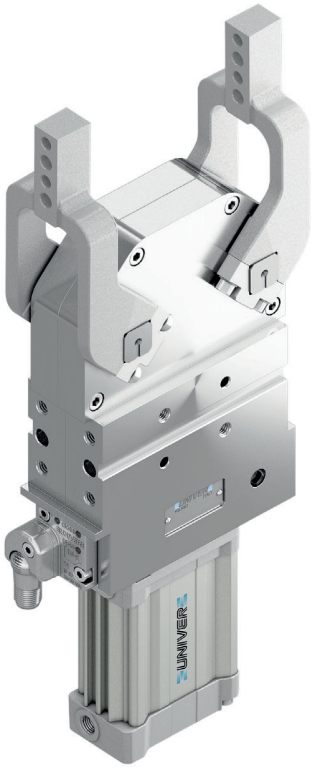
UCDP 40

Pneumatic power clamps Ø40 mm with double arm



Pneumatic power clamps size Ø40mm with double arm, compensation system, toggle-joint mechanism and stepless adjustable opening angle, typically used for holding and positioning metal sheets or workpieces.

- Lightweight aluminium construction
- Compact dimensions
- Integrated compensation system up to 3 mm
- Fully optical electronic sensor
- Fixing pattern on 4 sides
- Clamping arm in aluminium or steel

CHARACTERISTICS

Operating temperature	**5° ÷ 45° C**
Min./Max. Operating pressure	**0,4 / 0,6 MPa**
Opening angle*	**0° ÷ 180°**
Bore Ø	**40 mm**
Clamping moment (0,5 MPa)	**55 Nm**
Weight (clamping arm not included)	**2,7 Kg**
Pneumatic supply ports	**G1/8 on both sides**
Sensor	**electronic (optical)**
Supply voltage	**10 ÷ 30 Vdc**
IP code	**IP65**

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

COMPENSATION

LIGHTWEIGHT

IRREVERSIBLE

ANGLE ADJUSTMENT

OPTICAL SENSOR

COMPACT

CODIFICATION KEY

UC	D	P	40	D	A	A	K	0	
1	2	3	4	5	6	7	8	9	10

1 SERIES
UC = UNICLAMP Power clamps

2 STANDARD
D = With double arm

3 VERSION
P = Pneumatic

4 SIZE
40 = Ø 40 mm

5 ARM POSITION

D = Double arm



I = Double arm overturned (only 10mm offset)



