UCBP 25

Pneumatic power clamps Ø25 mm



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 0,9 mm
- Version with hand lever available
- Fully optical electronic sensor or pneumatic sensor
- Fixing pattern on 2 sides (front and back)
- Manual unlocking in case of air loss
- 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	**25 mm**
Holding moment	**75 Nm**
Clamping moment (0,5 MPa)	**25 Nm**
Weight (clamping arm not included)	**0,8 Kg**
Pneumatic supply ports	**M5**
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	P	25	O	B	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
P = Pneumatic

4 SIZE
25 = Ø 25mm

5 ARM POSITION
V = 90°
O = 180°
N = No arm







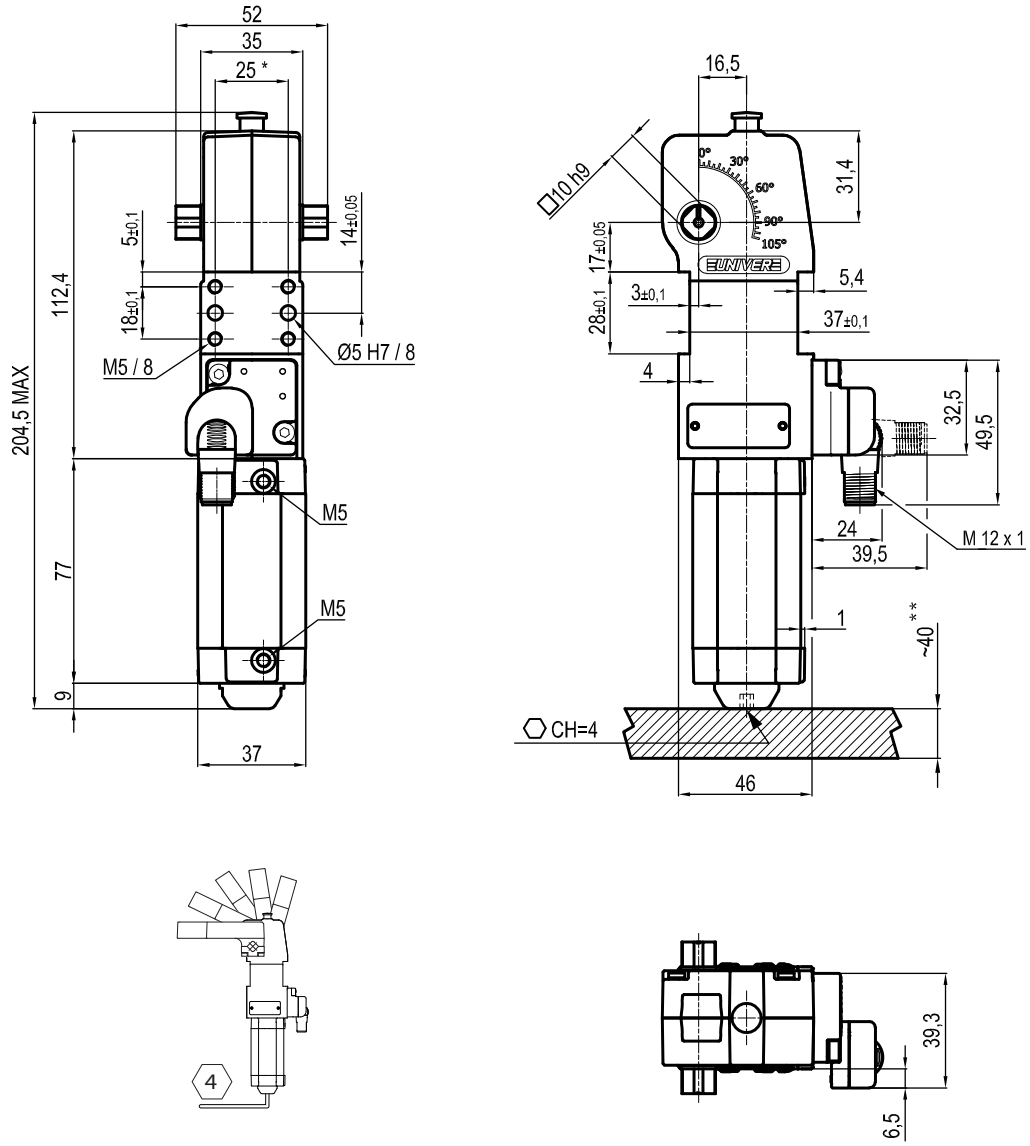
6 ARM STYLE
B = Central, 0mm offset
C = Central, 10mm offset
N = No arm
For other versions contact our Sales Dept.

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

9 PRODUCT REVISION
Assigned by UNIVER

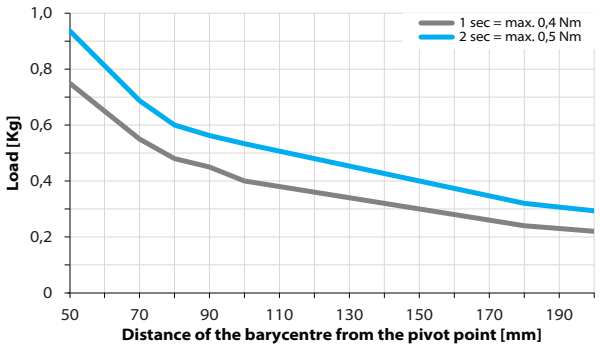
10 ATEX
X = ATEX option
See ATEX Catalogue for types and versions



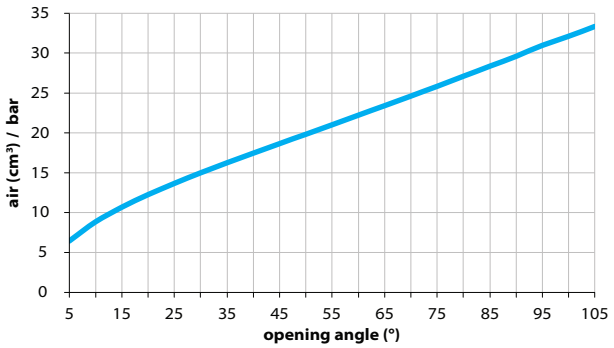
**TOLERANCE BETWEEN DOWELS ± 0,02 BETWEEN SCREW HOLES ± 0,1*
***AREA TO ACCESS ANGLE ADJUSTMENT*

