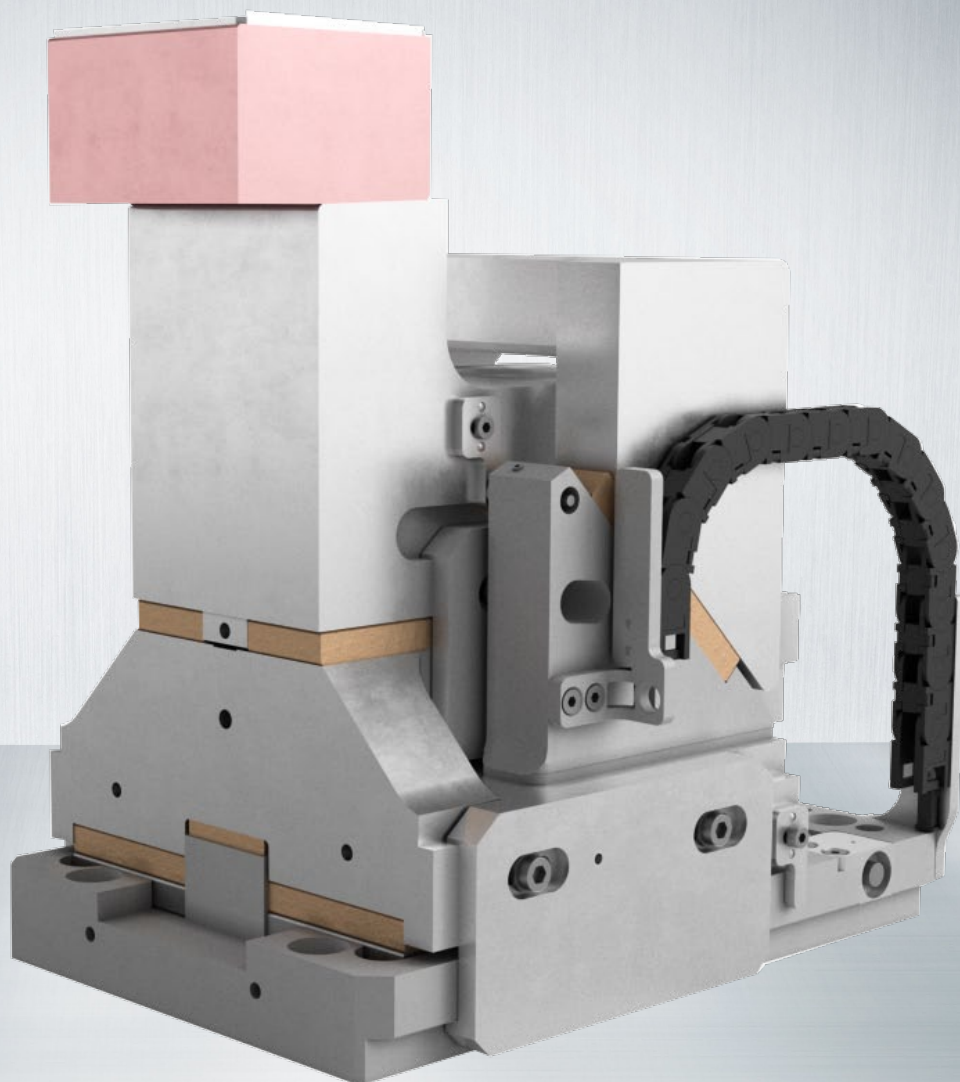


# LOCCAM<sup>®</sup>

Best performance  
for complex  
operations.



# LOCCAM®

## The most innovative locking system

LOCCAM® was developed to optimize yield, increase part quality and output, and ensure precision and quality in your operation. With its compact size and high load LOCCAM® is a reliable system replacing controlled gas springs, or other applications.



Discover more information about LOCCAM® on the webpage and in our product video.

## QUALITY IMPROVEMENT & COST REDUCTION

leads to better part quality and increases the part rate

## PATENTED & INNOVATIVE SYSTEM

which replaces controlled gas springs, pneumatic or hydraulic cylinders or other applications

## HIGHER OUTPUT

Increased cycle times compared to other systems (controlled gas springs)

## SENSOR TECHNOLOGY

for end position detection

## COMPACT SIZE AND HIGH LOAD

Length of 200 or 260 mm and max. load of 20 or 40 to per cam unit

## FLEXIBILITY

LOCCAM® can easily be adapted to draw depth of main pad by machining of mainpad and blank holder (kinematic check necessary)

