



## ONLINE SERVICES

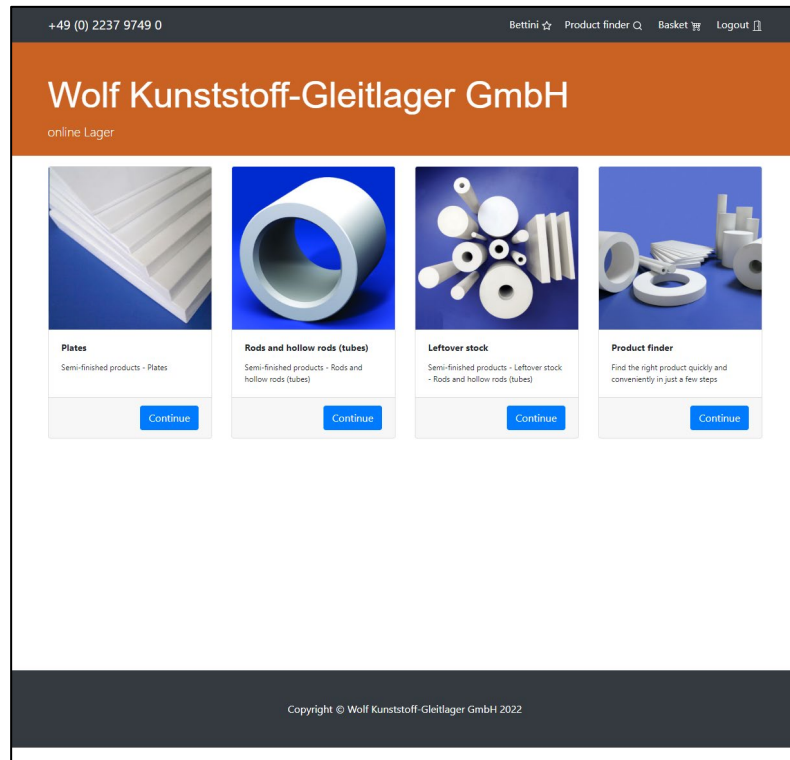


**LEARN MORE ABOUT OUR  
ONLINE SERVICES FOR YOU**





# WAREHOUSE



## NAVIGATION PAGE

After you have logged in with your account, you will get an overview

- Plates
- Rods and hollow rods (tubes)
- Leftover stock
- Product finder (coming soon)

You find it here: <https://lager.zedex.de>



## ONLINE SERVICES



# OVERVIEW

The collage shows multiple overlapping screenshots of the 'Wolf Kunststoff-Gleitlager GmbH' online warehouse interface. The main header in all screenshots is 'Wolf Kunststoff-Gleitlager GmbH' with a phone number '+49 (0) 2237 9749 0' and a 'Logout' button. The screenshots display different sections: 'Warehouse /Plates', 'Warehouse /Rods and hollow rods (tubes)', and 'Warehouse /Leftover stock'. Each section includes a 'Warehouse stock' table with columns for Materials, Item number, Description, Dimension, Inner DIA, Outer DIA, Weight per piece, and Amount. The 'Warehouse /Leftover stock' table is the most prominent, showing a list of items with their respective specifications.

## EXPORT

The current selection can be exported with one click (.xlsx or .csv)

This screenshot shows the 'Warehouse /Plates' section of the online warehouse. It features a 'Warehouse stock' table with columns for Materials, Item number, and Description. Above the table, there are 'Format' and 'Export' buttons. A dropdown menu is open under the 'Format' button, showing 'Excel' and 'Csv' options. The table contains several rows of data, including 'ZEDEX newlife PVDF' and 'ZEDEX newlife HZPF50D0201000L2000'.

## FILTER

You have the possibility to filter the displayed products by material

This screenshot shows the 'Warehouse stock' section with a filter dropdown menu open. The 'Materials' option is selected, and a list of materials is displayed with checkboxes. The list includes: 'ZEDEX newlife PVDF', 'ZX-100ESD-D2', 'ZX-100K', 'ZX-324', 'ZX-324 black', 'ZX-410', 'ZX-530', and 'ZX-550'. The 'ZEDEX newlife PVDF' and 'ZX-100ESD-D2' items are checked.





