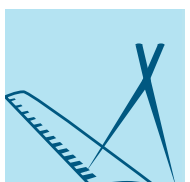
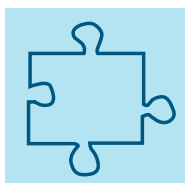
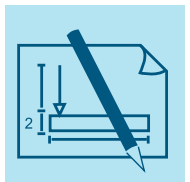
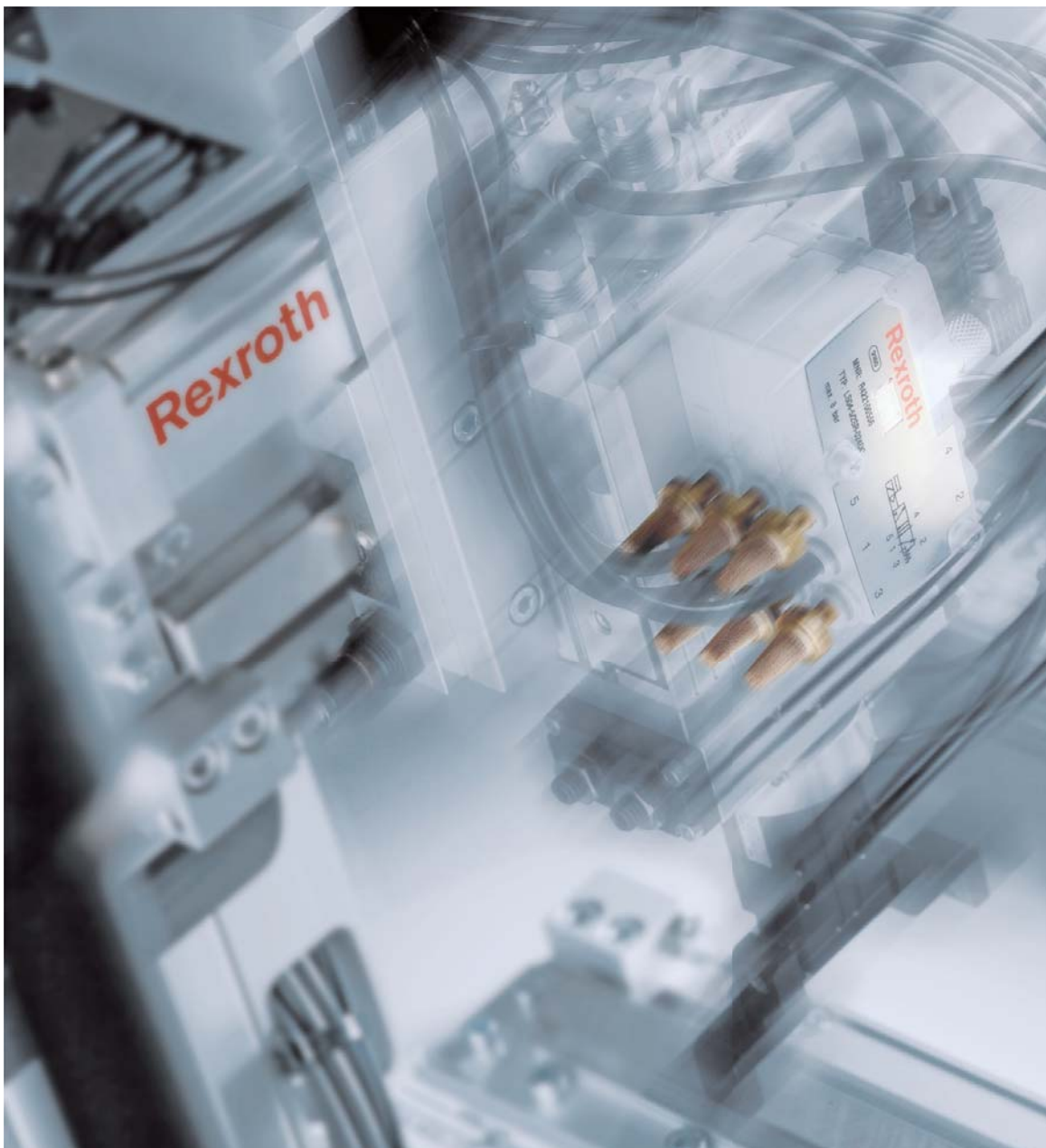


Engineering Tools Pneumatics

► English



Entire program in the online catalog

Our entire product range is available in the online catalog at:
www.boschrexroth.com/pneumatics-catalog.

