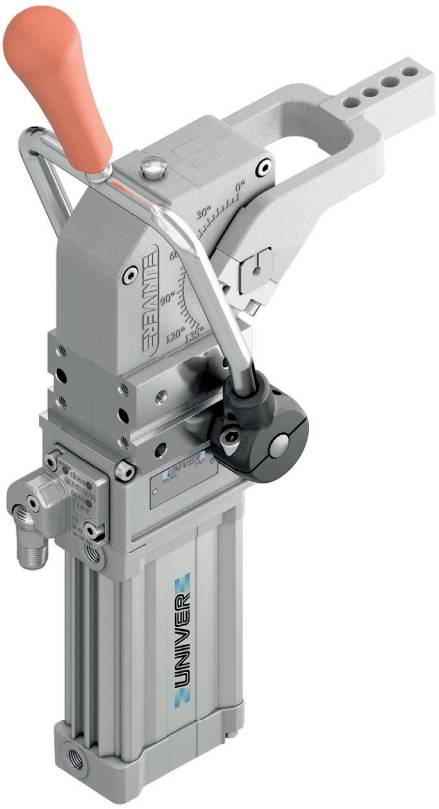
UCBT 40

Pneumatic power clamps Ø40 mm with central hand lever



Pneumatic power clamps with compensation system, toggle-joint mechanism and stepless adjustable opening angle, typically used for handling and holding metal sheets in welding applications

- Lightweight aluminium construction
- Compact dimensions
- Integrated compensation system up to 2,0 mm
- Central hand lever standard supplied
- Fully optical electronic sensor or pneumatic sensor
- Fixing pattern on 2 sides
- Manual unlocking in case of air loss
- Self-holding system for open position available
- Clamping arm in aluminium or steel

CHARACTERISTICS

Operating temperature	**5° ÷ 45° C**
Min./Max. Operating pressure	**0,4 / 0,6 MPa**
Opening angle*	**0° ÷ 135°**
Bore Ø	**40 mm**
Holding moment	**600 Nm**
Clamping moment (0,5 MPa)	**170 Nm**
Weight (clamping arm not included)	**2,1 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	B	T	40	O	E	A	K	0	
1	2	3	4	5	6	7	8	9	10