N = No arm



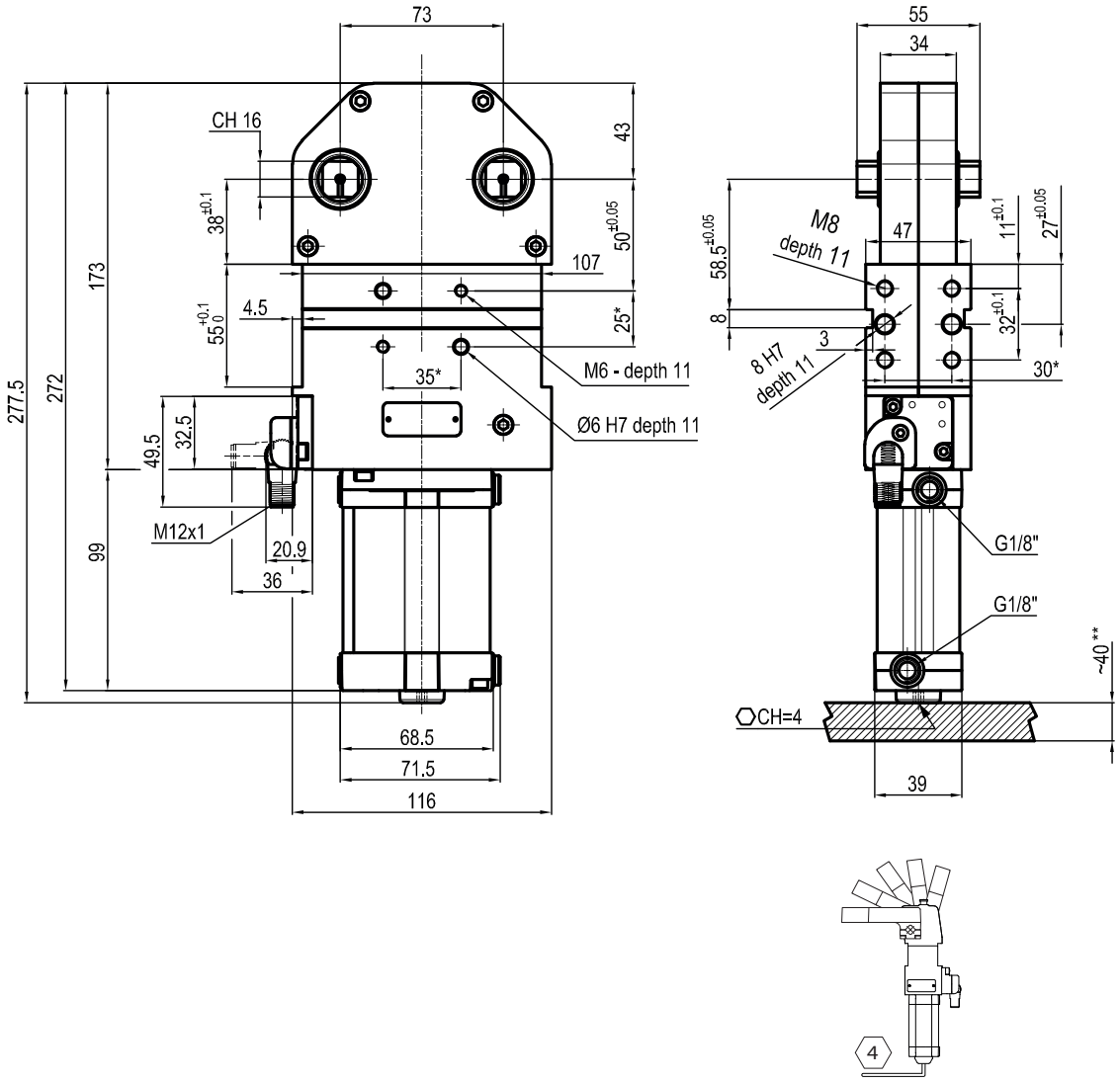
6 ARM STYLE
A = Central, 10 mm offset
B = Right, 10 mm offset
G = Left, 10 mm offset
C = Central, 15 mm offset
D = Right, 15 mm offset
S = Left, 15 mm offset
E = Central, 45 mm offset
F = Right, 45 mm offset
L = Left, 45 mm offset
N = No arm
For other versions contact our Sales Dept.