Our online catalog not only offers up-to-the-minute and comprehensive product information but also a wide range of proven, free-of-charge engineering tools, including our unique configurator and energy consumption calculator.

Core program on DVD

You can receive an electronic version of our catalog including all important technical information from your respective Bosch Rexroth sales and service organization or sales partner. The catalog is available on DVD in seven languages.

- ▶ Search, advanced search
- ▶ CAD data
- ▶ ICS-based configuration
- ▶ Shopping basket/project list
- ▶ PDFs of series and individual product data sheets

With the DVD catalog, you can also work offline on your PC. Comprehensive additional functions are also available, as well as the complete catalog contents.

The DVD set-up is similar to the online catalog. To navigate, just follow the instructions on the following pages.



Do you want to search for your product in the online catalog?

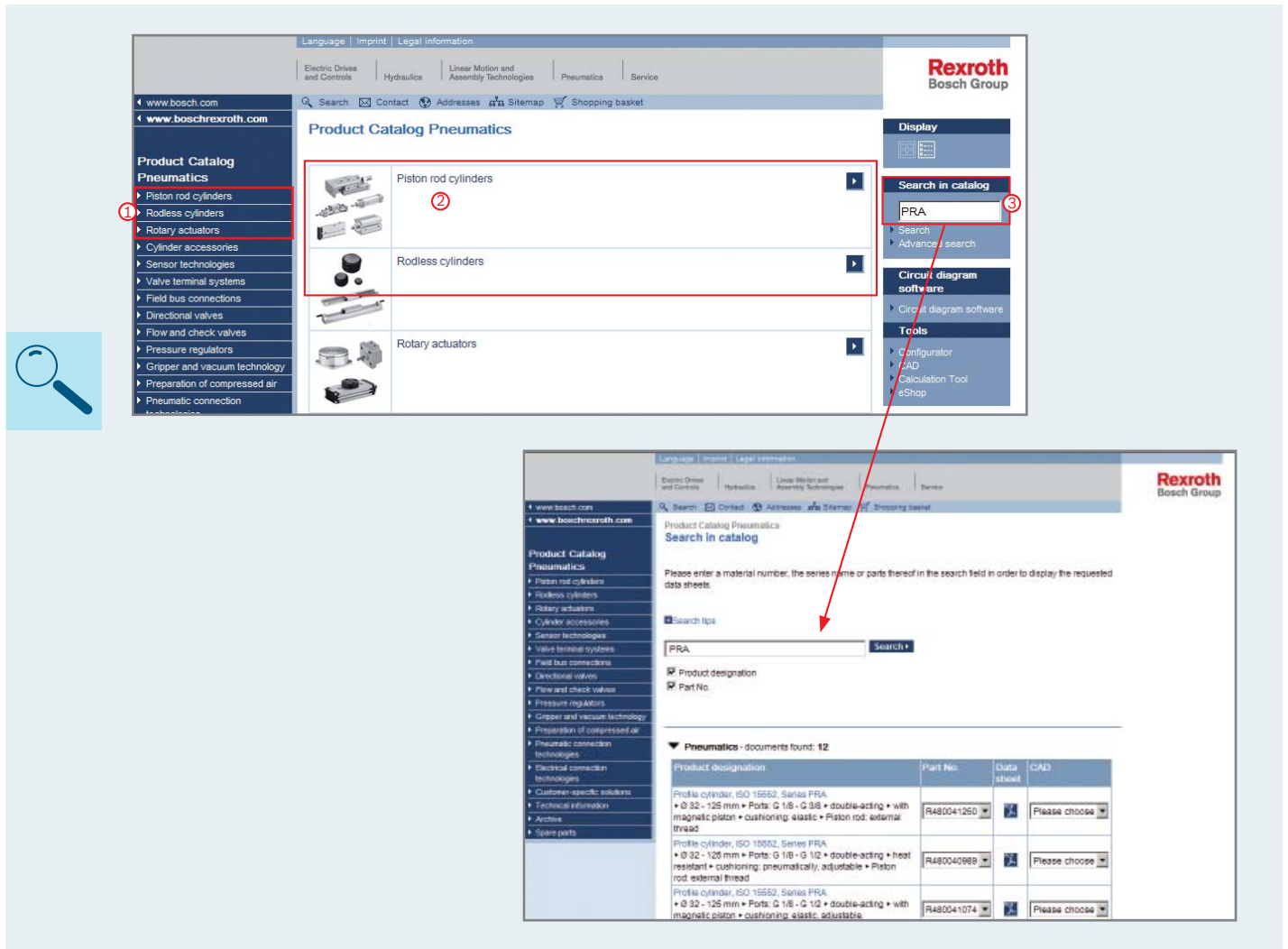
Open the online catalog:
www.boschrexroth.com/pneumatics-catalog

