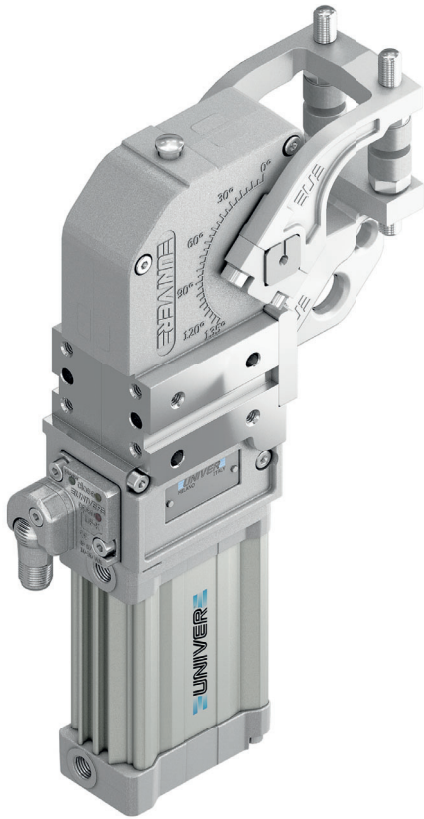


UGP 40

Pneumatic gripper unit Ø40 mm

Pneumatic gripper unit Ø40 mm typically used on End of Arm Tooling Systems for handling work pieces.

- Stepless adjustable opening angle
- Toggle-joint mechanism
- Integrated compensation
- Double or single movement
- Tips customisation
- Version with hand lever available
- Fixing pattern on 3 sides



4

CHARACTERISTICS

| | |
|------------------------------|----------------------|
| Operating temperature | 5° ÷ 45° C |
| Min./Max. Operating pressure | 0,4 / 0,6 MPa |
| Opening angle* | 0° ÷ 95° |
| Bore Ø | 40 mm |
| Holding moment | 600 Nm |
| Clamping moment (0,5 Mpa) | 170 N |
| Weight (Tips not included) | 2,1 Kg |
| Tip weight (each) | 0,3 Kg |
| Pneumatic supply ports | G1/8 on both sides |
| Sensor | electronic (optical) |
| Supply voltage | 10 ÷ 30 Vdc |
| IP code | IP 65 |

*The opening angle range may vary according to the arm position and style.

