

# GRICES

HYDRAULIC CYLINDERS



**GRICES HYDRAULIC CYLINDERS s.r.l. – Lecco ITALY**



# History

**Grices Hydraulic Cylinders s.r.l.**, is an Italian family run company founded in 1978 by Mr. Bruno Cesana. It produces top quality hydraulic cylinders for industrial, naval and mobile manufacturing.

**Grices** has reached an important position on the market assuring its customers functionality , security and reliability.

We manufacture a complete range of standard cylinders **ISO/DIN/CNOMO** and **Customized cylinders.**

Whatever your application, OEM or replacement , you can get the correct solution and quick delivery at a competitive price.



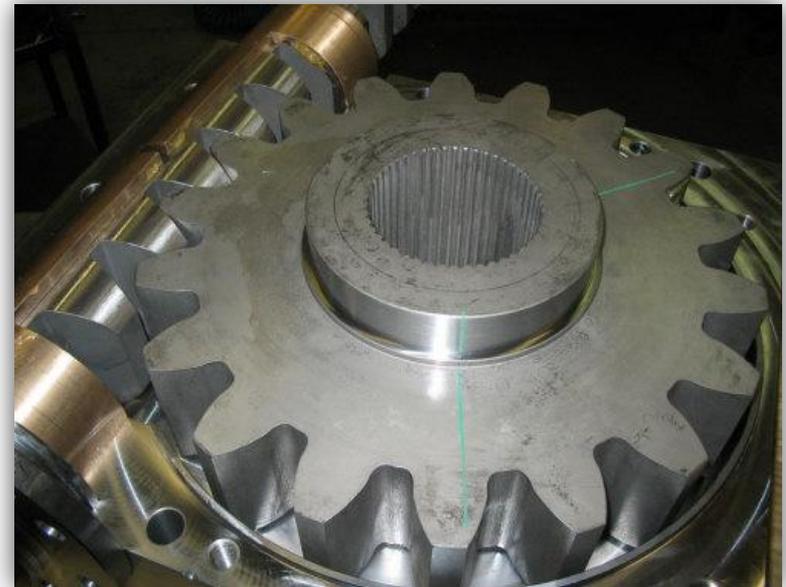
# Specialization

- We are specialized in the manufacturing of standard cylinders in accordance with the international standards **ISO DIN CNOMO**
- We offer customized cylinder designed by ourselves or by the customer
- We propose our cylinders as interchangeable spare-parts for top makes e.g. Bosch-Rexroth, Parker, etc.
- We are distributed all over Europe



# We offer

- High quality products
- Competitive prices
- On-line configurator
- Quick delivery and international distribution
- Bore up to 400 mm, stroke up to 4000 mm, pressure up to 80 MPa
- One to one technical support
- Testing on 100% of all cylinders
- Complete traceability of production and delivery
- Modern flexible equipment using an Intranet system



# Build your cylinder with on-line configurator

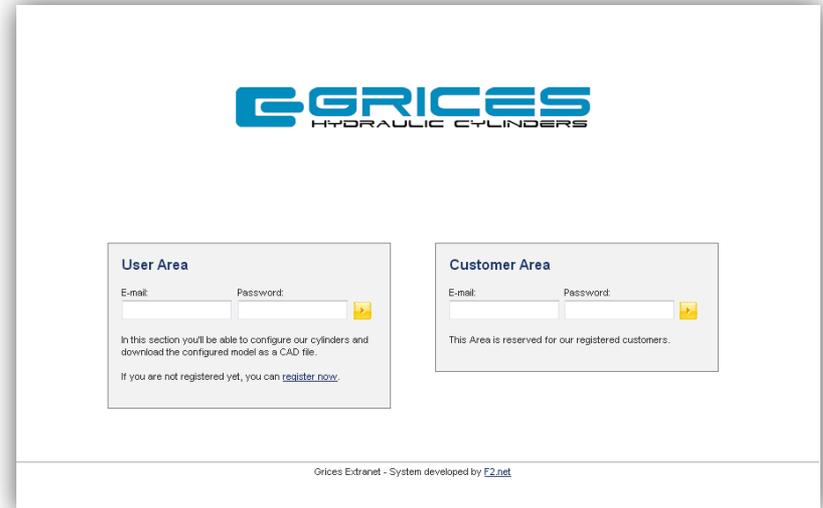
**Grices Hydraulic Cylinders** offers an on-line configurator to help the customer choose cylinders and accessories.