1 SERIES
UC = UNICLAMP Power clamps

2 STANDARD
B = European standard

3 VERSION
T = Pneumatic with central hand lever

4 SIZE
40 = Ø40 mm

5 ARM POSITION

V = 90°



O = 180°



N = No arm



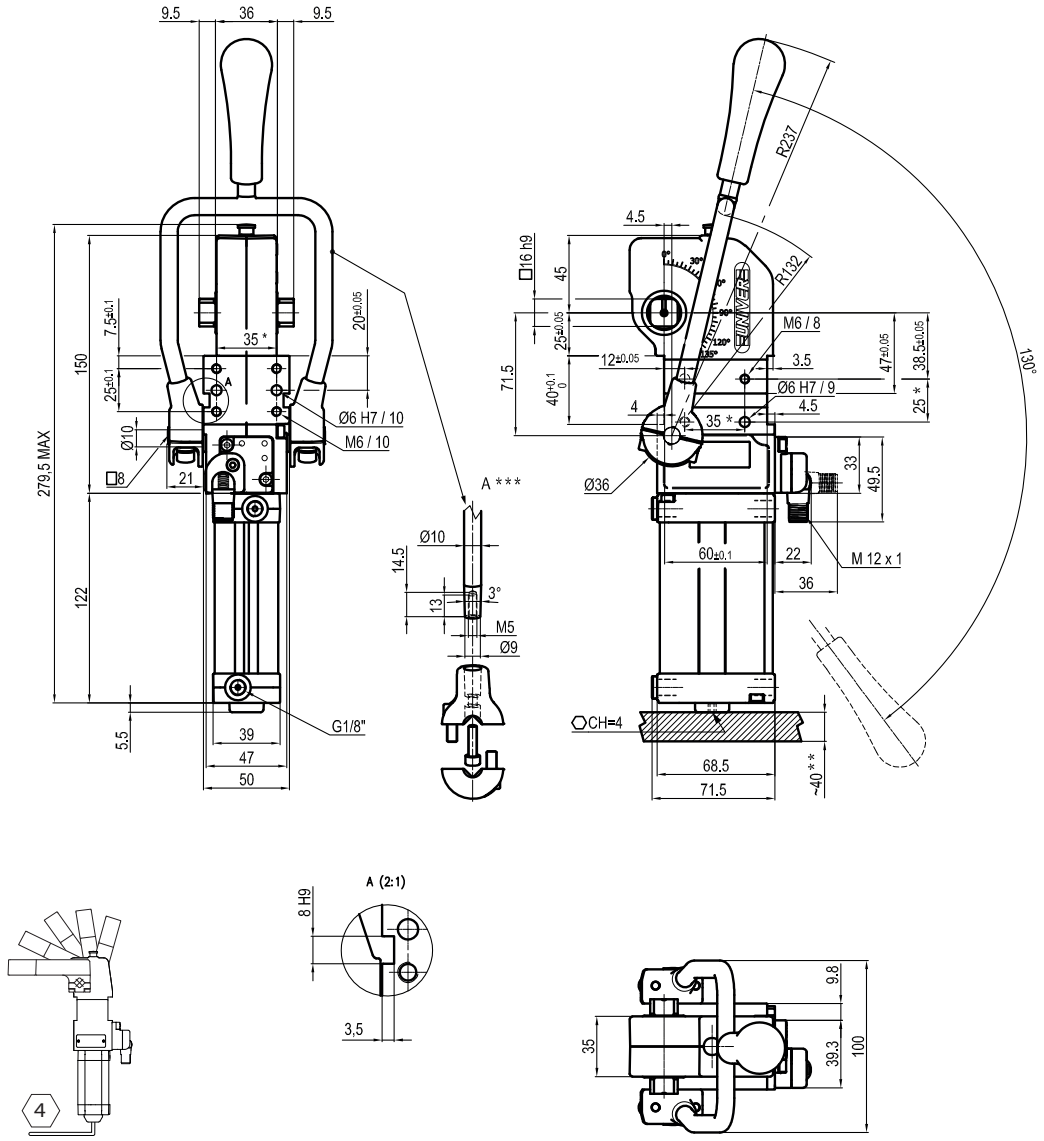
6 ARM STYLE
C = Central, 15 mm offset
D = Right, 15 mm offset
S = Left, 15 mm offset
E = Central, 45 mm offset
F = Right, 45 mm offset
L = Left, 45 mm offset
N = No arm
For other versions contact our Sales Dept.

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)
D = Pneumatic sensor (DF-UPNW)
J = Electronic sensor NPN, optical (DF-J)
Y = Electronic sensor PNP, M12 (DF-Y) white LED

9 PRODUCT REVISION
Assigned by UNIVER

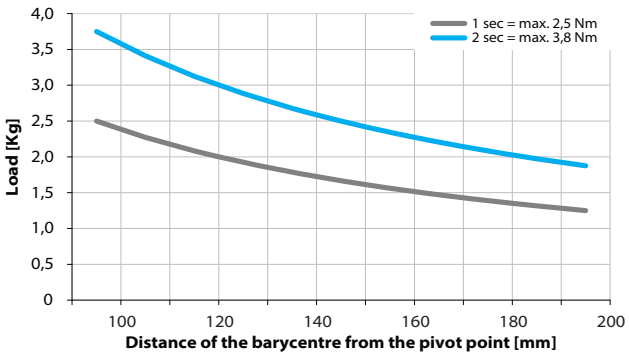
10 ATEX
X = ATEX option
See ATEX Catalogue for types and versions



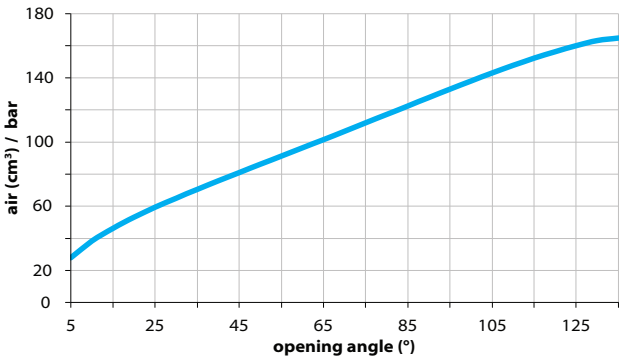
*TOLERANCE BETWEEN DOWELS ± 0,02 BETWEEN SCREW HOLES ± 0,1
**AREA TO ACCESS ANGLE ADJUSTMENT
***DIMENSIONS TO BE RESPECTED IN CASE OTHER MANUAL LEVERS ARE USED

Maximum Applicable Load

Pressure: 5 bar - 90° cycle time (Open - Close)