CODIFICATION KEY

UG | P | 40 | V | B | S | K | 0 | |

1 2 3 4 5 6 7 8 9



COMPENSATION





IRREVERSIBLE



ANGLE ADJUSTMENT

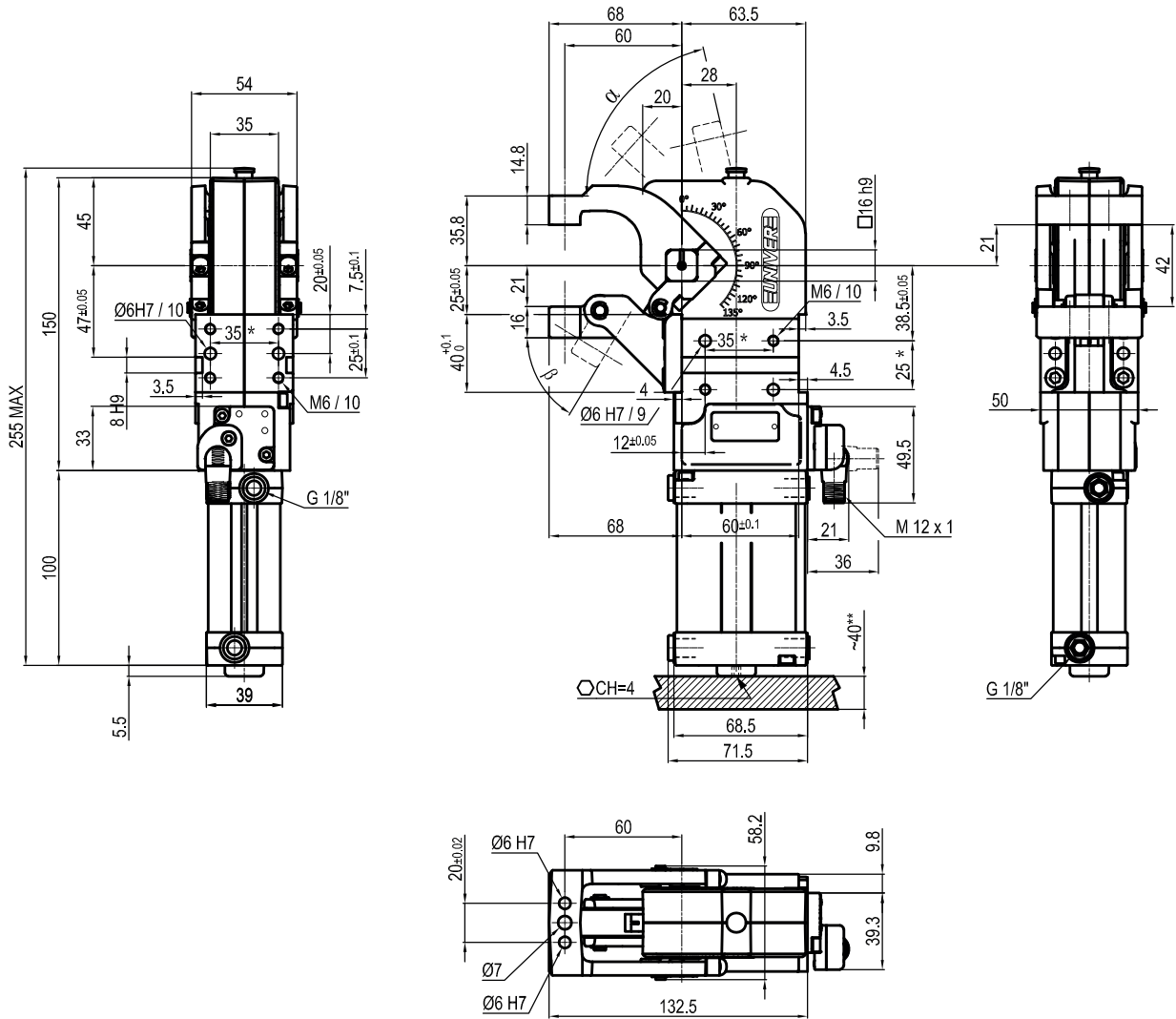


OPTICAL SENSOR

| | | | |
|---|--|---|---|
| 1 | SERIES UG = UNICLAMP Gripper units | 6 | JAW MATERIAL S = Steel jaws |
| 2 | VERSION P = Pneumatic | 7 | SENSOR N = No sensor (with protection plate) K = Electronic sensor PNP, M12 (DF-K) J = Electronic sensor NPN, optical (DF-J) Y = Electronic sensor PNP, M12 (DF-Y) white LED |
| 3 | SIZE 40 = Ø40 mm | 8 | PRODUCT REVISION Assigned by UNIVER |
| 4 | JAW POSITION V = 90°  O = 180°  | 9 | ATEX X = ATEX option See ATEX Catalogue for types and versions |
| 5 | MOVEMENT H = Double movement; no tips* F = Double movement; 1 pair of flat tips* B = Double movement; 2 pairs of flat tips* L = Single movement; 2 pairs of flat tips* 1 = Single movement; 1 pair of knurled tips 2 = Single movement; 2 pairs of knurled tips | | |