# UPCOMING FEATURES V2

+49 (0) 2237 9749 0 Bettini Product finder Q Basket Logout

## Wolf Kunststoff-Gleitlager GmbH

online Lager

### Warehouse /Plates

Semi-finished products Plates

Warehouse stock

Material	Item number	Description	Dimension	Thickness [mm]	Inner DIA. [mm]	Outer DIA. [mm]	Weight per piece [kg]	Amount [m]			
ZEDEX newlife PVDF	HZPF5D020100L200	Sheet made of ZEDEX new life PVDF	Thickness: 10mm +0.2+1.1mm	10,00	0	80	5,695	0,85	?	🔍	🛒
ZEDEX newlife PVDF	HZPF5D040100L200	Sheet made of ZEDEX new life PVDF	Thickness: 20mm +0.3+1.5mm	20,00	40	105	6,600	0,60	?	🔍	🛒
ZX-100ESD-DZ	HZP754050032			25,00							
ZX-100K	HZPA1K004012	Sheet made of ZX-100K	dims: 2.0x1000x2000mm	2,00	40	105	11,000	1,00	?	🔍	🛒
ZX-100K	HZPA1K005012	Plate made of ZX-100K	DIMS: 2.5x1000x2000mm	2,50							
ZX-100K	HZPA1K006012	Sheet made of ZX-100K	Dims: 3.0 (+/- 0.2) mm	3,00	70	90	1,870	0,44	?	🔍	🛒
ZX-100K	HZPA1K008012	Sheet made of ZX-100K	Dims: 4.0 (+/- 0.2) mm	4,00							
ZX-100K	HZPA1K010012	Sheet made of ZX-100K	Dims: 5.0 (+/- 0.25) mm	5,00	70	90	4,250	1,00	?	🔍	🛒
ZX-100K	HZPA1K012012	Sheet made of ZX-100K	Dim: 6.0x1000x2000mm	6,00							
ZX-100K	HZPA1K020032	Plate made of ZX-100K	dims: 10.0x 625x2000mm	10,00	50	280	12,699	0,15	?	🔍	🛒
ZX-100K	HZPA1K020062T	Plate made of ZEDEX-100K	DIM: 10.0x 625x2000mm	10,00	625	2000	20,500	3	🔍	🛒	🛒
ZX-100K	HZPA1K0200912	Sheet made of ZEDEX-100K	Dims: 10x1000x2000 mm	10,00	1000	2000	31,600	22	🔍	🛒	🛒
ZX-100K	HZPA1K024012	Sheet made of ZX-100K	dims: 12.0x1000x2000mm	12,00	1000	2000	38,900	3	🔍	🛒	🛒
ZX-100K	HZPA1K030062SB01	Plate made of ZX-100K	DIM: 15.0x 610x2000mm	15,00	610	2000	27,774	1	🔍	🛒	🛒
ZX-100K	HZPA1K030062T	Plate made of ZEDEX-100K	DIM: 15.0x 625x2000mm	15,00	625	2000	28,000	6	🔍	🛒	🛒
ZX-100K	HZPA1K0300912	Sheet made of ZEDEX-100K	Dims: 15.0 x 1000 x 2000mm	15,00	1000	2000	46,900	1	🔍	🛒	🛒
ZX-100K	HZPA1K036032			18,00	370	2000	20,020	13	🔍	🛒	🛒
ZX-100K	HZPA1K036072			18,00	625	2000	36,000	7	🔍	🛒	🛒

## ASK US



Ask a product specific question directly

## CALCULATE



Directly submit a product specific price request

## SHOPPING CART



Add the product to your shopping cart



ONLINE SERVICES

All requests will be answered by your personal agent



# UPCOMING FEATURES V2

**Parameter**

**Rods and hollow rods (tubes)**  **Plates**

Material: ZX-100K

Required amount: 1000 Meter

Outer diameter: 50 Millimeter + max. 10 %

Inner diameter: 0 Millimeter - max. 50 %

Min. piece length: 10 Millimeter

stock items only

[Check availability](#)

Material: ZX-100K, Required amount: 1.000,00m, Outer diameter: 50,00mm (+5,00mm), Inner diameter: 0,00mm (-0,00mm), Min. piece length: 10,00mm

