

AHP.cad

How to install and use

Install

Open the installation file and appear as follows:



The upper right corner shows all languages supported by software (GB stands for English). Then click the "Install" button below and choose installation path to install. It will take about ten minutes to install.

After installation, the following icon will appear on the desktop:



Later, you can enter AHP.cad through this icon.



Use

Stpe1:Click on the icon to enter the software, the following picture appears:



Click "PARTdataManager" to enter.

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Step2:



Guided cylinder search with additional information (*recommended start*)



Cylinder suggestion:

Assistant:

Here we ask you for your requirements and will suggest various cylinder choices. Once you found a matching cylinder that meets you requirements, you can switch to the assistant and finalize your needs.



Classic screen:

This view is for advanced user. Here, by clicking on "AHP Guide", it is possible to open the assistant with the aid of the index tree.

As shown above, there are three options for the welcome interface after entering the software. If we don't know much about our cylinders, we suggest using the "Assistant" option.

If you already know something about our cylinders, you can click on "**Classic screen**" and the software will jump to the detail page of our cylinders.

Next, we will explain the function of "Assistant" and "Classic screen" respectively.



Assistant

1. When you move the mouse over an icon, the software explains the cylinder to help you choose.





2.After selecting the type of cylinder, the software will enter the guide page. Firstly, the cylinder diameter is selected according to the required push-pull force (Fd represents push force, Fz represents pull forece, KN).

AHP Merkle > Block Cylinder) bz / bzn / mbz / bzr / b	zh / вzp / в	irb - Block - Block	^{Cylinder} Cylindo	er 🔻								
Diameter Details Chart for selection	on of piston diar	neter	[bar /	kN]	har	100	bar	160	bar	(bar / l	(N]	[psi /	bf]
Fore	ie	Fd	Fz	Fd	Fz	Fd	Fz	Fd	Fz	Fd	Fz	Fd	Fz
D Piston diameter [mm]	D1 Rod diameter [mm]												
16 mm	10 mm	0.80	0.49	1.29	0.78	1.61	0.98	2.57	1.57	4.02	2.45	8.04	4.90
25 mm	16 mm	1.96	1.16	3.14	1.85	3.93	2.32	6.28	3.71	9.82	5.80	19.63	11.59
32 mm	20 mm	3.22	1.96	5.15	3.14	6.43	3.92	10.29	6.27	16.08	9.80	32.17	19.60
40 mm	25 mm	5.03	3.06	8.04	4.90	10.05	6.13	16.08	9.80	25.13	15.32	50.27	30.63
50 mm	32 mm	7.85	4.64	12.57	7.42	15.71	9.27	25.13	14.84	39.27	23.18	78.54	46.37
63 mm	40 mm	12.47	7.44	19.95	11.91	24.94	14.88	39.90	23.82	62.34	37.21	124.69	74.42
80 mm	50 mm	20.11	12.25	32.17	19.60	40.21	24.50	64.34	39.21	100.53	61.26	201.06	122.52
100 mm	60 mm	31.42	20.11	50.27	32.17	62.83	40.21	100.53	64.34	157.08	100.53	314.16	201.06
125 mm	80 mm	49.09	28.98	78.54	46.37	98.17	57.96	157.08	92.74	245.44	144.91	490.87	289.81
160 mm	100 mm	80.42	49.01	128.68	78.41	160.85	98.02	257.36	156.83	402.12	245.04	804.25	490.09
200 mm	125 mm	125.66	76.58	201.06	122.52	251.33	153.15	402.12	245.04	628.32	382.88	1256.64	765.76



3. Next, go to the detailed parameter list of the hydraulic cylinder, you can configure the parameters of the cylinder (mounting style, cushioning, etc.).





4. When all the parameters are selected, the **order no.** of the cylinder you selected will be displayed at the bottom of the page. This number will be used as the code for the cylinder you ordered. You can also click "**Add to basket**" to add the cylinder to your basket, and then click the **shopping cart** in the lower right corner to order online. After clicking the "**3D view**" button, you will see the cylinder 3D model displayed in the software. The two buttons at the bottom left of the page will take you back to the home page of the "Assistant" and the home page of the selected cylinder type.

Maximum 500 operating pressure	bar
order no. BZ 500.50/32.77.201.25	
3D view add to basket	
AHP Merkle > Block Cylinder -> BZ / BZN / MBZ / BZR / BZH / BZP / BRB - Block Cylinder	
	١



Part Selection

After entering the parts selection, you will see the following picture. The date on the picture represents the last update time of the software installed on your computer. You can keep the timeliness of software at any time by software's own online update function. (refer to the chapter "**update**").



Click the icon to enter the next step.



selection	' Merkle			
Block Cylinder	Double-Lined Cylinder	Screw In Cylinder	Flanged Cylinder	Hydraulic cylinder with extern: 22/08/2018
ELJOU/LUIS				
Core Pull Unit	Short-Stroke Cylinder	📋 DIN Standard Cylinder	💼 Round Cylinder	🛑 Push Unit
22/08/2018	22/08/2018	22/08/2018	22/08/2018	22/08/2018
AHP Standard Cylinder	Stamping Cylinder	Locking cylinder	💼 Cube Cylinder	💼 Tie Rod Cylinder
22/08/2018	22/08/2018	22/08/2018	22/08/2018	22/08/2018
Accessories	Cylinder calculation	informs	💼 paper catalog	Copyright
22/08/2018		22/08/2018	22/08/2018	22/08/2018 copyright
AHP Merkle Konfigurator				
AHP Merkle Konfigurator				
22/08/2018				

In the next page, you'll see all of our cylinder types, which you can choose as needed.