Step by step guide to create a cylinder code, save it in a list, generate the *CAD 2D&3D* and *PDF* drawings, see the delivery dates, request an offer and order on-line.



# On-line configurator strengths

- Shorter commission time
- User-friendly interface
- Immediate visualization of your offer
- Download 2D, 3D and PDF drawings
- Extra discount for on-line orders
- Updated technical catalogue
- Lowering of language barriers
- New partnership frontiers for distributor



# Step by step design your cylinders

The screenshot shows the 'Configurator > Step 1: Series' interface. At the top, there is a navigation bar with 'Configurator', 'Cylinder Lists', 'Orders', 'Technical Catalogue', 'Customers', and 'Log out'. The company information 'Company: ACME Distribution Code: 000' and 'User: E-mail:' is displayed in the top right. Below the navigation bar, the title 'Configurator > Step 1: Series' is followed by the instruction 'Select the series:'. The main area contains a grid of 14 product categories, each with a small image and a text description:

- Series CH: Standard ISO 6020/2 DIN 24554
- Series CHM: Standard ISO 6020/2 DIN 24554 with proximity switches
- Series CE: Welded cylinders
- Series CC: Standard ISO 6022
- Naval series MXO: Standard AISI 316
- Naval series COA: Standard OT58 / AISI 316
- Accessories
- Series CHT: Standard ISO 6020/2 DIN 24554 with magnetostriuctive position trans
- Series CB: Short stroke with built-in proximity switches
- Series CL: Welded cylinders
- Series CA: Standard ISO 6020/1
- Naval series MXP: Standard AISI 316
- Naval series COB: Standard OT58 / AISI 316
- Seals Kits

At the bottom of the page, it says 'Grices Extranet - System developed by E2.net'.

The screenshot shows the 'Configurator > Step 2: Bore' interface. At the top, there is a navigation bar with 'Configurator', 'Cylinder Lists', 'Orders', 'Technical Catalogue', 'Customers', and 'Log out'. The company information 'Company: ACME Distribution Code: 000' and 'User: E-mail:' is displayed in the top right. Below the navigation bar, the title 'Configurator > Step 2: Bore' is followed by the instruction 'Select the bore:'. The main area contains a 'Provisional cylinder code:' field with a grid of input boxes, some containing letters like 'CH', 'Q', and 'R'. Below this is a diagram of a cylinder with a vertical double-headed arrow labeled 'AL' indicating the bore diameter. A dropdown menu is open for 'Bore (AL):' with the value '25 mm' selected. The dropdown list includes the following options: 25, 32, 40, 50, 63, 80, 100, 125, 160, and 200. Navigation buttons '<< Back' and 'Next >>' are visible. At the bottom of the page, it says 'Grices Extranet - System developed by E2.net'.

Choose your cylinder from Grices' series

Step by step you are guided in the creation of your cylinder code



# Step by step design your cylinders



At completion, you can generate the CAD file in the desired format and save in a list relative to a project with code and quantity

# Step by step design your cylinders

The program shows quantity and web discounts. The system proposes the best delivery date. By clicking on change date you may choose a new delivery date.

GRICES HYDRAULIC CYLINDERS

Company: ACME Distribution Code: 000 IP Address: 87.25.16.114  
User: E-mail:

Configurator Cylinder Lists Orders Technical Catalogue Customers Log out

### Cylinder Lists

ACME Distribution - Project 1

List Project 1     Merge to List: ACME Distributi

Cylinder code	Your reference	Quantity	Weight	Delivery				Pdf
CH/25/12/0/200/FA00A0000000Q1000R1000/0/0	<input type="text"/>	2 <input type="checkbox"/>	5 Kg	15 working days <input type="checkbox"/>	<input type="button" value="edit"/>	<input type="button" value="print"/>	<input type="button" value="pdf"/>	<input type="button" value="pdf"/>
		Tot. weight: 5 Kg		Delivery: 15 working days				

Grices Extranet - System developed by E2.net

Create new list or cancel existing lists. You can see the price and delivery date. By clicking send order you are brought to the e-commerce area.

GRICES HYDRAULIC CYLINDERS

Company: ACME Distribution Code: 000 IP Address: 87.25.16.114  
User: prova marco E-mail: marccesana@live.it

Configurator Cylinder Lists Orders Technical Catalogue Customers Log out

### Order confirmation

Order n. 1 date 23/03/2013

#### INVOICE AND PAYMENT

ACME Distribution  
Bond Street, 35  
28056 Bondyer (BY)  
C.F. 00900000000 - VAT ID 00000000000

Payment:  
Da concordare

#### ORDERED GOODS

By clicking on the "Change date" button of each row, you may change the delivery date. The calendar for selecting the new date will appear below the table.

