ULP 32

Pneumatic retractable locating pin unit, single rod, Ø32 mm



Pneumatic retractable pin unit, single rod, typically used in welding applications to locate metal sheets in a definite position.

- Metal rod scraper
- Antirotation system
- Optical sensor
- Many rod end styles available

CHARACTERISTICS

Operating temperature	**5° ÷ 45° C**
Min./Max. operating pressure	**0,4 / 0,6 MPa**
Bore Ø	**32 mm**
Max Pull force (0,5 MPa)	**296 N**
Max Push force (0,5 MPa)	**390 N**
Max. Torque (6 Nm)	**± 0,06 mm**
Max. Deflection (5,5 Nm)	**± 0,03 mm**
Weight	**1,7 Kg**
Pneumatic supply ports	**G 1/8**
Sensor	**electronic (optical)**
Supply voltage	**10 ÷ 30 Vdc**
IP code	**IP 65**

LIGHTWEIGHT

METAL SCRAPER

OPTICAL SENSOR

DOUBLE GUIDE

ANTI ROTATION

COMPACT

CODIFICATION KEY

UL	P	32	040	C	X	K	0		
1	2	3	4	5	6	7	8	9	

1 SERIES
UL = UNICLAMP locating pin unit

2 VERSION
P = Pneumatic, single rod

3 SIZE
32 = Ø32 mm

4 STROKE
020 = 20 mm
040 = 40 mm

5 ROD END STYLE
A = Rod for offset pins
B = Rod with profiled end
C = Rod with cross-profiled end inner Ø16 mm
E = Rod with cross-profiled end inner Ø10 mm

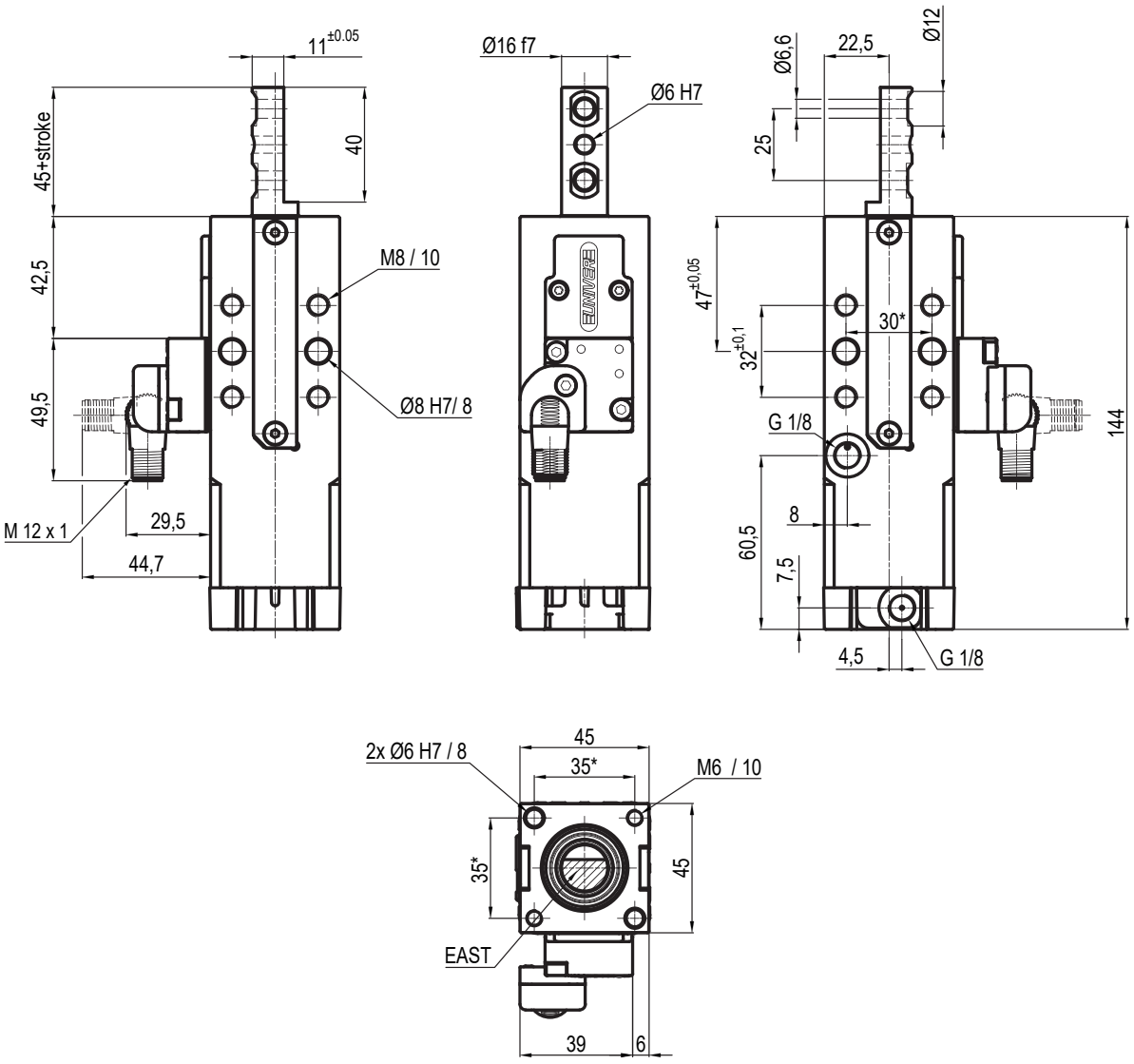
6 ROD ORIENTATION
X = Symmetrical
E* = East
O* = West
N* = North
S* = South
*only with "A" rod style