7 ARM TYPE
A = Aluminium
S = Steel
N = No arm

8 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

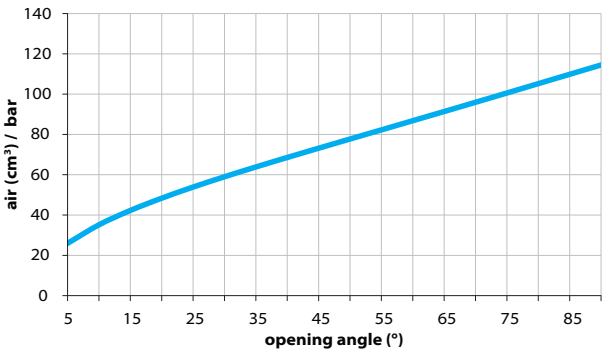
9 PRODUCT REVISION
Assigned by UNIVER

10 ATEX
X = ATEX option
See ATEX Catalogue for types and versions



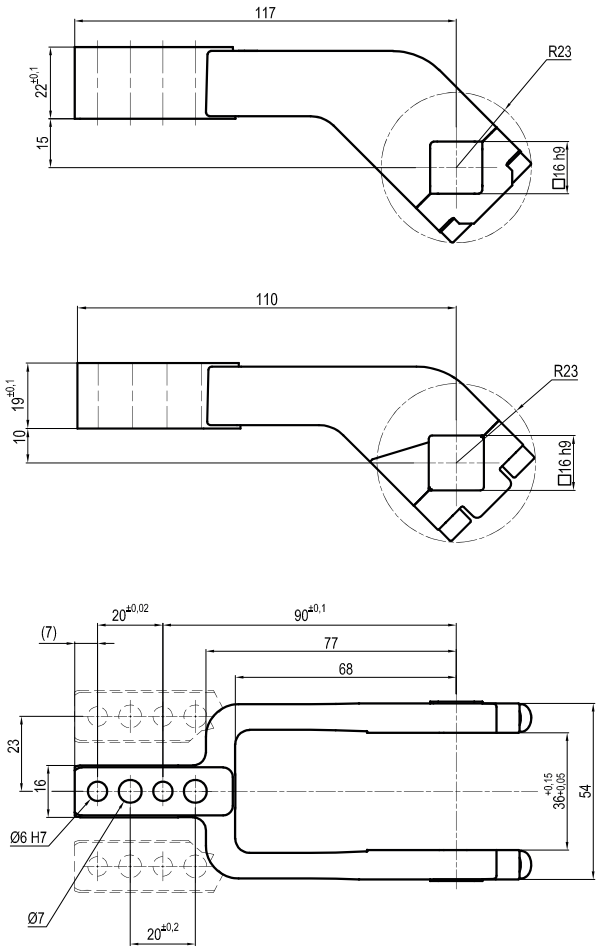
**TOLERANCE BETWEEN DOWELS ± 0,02 BETWEEN SCREW HOLES ±0,1*
***AREA TO ACCESS ANGLE ADJUSTMENT*

Air Consumption per Cycle

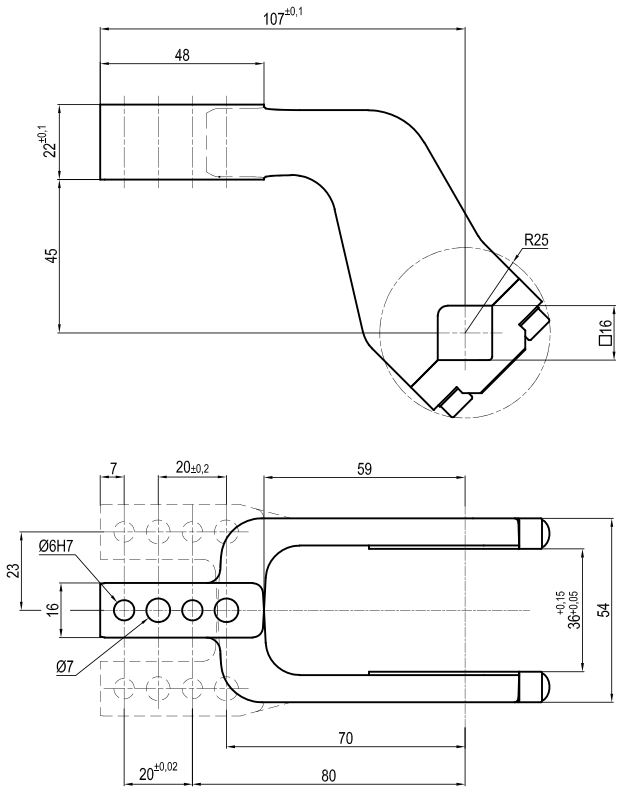


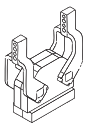
Clamping Arms

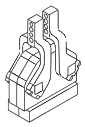
Arm Offset 10mm



Arm Offset 45mm







Armcode	Offset	Material	Arm style	Weight (Kg)	Opening angle	Opening angle
LKP40A	10	ALUMINIUM	CENTRAL	0,2	0÷180°	0÷180°
LKP40B	10	ALUMINIUM	RIGHT	0,2	0÷180°	0÷180°
LKP40G	10	ALUMINIUM	LEFT	0,2	0÷180°	0÷180°
LKP01CST	15	ALUMINIUM	CENTRAL	0,2	0÷180°	-
LKP01DST	15	ALUMINIUM	RIGHT	0,2	0÷180°	-
LKP01SST	15	ALUMINIUM	LEFT	0,2	0÷180°	-
IKP40E	45	ALUMINIUM	CENTRAL	0,3	0÷140°	-
IKP40F	45	ALUMINIUM	RIGHT	0,3	0÷140°	-
IKP40L	45	ALUMINIUM	LEFT	0,3	0÷140°	-