Description of the goods	Your ref.	Quantity	Unit Price	Amount	Delivery Date	Urgent delivery charge	Change delivery
CH/25/12/0/200/FA00A0000000Q1000R1000/0/0		2	€ 268,22	€ 536,44	15/04/2013	€ 0,00	<input type="button" value="Change date"/>
				<b>Total: € 536,44</b>	<b>Charge: € 0,00</b>		

#### CHARGES AND DISCOUNTS

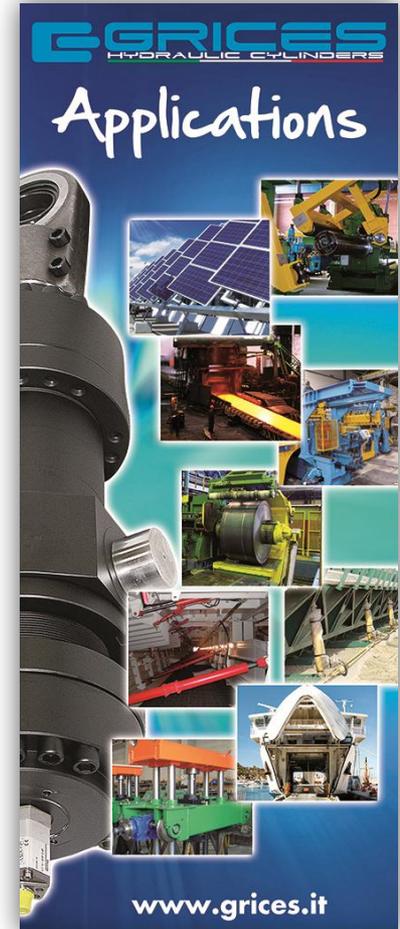
Total amount:	€ 536,44
Urgent delivery charge:	€ 0,00
Total to be discounted:	€ 536,44
Quantity discount (0%):	€ 0,00
Web order discount (3%):	€ -16,09
<b>GRAND TOTAL WITHOUT VAT:</b>	<b>€ 520,35</b>
VAT (21%):	€ 109,27
<b>GRAND TOTAL VAT INCLUDED:</b>	<b>€ 629,62</b>

#### DELIVERY - Verify your transport conditions and delivery destination

Transport:  Destination:

# Our range of production include cylinders for

- Naval
- Aerospace
- Metallurgy
- Cut to length lines
- Injection moulding machines
- Renewable energies
- Construction
- Tooling machines
- Presses
- Automotive



