

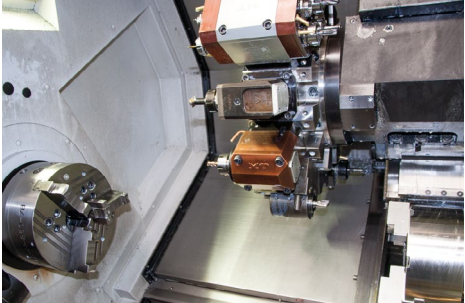


Cam Units CLC  
Schieber CLC  
Unità a Camme CLC

**OMCR<sup>®</sup>**  
STANDARD DIE COMPONENTS

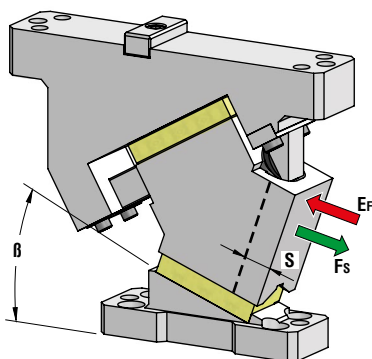
| OMCR CODE | Work Angle | Slider Width (mm) | Closed Cam Height (mm)                      | Work Area W x H (mm) | Max Work Force with shoulder 10 <sup>6</sup> cycles (kN) | Extraction Force (kN) | Page number |
|-----------|------------|-------------------|---------------------------------------------|----------------------|----------------------------------------------------------|-----------------------|-------------|
|           | $\beta$    |                   |                                             |                      | F <sub>s</sub>                                           | E <sub>f</sub>        |             |
| CLC050    | 0÷70°      | 50                | 200                                         | 50x75                | 41                                                       | 0,35÷0,71             | 868         |
| CLC065    | 0÷70°      | 65                | 180 (0÷45°)<br>190 (50÷55°)<br>210 (60÷70°) | 65x65                | 42                                                       | 0,44÷0,94             | 872         |
| CLC080    | 0÷70°      | 80                | 270                                         | 80x86                | 83                                                       | 0,58÷1,20             | 876         |
| CLC150    | 0÷70°      | 150               | 270                                         | 150x85               | 140                                                      | 1,66÷4,18             | 880         |

Cam Units CLC



Highly skilled workers

## AERIAL CAM UNIT - OBEN HÄNGENDER SCHIEBER - UNITÀ A CAMME SOSPESA



| OMCR CODE | Work Angle | Stroke (mm) | Max Work Force with shoulder (kN) | Extraction Force (kN) |
|-----------|------------|-------------|-----------------------------------|-----------------------|
|           | β          | S           | Fs                                | Ef<br>Spring          |
| CLC050.00 | 0°         | 30,21       | 41                                | 0,66                  |
| CLC050.05 | 5°         | 30,52       | 41                                | 0,61                  |
| CLC050.10 | 10°        | 30,34       | 41                                | 0,56                  |
| CLC050.15 | 15°        | 30,53       | 41                                | 0,71                  |
| CLC050.20 | 20°        | 30,41       | 41                                | 0,66                  |
| CLC050.25 | 25°        | 30          | 41                                | 0,66                  |
| CLC050.30 | 30°        | 32,55       | 41                                | 0,66                  |
| CLC050.35 | 35°        | 35,38       | 41                                | 0,66                  |
| CLC050.40 | 40°        | 38,57       | 41                                | 0,66                  |
| CLC050.45 | 45°        | 42,26       | 41                                | 0,66                  |
| CLC050.50 | 50°        | 46,67       | 41                                | 0,66                  |
| CLC050.55 | 55°        | 52,10       | 41                                | 0,59                  |
| CLC050.60 | 60°        | 59,09       | 41                                | 0,52                  |
| CLC050.65 | 65°        | 58,26       | 41                                | 0,38                  |
| CLC050.70 | 70°        | 57,59       | 41                                | 0,35                  |

## OPTION CODE

|    |                    |
|----|--------------------|
| SL | 1 ÷ 60 (1mm steps) |
| SW | 65 mm              |
| N  | Ø 12H7             |

## OPTION CODE

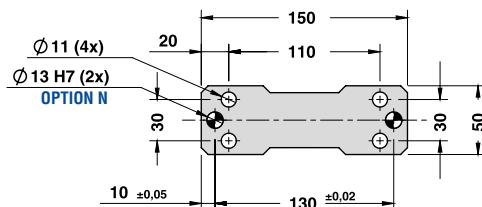
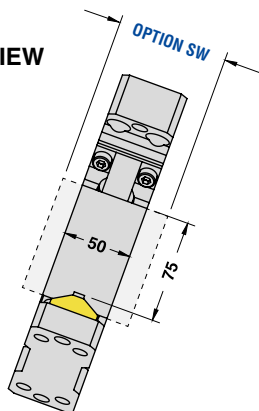


| Art.   | Work Angle = 5° | SL   | SW   | N   |
|--------|-----------------|------|------|-----|
| CLC050 | 05              | SL55 | SW65 | N12 |

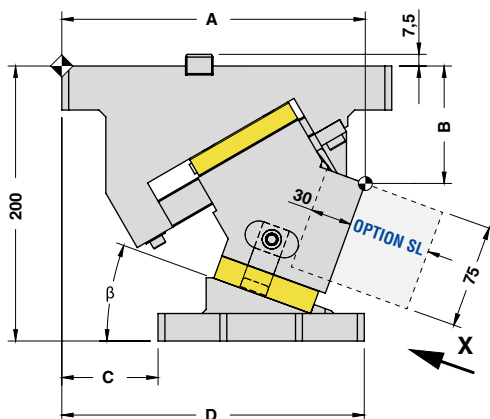
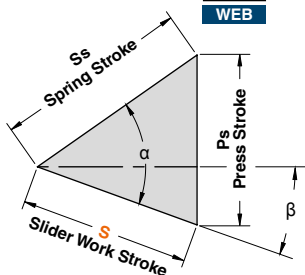
| OMCR CODE | Work Angle | Overall Dimensions (mm) |        |     |     |
|-----------|------------|-------------------------|--------|-----|-----|
|           | β          | A                       | B      | C   | D   |
| CLC050.00 | 0°         | 225                     | 77,50  | 107 | 257 |
| CLC050.05 | 5°         | 226,91                  | 78,33  | 100 | 250 |
| CLC050.10 | 10°        | 223,72                  | 79,93  | 90  | 240 |
| CLC050.15 | 15°        | 224,36                  | 82,29  | 85  | 235 |
| CLC050.20 | 20°        | 220,76                  | 85,39  | 70  | 220 |
| CLC050.25 | 25°        | 215,85                  | 89,22  | 58  | 208 |
| CLC050.30 | 30°        | 213,58                  | 94,73  | 55  | 205 |
| CLC050.35 | 35°        | 204,89                  | 96,90  | 35  | 185 |
| CLC050.40 | 40°        | 206,72                  | 102,69 | 30  | 180 |
| CLC050.45 | 45°        | 202,01                  | 103,06 | 20  | 170 |
| CLC050.50 | 50°        | 195,73                  | 105,94 | 10  | 160 |
| CLC050.55 | 55°        | 189,83                  | 116,30 | 0   | 150 |
| CLC050.60 | 60°        | 179,27                  | 125,08 | -15 | 135 |
| CLC050.65 | 65°        | 176,60                  | 126,87 | -32 | 118 |
| CLC050.70 | 70°        | 177                     | 135,83 | -38 | 112 |

