5: Users shall be able to browse products using multiple filters:

-Filter by product category – within O-Rings: O-Ring, Kits, back-up rings

-Filter by material (O-Rings-specific – NBR, HNBR, EPDM, VMQ, CR, IIR, FKM, FVMQ)

-Filter by hardness

-Filter by contact media (O-Ring-specific – oils, steam, weather / UV, fuels, acids/solvents, bases)

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-Filter by application (static vs. dynamic uses, along with an explanation of what each entails) as well as filter by contact medium)

-Filter by measurement type (metric vs. inches)

-Filter by ID, width and OD – drop down by range

-Filter by what’s new – latest additions to range

-Filter by dash number

-Filter by colour

-Filter by origin

-Filter by temperature, max and min (use ranges, choose between C and F)

-Filter by ID and OD

-Filter by standard (separate out

-Filter by compliance

## User Interface (UI) Requirements

Requirement 1: All categories and product subcategories shall be visible on any given page without any page manipulation.

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Descrição gerada automaticamente

Requirement 2: Categories and their underlying products should be a unique navigation menu item on any site navigation bar.

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Descrição gerada automaticamente

Uma imagem com texto, captura de ecrã, Tipo de letra, Página web

Descrição gerada automaticamente

Requirement 3: The user should at all times be able to easily view where he/she is located in the product category hierarchy and be able at all times to jump between categories and products



Requirement 4: On all pages there should be a clear call to action – request a price/quote, access data-dependent content and / or request to be kept informed of updates

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Descrição gerada automaticamente

Requirement 5: The user should be able to filter products by the applicable attributes (with an explanation of each attribute) in the given category to get a shortened list of products of interest within the category

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## User Experience (UX) Requirements

Requirement 1: Accessing the desired product category and product itself must be no more than 2 clicks from the site homepage

## Performance Requirements

N/A

## Security Requirements

Requirement 1: Where customer data is requested, a secure link between the site and CRM is required

## Integration Requirements

Requirement 1: As above

## Testing Requirements

Requirement 1: Test cases shall be developed to validate the product browsing feature thoroughly.

Requirement 2: User acceptance testing (UAT) shall be conducted to ensure the feature meets user expectations.

## Constraints

Legal and Regulatory Requirements

Requirement 1: Where customer data is required, data capture needs to be managed in line within US / CA and EU guidelines

### Technical details / product display page:

Requirement 1: Users shall be able to access technical details for the full range of GI product categories and subcategories :

* A date that information was provided
* The brand offering the solution
* A topline and link to relevant thought leadership relating to the product
* A topline and link to the latest news and developments relating to the category
* A call to action to find out more – request a quote, access data-dependent content (test reports, also accessible via MyAccount; accessing test reports from product display page requires same customer data input as a request for contact) and / or request to be kept informed of updates .
* For O-Rings:
  + The item number for ordering (from the ERP, via the PIM)
  + The definition of the material (from the ERP, via the PIM)
  + The operating temperature (from the PIM)
  + Product certifications
  + Application areas
  + Material description / type (for Viton)
  + Product properties: Hardness, tensile strength, elongation, compression set, hardness after storage at hot temperatures, hardness after depositing in IRM 901; values and testing method for each, curing, low temperature flexibility (from the PIM, hardness from ERP)
  + Compound number and description (from the ERP, via the PIM)
  + Colour (from the ERP, via the PIM)
  + Dynamic content showing the product in action, where applicable
  + Customization possibilities
  + Key benefits
  + Where to order
* For other products:
  + O-Ring Kits – description, parts included, size, inside diameter, cross-section, quantity per kit key benefits, item number, where to order (all from PIM)
  + Back-up Rings – description, application, material, compound, harness, colour, key properties, dash number, ID, TOL, R, T; A, TOL; W, TOL, customization possibilities, key benefits, item number, where to order (all from PIM)
  + Custom molded rubber seals – description, , types (packing elements, compensators), size, thickness, materials, temperature range, compound, customization possibilities, key benefits, item number, where to order (all from PIM)
  + Rubber to metal bonded – description, , size, thickness, customization possibilities, key benefits, item number, where to order (all from PIM)
  + Machined metal – description, application, product type, material, size, tolerance, services (coatings available, plating available, additional services), lathe available, saw available, milling available, hone available, EDM available, capabilities, customization possibilities, key benefits, item number, where to order (all from PIM)
  + Machined thermoplastic – description, , material, temperature resistance, size (diameter/length), customization possibilities, key benefits, item number, where to order (all from PIM)
  + Surface production equipment:
    - Blow Out Preventers – description, parts included, application, service, certification, type, pressure rating, ram size, connection type, thread size, PSI rating, vertical bore, rod size compatibility, customization possibilities, key benefits, item number, where to order (all from PIM)
    - Blow Out Preventer replacement rams – type, size, rod size, service, key benefits, item number, where to order (all from PIM)
    - Hydraulic Action Oil Savers – description, parts included, application, model type, test pressure, working pressure, weight, height, elastomer, bushing material, minimum bore, thread size, customization possibilities, key benefits, item number, where to order (all from PIM)
    - Hydraulic Action Oil Savers, replacement parts – rubber type, size; bushing type, size key benefits, item number, where to order (all from PIM)
    - Cap King Oil Savers - description, parts included, application, test pressure, working pressure, weight, height, service, thread size, customization possibilities, key benefits, item number, where to order (all from PIM)
    - Cap King Oil Savers, replacement parts – product type, parts included, key benefits, item number, where to order (all from PIM)
    - Stuffing Boxes –description, type, parts included, rod size, service, working pressure, model number, weight, material, temperature range, customization possibilities, key benefits, item number, where to order (all from PIM)
    - Stuffing Boxes, replacement parts – box main part description, quantity, number; bushing and rubber component size, bushing number, V-Ring upper packing set number, lower packing number, material; key benefits, where to order (all from PIM)
    - Sucker Rod Strippers – description, type, weight, height, minimum bore, thread size, customization possibilities, key benefits, item number, where to order (all from PIM)
    - Sucker Rod Strippers, replacement parts – type, size, key benefits, item number, where to order (all from PIM)
    - Rod Guides – description, parts included, application material, tubing, sucker rod outside diameter, guide outside diameter, box quantity, box weight, key benefits, item number, where to order (all from PIM)

