

CIMA S.p.A.



INDEX

2

- ▶ Presentation of CIMABelfin Group
- ▶ Our Vision (household appliance field)
- ▶ Our Range of Products
- ▶ Annual volume of product sold and Technology
- ▶ Virtual Tours
- ▶ New projects



VISION

4

To be the No. 1 in the Worldwide market for dampers and suspension springs production (household appliance)

AABSAL

Alladio

Atlant

Beko

Bosch

Candy

Chuangwei

Daewoo

Ebac

Edesa

Electrolux

F&P

Galanz

Geli

General Electric

Girbau

Haier

Hisense

IFB

IT Wash - Sangiorgio

LGE

Little Swan

Midea

Miele

Panasonic

Samha

Samsung

Sanyo

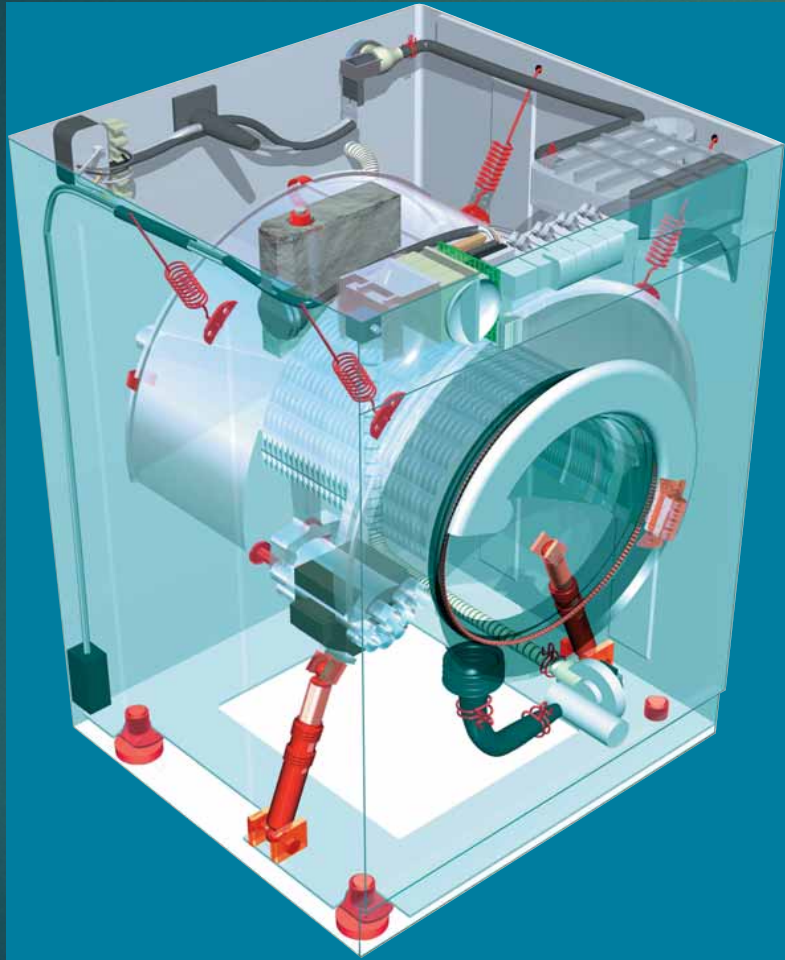
Vestel

Whirlpool

RANGE OF PRODUCTS

SHOCK-ABSORBERS AND DAMPING SYSTEMS

5



RANGE OF PRODUCTS

SHOCK-ABSORBERS AND DAMPING SYSTEMS

6



SHOCK ABSORBER RANGE MOLLIFICIO C.I.M.A.



SHOCK ABSORBER JUNIOR LOAD 50 N ÷ 120 N



12.5 13.5
ø PLASTIC BUSHING ø11.2
ø STEEL BUSHING ø8.1
ø STEEL BUSHING ø10.1

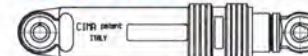
SHOCK ABSORBER SENIOR LOAD 80 N ÷ 250 N



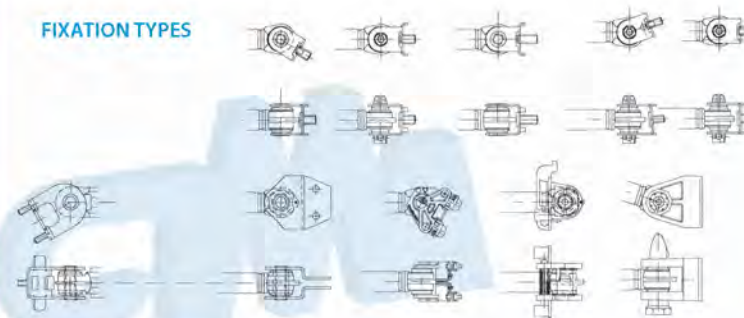
SHOCK ABSORBER VARIABLE LOAD 50 N ÷ 120 N