## AERIAL CAM UNIT - OBEN HÄNGENDER SCHIEBER - UNITÀ A CAMME SOSPESA

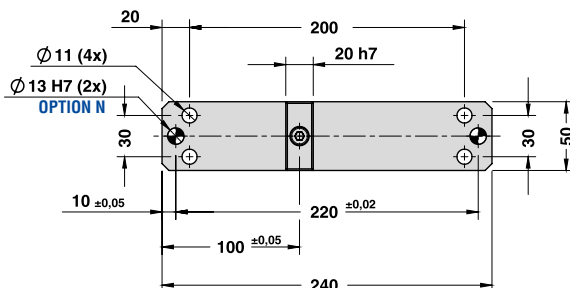
X VIEW

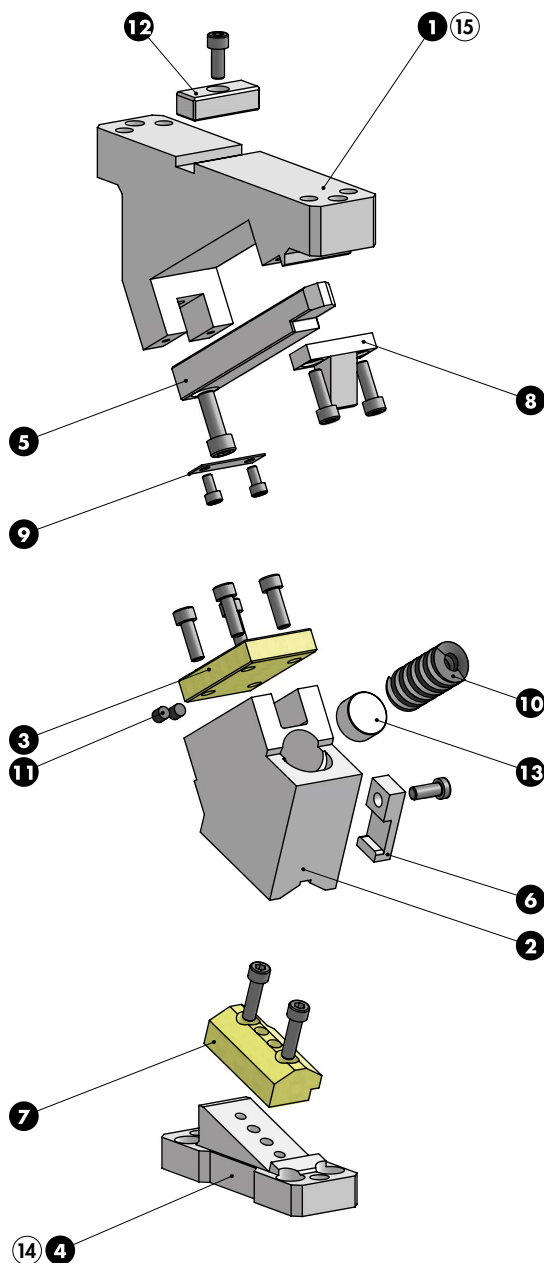


CAM DIAGRAM



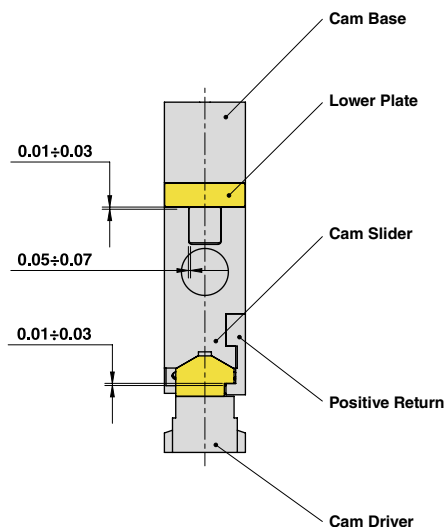
| Work Angle | Inner Angle | Slider Work Stroke (mm) | Press Stroke (mm) | Spring Stroke (mm) |
|------------|-------------|-------------------------|-------------------|--------------------|
| $\beta$    | $\alpha$    | S                       | Ps                | Ss                 |
| 0°         | 50°         | 30,21                   | 36,00             | 47                 |
| 5°         | 50°         | 30,52                   | 33,07             | 43                 |
| 10°        | 50°         | 30,34                   | 30,34             | 39                 |
| 15°        | 50°         | 30,53                   | 28,55             | 36                 |
| 20°        | 50°         | 30,41                   | 26,90             | 33                 |
| 25°        | 50°         | 30,00                   | 25,36             | 30                 |
| 30°        | 50°         | 32,55                   | 26,54             | 30                 |
| 35°        | 50°         | 35,38                   | 28,06             | 30                 |
| 40°        | 50°         | 38,57                   | 30,00             | 30                 |
| 45°        | 50°         | 42,26                   | 32,50             | 30                 |
| 50°        | 50°         | 46,67                   | 35,75             | 30                 |
| 55°        | 50°         | 52,10                   | 40,07             | 30                 |
| 60°        | 50°         | 59,09                   | 45,96             | 30                 |
| 65°        | 55°         | 58,26                   | 48,46             | 25                 |
| 70°        | 60°         | 57,59                   | 50,64             | 20                 |





## AERIAL CAM UNIT - OBEN HÄNGENDER SCHIEBER - UNITÀ A CAMME SOSPESA

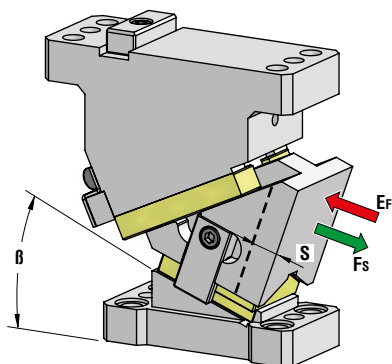
## SLIDER STRUCTURE, POSITIVE RETURN STRUCTURE AND CLEARANCES



## PART LIST

| Particular number | Description                             | Material                        | Quantity |
|-------------------|-----------------------------------------|---------------------------------|----------|
| 1                 | Cam Base                                | GGG-50                          | 1        |
| 2                 | Cam Slider                              | GGG-50                          | 1        |
| 3                 | Plate                                   | CuZn25Al5 + Graphite - HB > 190 | 1        |
| 4                 | Cam Driver                              | GG-25                           | 1        |
| 5                 | Guide Bar                               | 42CrMo4 + Graphite              | 1        |
| 6                 | Positive Return                         | CK45                            | 1        |
| 7                 | Male "V" Driver                         | CuZn25Al5 + Graphite - HB > 190 | 1        |
| 8                 | Spring Block                            | St44                            | 1        |
| 9                 | Safety Plate                            | St44                            | 1        |
| 10                | Spring                                  | -                               | 1        |
| 11                | Elastomer Cap                           | Elastomer 92SH                  | 2        |
| 12                | Key                                     | CK45                            | 1        |
| 13                | Spring Spacer                           | CK45                            | 1        |
| 14                | Cam Driver Fixing Screws M10x35 DIN 912 | -                               | 4        |
| 15                | Cam Base Fixing Screws M10x40 DIN 912   | -                               | 4        |