Source	Item number	Inner DIA [mm]	Outer DIA [mm]	Amount [m]	Weight per metre [kg]	Weight [kg]	estimated delivery EXW			
1	Leftover stock	HZSA1K100	0	50	1,44	2,880	4,147	16.03.2023		<input type="checkbox"/>
2	Leftover stock	HZSA1K100	0	50	1,92	2,880	5,530	16.03.2023		<input type="checkbox"/>
3	Warehouse	HZSA1K100	0	50	107,71	2,880	310,216	16.03.2023		<input type="checkbox"/>
4	New production	HZSA1K100	0	50	889,00	2,880	2560,320	13.04.2023		<input type="checkbox"/>

Total: 1000,07 Meter (theoretical weight 2880,213 kg)

## FIND THE PRODUCT YOU NEED

With the product finder you can directly find rods, hollow-rods and plates according to your needs.

## SUITABLE POSITIONS

If your required quantity is not in stock, our system will suggest you suitable positions as well as the new production of the possibly missing quantity. Subsequently, you can directly generate an order of your selection.

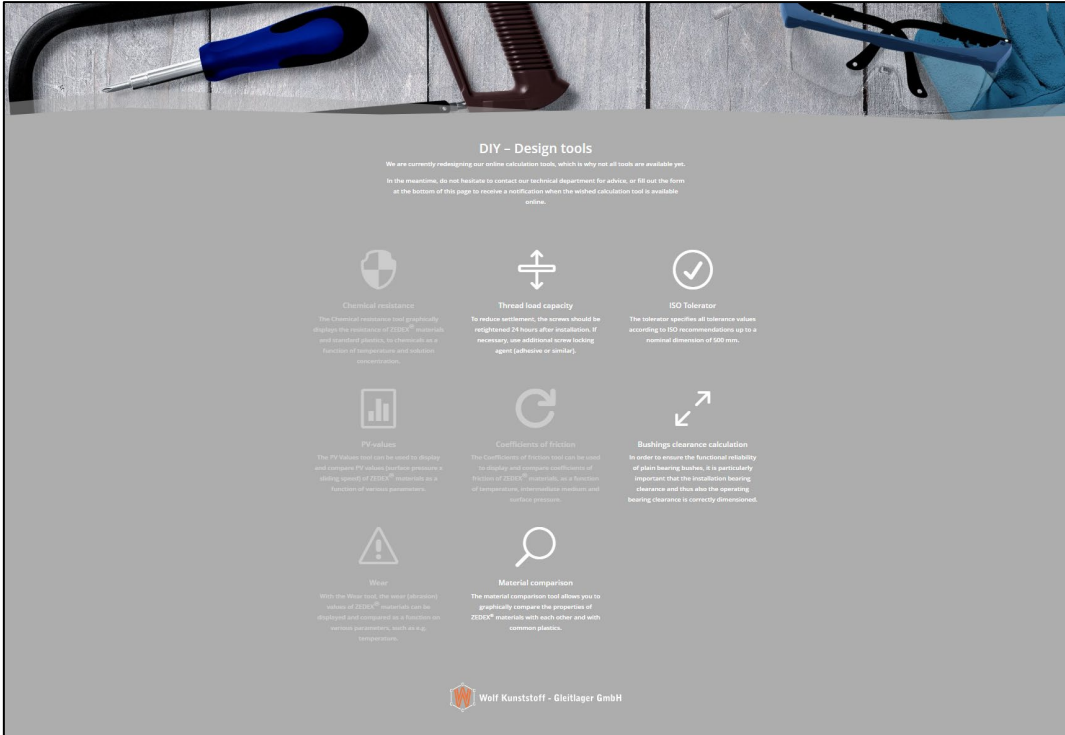
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ONLINE SERVICES



# DESIGN TOOLS



## DESIGN TOOLS

On our website you will find various calculation applications to verify and realize your project.

The selection of apps is currently being expanded.

