UCBM 32

Pneumatic power clamps Ø32 mm with hand lever



Pneumatic Miniclamps with compensation system, toggle-joint mechanism and stepless adjustable opening angle, typically used for handling and blocking pieces in assembly process.

- Compact dimensions and lightweight
- Integrated compensation up to 1,3 mm
- Hand lever mount on both sides
- 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
- Wishbone clamping arm in aluminium

CHARACTERISTICS

Operating temperature	**5° ÷ 45° C**
Min./Max. Operating pressure	**0,4 / 0,6 MPa**
Opening angle*	**0° ÷ 105°**
Bore Ø	**32 mm**
Holding moment	**250 Nm**
Clamping moment (0,5 MPa)	**75 Nm**
Weight (clamping arm not included)	**1,4 Kg**
Pneumatic supply ports	**G1/8**
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

CODIFICATION KEY

UC	B	M	32	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

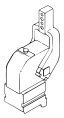
3 VERSION
M = Pneumatic with hand lever

4 SIZE
32 = Ø 32mm

5 ARM POSITION
V = 90°



O = 180°



N = No arm



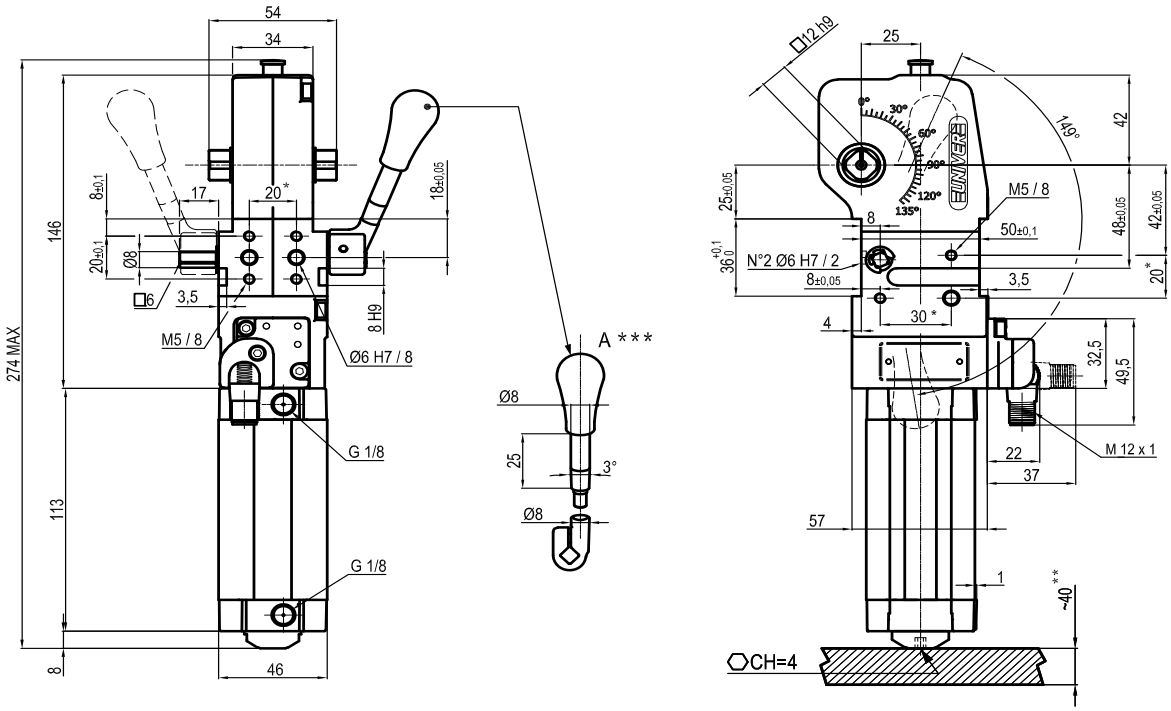
6 ARM STYLE
B = Central, 0mm offset
C = Central, 10mm offset
E = Central, 25mm offset
N = No arm
For other versions contact our Sales Dept.

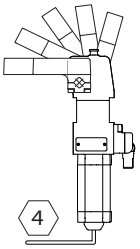
7 ARM TYPE
A = Aluminium
N = No arm

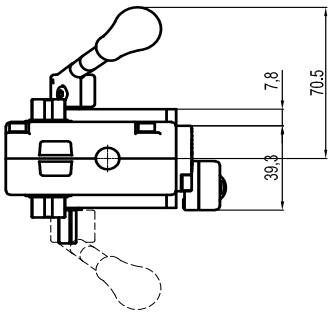
8 SENSOR
N = No sensor (with protection plate)
K = Electronic sensor PNP, M12 (DF-K)
D = Pneumatic sensor
Y = Electronic sensor PNP, M12 (DF-Y) white LED
J = Electronic sensor NPN, M12 (DF-J)