Requirement 2: The user shall be able to download and share the detailed info.

Requirement 3: The user should be able to click to find out more / get a quote, and define what is requested – follow-up, and / or a price.

## User Interface (UI) Requirements

Requirement 1: Data capture for contact should accompany each product summary

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Descrição gerada automaticamente

## User Experience (UX) Requirements

Requirement 1: The detailed product display should be covered in one page / within one screen

Requirement 2: Clicking the “find out more / get a quote” button should give the user the ability to choose what step is requested. data capture form should appear without requiring the user to leave the page

# Product technical details - Product Display Page

Product technical details should be consistently and clearly presented, at a topline and at a detailed level, with a simple call to action to obtain further information.

Purpose: “I wish to easily review and compare detailed product information so that I can be sure the select the best solution for my needs.”

User Roles: User is the customer

Scope: All content on the site, integrating Parco, Double E, Olympian and TST.

General Description: Ability on the site to find and access detailed product information across the full GI offer, as well as easily request follow-up info and / or engagement.

## Functional Requirements

Product technical details provide the user with a detailed overview of the given product.

### Technical details / product display page:

Requirement 1: Users shall be able to access technical details for the full range of GI product categories and subcategories :

* A date that information was provided
* The brand offering the solution
* A topline and link to relevant thought leadership relating to the product
* A topline and link to the latest news and developments relating to the category
* A call to action to find out more – request a quote, access data-dependent content (test reports, also accessible via MyAccount; accessing test reports from product display page requires same customer data input as a request for contact) and / or request to be kept informed of updates .
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  + Compound number and description (from the ERP, via the PIM)
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Requirement 2: The user shall be able to download and share the detailed info.

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## User Interface (UI) Requirements

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## User Experience (UX) Requirements

Requirement 1: The detailed product display should be covered in one page / within one screen

Requirement 2: Clicking the “find out more / get a quote” button should give the user the ability to choose what step is requested. data capture form should appear without requiring the user to leave the page

3.4 Security Requirements

Requirement 1: Where customer data is requested, a secure link between the site and CRM is required

Requirement 2: Where product data is requested, a link to a PIM, and in turn to the ERP, are required

## Integration Requirements

Requirement 1: As above

## Testing Requirements

Requirement 1: Test cases shall be developed to validate the product description feature thoroughly.

Requirement 2: User acceptance testing (UAT) shall be conducted to ensure the feature meets user expectations.

## Constraints

Legal and Regulatory Requirements

Requirement 1: Where customer data is required, data capture needs to be managed in line within US / CA and EUJ guidelines