Maximum Applicable Load

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

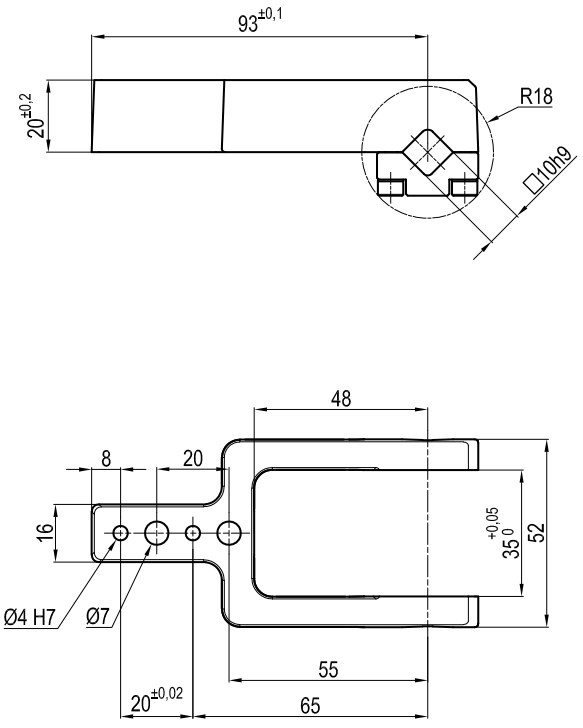


Air Consumption per Cycle

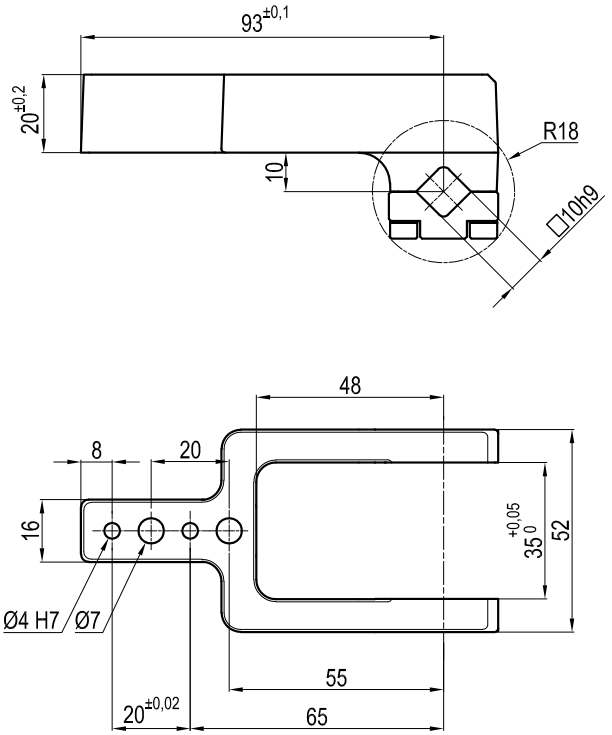


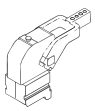
Clamping Arms

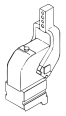
Arm Offset 0mm



Arm Offset 10mm







Armcode	Offset	Material	Arm style	Weight (Kg)	Opening angle (90°)	Opening angle (180°)
LKP25B	0	ALUMINIUM	CENTRAL	0,13	0÷105°	0÷105°
LKP25C	10	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



Pneumatic

DF-UPNWS

UCBP 40

Pneumatic power clamps Ø40 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 ideal for mounting on grippers
- Compact dimensions
- Integrated compensation system up to 2 mm
- Version with 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



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° ÷ 135°**
Bore Ø	**40 mm**
Holding moment	**600 Nm**
Clamping moment (0,5 MPa)	**170 Nm**
Weight (clamping arm not included)	**1,5 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.*