9 PRODUCT REVISION
Assigned by UNIVER

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



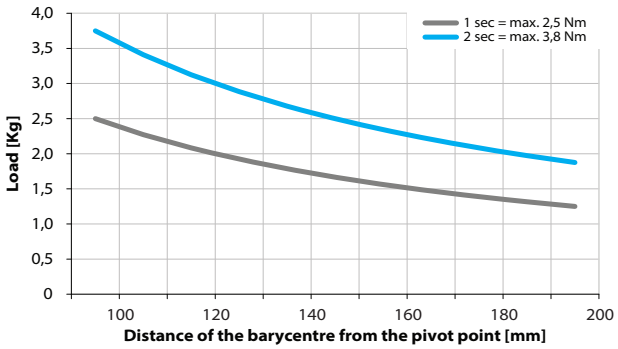




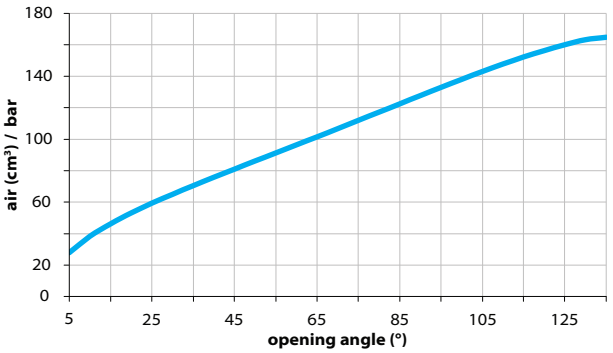
** TOLERANCE BETWEEN DOWELS ± 0,02, BETWEEN SCREW HOLES ± 0,1*
***AREA TO ACCESS ANGLE ADJUSTMENT*
****DIMENSIONS TO BE RESPECTED IN CASE OF OTHER MANUAL LEVERS ARE USED*

Maximum Applicable Load

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

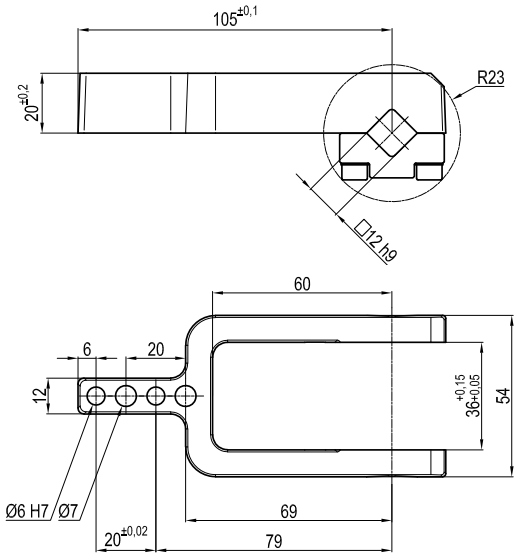


Air Consumption per Cycle

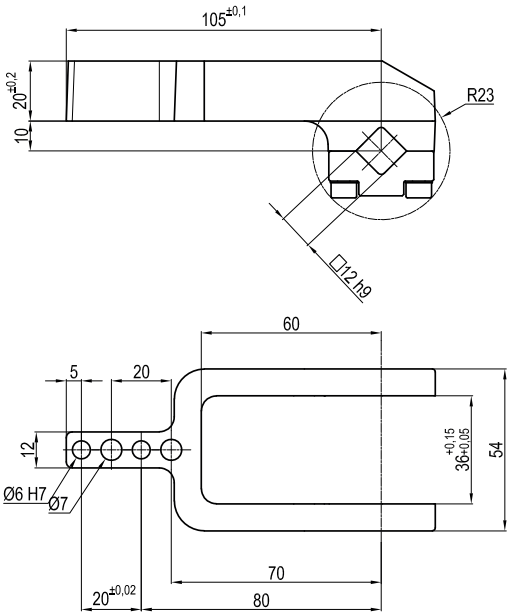


Clamping Arms

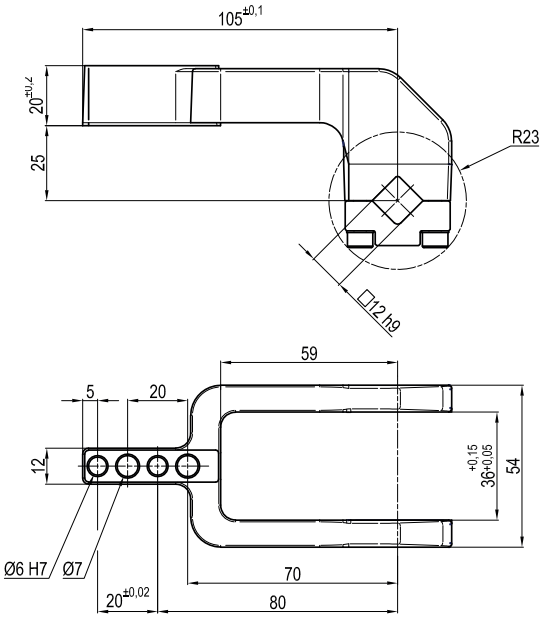
Arm Offset 0mm

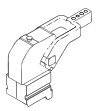


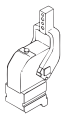
Arm Offset 10mm



Arm Offset 25mm







Armcode	Offset	Material	Arm style	Weight (Kg)	Opening angle (90°)	Opening angle (180°)
LKP32B	0	ALUMINIUM	CENTRAL	0,15	0÷105°	0÷105°
LKP32C	10	ALUMINIUM	CENTRAL	0,15	0÷105°	0÷105°
LKP32E	25	ALUMINIUM	CENTRAL	0,15	0÷105°	0÷105°

Sensors



Electronic (optical)

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

Accessories



Handlever

UBF252532



Self holding system

UBK46P12

UCBM 50

Pneumatic power clamps Ø50 mm with 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 1,7 mm
- Hand lever mount on both sides
- 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	**50 mm**
Holding moment	**1250 Nm**
Clamping moment (0,5 MPa)	**280 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	M	50	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
M = Pneumatic with hand lever