Sensors



Electronic (optical)

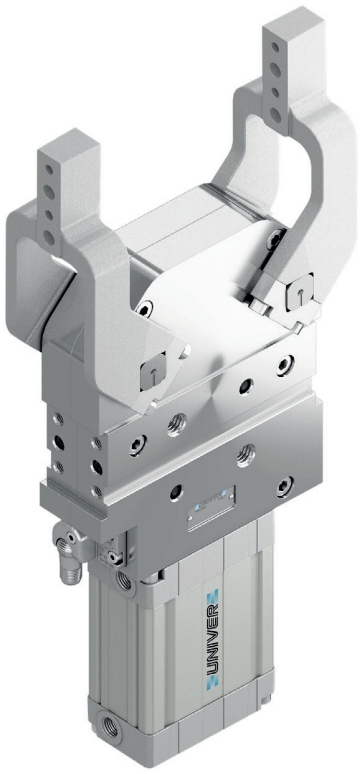
DF-K PNP M12
DF-J NPN M12
DF-Y PNP M12 White LED

UCDP 63

Pneumatic power clamps Ø63 mm with double arm

Pneumatic power clamps size Ø63 mm with double arm, compensation system, toggle-joint mechanism and stepless adjustable opening angle, typically used for holding and positioning metal sheets or workpieces.

- Lightweight aluminium construction
- Compact dimensions
- Integrated compensation system
- Fully optical electronic sensor
- Fixing pattern on 4 sides
- Clamping arm in aluminium or steel



COMPENSATION

LIGHTWEIGHT

IRREVERSIBLE

ANGLE ADJUSTMENT

OPTICAL SENSOR

COMPACT

CHARACTERISTICS

Operating temperature	**5° ÷ 45° C**
Min./Max. Operating pressure	**0,4 / 0,6 MPa**
Opening angle*	**0° ÷ 180°**
Bore Ø	**63 mm**
Clamping moment (0,5 MPa)	**130 Nm**
Weight (clamping arm not included)	**4,6 Kg**
Pneumatic supply ports	**G1/4 on both sides**
Sensor	**electronic (optical)**
Supply voltage	**10 ÷ 30 Vdc**
IP code	**IP65**

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

CODIFICATION KEY

UC	D	P	63	D	C	A	K	0	
1	2	3	4	5	6	7	8	9	10

1 SERIES
UC = UNICLAMP Power clamps

2 STANDARD
D = With double arm

3 VERSION
P = Pneumatic

4 SIZE
63 = Ø 63 mm

5 ARM POSITION

D = Double arm



I = Double arm overturned (only 15mm offset)