CODIFICATION KEY

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

1 SERIES
UC = UNICLAMP Power clamps

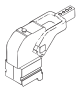
2 STANDARD
B = European standard

3 VERSION
P = Pneumatic

4 SIZE
40 = Ø 40 mm

5 ARM POSITION

V = 90°



O = 180°



N = No arm



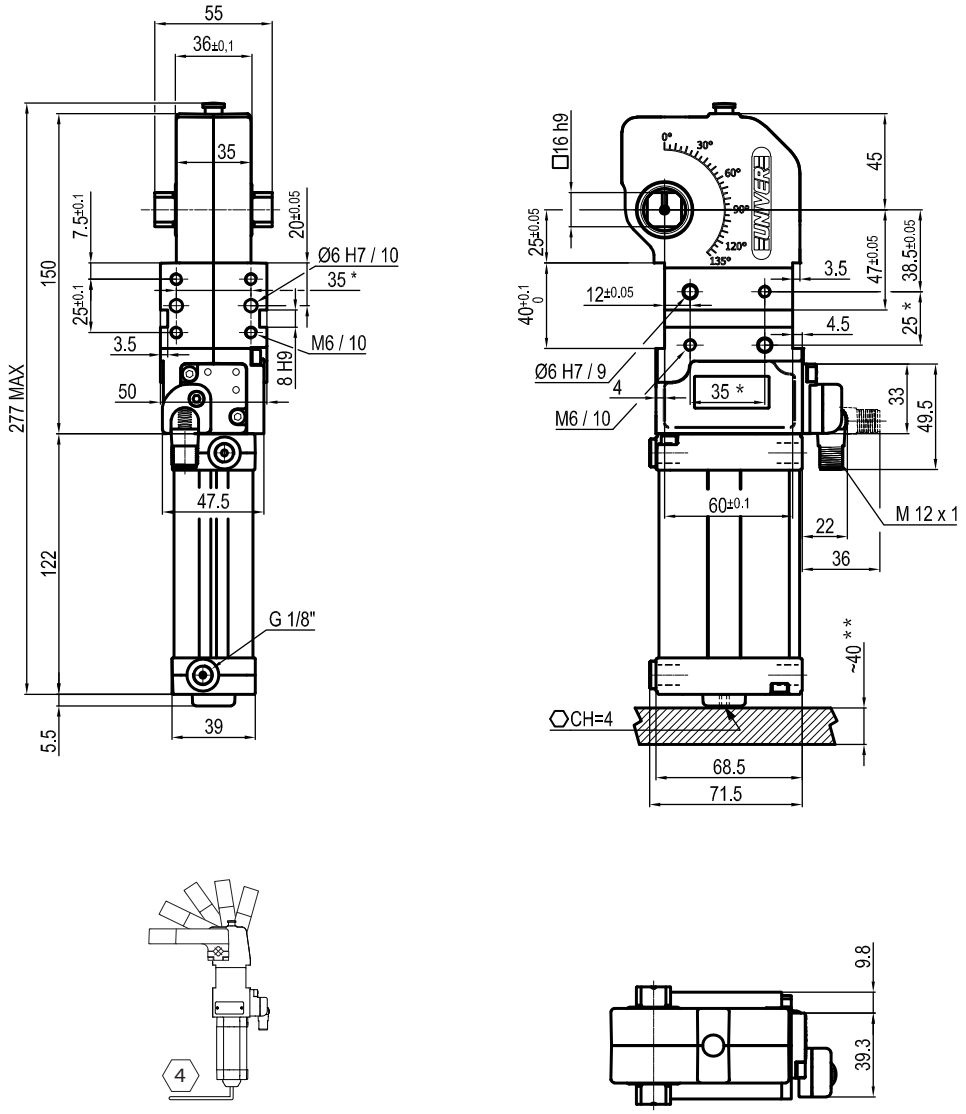
6 ARM STYLE
C = Central, 15 mm offset
D = Right, 15 mm offset
S = Left, 15 mm offset
E = Central, 45 mm offset
F = Right, 45 mm offset
L = Left, 45 mm offset
N = No arm
For other versions contact our Sales Dept.

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

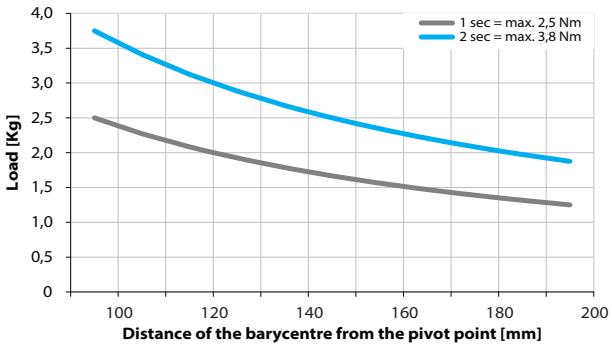
10 ATEX
X = ATEX option
See ATEX Catalogue for types and versions



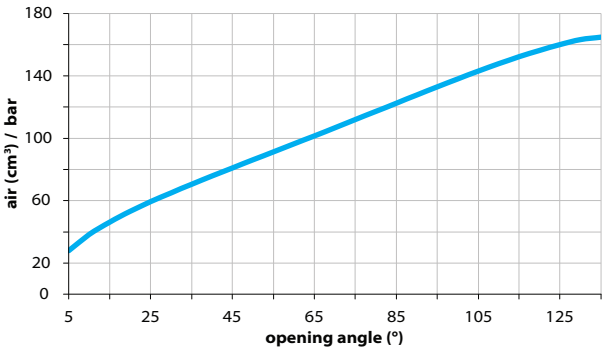
**TOLERANCE BETWEEN DOWELS ± 0,02 BETWEEN SCREW HOLES ± 0,1*
***AREA TO ACCESS ANGLE ADJUSTMENT*

Maximum Applicable Load

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



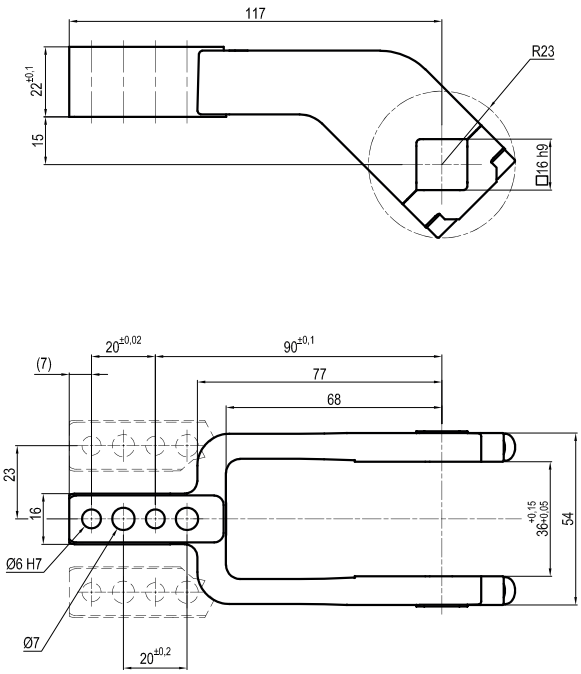
Air Consumption per Cycle



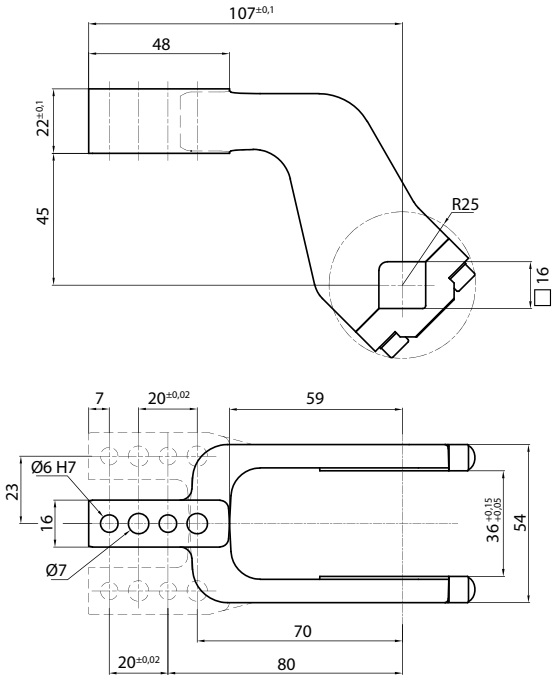
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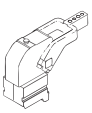
Clamping Arms

