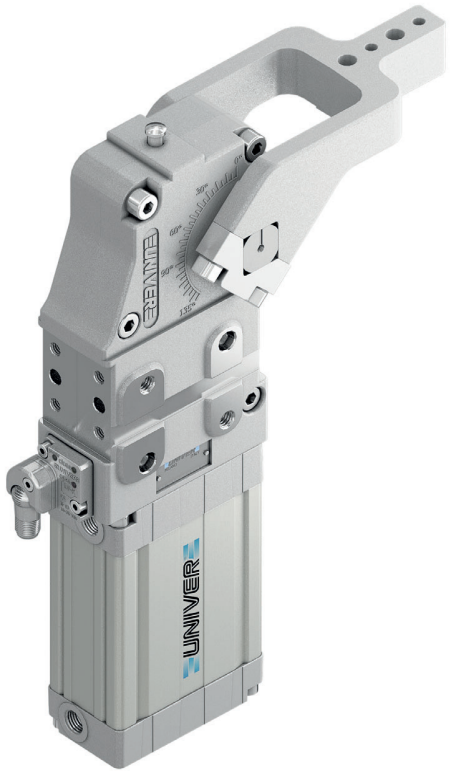
UCBH 63

Pneumatic power clamps Ø63 mm, □22 mm



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 2,7 mm
- Version with manual hand lever available
- Fully optical electronic sensor or pneumatic sensor
- Fixing pattern on 4 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	**63 mm**
Holding moment	**1750 Nm**
Clamping moment (0,5 MPa)	**420 Nm**
Weight (clamping arm not included)	**3,2 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.*

COMPENSATION

LIGHTWEIGHT

IRREVERSIBLE

ANGLE ADJUSTMENT

OPTICAL SENSOR

COMPACT

CODIFICATION KEY

UC	B	H	63	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
H = Pneumatic □22 mm

4 SIZE
63 = Ø63 mm

5 ARM POSITION

V = 90°



O = 180°



N = No arm



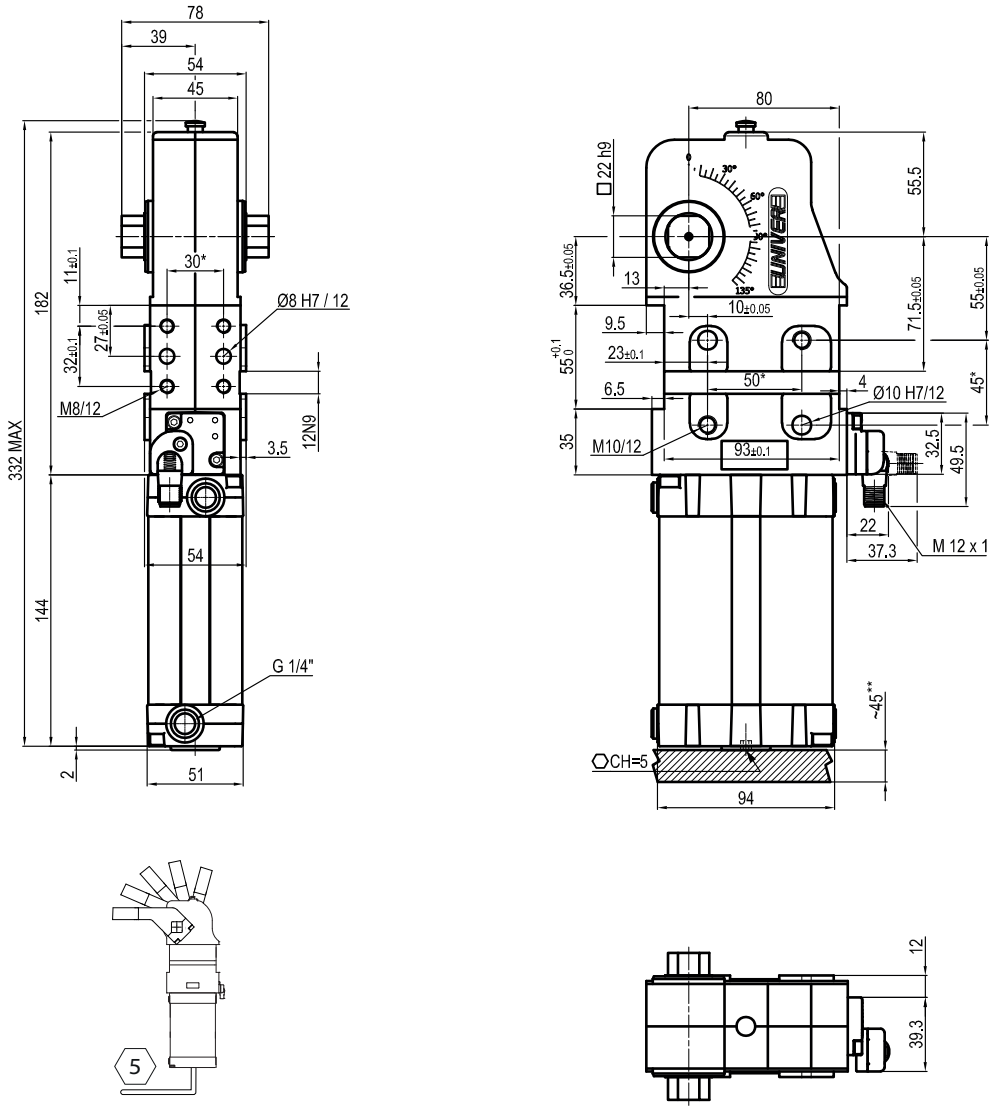
6 ARM STYLE
C = Central, 15 mm offset
D = Right, 15 mm offset
S = Left, 15 mm offset
E = Central, 45 mm offset
F = Right, 45 mm offset
L = Left, 45 mm offset
N = No arm
For other versions contact our Sales Dept.