Method 1:

→ Navigate to the desired product from the homepage of the online catalog via the product designations (1) on the left or via the tiles (2) in the middle of the page.

Method 2:

→ Enter a part number or search term in the search field (3) in the upper right-hand corner of the online catalog homepage. A search term can be a series name (PRA) or a key term (ATEX, ISO cylinder).



Do you want to configure your product?

Open the online catalog.

Method 1:

- Click “Configurator” in the right-hand navigation pane (1).
- In the new window, click your product (2).
- Now click the arrow symbol to the right of the product (3).

A new window will open. Sign in. You can now configure your product.

Method 2:

- Navigate to your desired product. You are now in the data sheet.
- Click the Configurator/CAD symbol (4).
- Sign in. You will now enter the product configurator.
- The previously selected parameters will be taken over.
- Enter the desired stroke length and click the arrow symbol.

You can now configure your product.

The image shows a collage of screenshots from the Bosch Rexroth Pneumatics Product Configurator website. The screenshots illustrate the steps for configuring a product:

- Product Catalog Pneumatics:** Shows the navigation pane with 'Configurator' highlighted (1).
- Interactive Designer Product Configurator:** Shows the product selection screen with 'Piston rod cylinders' selected (2).
- Configuration Options:** Shows the 'Threads' and 'Cushioning' options being configured.
- Optional stroke lengths and options:** Shows a table of stroke lengths and options, with the 'Configurator' icon highlighted (4).
- Product Information:** Shows the detailed configuration page for a PRA-DA-040-0105-0-2-2-1-1-2-BAS cylinder, including the list price and product information.



Do you need a CAD drawing?

Open the online catalog.

Method 1:

→ Enter the part number in the search field on the upper right-hand side (1).

You will receive a list of search results.

→ Go to the “CAD” column in the table and choose the desired part number from the list (2). A new window will open.

You can now download the CAD drawing in various formats.

Method 2:

→ Click “CAD” in the right-hand navigation pane (3).

→ Choose your product (4).

You will be referred to the overview of variants.

→ Click the desired variant (5).

You are now in the data sheet.

→ Click the desired part number (6).

→ Choose CAD.

You can now download the CAD drawing in various formats.

The image is a collage of screenshots from the Rexroth online catalog, illustrating the process of finding and downloading a CAD drawing. The screenshots are annotated with red numbers 1 through 6, corresponding to the steps in the text.

- 1:** The search field on the main catalog page.
- 2:** The search results table, specifically the 'CAD' column.
- 3:** The 'CAD' button in the right-hand navigation pane of the interactive designer.
- 4:** The 'Main' section of the interactive designer showing product categories.
- 5:** A specific product variant selected in the interactive designer.
- 6:** A part number selected in the data sheet table.

The data sheet table shows the following columns: Piston rod thread, Ports, Piston rod Ø, Stroke, and Part No. The selected part number is 0822120001.