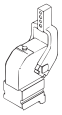
Arm Offset 15mm



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

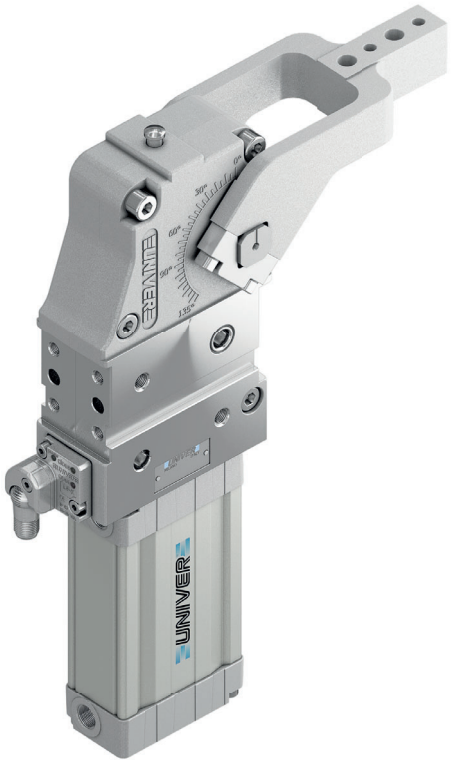


Self holding system

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

UCBP 50

Pneumatic power clamps Ø50 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 1,7 mm
- Version with 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	**50 mm**
Holding moment	**1250 Nm**
Clamping moment (0,5 MPa)	**280 Nm**
Weight (clamping arm not included)	**2,5 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.*

COMPENSATION

LIGHTWEIGHT

IRREVERSIBLE

ANGLE ADJUSTMENT

OPTICAL SENSOR

COMPACT

CODIFICATION KEY

UC	B	P	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

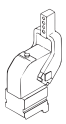
3 VERSION
P = Pneumatic

4 SIZE
50 = Ø 50 mm

5 ARM POSITION
V = 90°



O = 180°



N = No arm



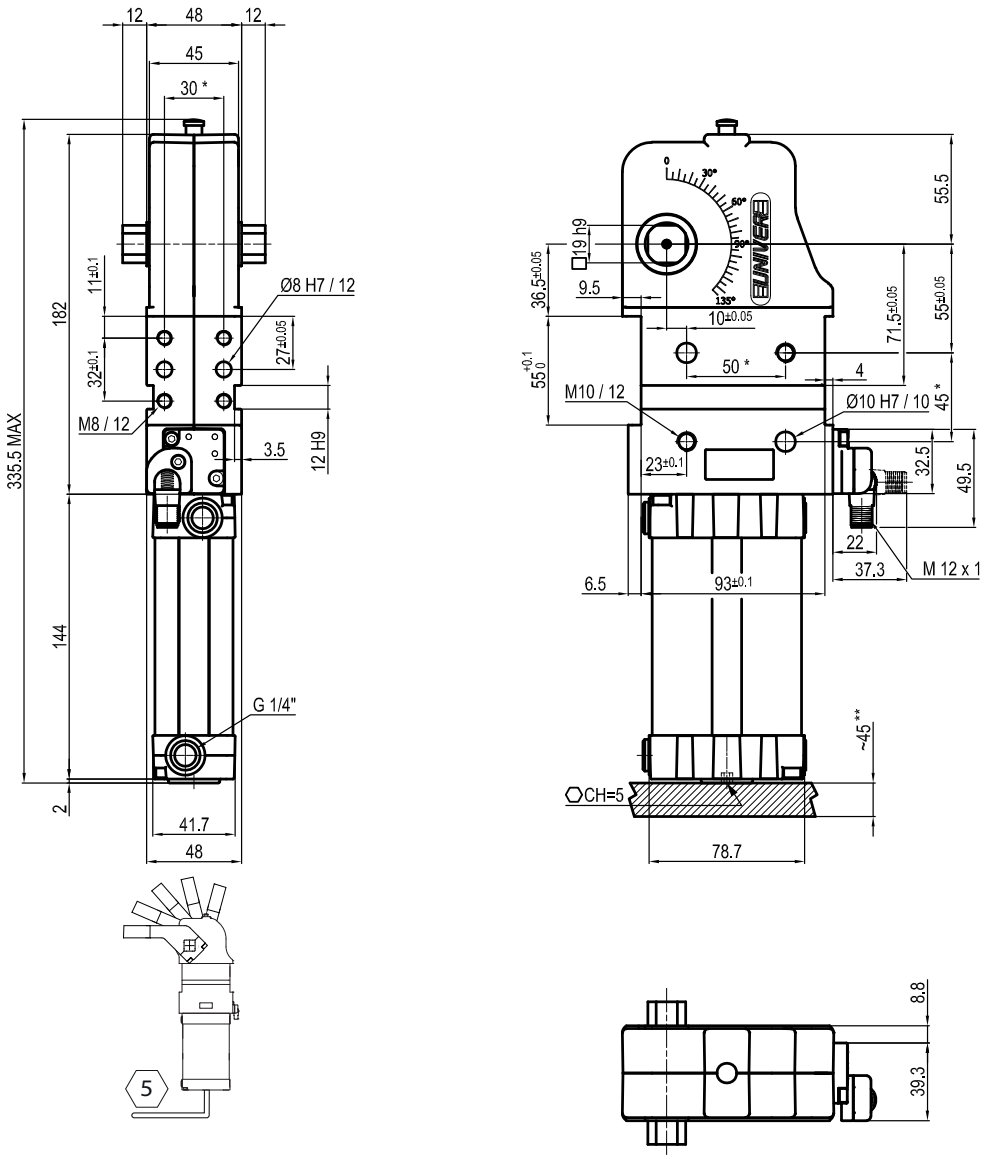
6 ARM STYLE
C = Central, 15 mm offset
D = Right, 15 mm offset
S = Left, 15 mm offset
E = Central, 45 mm offset
F = Right, 45 mm offset
L = Left, 45 mm offset
N = No arm
For other versions contact our Sales Dept.