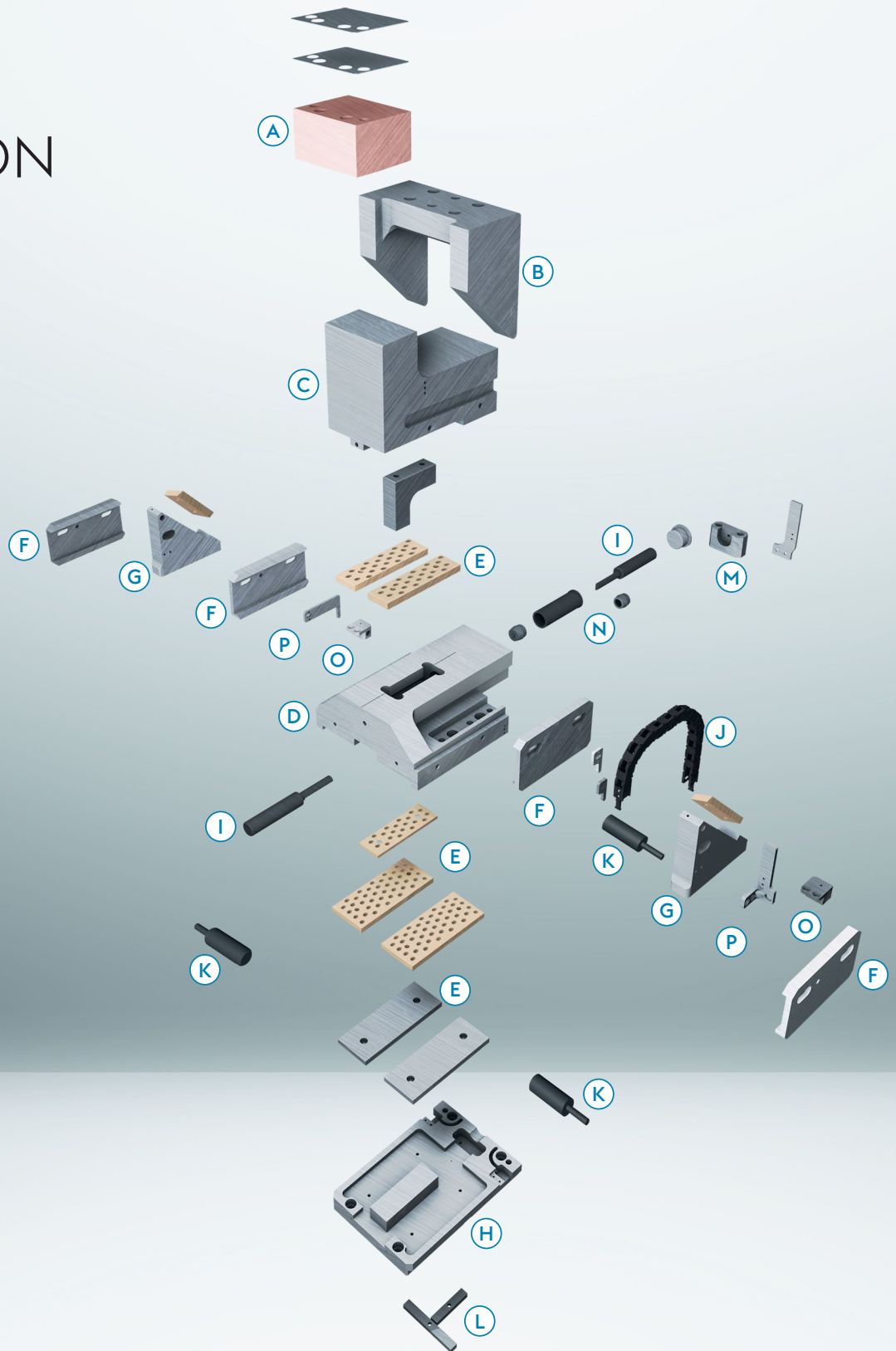
## HIGH-QUALITY MATERIALS

like tempered steel, high resistant bronze alloy, Duplex-Variantic coating on demand

## FLOATING BEARING INCL. 2° LEAD-IN ANGLE

of lock-block secures the locking

# HIGH- PRECISION DESIGN



- |                 |                |               |                 |
|-----------------|----------------|---------------|-----------------|
| Ⓐ Counter block | Ⓔ Wear plates  | Ⓘ Gas spring  | Ⓜ Thread plug   |
| Ⓑ Driver        | Ⓛ Side plates  | Ⓝ Cable tray  | Ⓝ Damper        |
| Ⓒ LOC-block     | Ⓞ Driver wedge | Ⓚ Sensor      | Ⓞ Sensor holder |
| Ⓓ Cam slider    | Ⓢ Cam base     | Ⓛ Fitting key | Ⓟ Switch flag   |



# TECHNICAL DETAILS LOCCAM®

## Important information at a glance

Here you will find all important technical data for LOCCAM®. Should you have any further questions, our experienced team of specialists will be happy to assist you at any time: Please contact us at [sales.camtec@voestalpine.com](mailto:sales.camtec@voestalpine.com)

	LOCCAM®
Available lengths:	200 mm, 260 mm
Available vertical stroke: Variation of mounting surface in upper & lower die possible, to adapt spacer height	60mm, 120mm
Max. force per cam	20to, 40to
Material	Steel parts: 1.7225 Sliding elements: WF 750 Coating: Duplex Variantic (on demand)
Field of application	Locking in deep drawing processes
Sensors	End position detection
Gas spring	2 pieces

Ident number	28745	28746	28747	28748
Force max. [to]	40	40	20	20
Stroke vertikal [mm]	120	60	120	60