SHOCK ABSORBER SENIOR/SHORT LOAD 80 N ÷ 250 N



FIXATION TYPES



RANGE OF PRODUCTS

HOSE CLAMPS AND WIRE SPRINGS

7



RANGE OF PRODUCTS

FORMED SPRING IN BAND AND CLAMPING RINGS

8



RANGE OF PRODUCTS

9

CAPS, SOCKETS, QUICK FASTENINGS, PUNCHES AND DIES



RANGE OF PRODUCTS

10

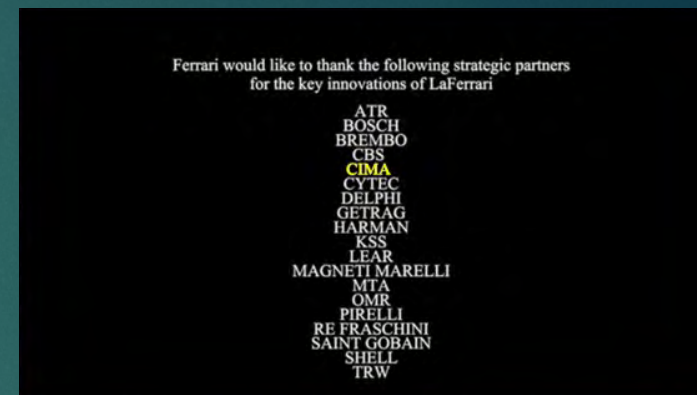
AGRICULTURAL SPRINGS, DIE SPRINGS, DIAPHRAGM SPRINGS FOR CLUTCHES, SUSPENSION SPRINGS FOR CARS AND BRAKE SPRINGS FOR LORRIES



RANGE OF PRODUCTS

11

TITANIUM SUSPENSION SPRINGS FOR *LaFerrari*



ANNUAL VOLUME OF PRODUCT SOLD

12

Home appliance market	Slovakia	China	Italy
Junior dampers	19.000K	24.158K	
Free Stroke dampers		1.568K	
Senior dampers	550K		
Wire dampers		0K	2.400K
Suspension springs	23.300K	1.324K	
Gasket springs	1.950K	204K	
Hose Clamps		7.596K	40.000K
Torsion bar	1.550K		
Feet/Legs		1.375K	

Production lines for Dampers in-house

10 lines dedicated to the production of “Junior dampers”

2 lines for the production of “Free Stroke Model”

Production lines for suspension springs

14 lines for tensioning springs (Designed by ourselves)

6 lines for tensioning springs

4 Machines for spiral springs + 2 special machines for the assembly
(designed by ourselves)

3 Machines for gasket ring.

1 Machine for torsion bar

15 Machines for hose clamps

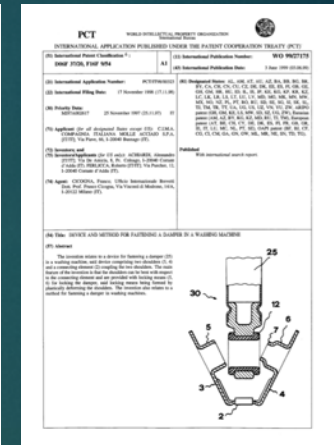
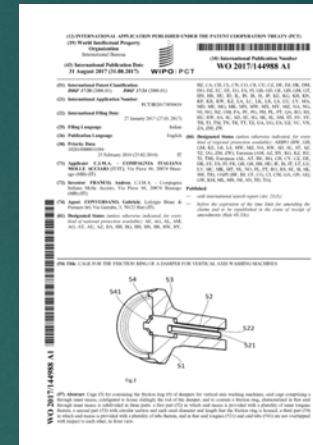
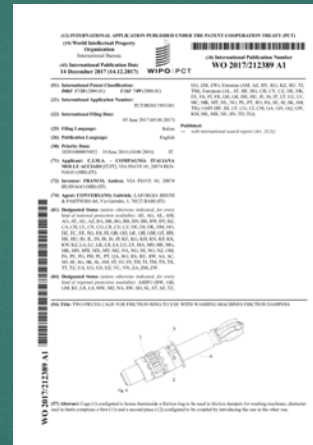
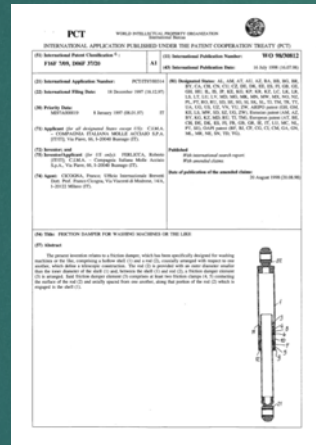
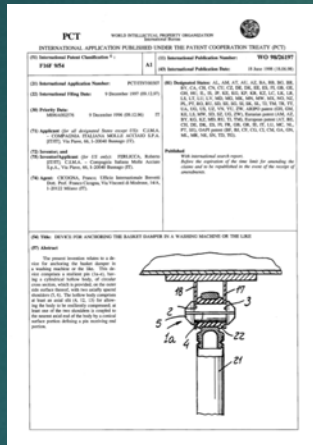
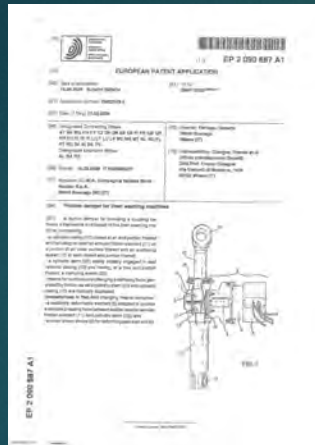
TD & RD - damping systems

