LOCCAM®
Best performance for complex operations.
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.

**The most innovative locking system**

**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

Discover more information about LOCCAM® on the webpage and in our product video.
HIGH-PRECISION DESIGN

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

### TECHNICAL DETAILS

<table>
<thead>
<tr>
<th>LOCCAM®</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Available lengths:</td>
<td>200 mm, 260 mm</td>
</tr>
<tr>
<td>Available vertical stroke: Variation of mounting surface in upper &amp; lower die possible, to adapt spacer height</td>
<td>60mm, 120mm</td>
</tr>
<tr>
<td>Max. force per cam</td>
<td>20to, 40to</td>
</tr>
</tbody>
</table>
| 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 NUMBERS

<table>
<thead>
<tr>
<th>Ident number</th>
<th>28745</th>
<th>28746</th>
<th>28747</th>
<th>28748</th>
</tr>
</thead>
<tbody>
<tr>
<td>Force max. [to]</td>
<td>40</td>
<td>40</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Stroke vertical [mm]</td>
<td>120</td>
<td>60</td>
<td>120</td>
<td>60</td>
</tr>
</tbody>
</table>
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
- Blank holder
- Floating Pad/Binder
- Press stroke
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