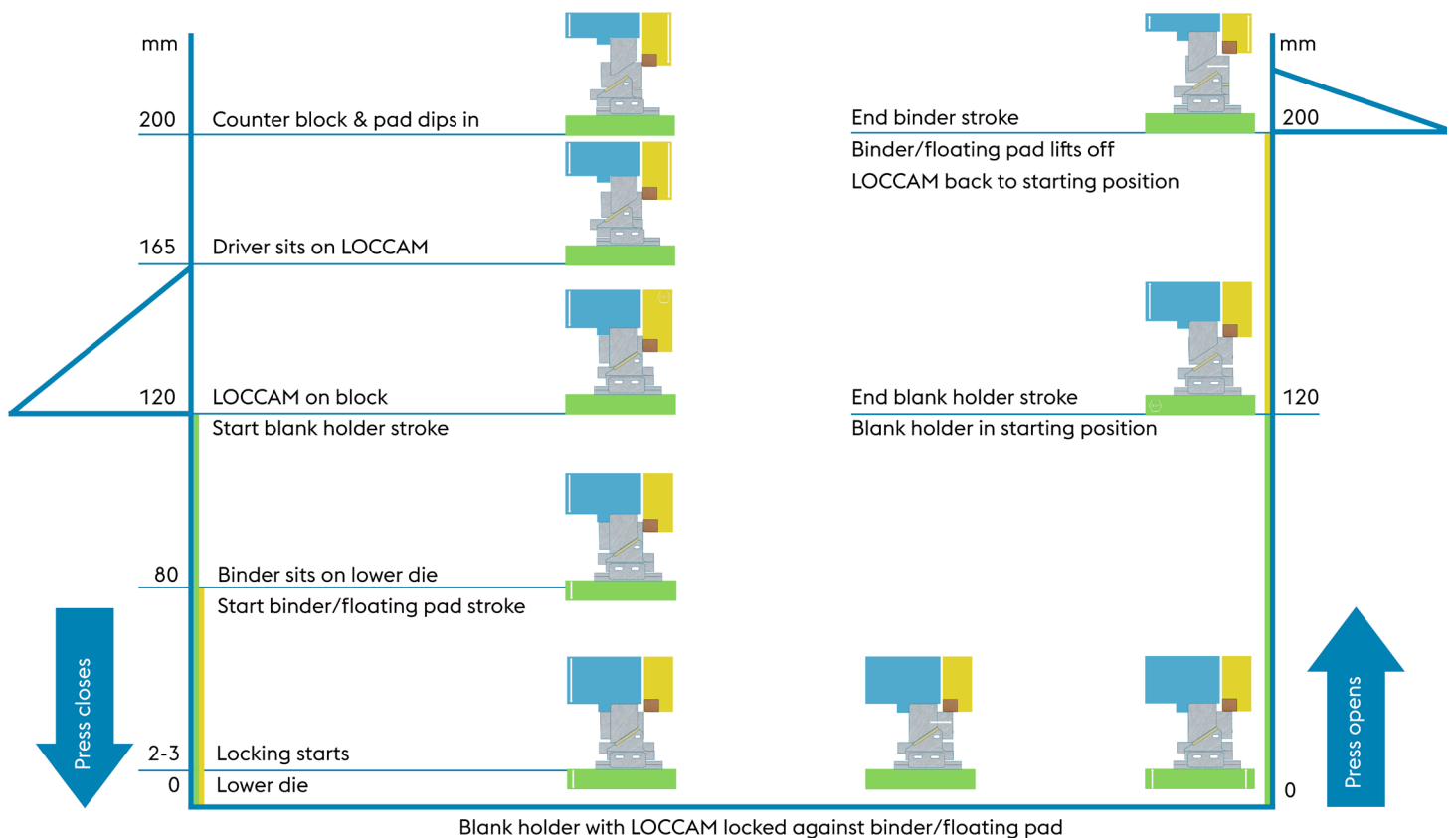
Use our product finder to quickly find just the right LOCCAM® model for your needs: [www.voestalpine.com/camtec/Product-Finder](http://www.voestalpine.com/camtec/Product-Finder)

# FIELDS OF APPLICATION

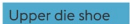

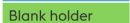
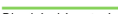
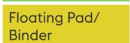
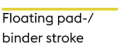
- Applicable for presses without die cushion pads
- Midsize & large parts with complex geometries
- Drawing operations with main pad + floating pad ( multioperation)
  - Space of mainpad and blankholder obtained mechanically with LOC-block
  - Deformations of parts are avoided when opening and ejecting
  - No controlled gas springs or other systems necessary
  - For high press cycles, cooling of the gas springs is not required

## Motion diagram LOCCAM® 40 to, 120 mm stroke

Blank holder stroke 120 mm, binder/floating pad stroke 80 mm



### Legend:

	Upper die shoe		Press stroke
	Blank holder		Blank holder stroke
	Floating Pad/ Binder		Floating pad-/ binder stroke

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**voestalpine**

ONE STEP AHEAD.