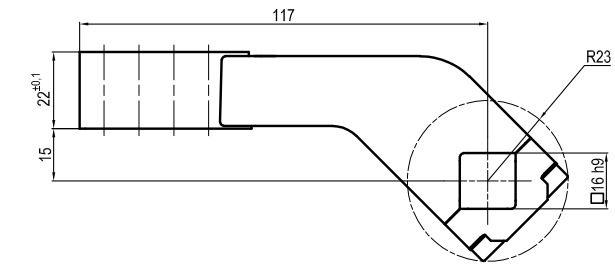


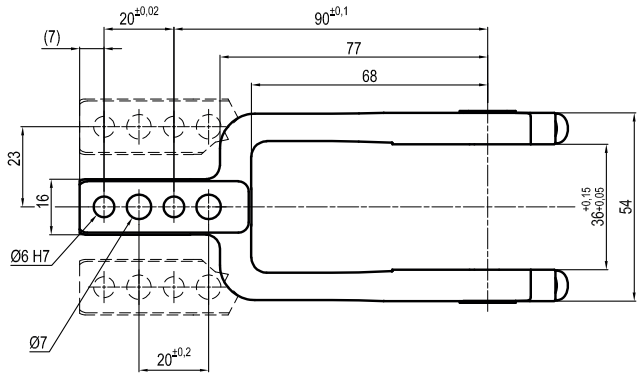
Air Consumption per Cycle



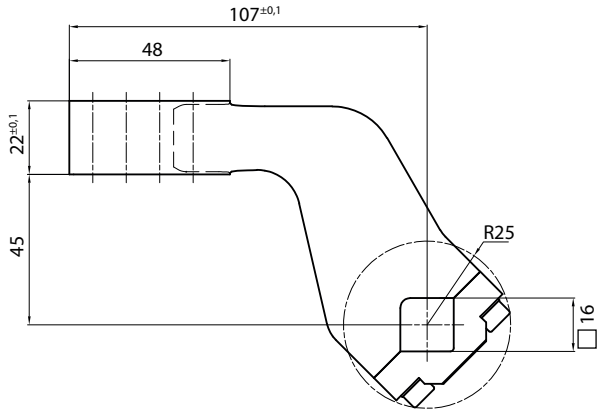
Clamping Arms

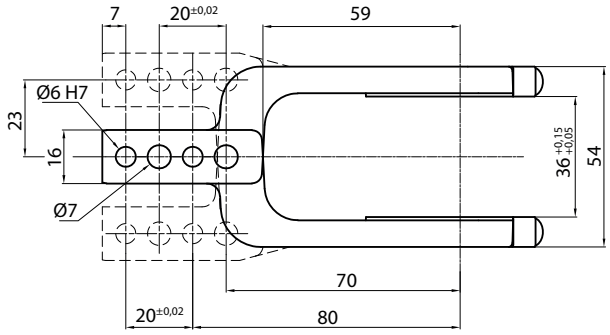
Arm Offset 15mm

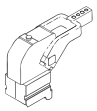




Arm Offset 45mm









Armcode	Offset	Material	Arm style	Weight (Kg)	Opening angle (90°)	Opening angle (180°)
LKP01CST	15	ALUMINIUM	CENTRAL	0,2	0÷135°	0÷125°
LKP01DST	15	ALUMINIUM	RIGHT	0,2	0÷135°	0÷125°
LKP01SST	15	ALUMINIUM	LEFT	0,2	0÷135°	0÷125°
UP120151441S	15	STEEL	CENTRAL	0,4	0÷135°	0÷125°
UP120151442S	15	STEEL	RIGHT	0,4	0÷135°	0÷125°
UP120151443S	15	STEEL	LEFT	0,4	0÷135°	0÷125°
UKP01E	45	ALUMINIUM	CENTRAL	0,25	0÷125°	0÷135°
UKP01F	45	ALUMINIUM	RIGHT	0,25	0÷125°	0÷135°
UKP01L	45	ALUMINIUM	LEFT	0,25	0÷125°	0÷135°
UKP01ES	45	STEEL	CENTRAL	0,4	0÷125°	0÷135°
UKP01FS	45	STEEL	RIGHT	0,4	0÷125°	0÷135°
UKP01LS	45	STEEL	LEFT	0,4	0÷125°	0÷135°

Sensors



Electronic (optical)

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



Pneumatic

DF-UPNW

Accessories



Handlever

UBTF2540



Self holding system

UBK46P16 For arm 15 offset
UBK46P16-45 For arm 45 offset