4 SIZE
50 = Ø50 mm

5 ARM POSITION

V = 90°



O = 180°



N = No arm



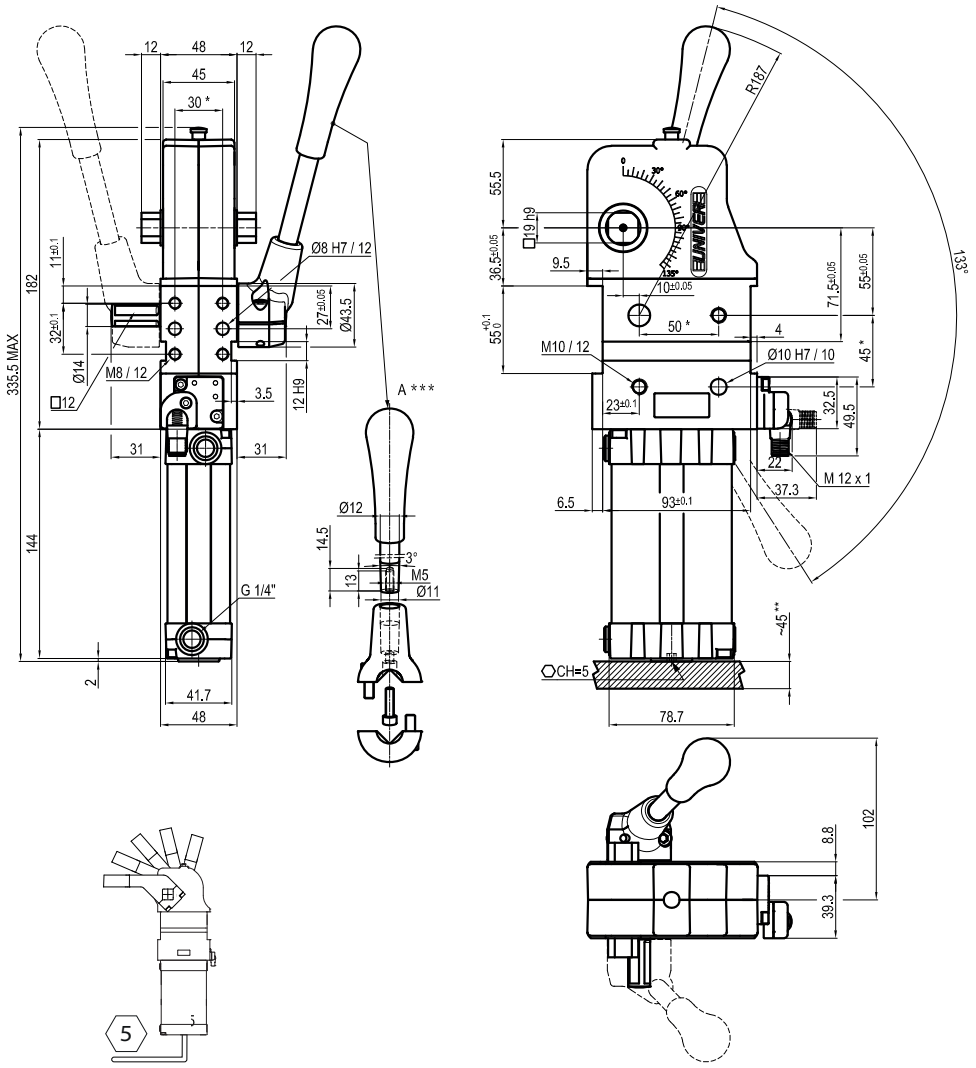
6 ARM STYLE
C = Central, 15 mm offset
D = Right, 15 mm offset
S = Left, 15 mm offset
E = Central, 45 mm offset
F = Right, 45 mm offset
L = Left, 45 mm offset
N = No arm
For other versions contact our Sales Dept.

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

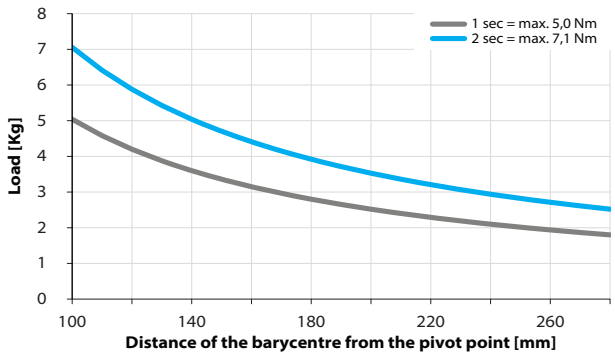
10 ATEX
X = ATEX option
See ATEX Catalogue for types and versions



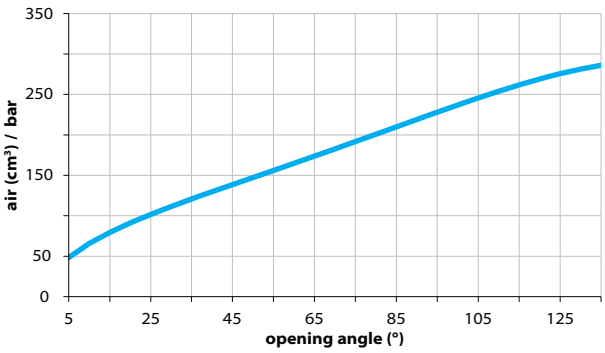
**TOLERANCE BETWEEN DOWELS ± 0,02 BETWEEN SCREW HOLES ± 0,1*
***AREA TO ACCESS ANGLE ADJUSTMENT*
****DIMENSIONS TO BE RESPECTED IN CASE OTHER MANUAL LEVERS ARE USED*