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

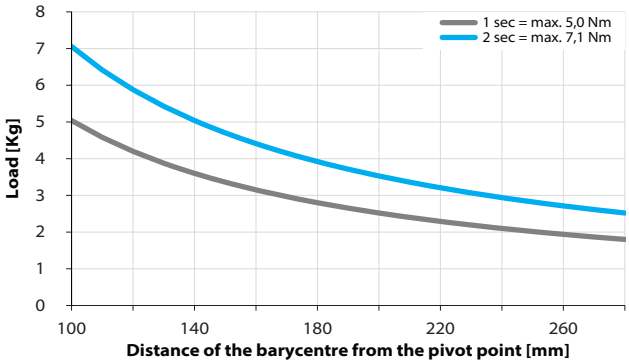
10 ATEX
X = ATEX option
See ATEX Catalogue for types and versions



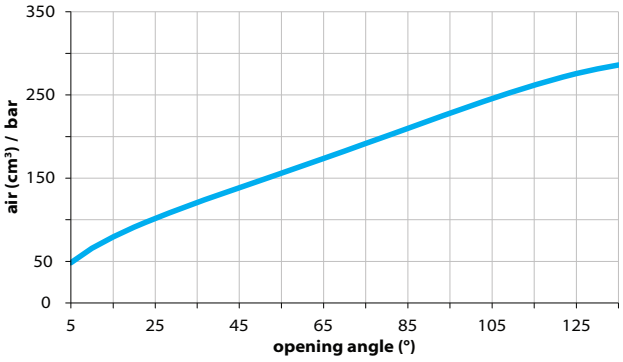
*TOLERANCE BETWEEN DOWELS ± 0,02 BETWEEN SCREW HOLES ± 0,1
**AREA TO ACCESS ANGLE ADJUSTMENT

Maximum Applicable Load

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

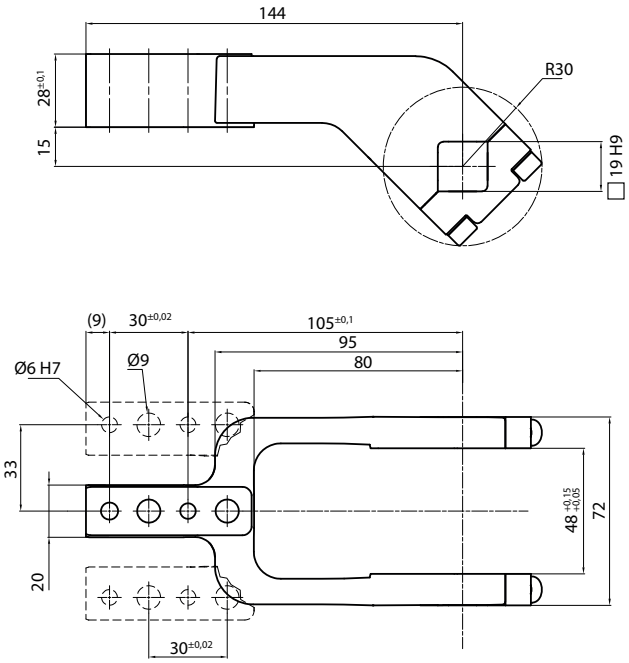


Air Consumption per Cycle

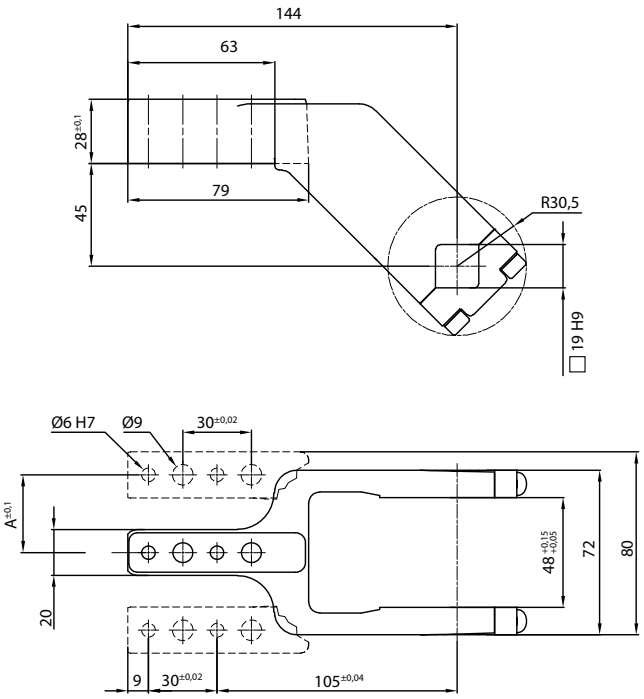


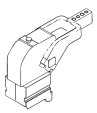
Clamping Arms

Arm Offset 15mm



Arm Offset 45mm







Armcode	Offset	Material	Arm style	Weight (Kg)	Opening angle (90°)	Opening angle (180°)
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