N = No arm



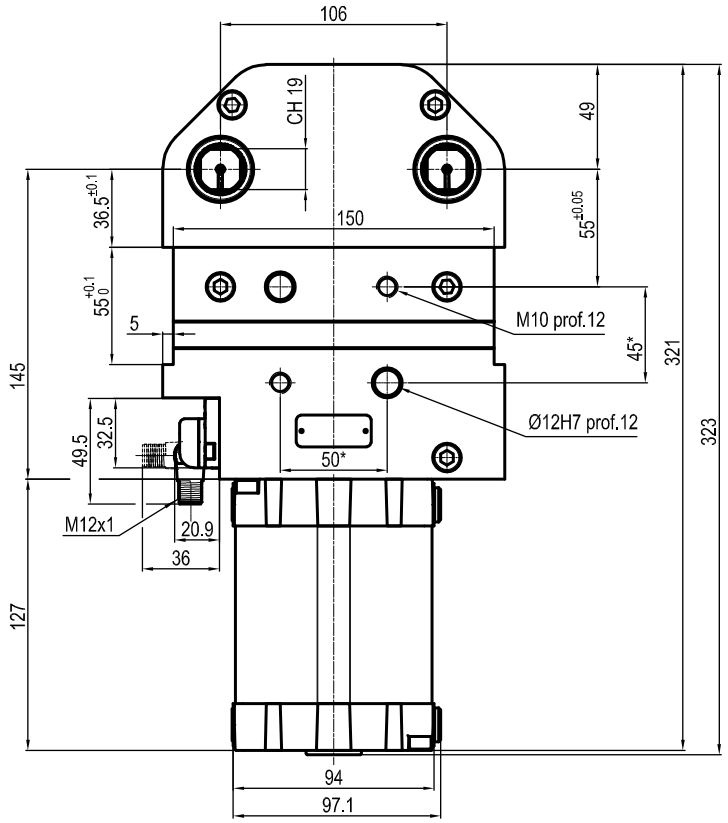
6 ARM STYLE
C = Central, 15 mm offset
D = Right, 15 mm offset
S = Left, 15 mm offset
E = Central, 45 mm offset
F = Right, 45 mm offset
L = Left, 45 mm offset
N = No arm
For other versions contact our Sales Dept.

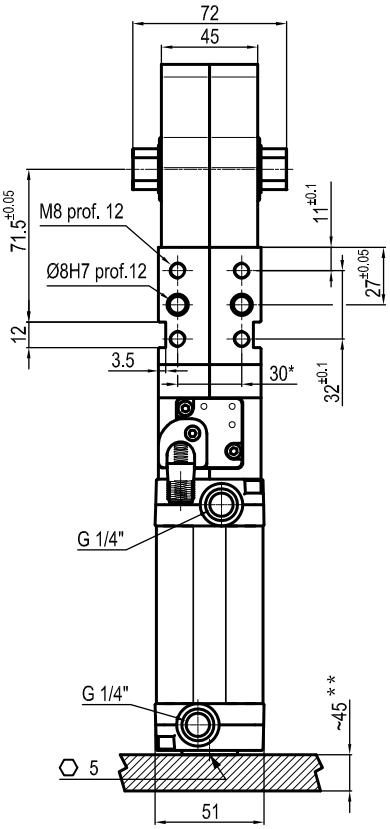
7 ARM TYPE
A = Aluminium
S = Steel
N = No arm

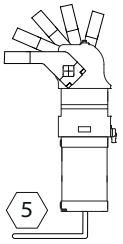
8 SENSOR
N = No sensor (with protection plate)
K = Electronic sensor PNP, M12 (DF-K)
J = Electronic sensor NPN, optical (DF-J)
Y = Electronic sensor PNP, M12 (DF-Y) white LED