Maximum Applicable Load

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

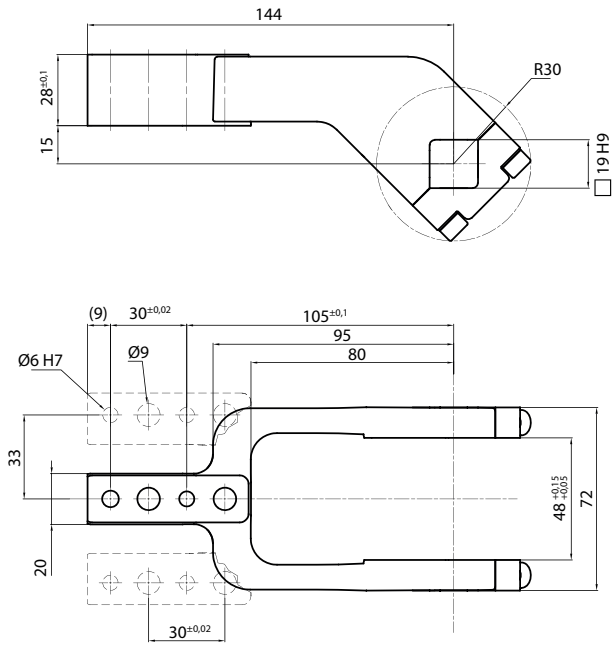


Air Consumption per Cycle

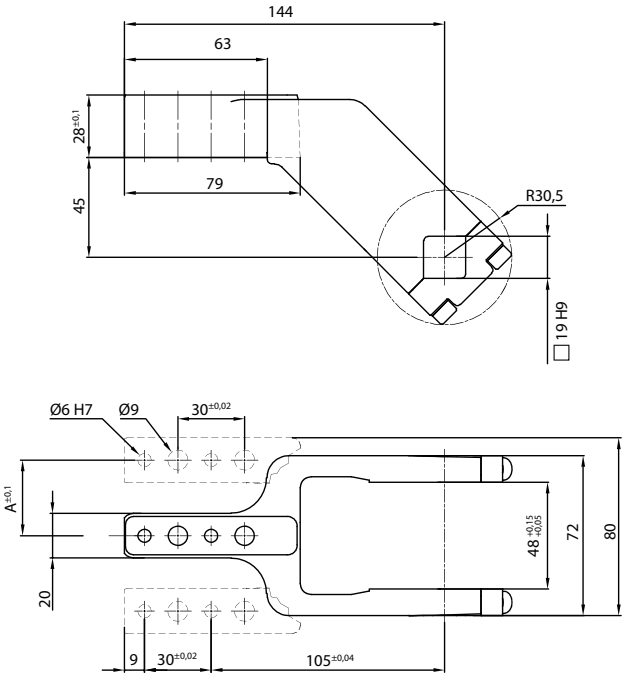


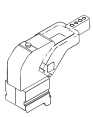
Clamping Arms

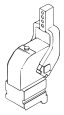
Arm Offset 15mm



Arm Offset 45mm







Armcode	Offset	Material	Arm style	Weight (Kg)	Opening angle (90°)	Opening angle (180°)
LKP00CL	15	ALUMINIUM	CENTRAL	0,4	0÷135°	0÷105°
LKP00DL	15	ALUMINIUM	RIGHT	0,4	0÷135°	0÷105°
LKP00SL	15	ALUMINIUM	LEFT	0,4	0÷135°	0÷105°
UP210151441G	15	STEEL	CENTRAL	0,8	0÷135°	0÷105°
UP210151442G	15	STEEL	RIGHT	0,8	0÷135°	0÷105°
UP210151443G	15	STEEL	LEFT	0,8	0÷135°	0÷105°
UKP5063E	45	ALUMINIUM	CENTRAL	0,45	0÷135°	0÷135°
UKP50F	45	ALUMINIUM	RIGHT	0,45	0÷135°	0÷135°
UKP50L	45	ALUMINIUM	LEFT	0,45	0÷135°	0÷135°
UKP5063ES	45	STEEL	CENTRAL	1,16	0÷135°	0÷135°
UKP50FS	45	STEEL	RIGHT	1,16	0÷135°	0÷135°
UKP50LS	45	STEEL	LEFT	1,16	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



Handlever

UBF255063



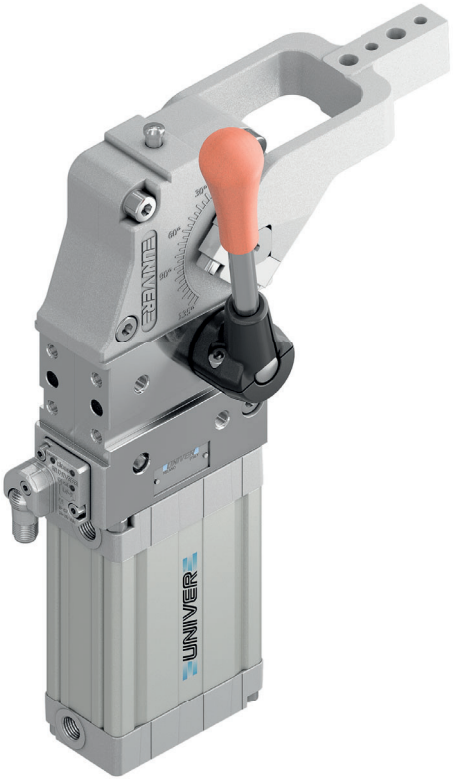
Self holding system

UBK46P19

UCBM 63

Pneumatic power clamps Ø63 mm with 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 2,7 mm
- Hand lever mount on both sides
- 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)	**3,6 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.*