## AERIAL CAM UNIT - OBEN HÄNGENDER SCHIEBER - UNITÀ A CAMME SOSPESA



| OMCR CODE | Work Angle | Stroke (mm) | Max Work Force with shoulder (kN) | Extraction Force (kN) |
|-----------|------------|-------------|-----------------------------------|-----------------------|
|           | β          | S           | Fs                                | Ef<br>Spring          |
| CLC065.00 | 0°         | 14,99       | 42                                | 0,94                  |
| CLC065.05 | 5°         | 15,07       | 42                                | 0,89                  |
| CLC065.10 | 10°        | 15,22       | 42                                | 0,91                  |
| CLC065.15 | 15°        | 15,51       | 42                                | 0,87                  |
| CLC065.20 | 20°        | 16,49       | 42                                | 0,87                  |
| CLC065.25 | 25°        | 17,10       | 42                                | 0,79                  |
| CLC065.30 | 30°        | 18,51       | 42                                | 0,85                  |
| CLC065.35 | 35°        | 19,57       | 42                                | 0,77                  |
| CLC065.40 | 40°        | 21,46       | 42                                | 0,85                  |
| CLC065.45 | 45°        | 23,25       | 42                                | 0,77                  |
| CLC065.50 | 50°        | 26,50       | 42                                | 0,79                  |
| CLC065.55 | 55°        | 29,70       | 42                                | 0,70                  |
| CLC065.60 | 60°        | 34,97       | 42                                | 0,64                  |
| CLC065.65 | 65°        | 41,37       | 42                                | 0,54                  |
| CLC065.70 | 70°        | 51,12       | 42                                | 0,44                  |

## OPTION CODE

|    |                    |
|----|--------------------|
| SL | 1 ÷ 60 (1mm steps) |
|----|--------------------|

## OPTION CODE

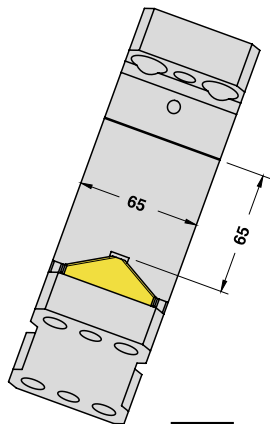


| Art.   | Work Angle = 5° | SL   |
|--------|-----------------|------|
| CLC065 | 05              | SL55 |

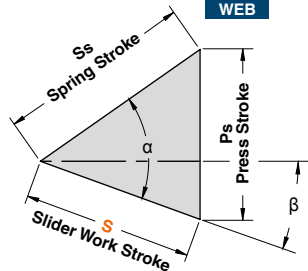
| OMCR CODE | Work Angle | Overall Dimensions (mm) |        |     |       |     |
|-----------|------------|-------------------------|--------|-----|-------|-----|
|           | β          | A                       | B      | C   | D     | E   |
| CLC065.00 | 0°         | 170                     | 53     | 60  | 190   | 180 |
| CLC065.05 | 5°         | 171,41                  | 60,27  | 55  | 185   | 180 |
| CLC065.10 | 10°        | 177,16                  | 63,06  | 55  | 185   | 180 |
| CLC065.15 | 15°        | 177,20                  | 66,33  | 50  | 180   | 180 |
| CLC065.20 | 20°        | 176,51                  | 70,01  | 40  | 170   | 180 |
| CLC065.25 | 25°        | 172,94                  | 75,64  | 35  | 165   | 180 |
| CLC065.30 | 30°        | 177,78                  | 78,32  | 30  | 160   | 180 |
| CLC065.35 | 35°        | 173,29                  | 83,25  | 20  | 150   | 180 |
| CLC065.40 | 40°        | 170,78                  | 82,44  | 10  | 140   | 180 |
| CLC065.45 | 45°        | 165,50                  | 86,51  | 2,5 | 132,5 | 180 |
| CLC065.50 | 50°        | 165,41                  | 96,79  | -5  | 125   | 190 |
| CLC065.55 | 55°        | 159,51                  | 99,89  | -10 | 120   | 190 |
| CLC065.60 | 60°        | 156,68                  | 120,78 | -20 | 110   | 210 |
| CLC065.65 | 65°        | 150,33                  | 122,80 | -25 | 105   | 210 |
| CLC065.70 | 70°        | 146,45                  | 131,68 | -32 | 98    | 210 |

## AERIAL CAM UNIT - OBEN HÄNGENDER SCHIEBER - UNITÀ A CAMME SOSPESA

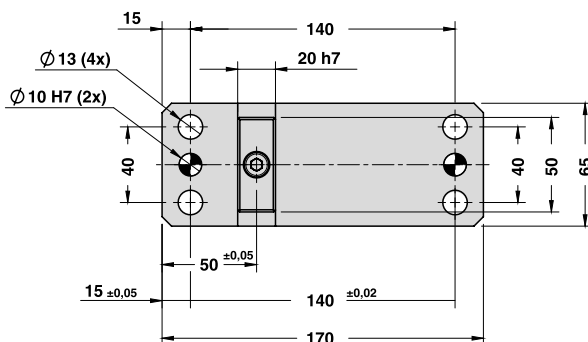
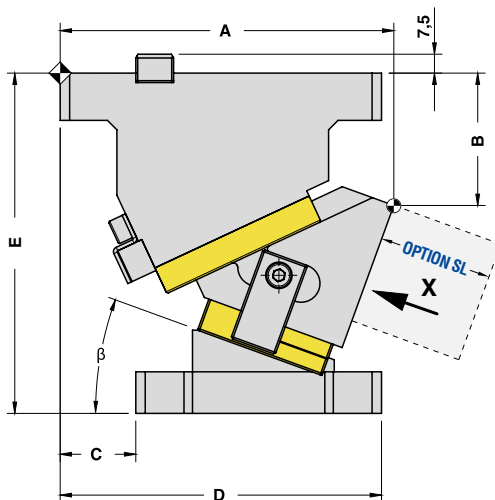
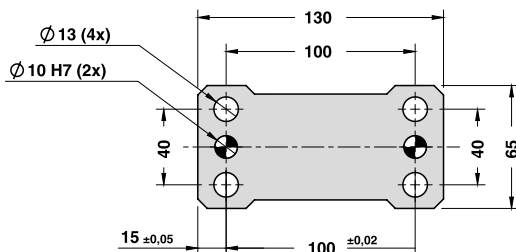
## X VIEW