Piston rod thread	Ports	Piston rod Ø	Stroke	Part No.
M10x1,25 G 1/8	G 1/8 1/2	10	85	0822120001
M12x1,25 G 1/4	G 1/4 1/2	10	80	0822120002
M16x1,5 G 1/4	G 3/8 1/2	20	100	0822120003
M16x1,5 G 3/8	G 3/8 1/2	20	125	0822120004
M16x1,5 G 3/8	G 3/8 1/2	20	160	0822120006

The data sheet also includes a 'Download area' with options for 2D CAD (DXF) and 3D CAD (STEP, IGES, SAT) for the selected part number.

Do you need a cylinder with optional stroke length?

If you need a cylinder with an optional stroke length, you can also receive CAD data for that product.

- Click the Configurator/CAD symbol.
- Enter the desired stroke length.
- Click the double arrow.
- Select 2-D or 3-D files in the right-hand navigation.

A new window will open. You can now generate a preview or request a CAD model.

The image shows a multi-step process in a web configurator for pneumatic cylinders. It includes a table of optional stroke lengths, a form to input a stroke length, a navigation menu, and a 3D CAD model of the cylinder.

Stroke Length (mm)	Product Code 1	Product Code 2	Product Code 3	Product Code 4
80	0822120003	0822121003	0822122003	0822123003
100	0822120004	0822121004	0822122004	0822123004
125	0822120005	0822121005	0822122005	0822123005
160	0822120006	0822121006	0822122006	0822123006
200	0822120007	0822121007	0822122007	0822123007
250	0822120008	0822121008	0822122008	0822123008
320	0822120009	0822121009	0822122009	0822123009
400	0822120010	0822121010	0822122010	0822123010
500	0822120011	0822121011	0822122011	0822123011

Stroke Configuration Window:
 Pneumatic cylinder PRA-DA-032--0-
 Stroke in mm: L = mm (min/max = 1 / 1600)

Product Information Menu:
 Product information
 ▶ Description
 ▶ Product data sheet
 ▶ Dimensional drawing
 ▶ Position drawing
 ▶ 2D CAD
 ▶ 3D CAD
 Project
 ▶ New
 ▶ Open
 ▶ Import
 ▶ Save
 Pneumatic cylinder
 ▶ Series: PRA

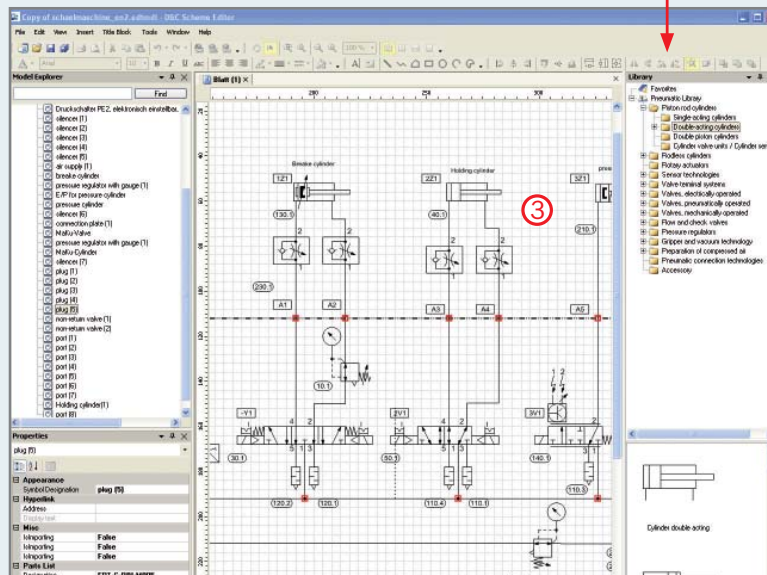
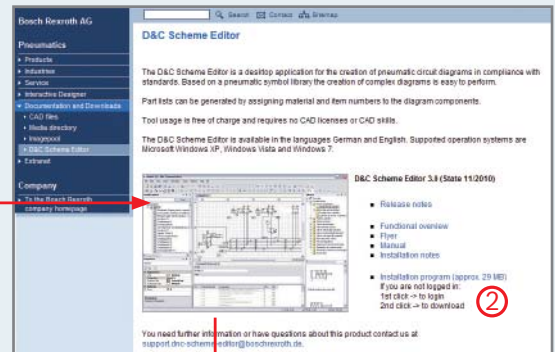
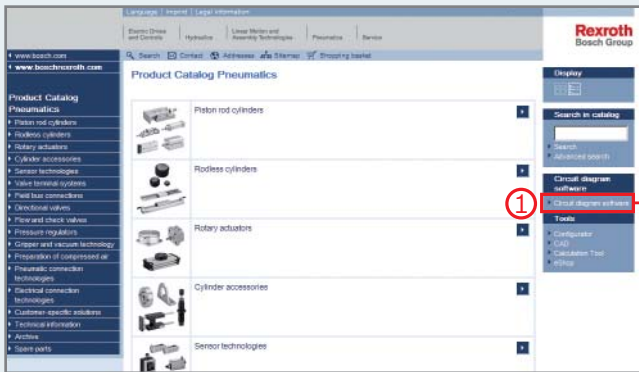
3D CAD Configuration Window:
 Pneumatic cylinder PRA-DA-032-0105-0-1-2-1-1-1-BAS
 3D CAD
 Piston rod position: mm (min./max. = 0/105)
 PDF3D preview ▶ Generate preview ▶
 CAD target system: Pro/E
 3D export formats: STEP, IGES, Parasolid, VDA, CATIA V4, CATIA V5, SAT, PDF3D
 When importing into Pro/Engineer select within the menu "file" the entry "Open" and in the field "Type" the entry "Step"
 The model dimensional unit: mm, inch, m
 Module consolidation: without, All
 Compression: None, WinZIP
 Maximum file name length:
 Your e-mail address:
 Request CAD model ▶ Download CAD model ▶