COMPENSATION

LIGHTWEIGHT

IRREVERSIBLE

ANGLE ADJUSTMENT

OPTICAL SENSOR

COMPACT

CODIFICATION KEY

UC	B	M	63	O	E	A	K	0		
1	2	3	4	5	6	7	8	9	10	

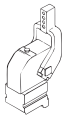
1 SERIES
UC = UNICLAMP Power clamps

2 STANDARD
B = European standard

3 VERSION
M = Pneumatic with hand lever

4 SIZE
63 = Ø63 mm

5 ARM POSITION
V = 90°

O = 180°

N = No arm

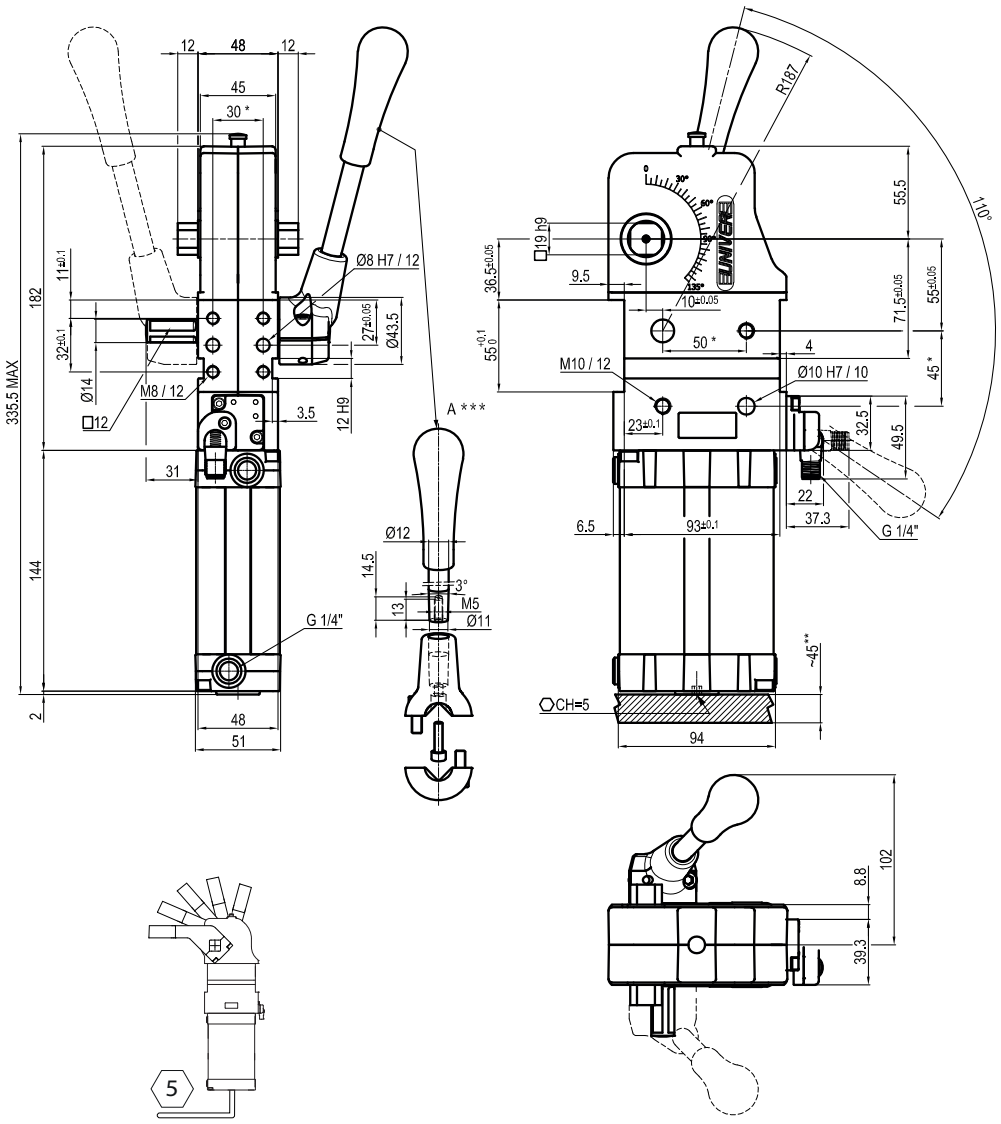

6 ARM STYLE
C = Central, 15 mm offset
D = Right, 15 mm offset
S = Left, 15 mm offset
E = Central, 45 mm offset
F = Right, 45 mm offset
L = Left, 45 mm offset
N = No arm
For other versions contact our Sales Dept.

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

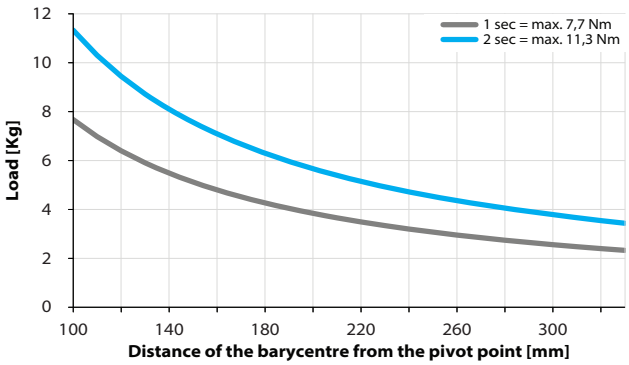
10 ATEX
X = ATEX option
See ATEX Catalogue for types and versions