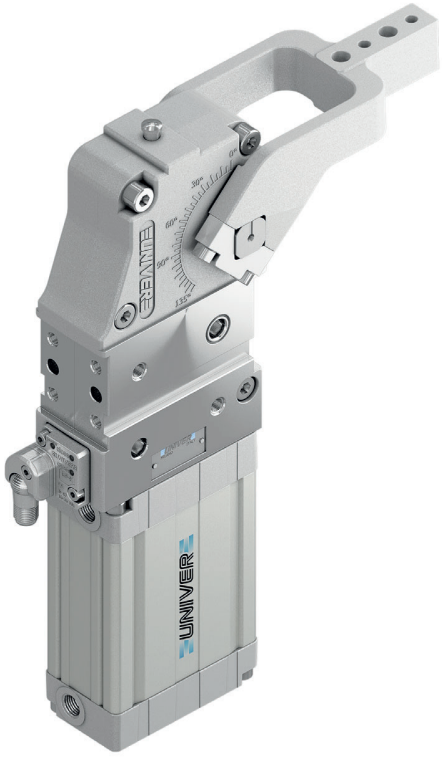


Self holding system

UBK46P19

UCBP 63

Pneumatic power clamps Ø63 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 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)	**2,9 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	P	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
P = Pneumatic

4 SIZE
63 = Ø63 mm

5 ARM POSITION
V = 90°
O = 180°
N = No arm







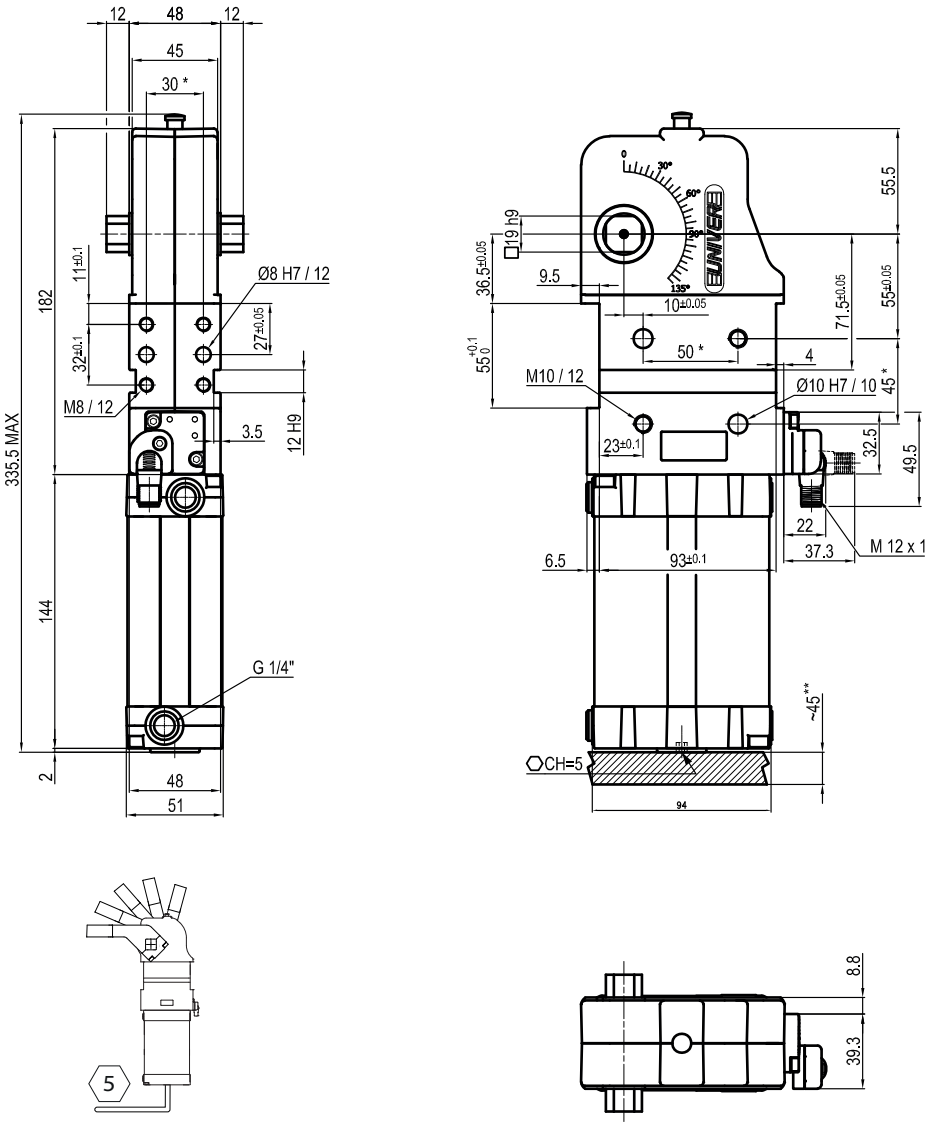
6 ARM STYLE
C = Central, 15 mm offset
D = Right, 15 mm offset
S = Left, 15 mm offset
E = Central, 45 mm offset
F = Right, 45 mm offset
L = Left, 45 mm offset
N = No arm
For other versions contact our Sales Dept.

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

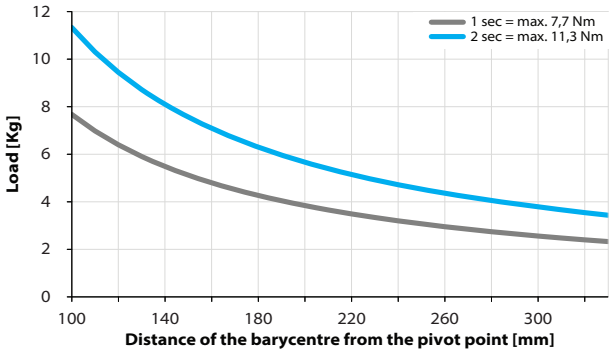
10 ATEX
X = ATEX option
See ATEX Catalogue for types and versions