3D CAD Model Window:
 Pneumatic cylinder PRA-DA-032-0105-0-1-2-1-1-1-BAS
 3D CAD model of the cylinder.

Do you need a circuit diagram for your product?

Open the online catalog.

- Click “Circuit diagram software” in the right-hand navigation level (1).
- Click “Installation program” (2) to install the D&C Scheme Editor. You now have all the functions you need to create pneumatic circuit diagrams.
- An example is shown below (3).



Do you want to calculate your product?

Open the online catalog.

Method 1:

- Click “Calculation Tool” in the right-hand navigation pane (1).
- Choose your product and click the arrow symbol (2).

A new window will open. Here you can enter the required information and then calculate your product.

Method 2:

You can also reach the calculation tool via the series overview or via the data sheet.

- On the series overview page, click the calculation tool symbol (3) or “Calculation Tool” in the right-hand navigation pane of the data sheet (4).

A new window will open. Here you can enter the required information and then calculate your product.

The image is a collage of screenshots illustrating the process of accessing the calculation tool. It shows the 'Product Catalog Pneumatics' page with navigation options like 'Search in catalog', 'Circuit diagram software', and 'Tools'. A red circle (1) highlights the 'Calculation Tool' option. Another screenshot shows the 'Product Calculation System' interface with a red circle (2) on a navigation arrow. A third screenshot shows the 'ISO 15552, series PRA' product page with a red circle (3) on a calculation tool icon. A fourth screenshot shows the 'Profile cylinder, ISO 15552, Series PRA' data sheet with a red circle (4) on the 'Calculation Tool' link in the navigation pane. The final screenshot shows the 'Piston rod calculation program' interface with various input fields for 'Workpiece', 'Application', 'Supply pressure', 'Stroke', and 'Cylinder' type.

Do you want to calculate the air consumption of your machine?

Open the online catalog.

- Click “Calculation Tool” in the right-hand navigation pane (1).
- Click “Save energy” or the arrow symbol (2).

You can now enter the required information and then calculate the air consumption.

The screenshot illustrates the process of accessing the calculation tool. It starts with the 'Product Catalog Pneumatics' interface, where the 'Calculation Tool' is selected in the navigation pane. This leads to a grid of product categories, where the 'Energy saving' category is highlighted. The final part of the image shows the 'Air consumption for a machine' calculation tool, which includes a 'Field for customer notes', input fields for operating hours, energy price, and compressor data, and a table for input parameters such as number of cylinders, cylinder type, diameter, stroke, supply pressure, return stroke, frequency, tube diameter, and tube length. The output fields show average air consumption in l/min, m³/h, and Nm³/year, along with estimated costs in EUR.