9 PRODUCT REVISION
Assigned by UNIVER

10 ATEX
X = ATEX option
See ATEX Catalogue for types and versions

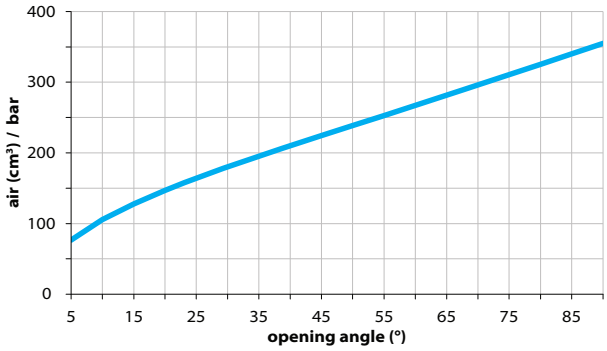






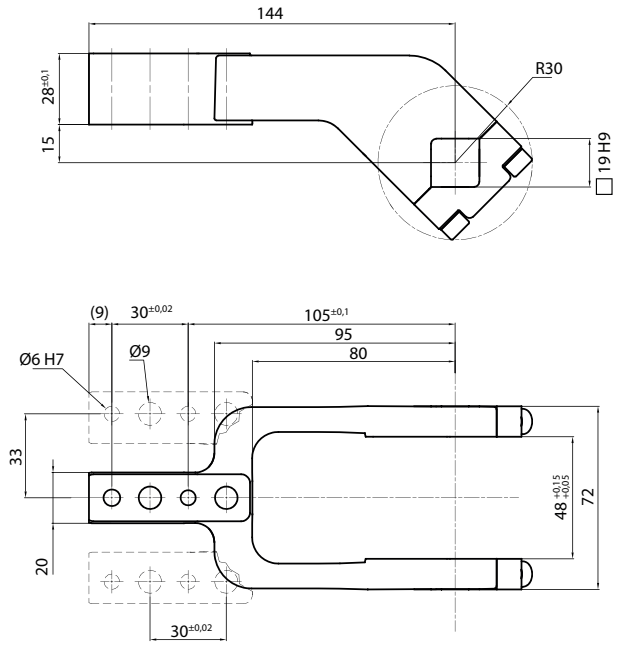
**TOLERANCE BETWEEN DOWELS ± 0,02 BETWEEN SCREW HOLES ± 0,1*
***AREA TO ACCESS ANGLE ADJUSTMENT*

Air Consumption per Cycle

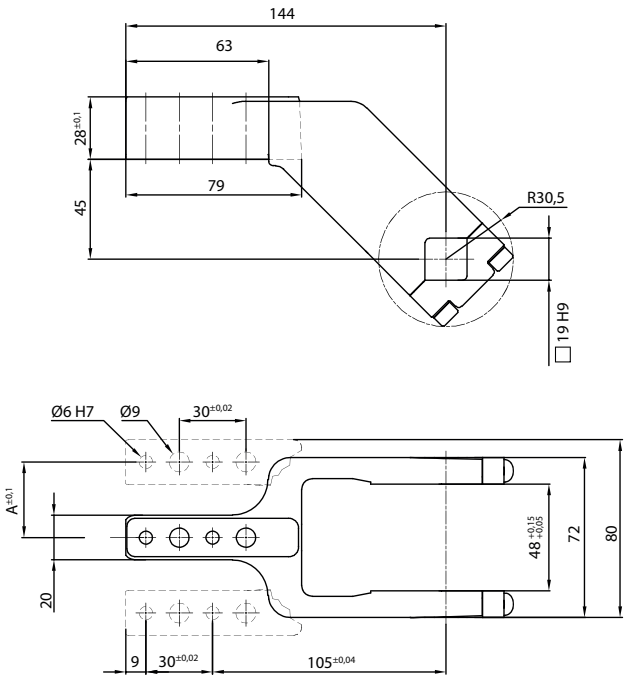


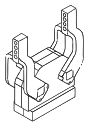
Clamping Arms

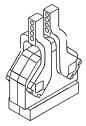
Arm Offset 15mm



Arm Offset 45mm







Armcode	Offset	Material	Arm style	Weight (Kg)	Opening angle	Opening angle
LKP00CL	15	ALUMINIUM	CENTRAL	0,4	0÷180°	0÷180°
LKP00DL	15	ALUMINIUM	RIGHT	0,4	0÷180°	0÷180°
LKP00SL	15	ALUMINIUM	LEFT	0,4	0÷180°	0÷180°
UP210151441G	15	STEEL	CENTRAL	0,8	0÷180°	0÷180°
UP210151442G	15	STEEL	RIGHT	0,8	0÷180°	0÷180°
UP210151443G	15	STEEL	LEFT	0,8	0÷180°	0÷180°
UKP5063E	45	ALUMINIUM	CENTRAL	4,5	0÷180°	-
UKP63F	45	ALUMINIUM	RIGHT	4,5	0÷180°	-
UKP63L	45	ALUMINIUM	LEFT	4,5	0÷180°	-
UKP5063ES	45	STEEL	CENTRAL	0,92	0÷180°	-
UKP63FS	45	STEEL	RIGHT	1,2	0÷180°	-
UKP63LS	45	STEEL	LEFT	1,2	0÷180°	-

Sensors



Electronic (optical)

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