You'll find them here: <https://www.zedex.de/en/knowledge-centre/tools>



ONLINE SERVICES



# THREAD LOAD CAPACITY

The screenshot shows a web-based calculator for thread load capacity. The interface includes a navigation menu at the top with options like 'Company', 'Services', 'Our brands', 'Products', 'Delivery Programme', 'Industries', 'Case studies', 'Knowledge Centre', 'Downloads', and 'Contact'. The main content area is titled 'Thread load capacity' and includes a 'Version 4.0' label. A text block explains that to reduce embedment (loss of preload), screws should be retightened 24 hours after installation, and additional screw retention (adhesive or similar) can be used if the load carrying capacity of plastic threads is insufficient. A 'Back to overview' button is located below this text. The calculator form contains several input fields: 'Material' (dropdown menu with 'INKUFORM CFK2' selected), 'Thread' (dropdown menu with 'Metric DIN 13' selected), 'Use' (dropdown menu with 'static, > 100 Hours' selected), 'Temperature' (dropdown menu with '23 ° C' selected), 'Thread gradient (mm):' (input field with '1'), 'Screw-in length l (mm):' (input field with '20'), and 'Pitch diameter of the screw d<sub>f</sub> (mm):' (input field with '5'). Below the form are 'Calculate' and 'Reset' buttons. To the right of the form is a technical diagram of a screw being inserted into a plastic thread. Further right, there is a section titled 'Here you will find information about our ZEDEX<sup>®</sup> Material families' with links for 'ZK-100 | ZK-200 | ZK-324' and 'ZK-410 | ZK-530 | ZK-750'. Below this is a section titled 'Do you have questions about the calculation? Then do not hesitate to contact us.' and another section titled 'Alternatively, we would also be happy to help you personally, so just give us a call: +49 2237 97490'. At the bottom of the page, there are links for 'CONDITIONS', 'DATA PROTECTION', 'IMPRINT', and 'CONTACT', along with social media icons for LinkedIn and YouTube. The footer contains the copyright notice '© 2023 Wolf Kunststoff-Gleitlager GmbH'.

## ABOUT

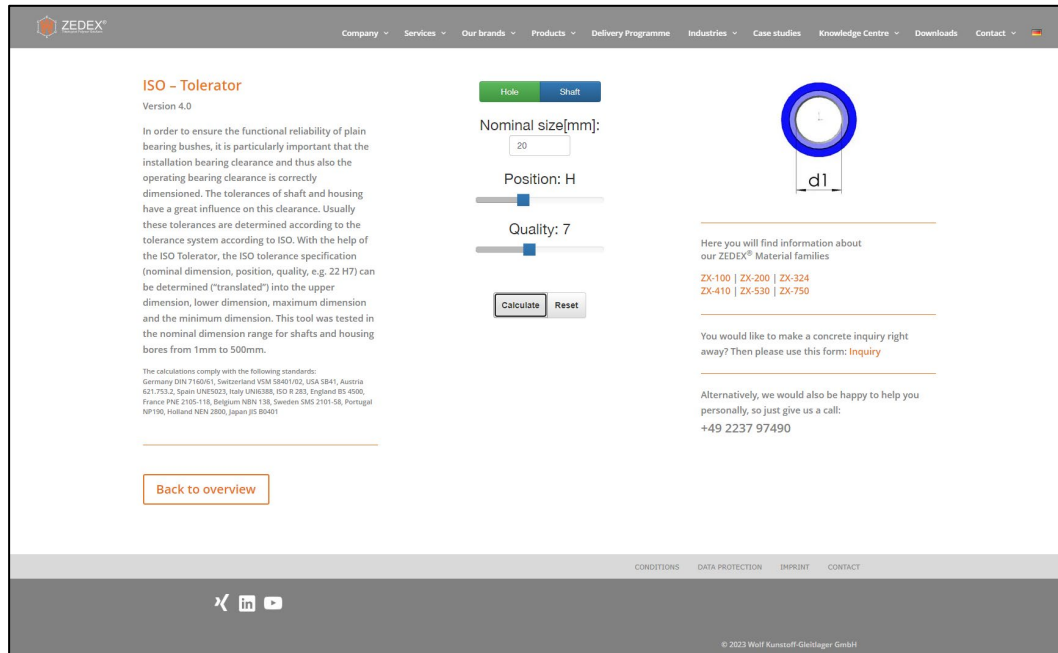
To reduce embedment (loss of preload), the screws should be retightened 24 hours after installation. If necessary, use additional screw retention (adhesive or similar).