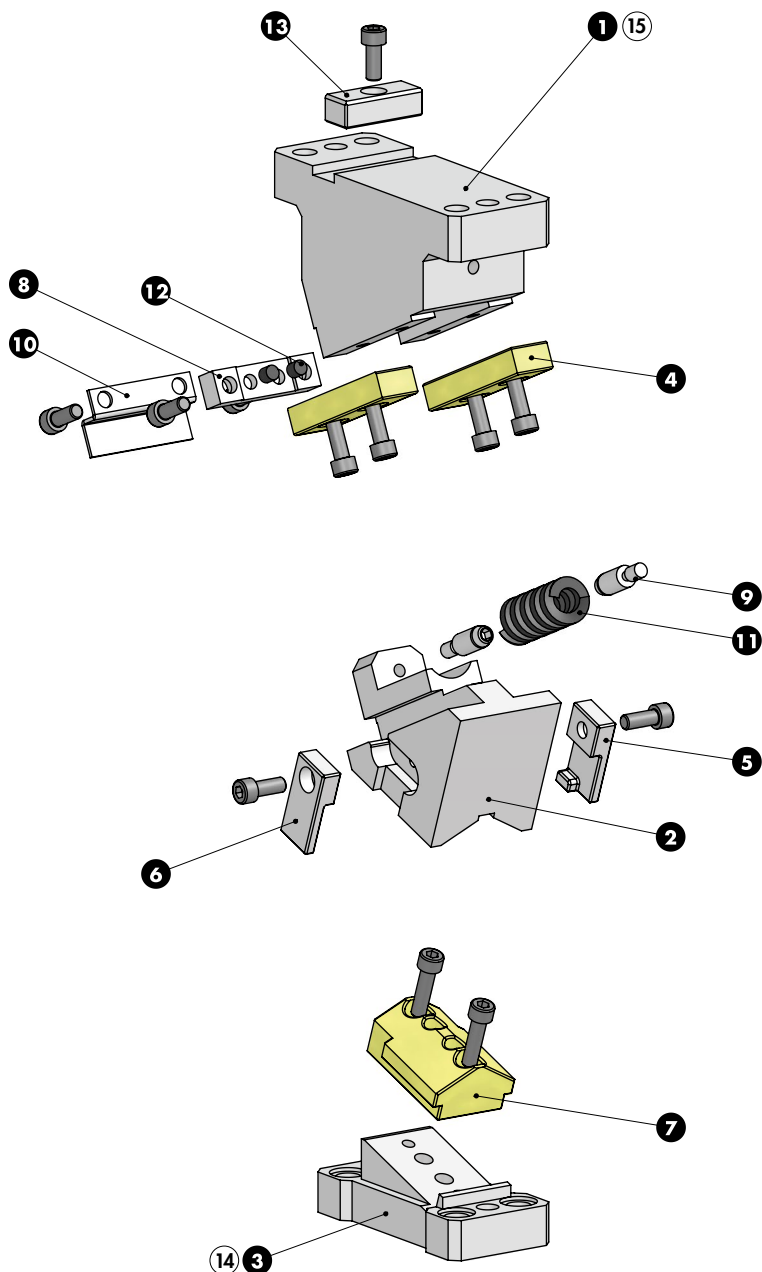
## CAM DIAGRAM



| Work Angle | Inner Angle | Slider Work Stroke (mm) | Press Stroke (mm) | Spring Stroke (mm) |
|------------|-------------|-------------------------|-------------------|--------------------|
| $\beta$    | $\alpha$    | S                       | Ps                | Ss                 |
| 0°         | 45°         | 14,99                   | 14,99             | 21,2               |
| 5°         | 45°         | 15,07                   | 13,91             | 19,6               |
| 10°        | 45°         | 15,22                   | 13,14             | 18,3               |
| 15°        | 45°         | 15,51                   | 12,66             | 17,3               |
| 20°        | 45°         | 16,49                   | 12,87             | 17,1               |
| 25°        | 50°         | 17,10                   | 14,45             | 17,1               |
| 30°        | 45°         | 18,51                   | 13,55             | 16,6               |
| 35°        | 50°         | 19,57                   | 15,52             | 16,6               |
| 40°        | 45°         | 21,46                   | 15,23             | 16,5               |
| 45°        | 50°         | 23,25                   | 17,88             | 16,5               |
| 50°        | 45°         | 26,50                   | 18,81             | 17,1               |
| 55°        | 50°         | 29,70                   | 22,84             | 17,1               |
| 60°        | 45°         | 34,97                   | 25,60             | 18,1               |
| 65°        | 50°         | 41,37                   | 32,81             | 18,1               |
| 70°        | 55°         | 51,12                   | 43,35             | 18,1               |

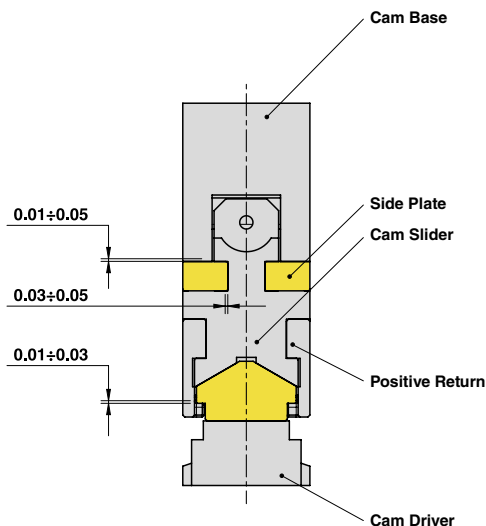


## AERIAL CAM UNIT - OBEN HÄNGENDER SCHIEBER - UNITÀ A CAMME SOSPESA



## AERIAL CAM UNIT - OBEN HÄNGENDER SCHIEBER - UNITÀ A CAMME SOSPESA

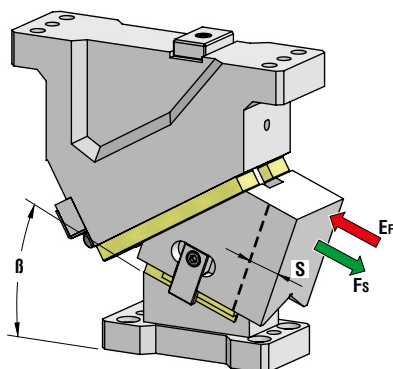
## SLIDER STRUCTURE, POSITIVE RETURN STRUCTURE AND CLEARANCES



## PART LIST

| Particular number | Description                             | Material                        | Quantity |
|-------------------|-----------------------------------------|---------------------------------|----------|
| 1                 | Cam Base                                | GGG-45                          | 1        |
| 2                 | Cam Slider                              | GG-25                           | 1        |
| 3                 | Cam Driver                              | GG-25                           | 1        |
| 4                 | Side Plate                              | CuZn25Al5 + Graphite - HB > 190 | 2        |
| 5                 | Positive Return R                       | CK45                            | 1        |
| 6                 | Positive Return L                       | CK45                            | 1        |
| 7                 | Male "V" Driver                         | CuZn25Al5 + Graphite - HB > 190 | 1        |
| 8                 | Stopper Plate                           | St44                            | 1        |
| 9                 | Spring Guide Pin                        | 34CrMo4                         | 2        |
| 10                | Safety Plate                            | St44                            | 1        |
| 11                | Spring                                  | -                               | 1        |
| 12                | Elastomer Cap                           | Elastomer 92SH                  | 2        |
| 13                | Key                                     | CK45                            | 1        |
| 14                | Cam Driver Fixing Screws M12x35 DIN 912 | -                               | 4        |
| 15                | Cam Base Fixing Screws M12x35 DIN 912   | -                               | 4        |