14

C.I.M.A. is a leading Worldwide manufacturer of shock-absorbers for washing machines since the end of 90s and we have the capability and capacity to meet the specific customers demands all over the world.

Satisfaction and Customization are the guide lines for the developing of new projects and this is the reason why C.I.M.A. has filed several patents that regards not only the shock-absorber but also a lot of components utilized in the washing machines.

Below, just few examples of patents filed in these years.



The R&D department is also well supported by the versatility of the technical department, therefore, once focalized an idea it becomes "easy" to develop the new product either during the phase of engineering and the mass production because we design by ourselves most of the tooling and machines we use to produce and test the products.

C.I.M.A., in fact, has a great number of lines (manual / automatic / semi-automatic) to produce shock-absorbers for HAWM and increasing our knowledges consequently the lines are continuously improved.



NEW PROJECTS

15

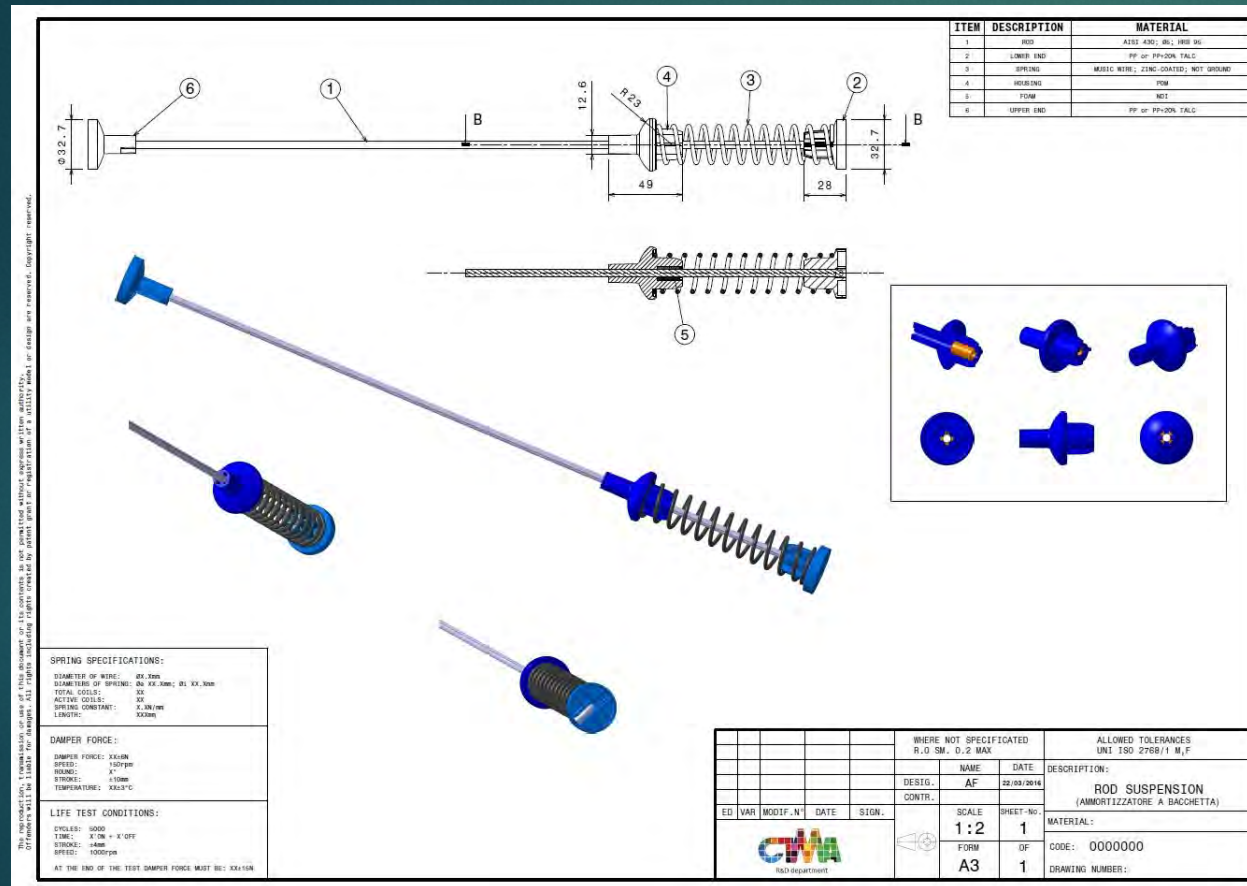
- ▶ Piston Rod
- ▶ Free Stroke “Wave”
- ▶ Spring leg
- ▶ Hinge Damper
- ▶ I-damper