If the load carrying capacity of the plastic threads is not sufficient, threaded inserts, such as ENSAT, can be used





# ISO - TOLERATOR



## ABOUT

In order to ensure the functional reliability of plain bearing bushes, it is particularly important that the installation bearing clearance and thus also the operating bearing clearance is correctly dimensioned.

The tolerances of shaft and housing have a great influence on this clearance. Usually these tolerances are determined according to the tolerance system according to ISO. With the help of the ISO Tolerator, the ISO tolerance specification (nominal dimension, position, quality, e.g. 22 H7) can be determined ("translated") into the upper dimension, lower dimension, maximum dimension and the minimum dimension.

This tool was tested in the nominal dimension range for shafts and housing bores from 1mm to 500mm.

The calculations comply with the following standards:  
Germany DIN 7160/61, Switzerland VSM 58401/02, USA SB41, Austria 621.753.2, Spain UNE5023, Italy UNI6388, ISO R 283, England BS 4500, France PNE 2105-118, Belgium NBN 138, Sweden SMS 2101-58, Portugal NP190, Holland NEN 2800, Japan JIS B0401







# BUSHINGS CLEARANCE CALCULATION

The screenshot displays the 'Bushings clearance calculation' tool on the ZEDEX website. The interface includes a navigation menu at the top with options like 'Company', 'Services', 'Our brands', 'Products', 'Delivery Programme', 'Industries', 'Case studies', 'Knowledge Centre', 'Downloads', and 'Contact'. The main content area is divided into three sections:

- General requirements:** Contains input fields for 'Reference temperature for dimensional inspection [°C]' (set to 20) and 'Max. operating temperature [°C]' (set to -40). It features radio button options for 'unslotted, without housing expansion' (selected), 'unslotted, with housing expansion', 'slotted, without housing expansion', and 'slotted, with housing expansion'. Below these are dropdown menus for 'Shaft material' (Steel), 'Bush material' (ZX-100K), and 'Housing material' (Steel).
- Shaft:** Includes a 'Nominal size [mm]' field (set to 20) and radio button options for 'Calculate tolerance according to ISO standard' (selected) and 'Enter tolerance manually'. It also has an 'ISO tolerance' dropdown (set to 7) and fields for 'upper dimensional deviation [mm]' (0.000), 'lower dimensional deviation [mm]' (-0.021), 'Maximum dimension [mm]', and 'Minimum dimension [mm]'.
- Informational text:** A 3D model of a green bushing is shown. Text on the right explains that users will find information about ZEDEX material families (ZX-100, ZX-200, ZX-324, ZX-410, ZX-530, ZX-750) and provides contact information for inquiries: '+49 2237 97490'.

A 'Back to overview' button is located at the bottom left of the tool interface.

## ABOUT

In order to ensure the functional reliability of plain bearing bushes, it is particularly important that the installation bearing clearance and thus also the operating bearing clearance is correctly dimensioned.

With the Bushings clearance calculation tool, you can do this quickly and easily. In addition, you can also determine at which temperature the clearance of standard plain bearing bushes becomes too small due to thermal expansion, which then leads the bushes to jam





# MATERIAL COMPARISON

**Material comparison**  
Version 4.0

The Material comparison tool allows you to graphically compare the properties of ZEDEX® materials with each other and with standard plastics.

The properties are shown on the circumference and the arrows indicate how good a property is. The more the arrow is filled, the better the property is.

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Example:

- Strength: the further the arrow is filled, the more positive (higher) the strength.
- Costs: an arrow that is filled far out indicates low costs.

Back to overview

Materials Properties Reset

Here you will find information about our ZEDEX® Material families

ZX-100 | ZX-200 | ZX-324  
ZX-410 | ZX-530 | ZX-750

You would like to make a concrete inquiry right away? Then please use this form: [Inquiry](#)

Alternatively, we would also be happy to help you personally, so just give us a call:  
+49 2237 97490