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

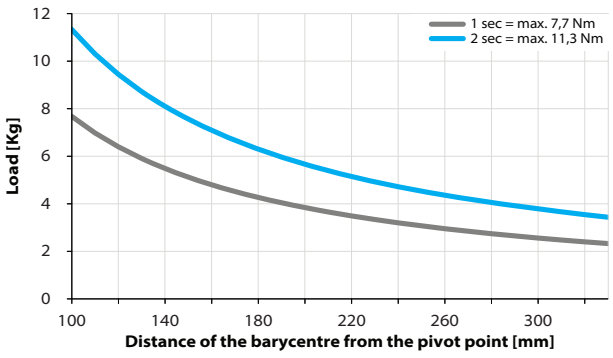
10 ATEX
X = ATEX option
See ATEX Catalogue for types and versions



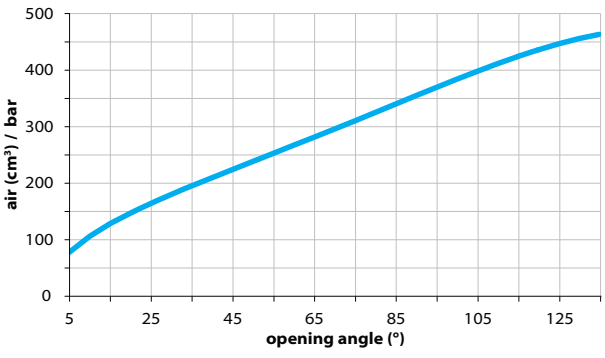
** TOLERANCE BETWEEN DOWELS ± 0,02, BETWEEN SCREW HOLES ± 0,1*
***AREA TO ACCESS ANGLE ADJUSTMENT*