7 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

8 PRODUCT REVISION
Assigned by UNIVER

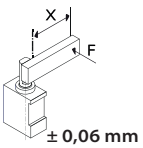
9 ATEX
X = ATEX option
See ATEX Catalogue for types and versions

A | Rod for offset pins

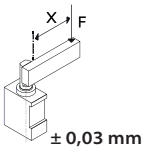




**TOLERANCE BETWEEN DOWELS ± 0,02 BETWEEN SCREW HOLES ± 0,1*



Max. Torque
6 Nm
X = 100 mm



Max. deflection
moment 5,5 Nm
X = 100 mm

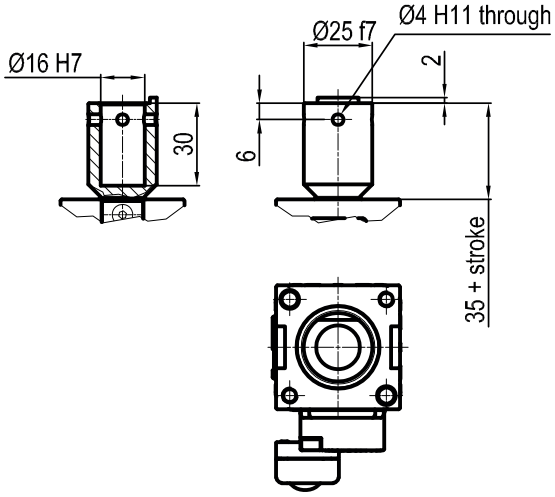
Sensors



Electronic (optical)

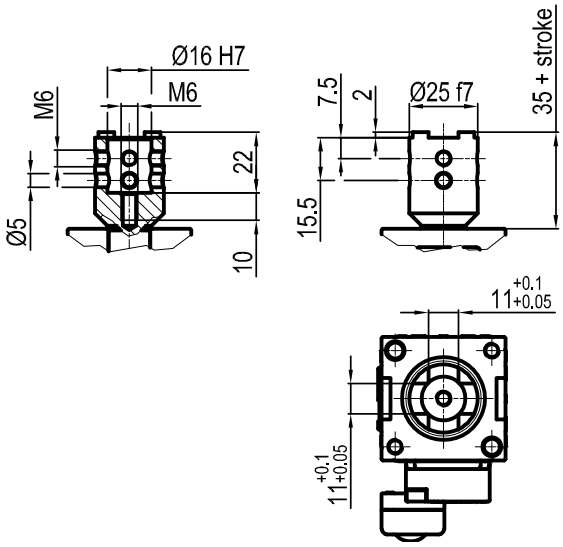
DF-K PNP M12
DF-J NPN M12
DF-Y PNP M12 White LED