## AERIAL CAM UNIT - OBEN HÄNGENDER SCHIEBER - UNITÀ A CAMME SOSPESA



| OMCR CODE | Work Angle | Max Stroke (mm) | Max Work Force with shoulder (kN) | Extraction Force (kN) |
|-----------|------------|-----------------|-----------------------------------|-----------------------|
|           | β          | S               | Fs                                | Ef<br>Spring          |
| CLC080.00 | 0°         | 32,14           | 83                                | 1,09                  |
| CLC080.05 | 5°         | 38,45           | 83                                | 1,20                  |
| CLC080.10 | 10°        | 38,89           | 83                                | 1,09                  |
| CLC080.15 | 15°        | 39,65           | 83                                | 0,97                  |
| CLC080.20 | 20°        | 46,08           | 83                                | 1,09                  |
| CLC080.25 | 25°        | 47,78           | 83                                | 0,97                  |
| CLC080.30 | 30°        | 54,25           | 83                                | 1,09                  |
| CLC080.35 | 35°        | 57,36           | 83                                | 0,97                  |
| CLC080.40 | 40°        | 64,28           | 83                                | 1,09                  |
| CLC080.45 | 45°        | 69,64           | 83                                | 0,97                  |
| CLC080.50 | 50°        | 77,79           | 83                                | 1,09                  |
| CLC080.55 | 55°        | 87,17           | 83                                | 0,97                  |
| CLC080.60 | 60°        | 98,48           | 83                                | 0,85                  |
| CLC080.65 | 65°        | 81,56           | 83                                | 0,65                  |
| CLC080.70 | 70°        | 86,38           | 83                                | 0,58                  |

## OPTION CODE

|    |                    |
|----|--------------------|
| SL | 1 ÷ 60 (1mm steps) |
| SW | 100 or 120 mm      |
| N  | Ø 16 H7            |

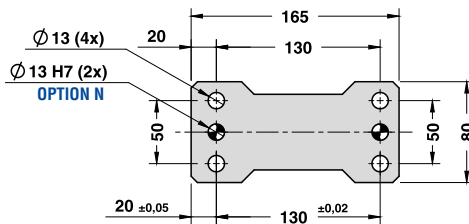
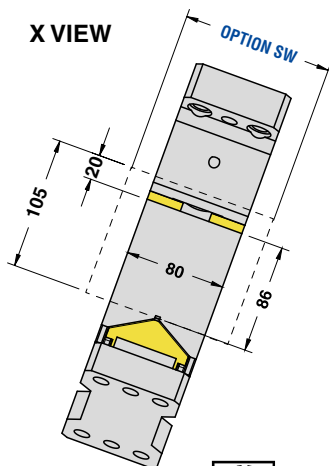
## OPTION CODE



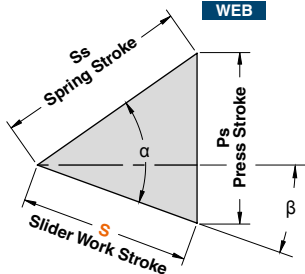
| Art.   | Work Angle = 5° | SL   | SW    | N   |
|--------|-----------------|------|-------|-----|
| CLC080 | 05              | SL55 | SW120 | N16 |

| OMCR CODE | Work Angle | Overall Dimensions (mm) |        |     |     |     |
|-----------|------------|-------------------------|--------|-----|-----|-----|
|           | β          | A                       | B      | C   | D   | E   |
| CLC080.00 | 0°         | 260                     | 99     | 100 | 265 | 130 |
| CLC080.05 | 5°         | 272,93                  | 109,39 | 100 | 265 | 150 |
| CLC080.10 | 10°        | 279,92                  | 120,43 | 100 | 265 | 150 |
| CLC080.15 | 15°        | 285,93                  | 132,04 | 100 | 265 | 150 |
| CLC080.20 | 20°        | 285,90                  | 129,12 | 90  | 255 | 170 |
| CLC080.25 | 25°        | 289,80                  | 141,60 | 90  | 255 | 170 |
| CLC080.30 | 30°        | 282,59                  | 134,36 | 75  | 240 | 170 |
| CLC080.35 | 35°        | 284,27                  | 147,32 | 75  | 240 | 170 |
| CLC080.40 | 40°        | 274,80                  | 140,38 | 60  | 225 | 170 |
| CLC080.45 | 45°        | 274,20                  | 153,44 | 60  | 225 | 170 |
| CLC080.50 | 50°        | 262,46                  | 151,39 | 35  | 200 | 170 |
| CLC080.55 | 55°        | 259,60                  | 164,14 | 35  | 200 | 170 |
| CLC080.60 | 60°        | 240,64                  | 176,59 | 0   | 165 | 170 |
| CLC080.65 | 65°        | 235,61                  | 188,65 | -5  | 160 | 170 |
| CLC080.70 | 70°        | 227,83                  | 195,53 | -10 | 155 | 170 |

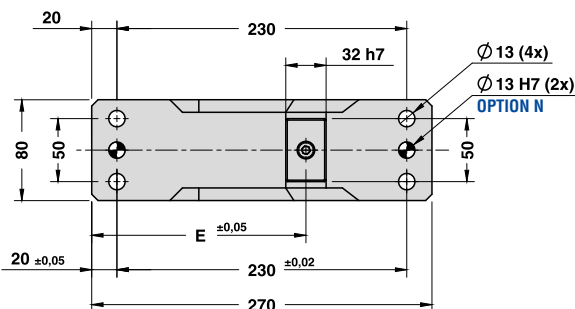
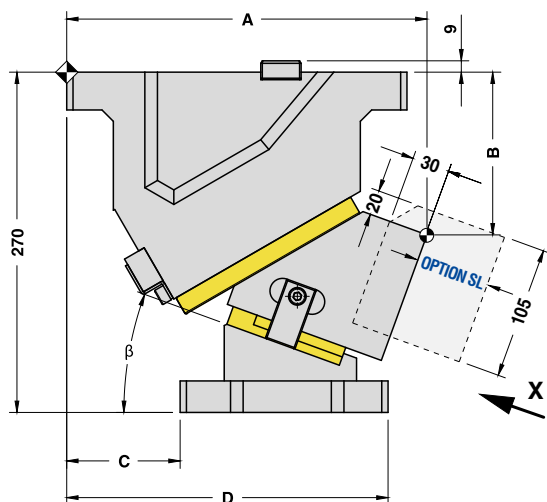
## AERIAL CAM UNIT - OBEN HÄNGENDER SCHIEBER - UNITÀ A CAMME SOSPESA