Maximum Applicable Load

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

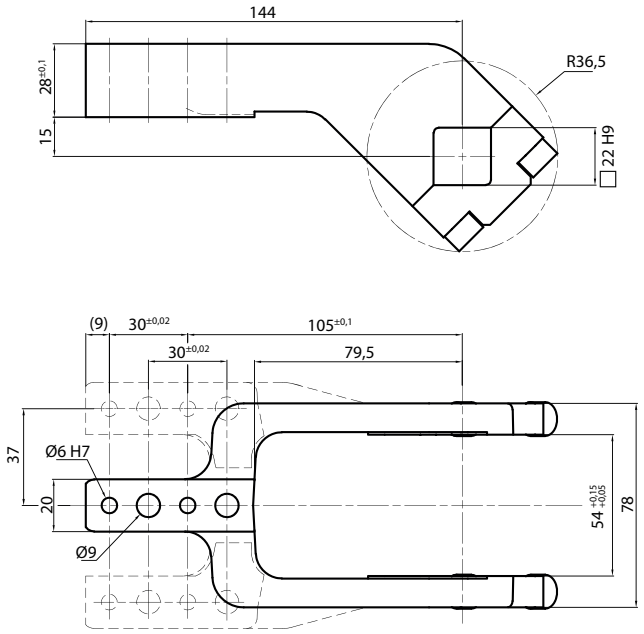


Air Consumption per Cycle

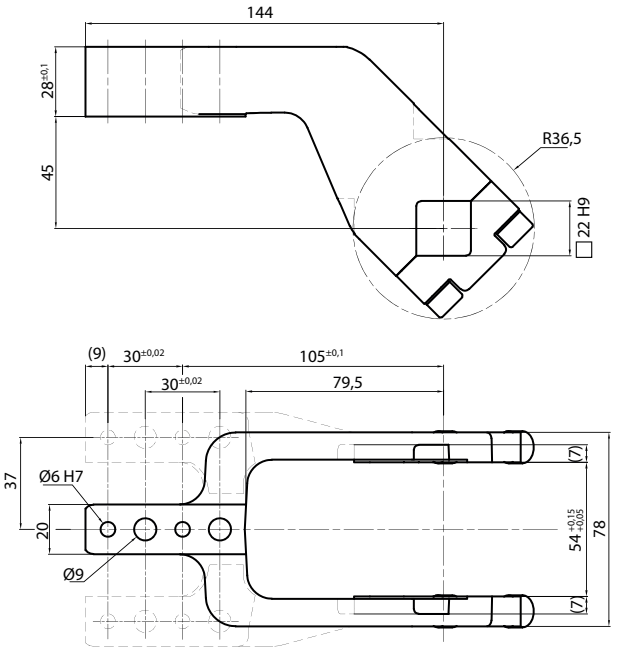


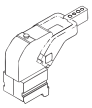
Clamping Arms

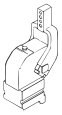
Arm Offset 15mm



Arm Offset 45mm







Armcode	Offset	Material	Arm style	Weight (Kg)	Opening angle (90°)	Opening angle (180°)
UP310151441A	15	ALUMINIUM	CENTRAL	0,3	0÷135°	0÷110°
UP310151442A	15	ALUMINIUM	RIGHT	0,3	0÷135°	0÷110°
UP310151443A	15	ALUMINIUM	LEFT	0,3	0÷135°	0÷110°
UP310151441S	15	STEEL	CENTRAL	1,2	0÷135°	0÷110°
UP310151442S	15	STEEL	RIGHT	1,2	0÷135°	0÷110°
UP310151443S	15	STEEL	LEFT	1,2	0÷135°	0÷110°
UP310451441A	45	ALUMINIUM	CENTRAL	0,3	0÷135°	0÷135°
UP310451442A	45	ALUMINIUM	RIGHT	0,3	0÷135°	0÷135°
UP310451443A	45	ALUMINIUM	LEFT	0,3	0÷135°	0÷135°
UP310451441S	45	STEEL	CENTRAL	1,4	0÷135°	0÷135°
UP310451442S	45	STEEL	RIGHT	1,4	0÷135°	0÷135°
UP310451443S	45	STEEL	LEFT	1,4	0÷135°	0÷135°

Sensors



Electronic (optical)

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



Pneumatic

DF-UPNW

Accessories



Self holding system

UBK46P22