B | Rod with profiled end



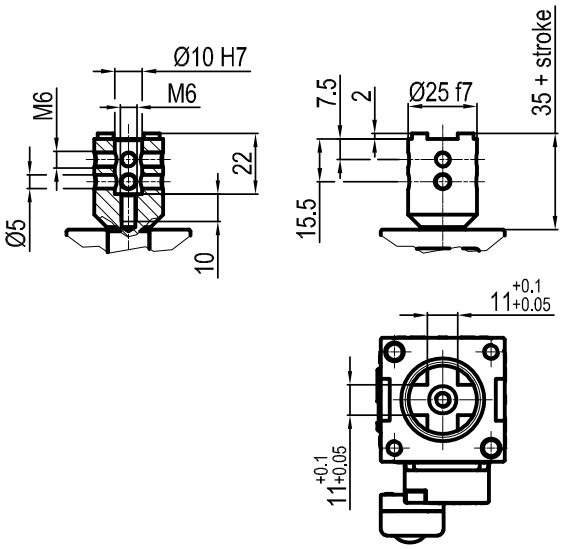
C | Rod with cross-profiled end

Inner Ø16 mm



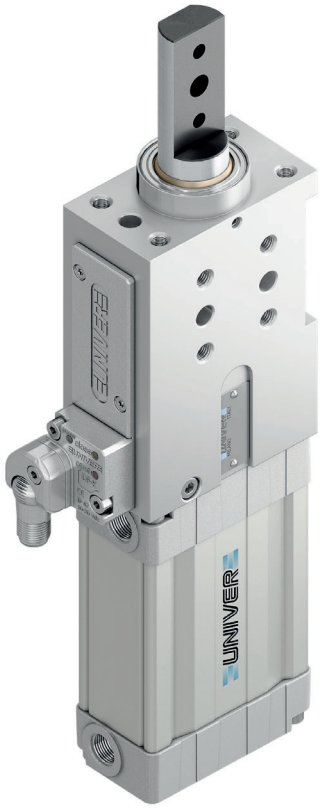
E | Rod with cross-profiled end

Inner Ø10 mm



ULP 50

Pneumatic retractable locating pin unit, single rod, Ø50 mm



Pneumatic retractable pin unit, single rod, typically used in welding applications to locate metal sheets in a definite position.

- Metal rod scraper
- Antirotation system
- Double guide to avoid backlash
- Compact dimensions
- Electronic or pneumatic sensor
- Many rod end styles available
- Version with hand lever available (ULM series)

CHARACTERISTICS

Operating temperature	**5° ÷ 45° C**
Min./Max. operating pressure	**0,4 / 0,6 MPa**
Bore Ø	**50 mm**
Max Pull force (0,5 MPa)	**860 N**
Max Push force (0,5 MPa)	**960 N**
Max. Torque (6 Nm)	**± 0,06 mm**
Max. Deflection (7,5 Nm)	**± 0,03 mm**
Weight	**2,3 Kg**
Pneumatic supply ports	**G 1/4 on both sides**
Sensor	**electronic (optical)**
Supply voltage	**10 ÷ 30 Vdc**
IP code	**IP 65**

LIGHTWEIGHT

METAL SCRAPER

OPTICAL SENSOR

DOUBLE GUIDE

ANTI ROTATION

COMPACT

CODIFICATION KEY

UL	P	50	**040**	**C**	**X**	**K**	0		
1	2	3	4	5	6	7	8	9	

1 SERIES
UL = UNICLAMP locating pin unit

2 VERSION
P = Pneumatic, single rod

3 SIZE
50 = Ø50 mm

4 STROKE

015 = 15 mm	060 = 60 mm
025 = 25 mm	075* = 75 mm
040 = 40 mm	100* = 100 mm
050 = 50 mm	110* = 110 mm

* special strokes **oversized body**

5 ROD END STYLE
A = Rod for offset pins
B = Rod with profiled end
C = Rod with cross-profiled end inner Ø 16 mm
D = Rod for offset pins with oversized dowel holes
E = Rod with cross profiled end inner Ø 10 mm
F = Compatible with NAAMS, inner Ø 16
H = Rod with flat end, inner Ø10 mm
I = Rod with flat end, inner Ø12 mm
L* = Rod with inner Ø12 mm
M* = Rod with inner Ø 20 mm
*compatible with **CNOMO** standard