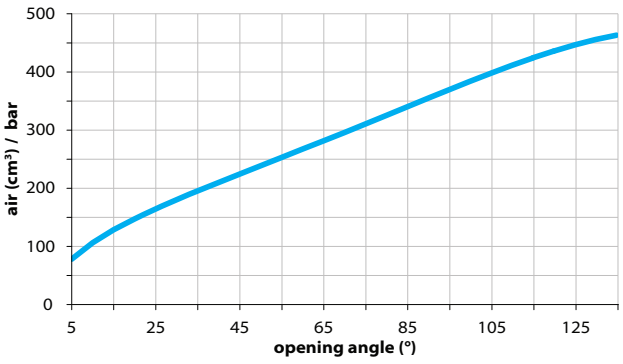
** TOLERANCE BETWEEN DOWELS ± 0,02, BETWEEN SCREW HOLES ± 0,1*
***AREA TO ACCESS ANGLE ADJUSTMENT*
****DIMENSION TO BE RESPECTED IN CASE OTHER MANUAL LEVERS ARE USED*

Maximum Applicable Load

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

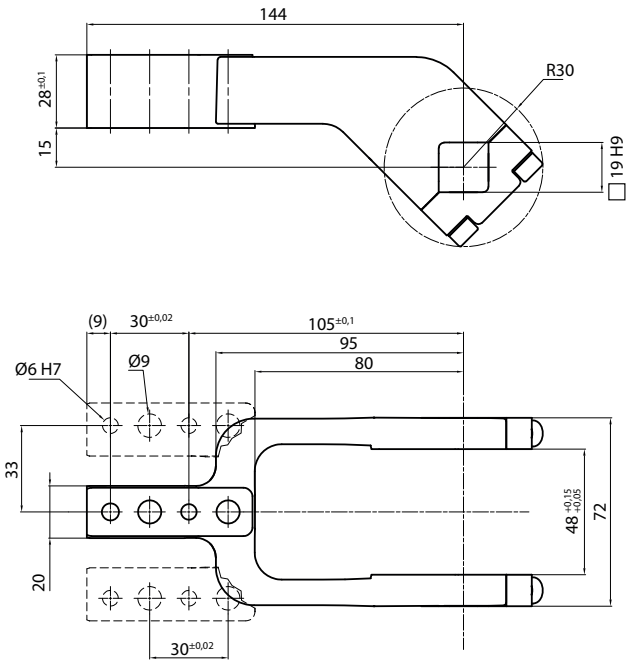


Air Consumption per Cycle

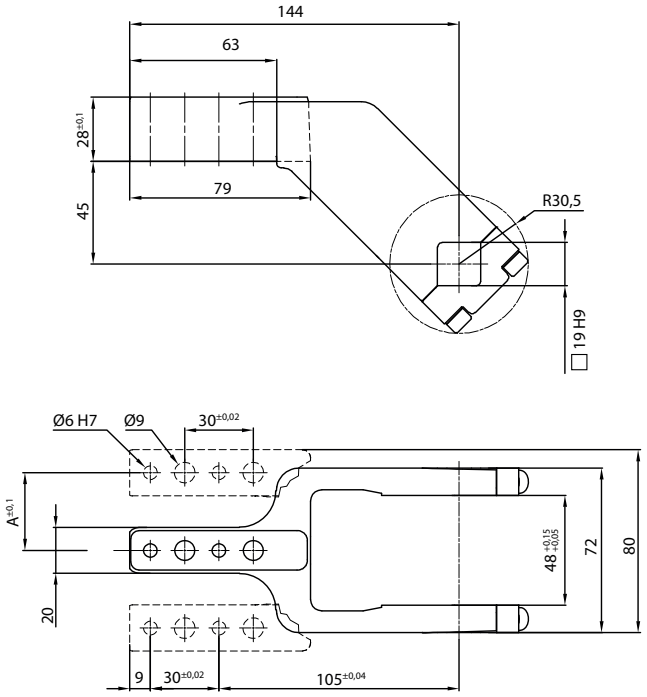


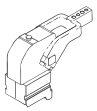
Clamping Arms

Arm Offset 15mm



Arm Offset 45mm







Armcode	Offset	Material	Arm style	Weight (Kg)	Opening angle (90°)	Opening angle (180°)
LKP00CL	15	ALUMINIUM	CENTRAL	0,4	0÷135°	0÷105°
LKP00DL	15	ALUMINIUM	RIGHT	0,4	0÷135°	0÷105°
LKP00SL	15	ALUMINIUM	LEFT	0,4	0÷135°	0÷105°
UP210151441G	15	STEEL	CENTRAL	0,8	0÷135°	0÷105°
UP210151442G	15	STEEL	RIGHT	0,8	0÷135°	0÷105°
UP210151443G	15	STEEL	LEFT	0,8	0÷135°	0÷105°
UKP5063E	45	ALUMINIUM	CENTRAL	0,45	0÷135°	0÷135°
UKP63F	45	ALUMINIUM	RIGHT	0,45	0÷135°	0÷135°
UKP63L	45	ALUMINIUM	LEFT	0,45	0÷135°	0÷135°
UKP5063ES	45	STEEL	CENTRAL	1,16	0÷135°	0÷135°
UKP63FS	45	STEEL	RIGHT	1,16	0÷135°	0÷135°
UKP63LS	45	STEEL	LEFT	1,16	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



Handlever

UBF255063



Self holding system

UBK46P19

UCBM 80

Pneumatic power clamps Ø80 mm with 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
- Integrated compensation system up to 2,9 mm
- Hand lever mount on both sides
- 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