File Export View Extras Window K STEP 👻 **F** Search and Part Selection K Transfer to CAD 🔻 **3 +** Reart view » 2D CAD formats 🔻 🗆 🥏 ABC Keyword(s) for full text search 😳 Search in 🥪 all catalogs 👻 foi 2D system neutral P MERKI ۲ .Ε × 2D transfer formats ٠ 🔍 Start search BEWEGT 3D CAD formats ۲ B Part view Part selection Search results Assistant Part comparison 3D system neutral ۲ BZ 500.50/32.77.201.25 □ × BZ 500.50/32.77.201.25 (DH=0) □ × 3D transfer formats ۲ 🕨 🚜 PDF (仅3D) Table List Others ||**AHD MERKLE** ត PDF Datasheet Piston diameter [... 50 🔁 D - 0 Extras Window File Export View R all step 🗸 🥝 🔂 Reart view K Transfer to CAD 👻 Search and Part Selection 2D CAD formats ۲ ABC Keyword(s) for full text search 🔻 🗆 🧼 🖸 Search in 🥪 all catalogs \star foi 2D system neutral HP ME × 2D transfer formats 🔍 Start search 3D CAD formats Þ 🗞 Part view Assistant Part selection Search results Part comparison 3D system neutral 🕨 📑 DXF 3D BZ 500.50/32.77.201.25 BZ 500.50/32.77.201.25 (DH=0) □ × DXF Binary 3D 3D transfer formats Others IGES Table List ∢ | ⊩ 🗳 SAT • 🜖 🔁 D Piston diameter [... 50 🚊 STEP BEWEGT 🔁 D1 Rod diameter [mm] 32 • 0

When the cylinder is selected, you can export the 2D and 3D files of the cylinder in the menu below.:



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Attention:

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Rotary Drive Unit Screw In Cylinder Flanged Cylinder Gre Pull Unit Short-Stroke Cylin DiN Standard Cylin	DIN Standard Cylinder 30/04/2018	Dependence and a series of the	Round Cylinder 30/04/2018	Push Unit 30/04/2018
 The paper catalog Round Cylinder Push Unit AHP Standard Cylinder Stamping Cylinder Cube Cylinder Fie Rod Cylinder 	AHP Standard Cylinder 30/04/2018	C Stamping Cylinder 30/04/2018	Cube Cylinder 30/04/2018	Tie Rod Cylinder 30/04/2018
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When the yellow logo is on the icon, it is shown that this type of cylinder contains the cylinder of our **quick delivery program**. Choosing these cylinders you will get a quicker delivery date and a more favorable price.



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In addition, in our software, we also include a series of "**Cylinder calculation**" for hydraulic cylinders. You can open it in two ways:

Block Cylinder 22/08/2018	Double-Lined Cylinder	Screw In Cylinder 22/08/2018	Flanged Cylinder 22/08/2018 22/08/2018	Hydraulic cylinder with extern: 22/08/2018 22/08/2018
Core Pull Unit 22/08/2018	Short-Stroke Cylinder 22/08/2018	DIN Standard Cylinder 22/08/2018	C Round Cylinder 22/08/2018	Push Unit 22/08/2018
AHP Standard Cylinder 22/08/2018	Stamping Cylinder 22/08/2018	Locking cylinder 22/08/2018	Cube Cylinder 22/08/2018	Tie Rod Cylinder 22/08/2018
C Accessories 22/08/2018	Cylinder calculation 22/08/2018	ahp.informs 22/08/2018	PDF 22/08/2018	Copyright
AHP Merkle Konfigurator AHP Merkle Konfigurator 22/08/2018				



Cylinder suggestion:

Here we ask you for your requirements and will suggest various cylinder choices. Once you found a matching cylinder that meets you requirements, you can switch to the assistant and finalize your needs.

In this calculator, you can find various calculators, such as the calculation of cushioning capacity, the calculation of cylinder force, pressure, piston speed and so on.





Update

Step1: Click the update button at the top left corner of the software.





Step2: The following operations are performed in the new window:

- A. Click "Catalog update"
- B. Click "Fetch Catalog List" and wait for it completing
- C. Click "Select all"
- D. Choose "Only keep the new version"

E. Choose "Install after download", then click "Download/install selected version" and wait for the installation completing.

Welcome Catalog update	
Settings Account: mailbox@ahp.de	Accour
1. Bitalog list	
Fetch Catalog List	Select all 🔅 Select all downloaded but not yet installed catalogs
	Eiter
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2. Choose catalogs to download. Estimated time to download:	
Estimated time to download: 2 Versions Only keep the new version Number of versions Save original files of new version Save original files of new version Save original files of new version Install after download Ownload/install Selected catalogs Copy after successful installation	

Step3: When the installation is completed, restart the software to use.



Get updated information

This software will be updated from time to time. If you want to receive an update reminder, you can follow these steps:

Step1: Click the update button at the top left corner of the software.

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	Hydraulic cylinder with extern:	Core Pull Unit
	22/08/2018	22/08/2018
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Step2: Click "Settings" button.

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Step3: Click "Create new account".

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Step4: Register and login.

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Step5: Find the line "A".

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Step6: Find "AHP-Merkle" and tick in the box on the right.

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After completing the above operation, you will receive email notification every time the software is updated. You can get the latest version of CAD software by following the operation in the "update" section above.