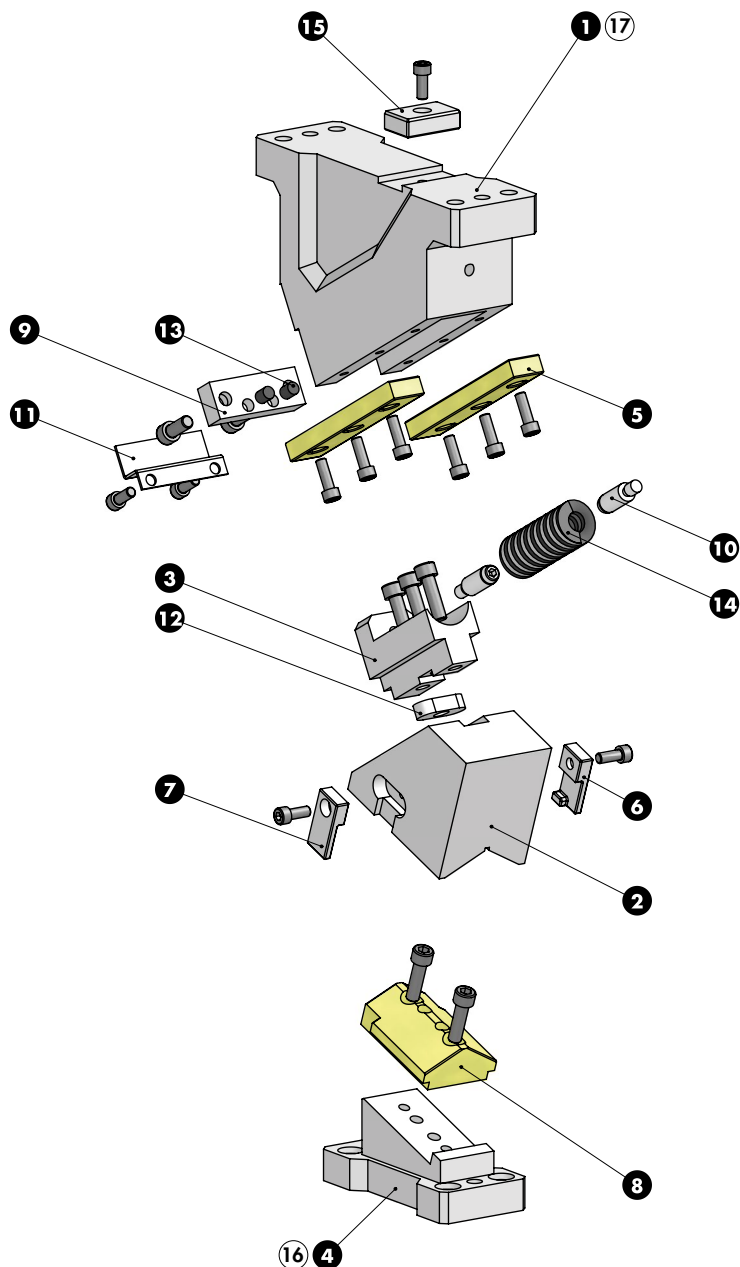
## CAM DIAGRAM



| Work Angle | Inner Angle | Slider Work Stroke (mm) | Press Stroke (mm) | Spring Stroke (mm) |
|------------|-------------|-------------------------|-------------------|--------------------|
| $\beta$    | $\alpha$    | S                       | Ps                | Ss                 |
| 0°         | 50°         | 32,14                   | 38,30             | 50                 |
| 5°         | 45°         | 38,45                   | 35,49             | 50                 |
| 10°        | 50°         | 38,89                   | 38,89             | 50                 |
| 15°        | 55°         | 39,65                   | 42,40             | 50                 |
| 20°        | 50°         | 46,08                   | 40,76             | 50                 |
| 25°        | 55°         | 47,78                   | 45,19             | 50                 |
| 30°        | 50°         | 54,25                   | 44,23             | 50                 |
| 35°        | 55°         | 57,36                   | 50,00             | 50                 |
| 40°        | 50°         | 64,28                   | 50,00             | 50                 |
| 45°        | 55°         | 69,64                   | 57,92             | 50                 |
| 50°        | 50°         | 77,79                   | 59,59             | 50                 |
| 55°        | 55°         | 87,17                   | 71,41             | 50                 |
| 60°        | 50°         | 98,48                   | 76,60             | 50                 |
| 65°        | 55°         | 81,56                   | 67,84             | 35                 |
| 70°        | 60°         | 86,38                   | 75,96             | 30                 |

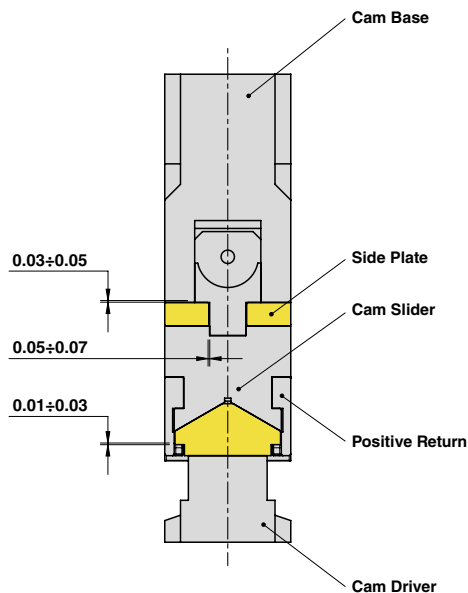


## AERIAL CAM UNIT - OBEN HÄNGENDER SCHIEBER - UNITÀ A CAMME SOSPESA



## AERIAL CAM UNIT - OBEN HÄNGENDER SCHIEBER - UNITÀ A CAMME SOSPESA

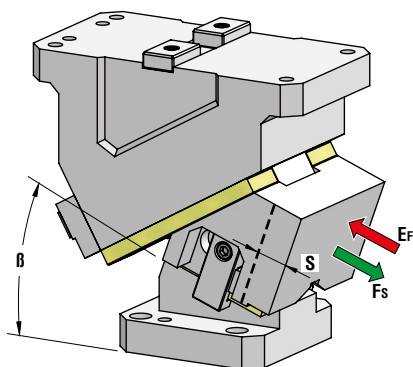
## SLIDER STRUCTURE, POSITIVE RETURN STRUCTURE AND CLEARANCES



## PART LIST

| Particular number | Description                             | Material                        | Quantity |
|-------------------|-----------------------------------------|---------------------------------|----------|
| 1                 | Cam Base                                | GGG-45                          | 1        |
| 2                 | Cam Slider                              | GG-25                           | 1        |
| 3                 | Spring Guide Block                      | GGG-45 + Graphite               | 1        |
| 4                 | Cam Driver                              | GG-25                           | 1        |
| 5                 | Side Plate                              | CuZn25Al5 + Graphite - HB > 190 | 2        |
| 6                 | Positive Return R                       | CK45                            | 1        |
| 7                 | Positive Return L                       | CK45                            | 1        |
| 8                 | Male "V" Driver                         | CuZn25Al5 + Graphite - HB > 190 | 1        |
| 9                 | Stopper Plate                           | St44                            | 1        |
| 10                | Spring Guide Pin                        | 34CrMo4                         | 2        |
| 11                | Safety Plate                            | St44                            | 1        |
| 12                | Key                                     | CK45                            | 1        |
| 13                | Elastomer Cap                           | Elastomer 92SH                  | 2        |
| 14                | Spring                                  | -                               | 1        |
| 15                | Key                                     | CK45                            | 1        |
| 16                | Cam Driver Fixing Screws M12x40 DIN 912 | -                               | 4        |
| 17                | Cam Base Fixing Screws M12x45 DIN 912   | -                               | 4        |