COMPENSATION

LIGHTWEIGHT

IRREVERSIBLE

ANGLE ADJUSTMENT

OPTICAL SENSOR

CHARACTERISTICS

Operating temperature	**5° ÷ 45° C**
Min./Max. Operating pressure	**0,4 / 0,6 MPa**
Opening angle*	**0° ÷ 135°**
Bore Ø	**80 mm**
Holding moment	**4000 Nm**
Clamping moment (0,5 MPa)	**1100 Nm**
Weight (clamping arm not included)	**9,5 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	B	M	80	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
M = Pneumatic with hand lever

4 SIZE
80 = Ø 80 mm

5 ARM POSITION
V = 90°



O = 180°



N = No arm



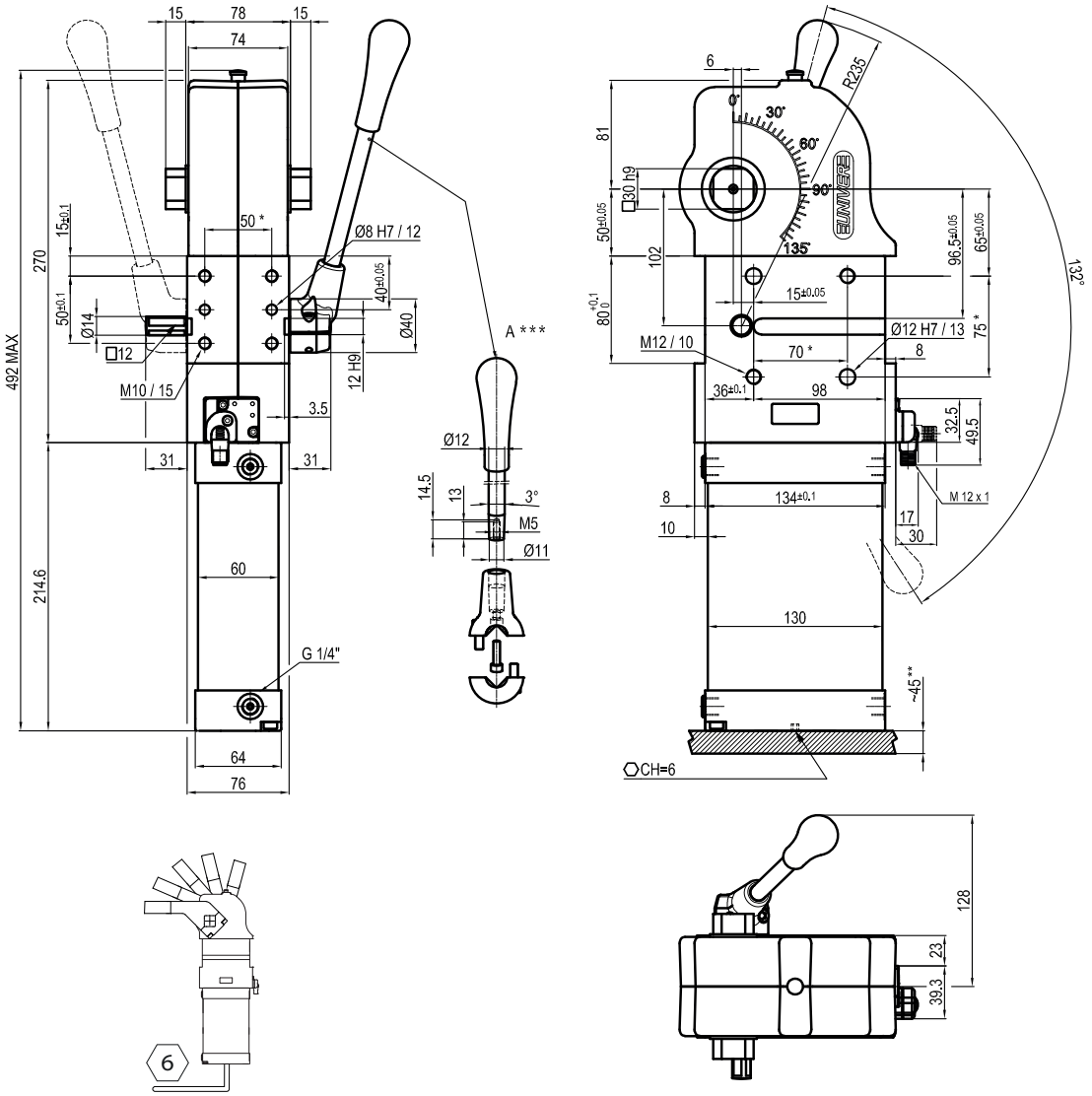
6 ARM STYLE
C = Central, 20 mm offset
D = Right, 20 mm offset
S = Left, 20 mm offset
E = Central, 45 mm offset
F = Right, 45 mm offset
L = Left, 45 mm offset
N = No arm
For other versions contact our Sales Dept.