# Products



## **SERIES CH**

ISO 6020/2 DIN 24554  
NOMINAL PRESSURE 16 MPa  
MAX PRESSURE 25 MPa  
BORE 25 – 200



## **SERIES CHT**

ISO 6020/2 DIN 24554  
WITH LINEAR POSITION TRANSDUCER  
NOMINAL PRESSURE 16 MPa  
MAX PRESSURE 25 MPa  
BORE 25 – 200



## **SERIES CHM**

ISO 6020/2 DIN 24554  
WITH ADJUSTABLE SWITCH  
NOMINAL PRESSURE 12 MPa  
MAX PRESSURE 16 MPa  
BORE 25 – 100

# Products



## **SERIES CA**

ISO 6020/1

NOMINAL PRESSURE 16 MPa

MAX PRESSURE 25 MPa

BORE 40 – 320



## **SERIES CAT**

ISO 6020/1

WITH LINEAR POSITION TRANSDUCER

NOMINAL PRESSURE 16 MPa

MAX PRESSURE 25 MPa

BORE 40 – 320



## **SERIES CC**

ISO 6022

NOMINAL PRESSURE 25 MPa

MAX PRESSURE 32 MPa

BORE 50 – 320

# Products



## **SERIES CCT**

ISO 6022

WITH LINEAR POSITION TRANSDUCER

NOMINAL PRESSURE 25 MPa

MAX PRESSURE 32 MPa

BORE 50 – 320



## **SERIES CB**

SHORT STROKE CYLINDERS WITH ADJUSTABLE SWITCHES

NOMINAL PRESSURE 16 MPa

MAX PRESSURE 25 MPa

BORE 25 – 100



## **SERIES CL**

WELDED CYLINDERS

NOMINAL PRESSURE 14 MPa

MAX PRESSURE 21 MPa

BORE 40 – 100

# Products



## **SERIES CE**

WELDED CYLINDERS

NOMINAL PRESSURE 16 MPa

MAX PRESSURE 25 MPa

BORE 40 – 200



## **NAVAL CYLINDERS**

SERIES MXO AISI316

SERIES MXP AISI316

SERIES COA OT58 / AISI316

SERIES COB OT58 / AISI316

# Products



## **ACCESSORIES**

ROD ENDS

TRUNNION BRACKET

FORK JOINT HINGE

BRACKETS FOR CYLINDERS

MALE HINGE

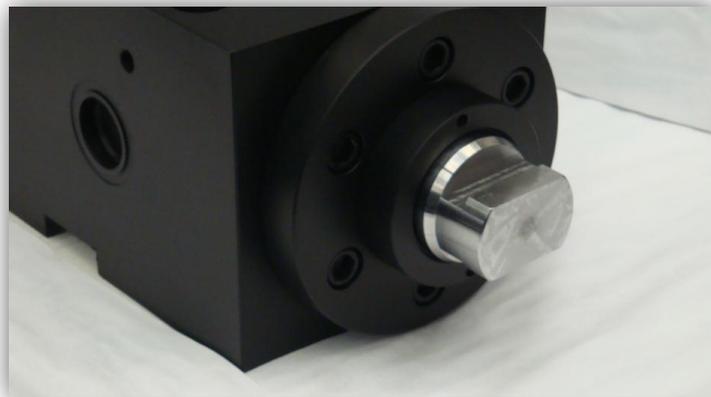
MALE BRACKETS



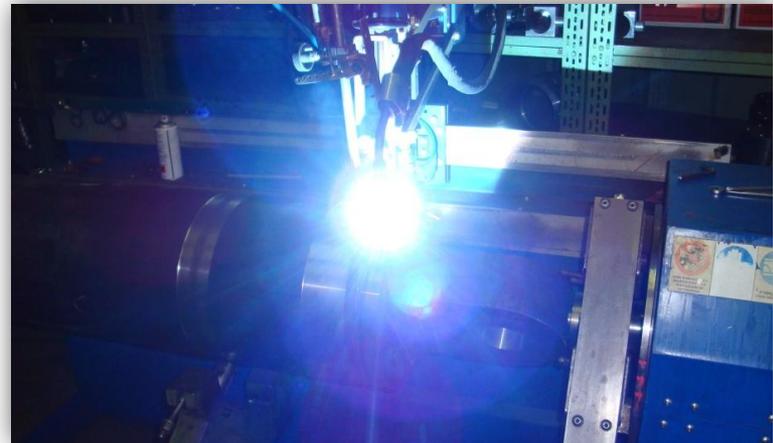
## **KIT COMPONENTS SERIES CH**

STANDARD ISO 6020/2

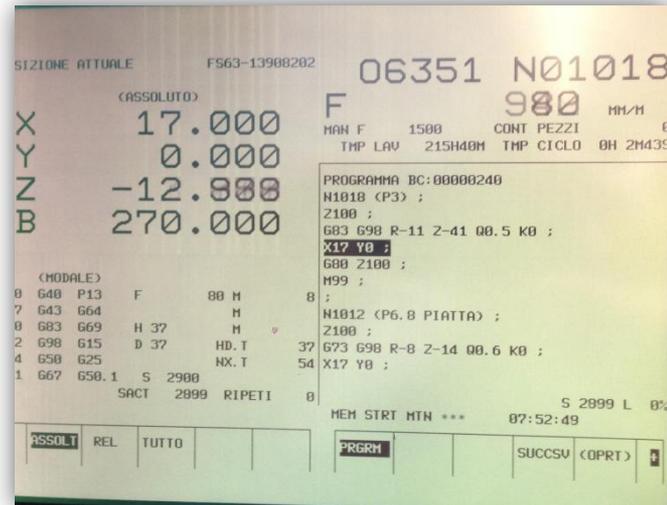
# Customized products



# Production



# Production



# Distribution & Contact Information

## Grices Hydraulic Cylinders s.r.l.

Via Postale Vecchia, 111  
23857 Valgrehentino (LC) -Italy-  
Phone +39 0341 660290  
Fax +39 0341 660285

**Sales contact:**  
sales@grices.it

**Online configurator:**  
[http://configuratore.grices.it/default\\_en.aspx](http://configuratore.grices.it/default_en.aspx)

[www.grices.it](http://www.grices.it)