## AERIAL CAM UNIT - OBEN HÄNGENDER SCHIEBER - UNITÀ A CAMME SOSPESA



| OMCR CODE | Work Angle<br>$\beta$ | Max Stroke (mm)<br>S | Max Work Force with shoulder (kN)<br>F <sub>s</sub> | Extraction Force (kN)    |
|-----------|-----------------------|----------------------|-----------------------------------------------------|--------------------------|
|           |                       |                      |                                                     | E <sub>f</sub><br>Spring |
| CLC150.00 | 0°                    | 32,14                | 140                                                 | 4,18                     |
| CLC150.05 | 5°                    | 32,26                | 140                                                 | 3,73                     |
| CLC150.10 | 10°                   | 38,89                | 140                                                 | 4,18                     |
| CLC150.15 | 15°                   | 39,65                | 140                                                 | 3,73                     |
| CLC150.20 | 20°                   | 46,08                | 140                                                 | 4,18                     |
| CLC150.25 | 25°                   | 47,78                | 140                                                 | 3,73                     |
| CLC150.30 | 30°                   | 54,25                | 140                                                 | 4,18                     |
| CLC150.35 | 35°                   | 57,36                | 140                                                 | 3,73                     |
| CLC150.40 | 40°                   | 64,28                | 140                                                 | 4,18                     |
| CLC150.45 | 45°                   | 69,64                | 140                                                 | 3,73                     |
| CLC150.50 | 50°                   | 77,79                | 140                                                 | 4,18                     |
| CLC150.55 | 55°                   | 87,17                | 140                                                 | 3,73                     |
| CLC150.60 | 60°                   | 98,48                | 140                                                 | 3,25                     |
| CLC150.65 | 65°                   | 93,21                | 140                                                 | 2,40                     |
| CLC150.70 | 70°                   | 86,38                | 140                                                 | 1,66                     |

## OPTION CODE

|   |        |
|---|--------|
| N | Ø16 H7 |
|---|--------|

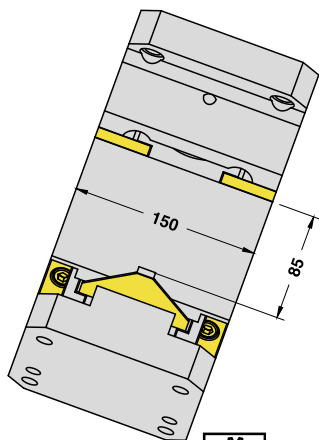


| OPTION CODE |                 |     |
|-------------|-----------------|-----|
| Art.        | Work Angle = 5° | N   |
| CLC150      | 05              | N16 |

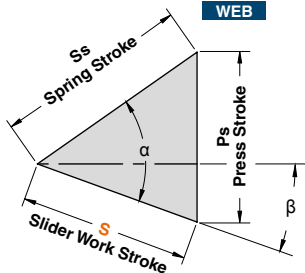
| OMCR CODE | Work Angle<br>$\beta$ | Overall Dimensions (mm) |        |     |     |     |
|-----------|-----------------------|-------------------------|--------|-----|-----|-----|
|           |                       | A                       | B      | C   | D   | E   |
| CLC150.00 | 0°                    | 280                     | 85     | 120 | 270 | 100 |
| CLC150.05 | 5°                    | 288,26                  | 95,84  | 115 | 265 | 100 |
| CLC150.10 | 10°                   | 285,54                  | 102,36 | 105 | 255 | 100 |
| CLC150.15 | 15°                   | 291,79                  | 114,47 | 105 | 255 | 100 |
| CLC150.20 | 20°                   | 286,97                  | 122,07 | 90  | 240 | 135 |
| CLC150.25 | 25°                   | 291,02                  | 135,08 | 90  | 240 | 135 |
| CLC150.30 | 30°                   | 283,92                  | 138,40 | 70  | 220 | 135 |
| CLC150.35 | 35°                   | 285,66                  | 151,91 | 70  | 220 | 135 |
| CLC150.40 | 40°                   | 276,20                  | 155,53 | 45  | 195 | 170 |
| CLC150.45 | 45°                   | 275,56                  | 169,14 | 45  | 195 | 170 |
| CLC150.50 | 50°                   | 263,74                  | 167,65 | 25  | 175 | 170 |
| CLC150.55 | 55°                   | 260,74                  | 180,94 | 25  | 175 | 170 |
| CLC150.60 | 60°                   | 246,60                  | 193,92 | 0   | 150 | 170 |
| CLC150.65 | 65°                   | 241,35                  | 206,49 | 0   | 150 | 170 |
| CLC150.70 | 70°                   | 240,01                  | 218,56 | -5  | 145 | 170 |

## AERIAL CAM UNIT - OBEN HÄNGENDER SCHIEBER - UNITÀ A CAMME SOSPESA

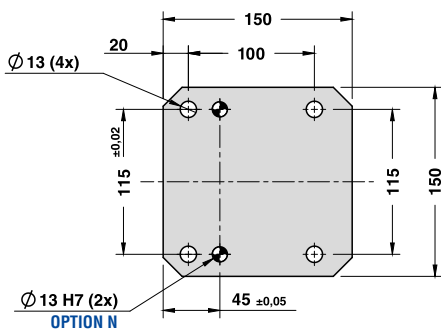
## X VIEW



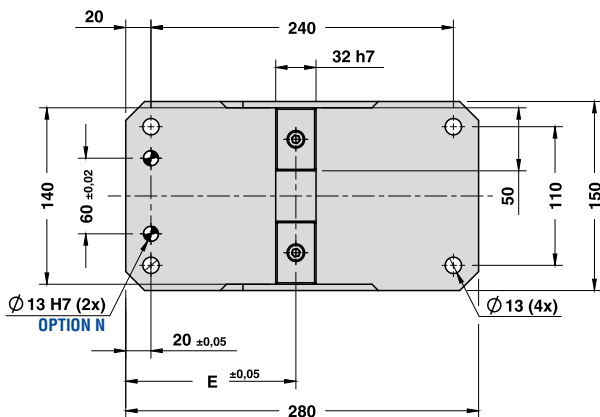
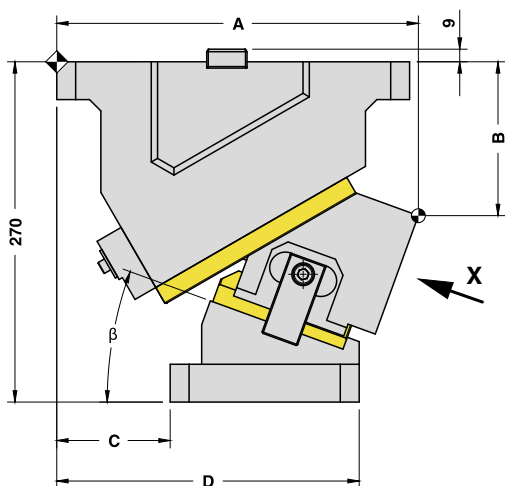
## CAM DIAGRAM