Input:										Output:		
Description:	Number of cylinders:	Cylinder-type:	Cylinder diameter:	Stroke (mm):	Supply pressure, P1 (bar)	Supply pressure, Return stroke, P2(bar)	Frequency (c/min):	Tube inner diameter (mm):	Tube length (m):	Air consumption (l/min)		
	1	Piston rod cylinder (double acting)	32	0	0	0	0	0	0	0.0	+	

Average air consumption (l/min):	0.0
Average air consumption (m³/h):	0.0
Total air consumption (Nm³/year):	0.0
Estimated cost/year:	0.0 EUR

Do you want to find the price of your desired product and its delivery date?

Open the online catalog.

- Navigate to your desired product.
- Click the desired part number.
- Now click “in the shopping basket”.
- Click “OK” to confirm.
- Now click “Shopping basket” in the upper navigation pane.

You will be referred to the shopping basket.

Here you can find all the information.

1 product(s) has been added to your shopping basket. Now the basket contains 1 item(s).

OK

Language | Imprint | Legal information

Electric Drives and Controls | Hydraulics | Linear Motion and Assembly Technologies | Pneumatics | Service

Search | Contact | Addresses | Sitemap | Shopping basket

Profile cylinder, ISO 15552, Series PRA

► Ø 32 - 125 mm ► Ports: G 1/8 - G 1/2 ► double-acting ► with magnetic piston
► cushioning: elastic, adjustable, pneumatically ► Piston rod: external thread ►

Standards	ISO 15552
Compressed air connection	internal thread
Working pressure min./max.	1,5 bar / 10 bar
Ambient temperature min./max.	-20°C / +80°C
Medium temperature min./max.	-20°C / +80°C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m ³ - 5 mg/m ³
Pressure for determining piston forces	6,3 bar

Shopping basket icon

Warenkorb | Reparatur | Nutzungsbedingungen | Anmelden

Home | eShop | Produkte | Kontakt | Hilfe

Bestellung | Reparatur Order

Katalog suchen | Suchen | Warenkorb (1) | Mein Konto | Liefers | Chats | Hilfe

1 Warenkorb | 2 Kundendaten | 3 Bestellen / Anfragen | 4 Bestätigung

Ihr Warenkorb

Warenkorb	Verwendetes Datum	10.07.2011	Währung in EUR
Stück	Einheit	Verwendetes Datum	Währung in EUR
1	ST	10.07.2011	88,38
1	ST	10.07.2011	88,38
Summe			176,76