NEW PROJECTS

16

PISTON ROD



This new concept for the product named "ROD SUSPENSION" comes from the application of many years of experience on the production of Shock Absorbers for Front Loading Washing Machines.

We have applied the same technology because the interaction between a PU Pad, a Metal Piston and the grease, is the best way to dissipate vibrations during the movement of the washing machine: in this way we can assure the same quality using our great experience in Front Loading Dampers.

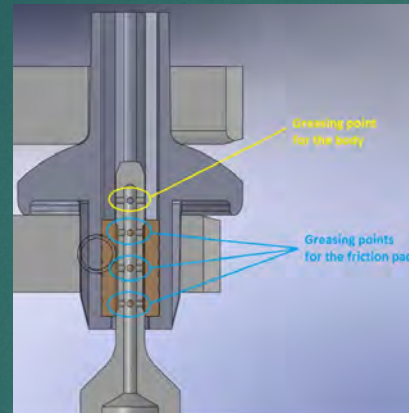
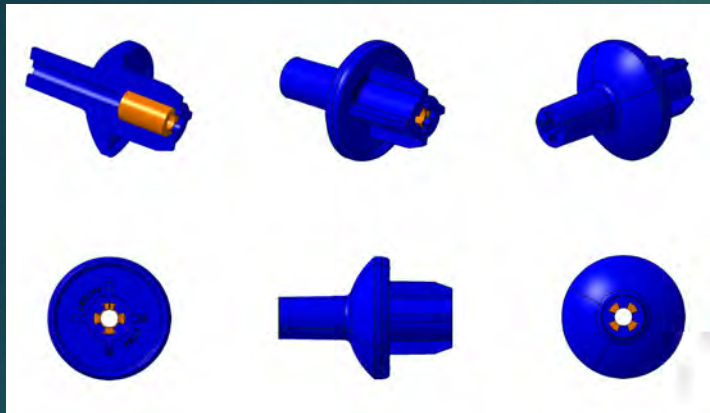
Developing this product we have filed two new patents.



NEW PROJECTS

17

PISTON ROD

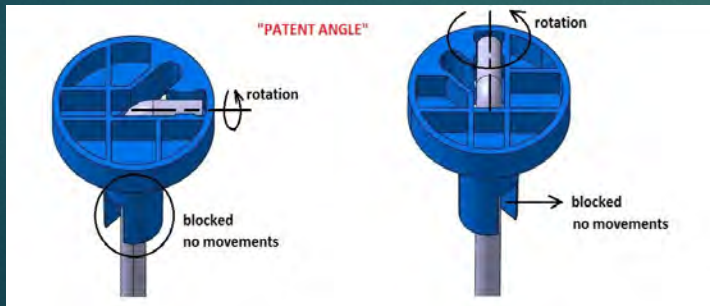


BODY

It is the heart of the Piston Rod. We have studied a particular geometry for it: this geometry allows to produce this body very fast and in only one piece.

Into this body we put a small Friction Pad (PU foam), the same material we already use for standard Shock Absorbers from several years.

Using different combinations of grease and raw materials for rod and plastics, we are able to offer customized solutions and to meet the specific customers demands.



UPPER END

It is a strategical component for the production and for the service. This geometry allows to fix and remove very fast the component from the rod preserving the functionality and the quality of the join.

Thank you

CIMA S.p.A.

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