*available only for "V" jaw position

V/H | Jaw position and Movement
90° - Double movement; No tips



α Max. 77° β Max. 59°

* TOLERANCE BETWEEN DOWELS $\pm 0,02$, BETWEEN SCREW HOLES $\pm 0,1$
** AREA TO ACCESS ANGLE ADJUSTMENT

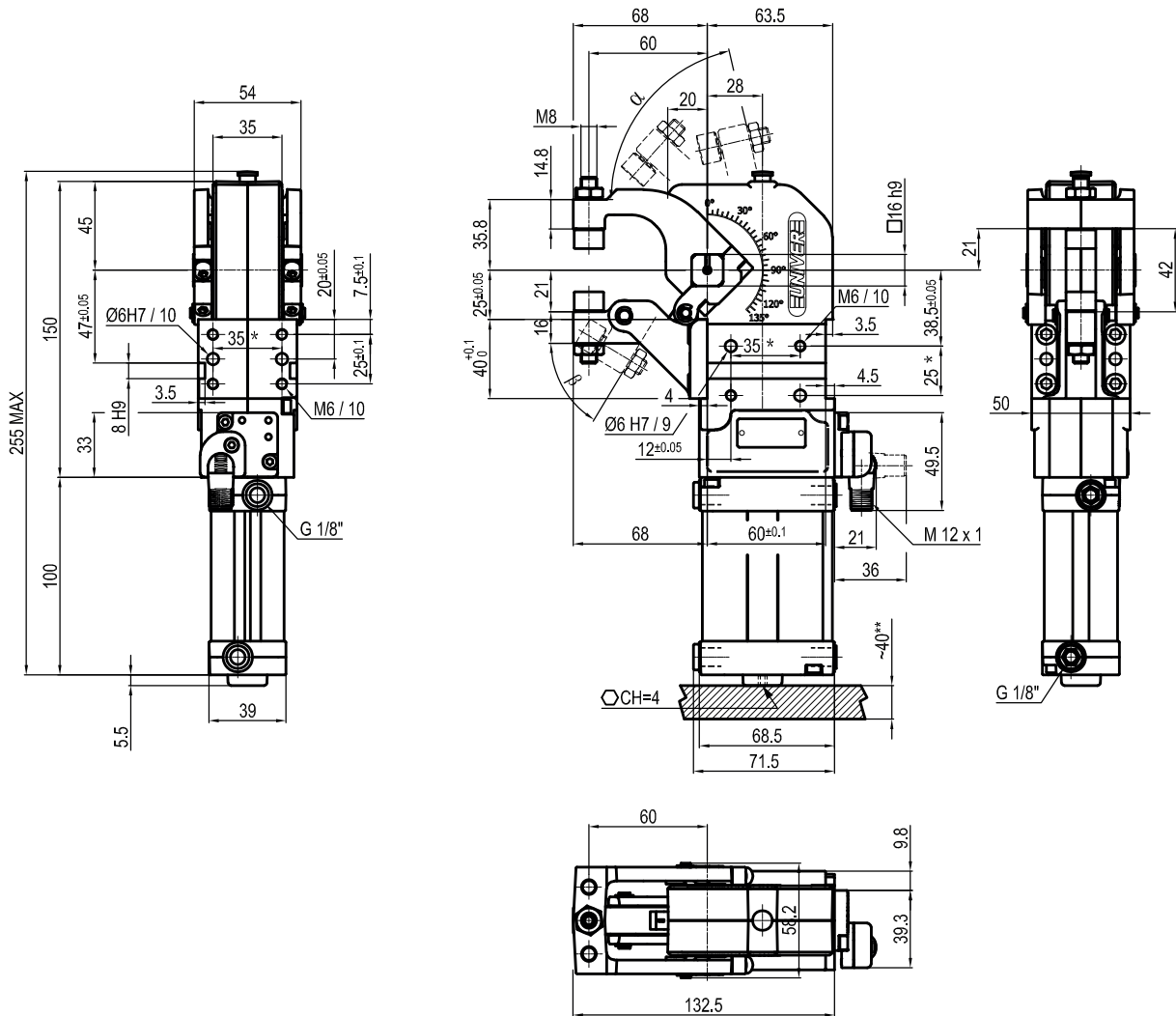
Sensors



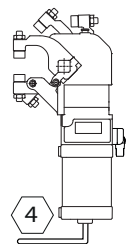
Electronic (optical)

- DF-K PNP M12
- DF-J NPN M12
- DF-Y PNP M12 White LED

V/F | Jaw position and Movement
90° - Double movement; One tip



α Max. 77° β Max. 59°



* TOLERANCE BETWEEN DOWELS $\pm 0,02$, BETWEEN SCREW HOLES $\pm 0,1$
** AREA TO ACCESS ANGLE ADJUSTMENT

Sensors

Tips



Electronic (optical)