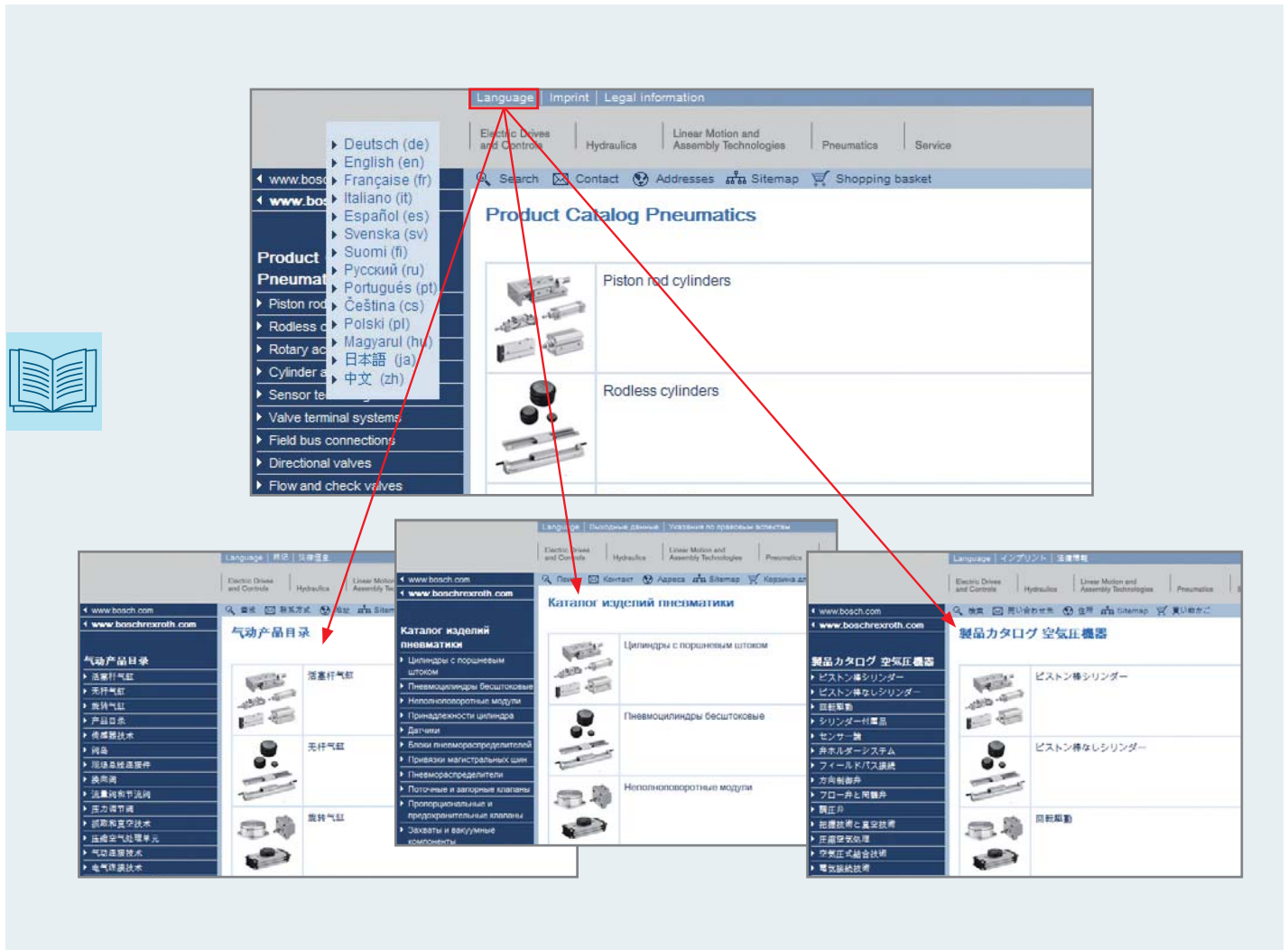
Ausgewählte Positionen löschen | Ausgewählte Positionen anfragen | Warenkorb als Merkmal speichern

Do you need product data in another language?

Open the online catalog.

- In the upper navigation pane of the page, click “Language”.
- Choose a language.

All pages are shown in the selected language.



Do you need in-depth technical information?

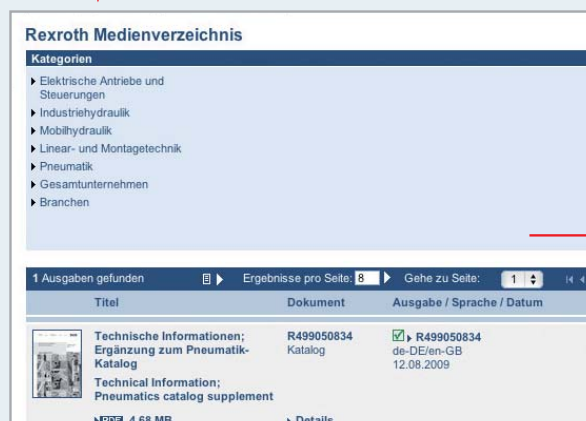
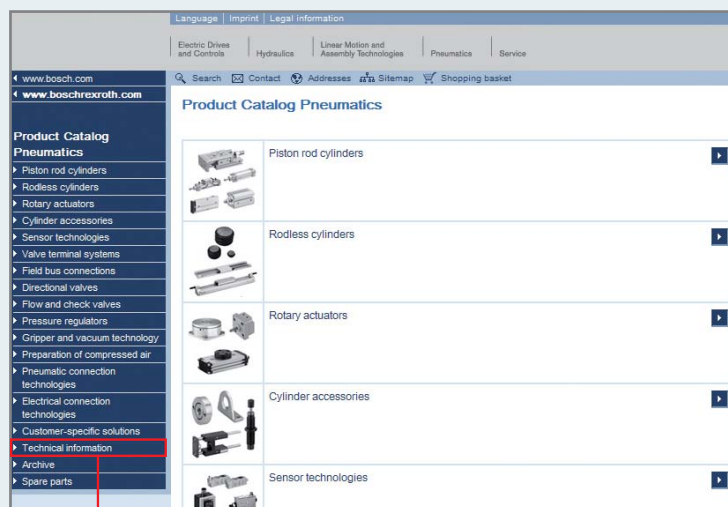
Open the online catalog.