CONDITIONS DATA PROTECTION IMPRINT CONTACT

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## ABOUT

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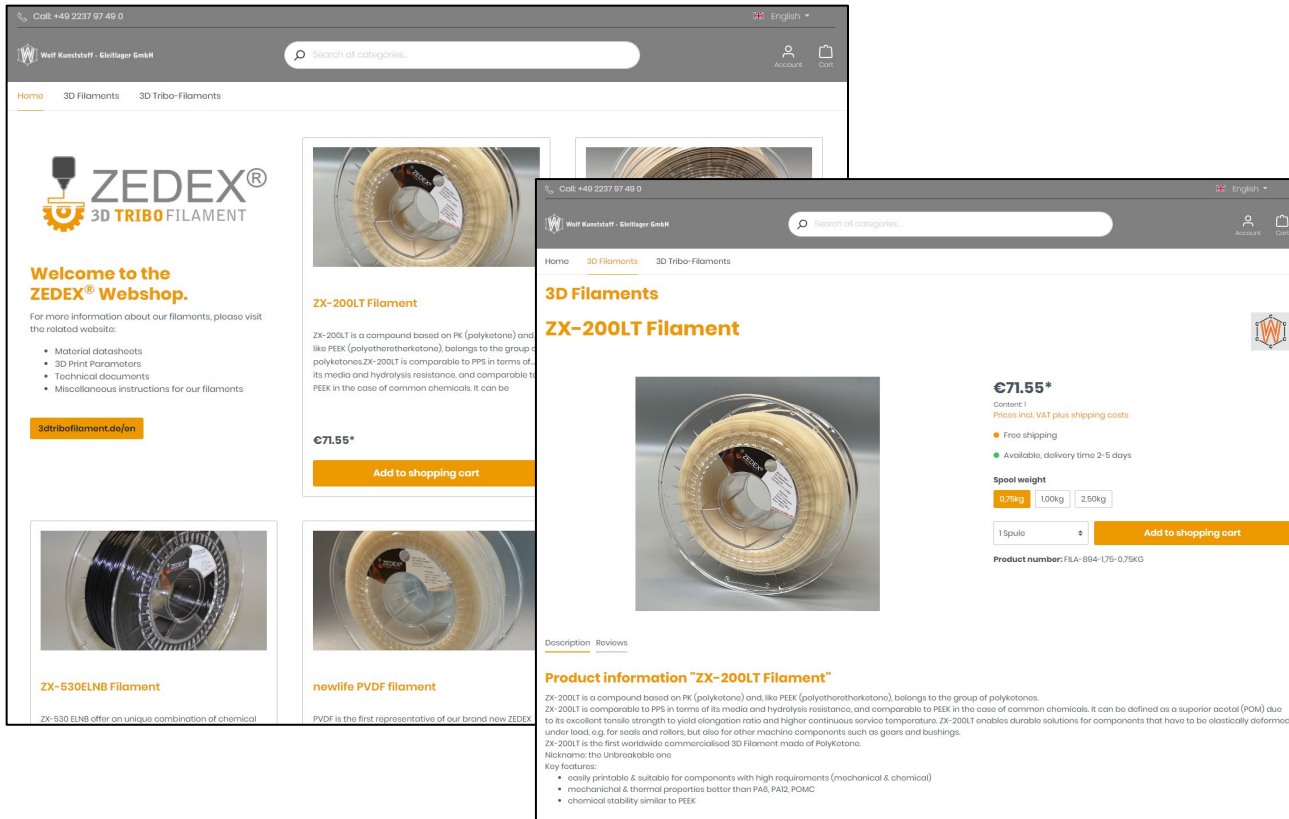
Example:

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# FILAMENT SHOP



## 3D-TRIBOFILAMENTS AND 3D-FILAMENTS

The store offers our products of tribofilaments and filaments for 3D printing for direct purchase.

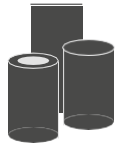
You can find the webshop at: <https://shop.zedex.de>



ONLINE SERVICES



## IF U WANT TO KNOW MORE



### Tribological Polymer Solutions

- Semi-finished products, granules
- Special compounds



### Tribological Part Production

- Machining
- Injection molding
- 3D printing



### Polymer Parts Design

- Consulting, calculation
- Design



### Polymer Testing, Evolution, Damage analysis

- Polymer testing, failure analysis
- Compound development



### Tribological Polymer Parts

- Precision plainbearings,  
slideway bearings
- Movement nuts, gears



### Online Services

- Calculation-tools
- Online Warehouse
- Online Shop