- DF-K PNP M12
- DF-J NPN M12
- DF-Y PNP M12 White LED



2x

Flat
Self adjusting

LKPR1842-11

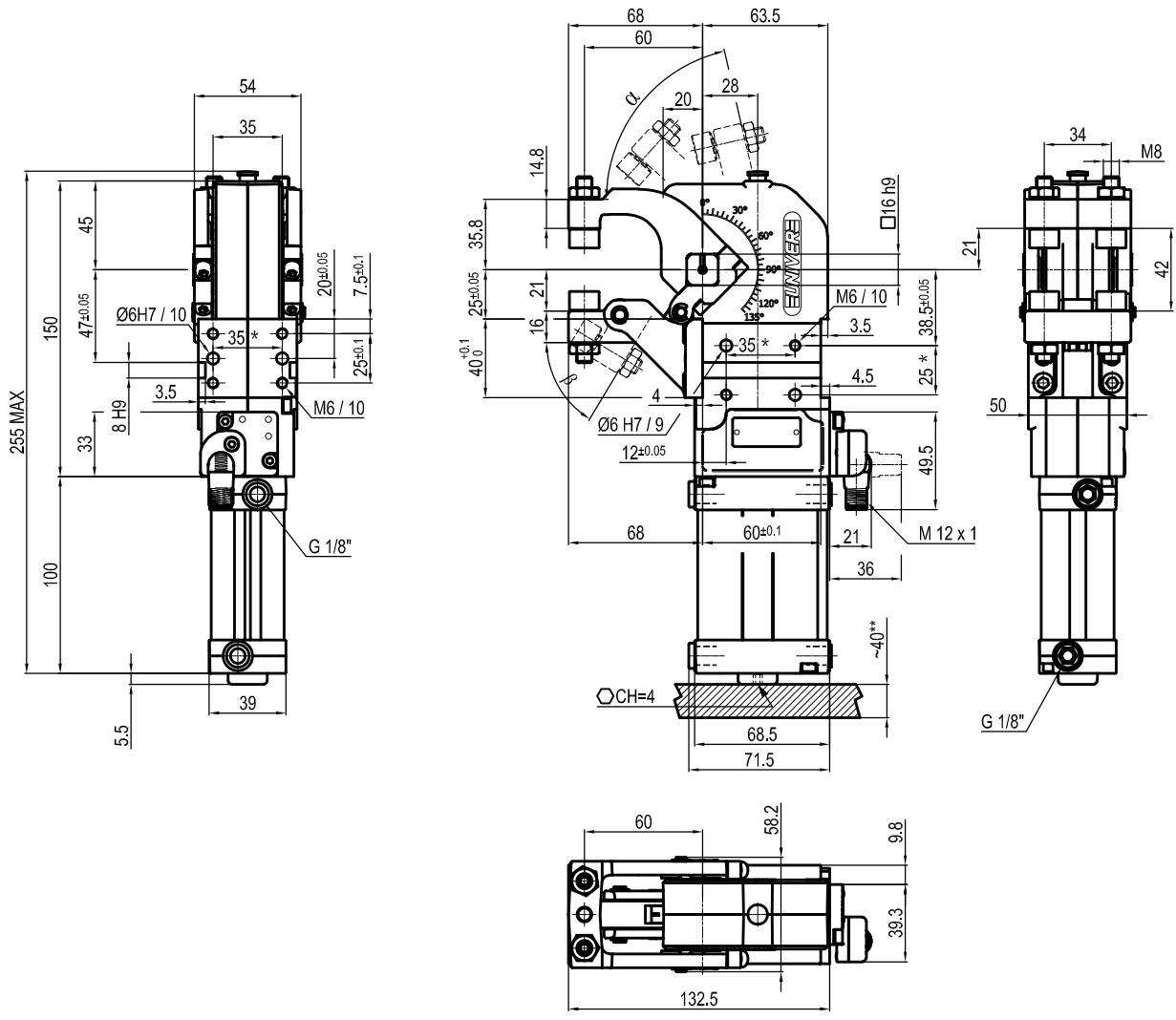


2x

Knurled

LGPK6940A-L

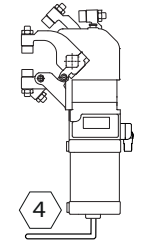
V/B | Jaw position and Movement
90° - Double movement; Two tips