→ In the left-hand navigation pane, click “Technical information”.

This takes you to the Bosch Rexroth media directory. A new window will open. There you can download the information as a PDF document.

You can access important operating instructions such as:

- Applicable directives
- Storage and transport
- Compressed air quality
- Connection threads
- Intended use and system versions



Do you need a product that you can no longer find in the online catalog?

Open the online catalog.

- In the left-hand navigation pane, click “Archive”.
- Enter your search term in the new window.
- Click “Search”. You can search according to the series designation or a specific part number.

A hit list will be displayed.

You can now select your product and download the technical data sheets.

If there is a direct successor series for the product, you can call it up using the “Successor series” button.

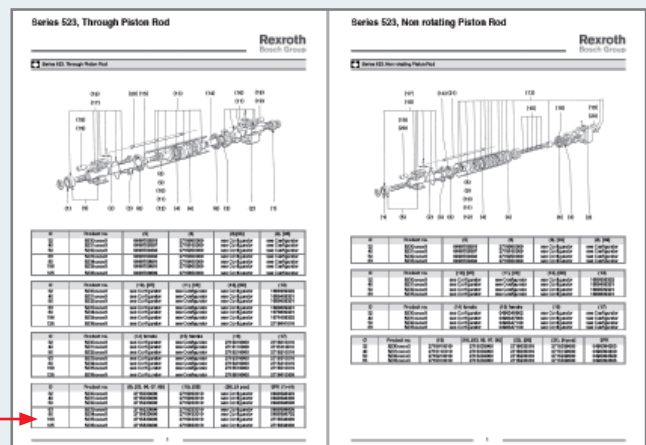
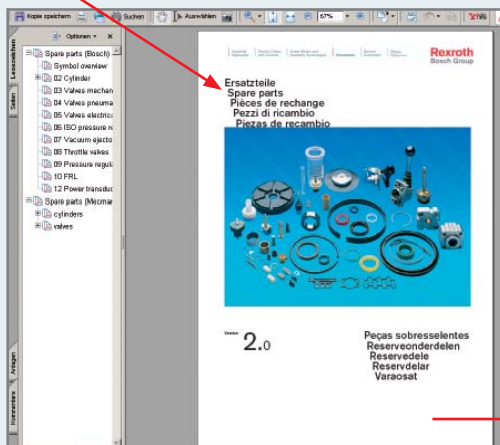
The screenshot shows the Bosch Rexroth website interface. On the left, a navigation menu highlights the 'Archive' section. The main content area displays 'Product Catalog Pneumatics' with categories like Piston rod cylinders, Rodless cylinders, Rotary actuators, and Cylinder accessories. A search window is open, showing a search for 'PRB'. Below the search results, a table lists various 'Profile cylinders, series PRB' with columns for 'Data sheet' and 'Successor series'. A red box highlights the 'Successor series' column, and a red arrow points to a specific product entry. To the right, a detailed technical data sheet for 'Profile cylinders, series PRA, PRB' is shown, including technical specifications and a table of dimensions. Another red arrow points from the 'Successor series' button in the search results to the 'Technical Information' section of the PRA/PRB data sheet.

Do you need a spare part for your product?

Open the online catalog.

→ In the left-hand navigation pane, click “Spare parts”.

You can now download a file that provides information on our spare part range.



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