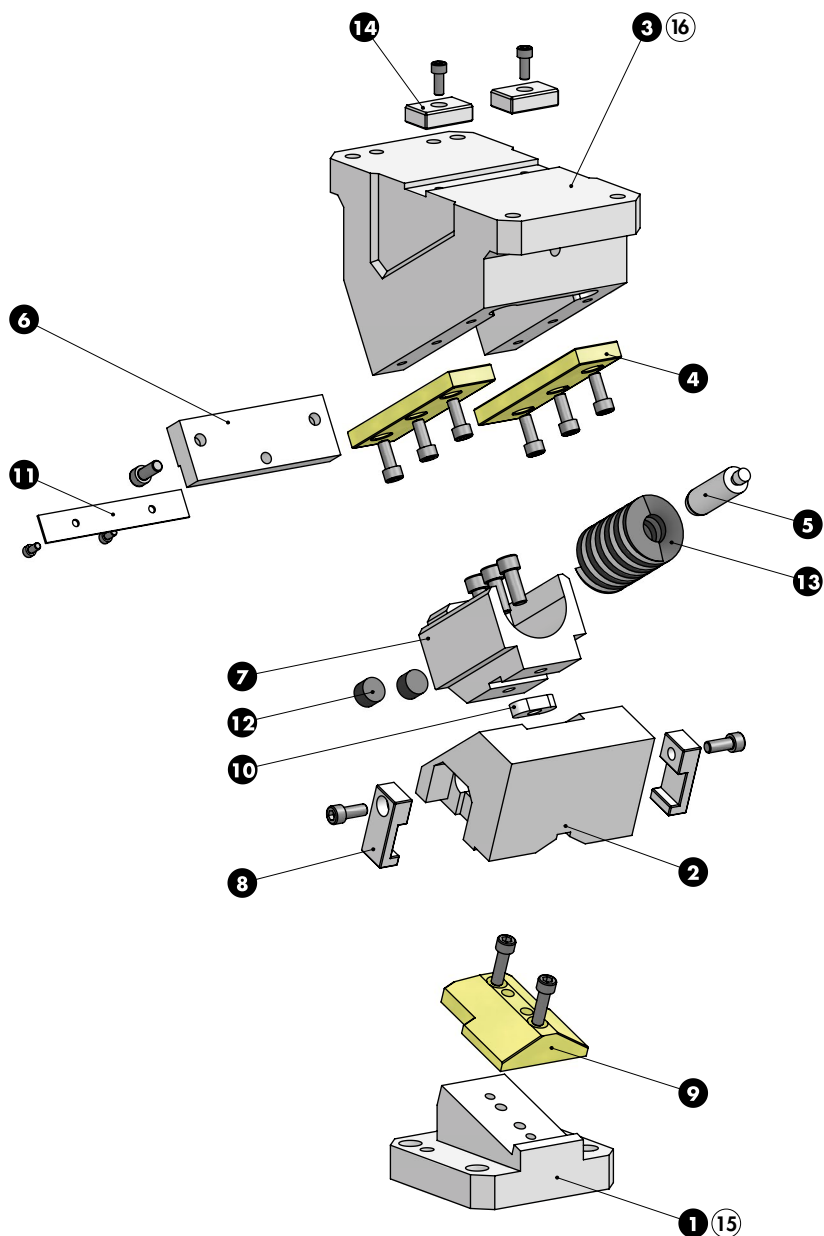
| Work Angle | Inner Angle | Slider Work Stroke (mm) | Press Stroke (mm) | Spring Stroke (mm) |
|------------|-------------|-------------------------|-------------------|--------------------|
| $\beta$    | $\alpha$    | S                       | Ps                | Ss                 |
| 0°         | 50°         | 32,14                   | 38,30             | 50                 |
| 5°         | 55°         | 32,26                   | 41,11             | 50                 |
| 10°        | 50°         | 38,89                   | 38,89             | 50                 |
| 15°        | 55°         | 39,65                   | 42,40             | 50                 |
| 20°        | 50°         | 46,08                   | 40,76             | 50                 |
| 25°        | 55°         | 47,78                   | 45,19             | 50                 |
| 30°        | 50°         | 54,25                   | 44,23             | 50                 |
| 35°        | 55°         | 57,36                   | 50,00             | 50                 |
| 40°        | 50°         | 64,28                   | 50,00             | 50                 |
| 45°        | 55°         | 69,64                   | 57,92             | 50                 |
| 50°        | 50°         | 77,79                   | 59,59             | 50                 |
| 55°        | 55°         | 87,17                   | 71,41             | 50                 |
| 60°        | 50°         | 98,48                   | 76,60             | 50                 |
| 65°        | 55°         | 93,21                   | 77,53             | 40                 |
| 70°        | 60°         | 86,38                   | 75,96             | 30                 |



OPTION N

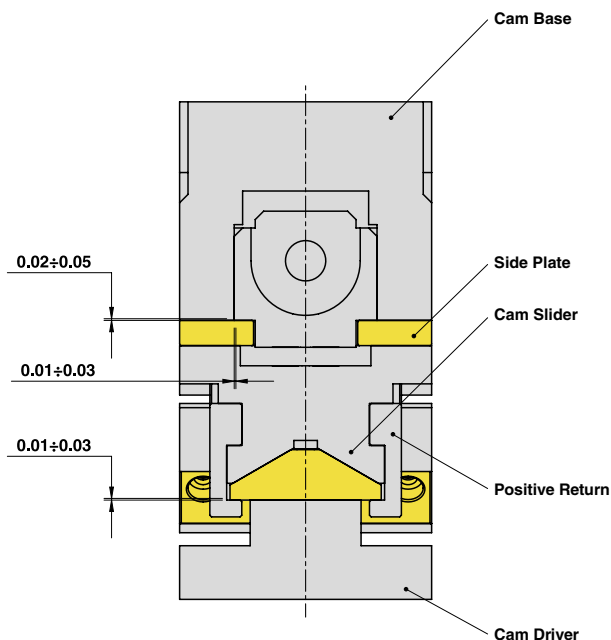


OPTION N



## AERIAL CAM UNIT - OBEN HÄNGENDER SCHIEBER - UNITÀ A CAMME SOSPESA

## SLIDER STRUCTURE, POSITIVE RETURN STRUCTURE AND CLEARANCES



## PART LIST

| Particular number | Description                             | Material                        | Quantity |
|-------------------|-----------------------------------------|---------------------------------|----------|
| 1                 | Cam Driver                              | GG-25                           | 1        |
| 2                 | Cam Slider                              | GG-25                           | 1        |
| 3                 | Cam Base                                | GG-25                           | 1        |
| 4                 | Side Plate                              | CuZn25Al5 + Graphite - HB > 190 | 2        |
| 5                 | Spring Guide Pin                        | 34CrMo4                         | 1        |
| 6                 | Stopper Plate                           | St44                            | 1        |
| 7                 | Spring Guide Block                      | GGG-45 + Graphite               | 1        |
| 8                 | Positive Return                         | CK45                            | 2        |
| 9                 | Male "V" Driver                         | CuZn25Al5 + Graphite - HB > 190 | 1        |
| 10                | Key                                     | CK45                            | 1        |
| 11                | Safety Plate                            | St44                            | 1        |
| 12                | Elastomer Cap                           | Elastomer 92SH                  | 2        |
| 13                | Spring                                  | -                               | 1        |
| 14                | Key                                     | CK45                            | 2        |
| 15                | Cam Driver Fixing Screws M12x45 DIN 912 | -                               | 4        |
| 16                | Cam Base Fixing Screws M12x45 DIN 912   | -                               | 4        |