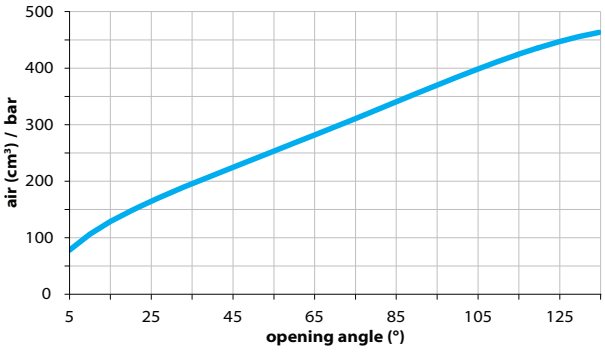
** TOLERANCE BETWEEN DOWELS ± 0,02, BETWEEN SCREW HOLES ± 0,1*
***AREA TO ACCESS ANGLE ADJUSTMENT*

Maximum Applicable Load

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

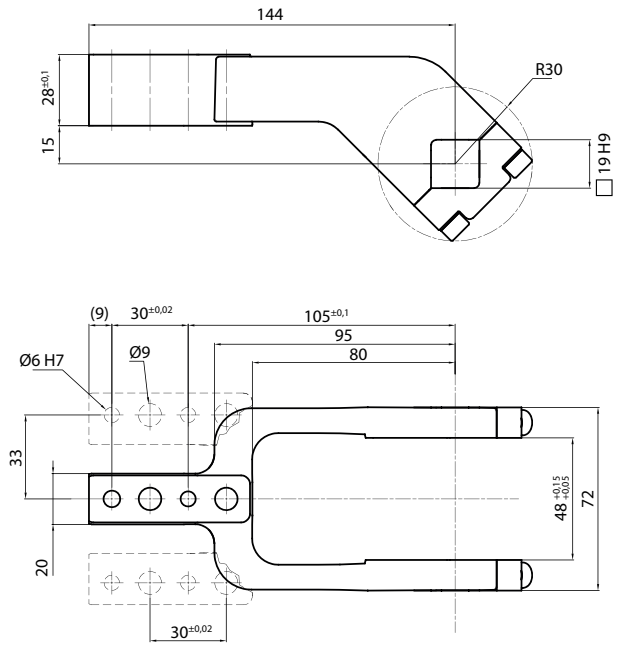


Air Consumption per Cycle

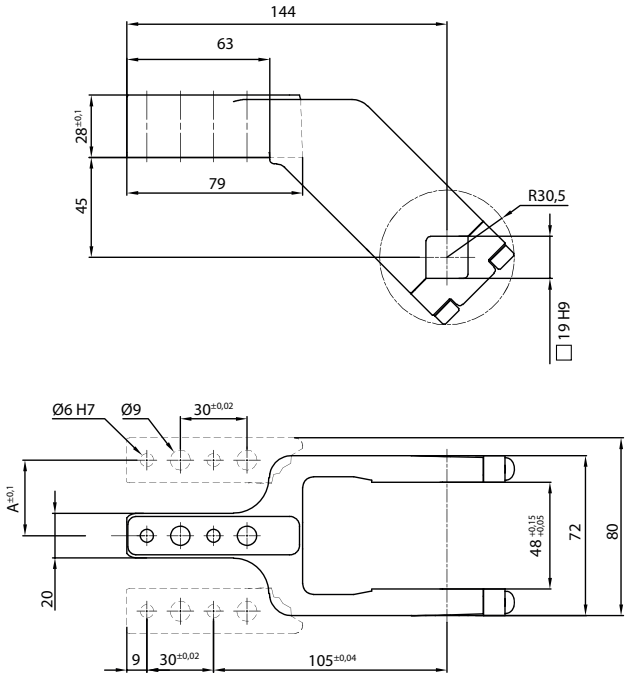


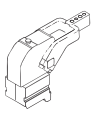
Clamping Arms

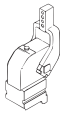
Arm Offset 15mm



Arm Offset 45mm







Armcode	Offset	Material	Arm style	Weight (Kg)	Opening angle (90°)	Opening angle (180°)
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



Self holding system

UBK46P19

UCBP 80

Pneumatic power clamps Ø80 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
- Integrated compensation system up to 2,9 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	**80 mm**
Holding moment	**4000 Nm**
Clamping moment (0,5 MPa)	**1100 Nm**
Weight (clamping arm not included)	**8,6 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

CODIFICATION KEY

UC	B	P	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
P = Pneumatic

4 SIZE
80 = Ø80 mm

5 ARM POSITION
V = 90°
O = 180°
N = No arm





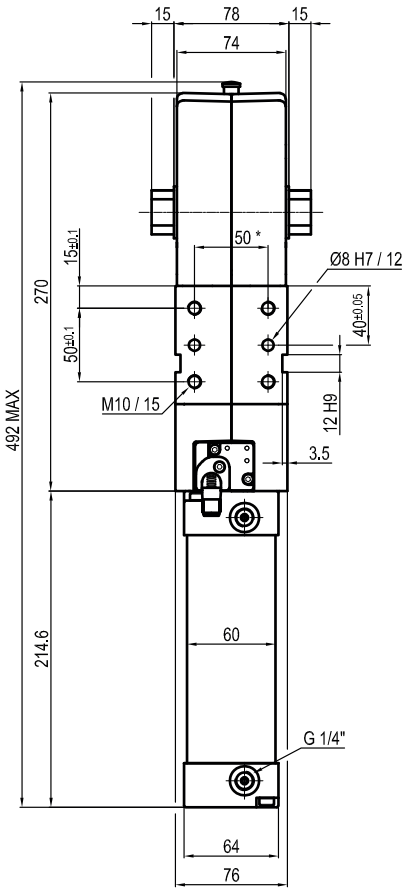
6 ARM STYLE
C = Central, 20 mm offset
D = Right, 20 mm offset
S = Left, 20 mm offset
E = Central, 45 mm offset
F = Right, 45 mm offset
L = Left, 45 mm offset
N = No arm
For other versions contact our Sales Dept.