4

* TOLERANCE BETWEEN DOWELS ± 0,02, BETWEEN SCREW HOLES ± 0,1
** AREA TO ACCESS ANGLE ADJUSTMENT

α Max. 77°
 β Max. 59°



Sensors

Tips

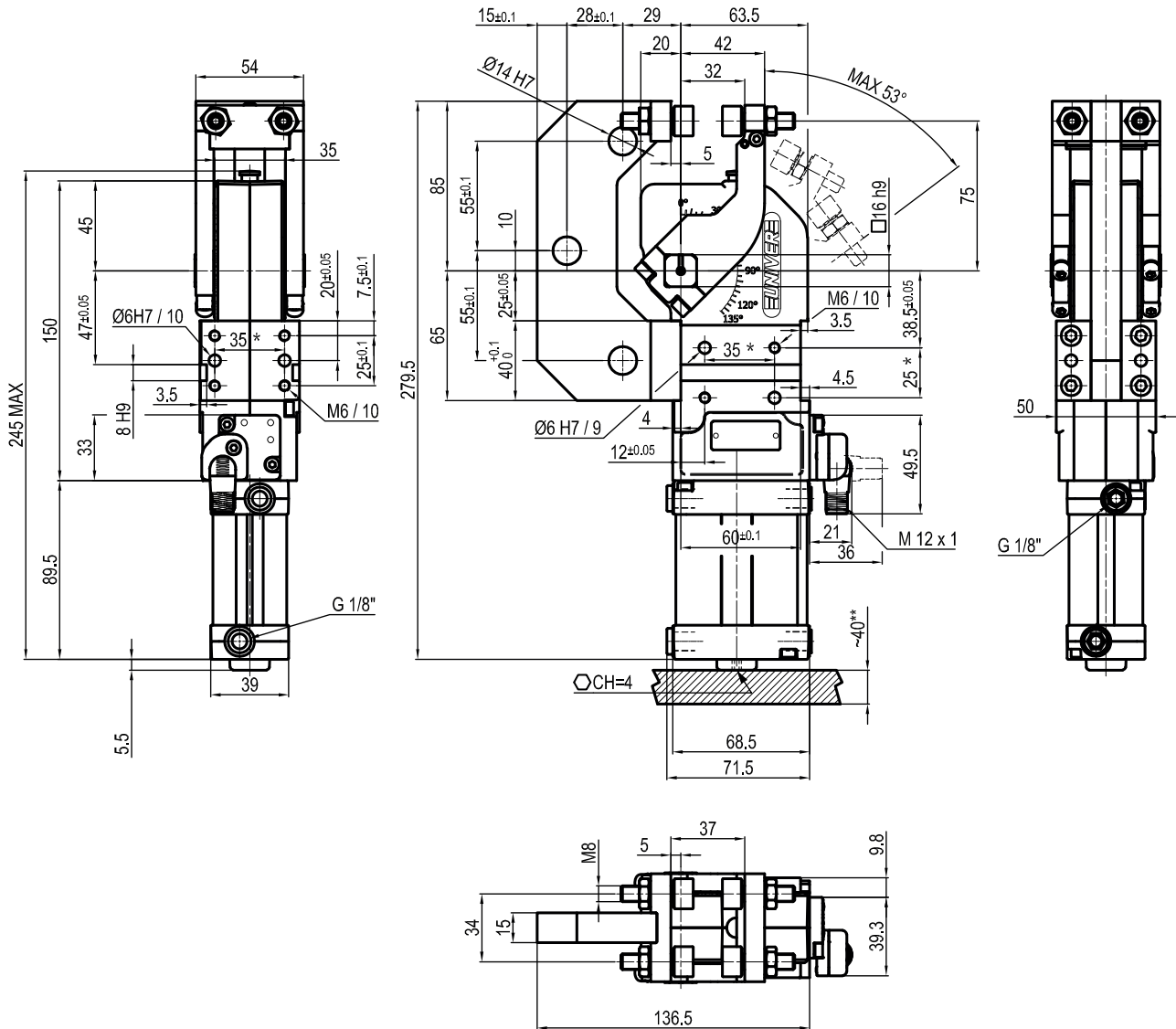


Electronic (optical)
DF-K PNP M12
DF-J NPN M12
DF-Y PNP M12 White LED

Flat
Self adjusting
LKPR1842-11

Knurled
LGPK6940A-L

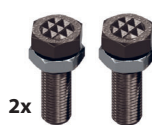
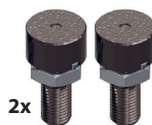
O/L | **Jaw position and Movement**
180° - Single movement; Two tips



* TOLERANCE BETWEEN DOWELS $\pm 0,02$, BETWEEN SCREW HOLES $\pm 0,1$
** AREA TO ACCESS ANGLE ADJUSTMENT

Sensors

Tips



Electronic (optical)

Flat
Self adjusting

Knurled

DF-K PNP M12
DF-J NPN M12
DF-Y PNP M12 White LED

LKPR1842-11

LGPK6940A-L