

COPROMECC
DIE CASTING

▼ COPROMECC LITE

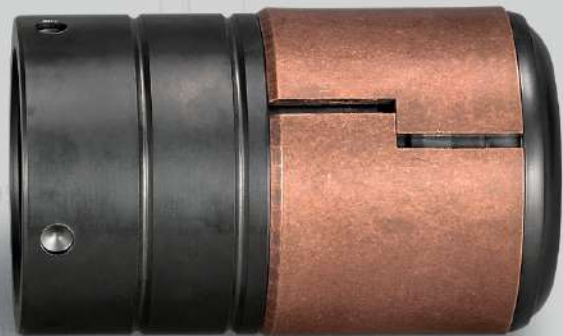
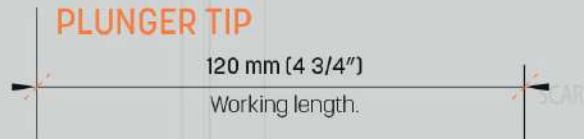
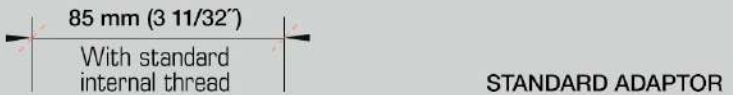
Engineered to achieve beyond our horizons.



COPROMECC LITE MAKES IT BETTER

The new "Copromec Lite" line has been developed to provide our customers with an advanced and patented high-performance technology, with superior quality and reduced costs. Our team of engineers and developers are dedicated to make Copromec technology affordable for everyone globally. The new product line comes as a result of our twenty years of experience and excellence in the field of die casting. "Copromec Lite" has opened the doors for all die casters to achieve greater goals for quality, uptime efficiencies and cost reductions. The new technologically advanced product line puts a focus on all plunger diameters ≤ 110 mm (4 5/16").

Now together! We can reach the apex.



Available from \varnothing 50 mm (2") to \varnothing 110 mm (4 5/16"), with intermediate diameters "steps" from 5 to 5mm (3/16").



6 VITITCEI M12X40 K12.9
DETTAGLIO B SCALA 10:1
SCARICO PER RAGGIO LITENSIL
30°
1.50
SMISADQUOTST SUFFICIENTE FINIT
CON-168-3
Piergia per chiusura Contatore e Boccola
27/05/2015

LONG LASTING PERFORMANCE

Performance example of a plunger tip $\varnothing 80$ mm (3 3/16") considering 200.000 shots.

Quantity used per piece

Copromec Lite	Life per piece	Q.ty used for 200.000 shots	PIECES SAVED
Plunger tip	80.000	2,50 pcs	Nr. 26 plunger tips against 20 rings
Ring	10.000	20,00 pcs	
Adaptor	200.000	1,00 pcs	
Traditional system in Cube			
Plunger tip	7.000	28,57 pcs	

Ex. Estimate of the usage of Copromec Lite plunger tips on 200.000 shots:
 $200.000 : 80.000 = 2,50$ pcs

Machine downtime

	Nr. of downtime for 200.00 shots	Time for changing ring	Time for changing plunger tip	Total downtime	TIME SAVED
Copromec Lite	20,00	10 minutes for 20 changes	20 minutes for 2,50 changes	250 minutes	321,43 minutes
Traditional system in Cube	28,57		20 minutes for 28,57 changes	571,43 minutes	

Ex. Estimate of downtimes with Copromec Lite:
 $[10' \times 20 \text{ changes}] + [20' \times 2,50 \text{ changes}] = 250$ minutes

TWO PLUNGER TIPS IN ONE

We merged the benefits of both copper and steel plunger tips to create a versatile and high-performing item, with unmatched performance.

COPPER



Ring

To avoid damages to the shot sleeve.

STEEL



Plunger tip

For a longer life.



EFFICIENT DESIGN

Copromec Lite adaptor has a unique design: it allows a more efficient cooling. It is specifically suitable for productions with short cycle time.

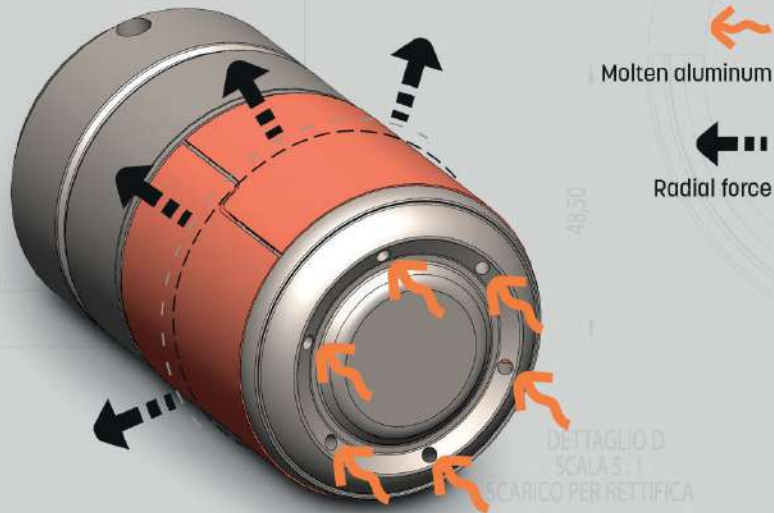
Adaptor

For a more efficient cooling.



PATENTED COMPETITIVENESS

The innovation: molten aluminum flows through the tip head pushing the ring into the chamber for great sealing.



During the injection cycle, aluminum penetrates through the tip face under the leading ring and solidifies to the contour of the sleeve's ID. The penetration amount of aluminum increases, as the leading ring starts to wear.

Benefits of Copromec system

- Higher injection speeds.
- Great sealing properties under vacuum conditions.
- Improved and consistent casting quality.
- The leading ring contours to sleeve ID from shot to shot for improved sealing.
- Entire system is easily adaptable with various types of plunger lubricants.
- Easy to use and maintenance-friendly.
- Reduction of machine downtime (possibility of changing ring on the machine).

PRODUCTS WITH SOLID FOUNDATION

20 YEARS
INSIDE YOUR INDUSTRY

Copromec was born in 1999 as consultancy company supporting customers in the design and construction of high pressure die casting cells. Then, Copromec specialized in the production of die casting items, in particular plunger tips, shot sleeves and lubricated plunger rods.

Thanks to the innovative and technological potential, Copromec's plunger tip has been patented worldwide.

It is regarded as one of the most innovative products on the market.

Today Copromec is a reliable partner trusted by the most renowned automotive companies in the world.



20 YEARS
INSIDE YOUR INDUSTRY



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