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-UPNW80)
J = Electronic sensor NPN, optical (DF-J)
Y = Electronic sensor PNP, M12 (DF-Y) white LED

9 PRODUCT REVISION
Assigned by UNIVER

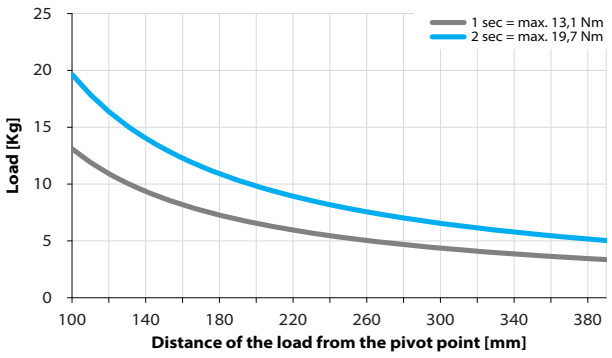
10 ATEX
X = ATEX option
See ATEX Catalogue for types and versions



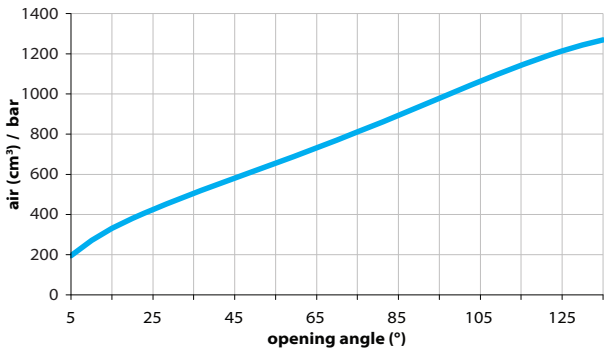
** TOLERANCE BETWEEN DOWELS ± 0,02, BETWEEN SCREW HOLES ± 0,1*
***AREA TO ACCESS ANGLE ADJUSTMENT*
****DIMENSION TO BE RESPECTED IN CASE OTHER MANUAL LEVERS ARE USED*

Maximum Applicable Load

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

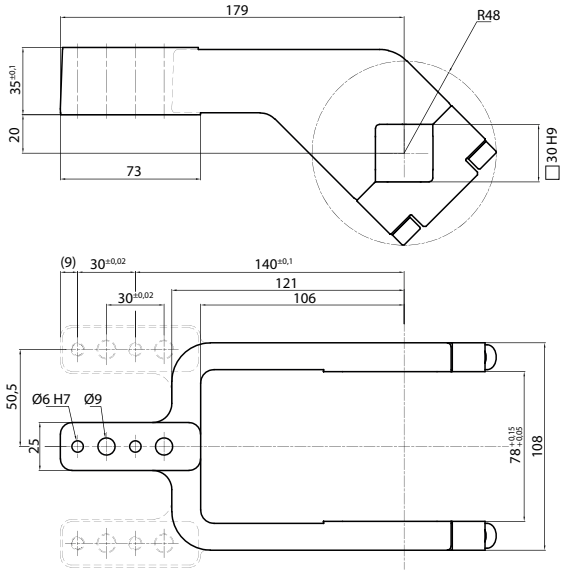


Air Consumption per Cycle

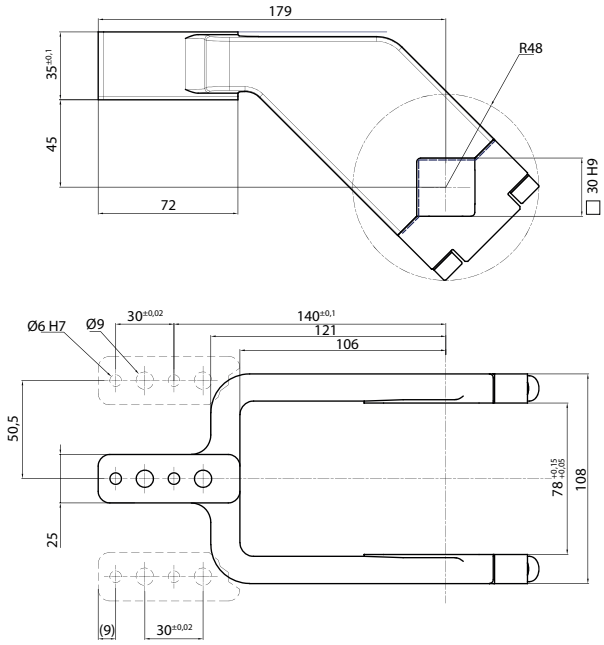


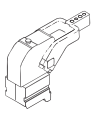
Clamping Arms

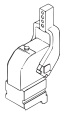
Arm Offset 20mm



Arm Offset 45mm







Armcode	Offset	Material	Arm style	Weight (Kg)	Opening angle (90°)	Opening angle (180°)
LKP80C	20	ALUMINIUM	CENTRAL	0,6	0÷135°	0÷105°
LKP80D	20	ALUMINIUM	RIGHT	0,6	0÷135°	0÷105°
LKP80S	20	ALUMINIUM	LEFT	0,6	0÷135°	0÷105°
UKP80CS	20	STEEL	CENTRAL	2,26	0÷135°	0÷105°
UKP80DS	20	STEEL	RIGHT	2,3	0÷135°	0÷105°
UKP80SS	20	STEEL	LEFT	2,3	0÷135°	0÷105°
UKP80E	45	ALUMINIUM	CENTRAL	0,6	0÷135°	0÷125°
UKP80F	45	ALUMINIUM	RIGHT	0,6	0÷135°	0÷125°
UKP80L	45	ALUMINIUM	LEFT	0,6	0÷135°	0÷125°
UKP80ES	45	STEEL	CENTRAL	2,2	0÷135°	0÷125°
UKP80FS	45	STEEL	RIGHT	2,2	0÷135°	0÷125°
UKP80LS	45	STEEL	LEFT	2,2	0÷135°	0÷125°

Sensors



Electronic (optical)

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



Pneumatic

DF-UPNW80

Accessories



Handlever

UBF2580



Self holding system

UBK46P30