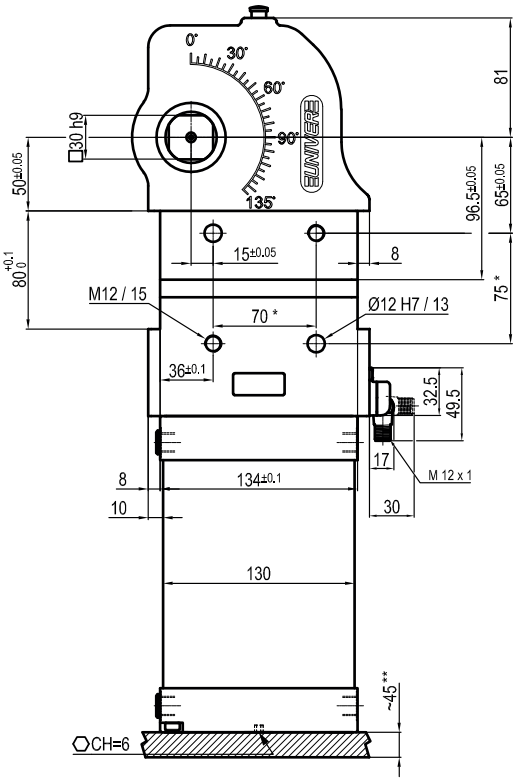
7 ARM TYPE
A = Aluminium
S = Steel
N = No arm

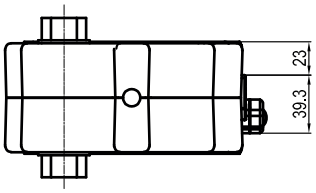
8 SENSOR
N = No sensor (with protection plate)
K = Electronic sensor PNP, M12 (DF-K)
D = Pneumatic sensor (DF-UPNW80)
J = Electronic sensor NPN, optical (DF-J)
Y = Electronic sensor PNP, M12 (DF-Y) white LED

9 PRODUCT REVISION
Assigned by UNIVER

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



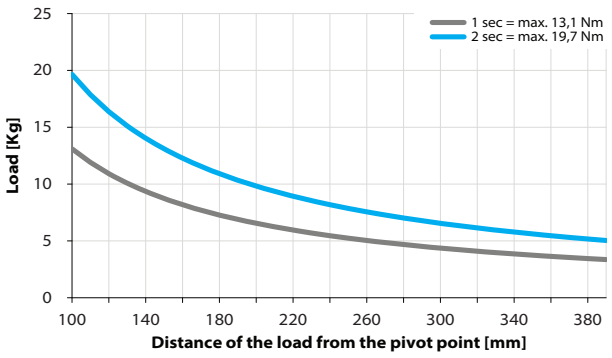




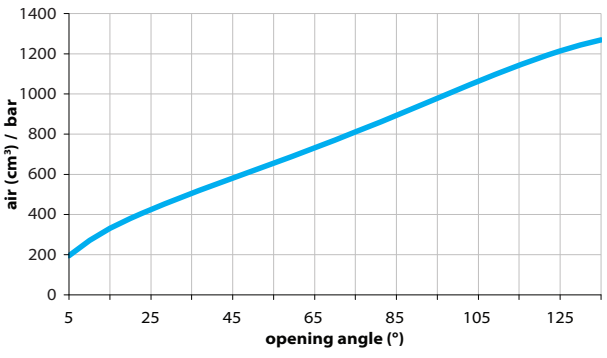
** TOLERANCE BETWEEN DOWELS ± 0,02, BETWEEN SCREW HOLES ± 0,1*
***AREA TO ACCESS ANGLE ADJUSTMENT*

Maximum Applicable Load

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

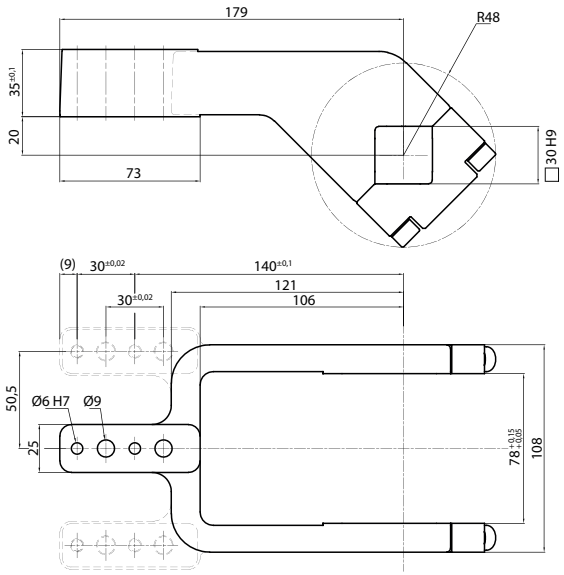


Air Consumption per Cycle

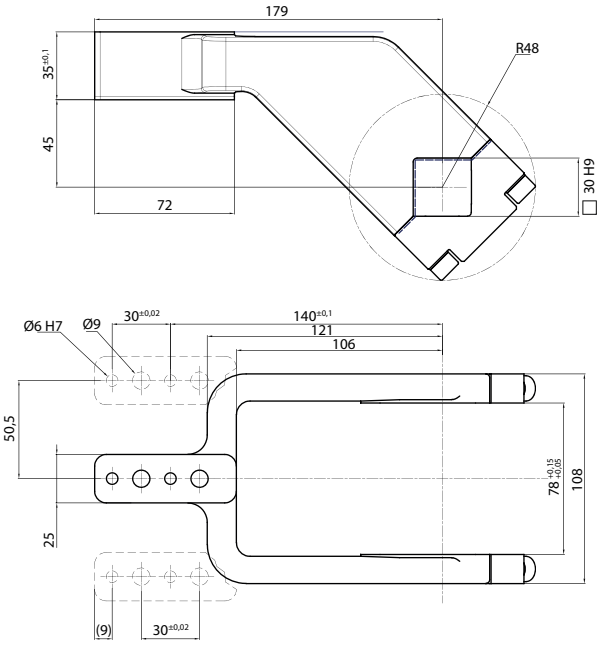


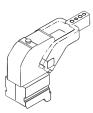
Clamping Arms

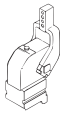
Arm Offset 20mm



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	2,3	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



Self holding system

UBK46P30