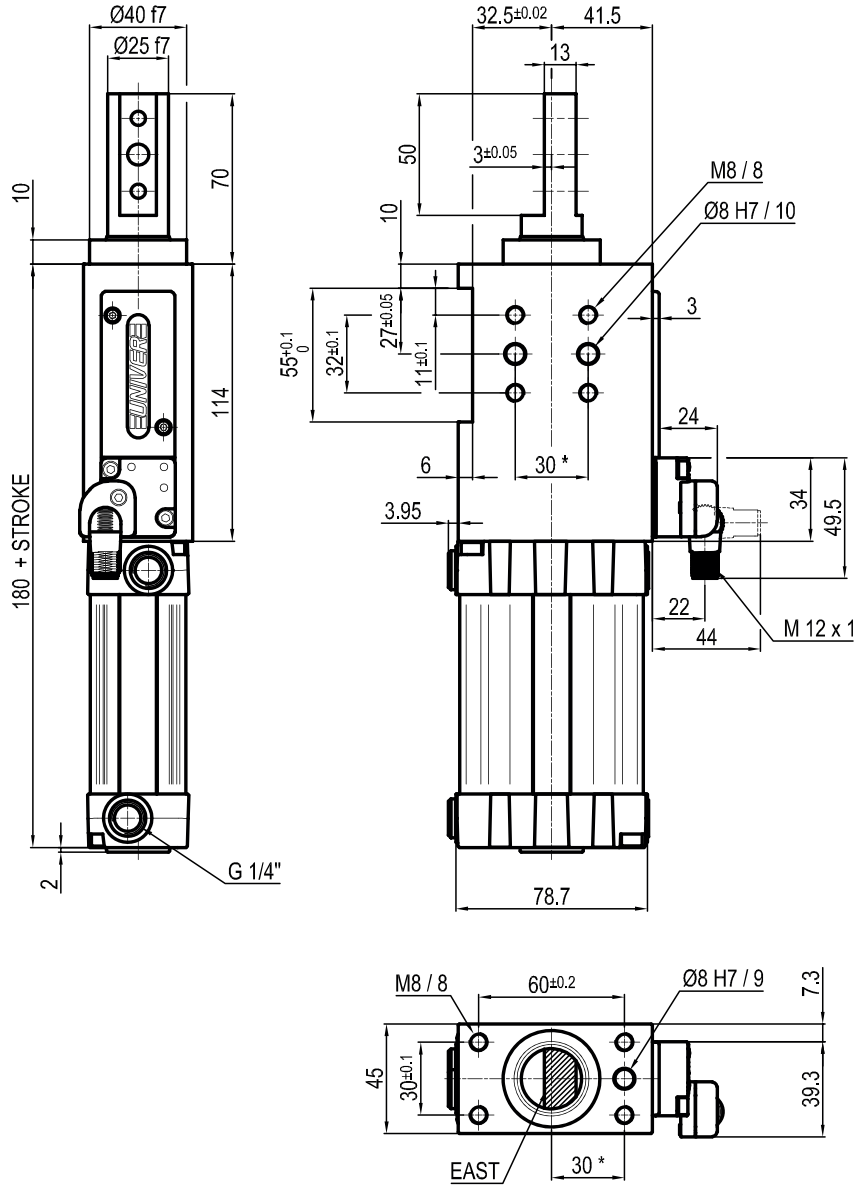
6 ROD ORIENTATION
X = Symmetrical
E* = East
O* = West
N* = North
S* = South
*only with **"A"** and **"D"** rod style

7 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

8 PRODUCT REVISION
Assigned by UNIVER

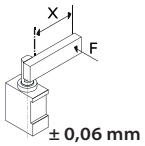
9 ATEX
X = ATEX option
See ATEX Catalogue for types and versions

A | Rod for offset pins



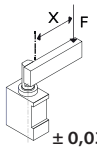


**TOLERANCE BETWEEN DOWELS ± 0,02 BETWEEN SCREW HOLES ± 0,1*



± 0,06 mm

Max. Torque
6 Nm
X = 100 mm



± 0,03 mm

Max. deflection
moment 7,5 Nm
X = 100 mm

Sensors



Electronic (optical)

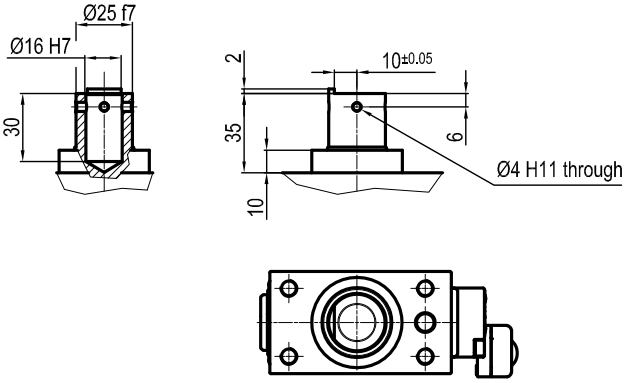
DF-K PNP M12
DF-J NPN M12
DF-Y PNP M12 White LED



Pneumatic

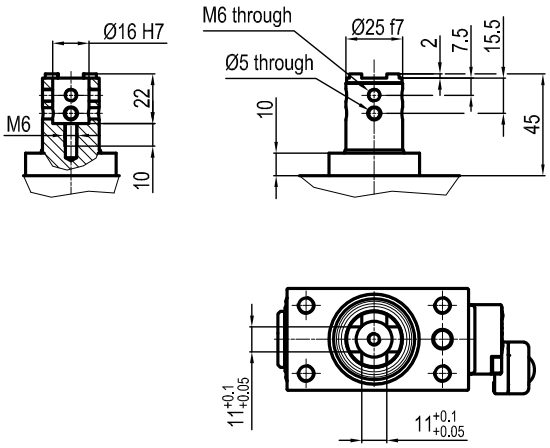
DF-UPNW

B Rod with profiled end



C Rod with cross-profiled end

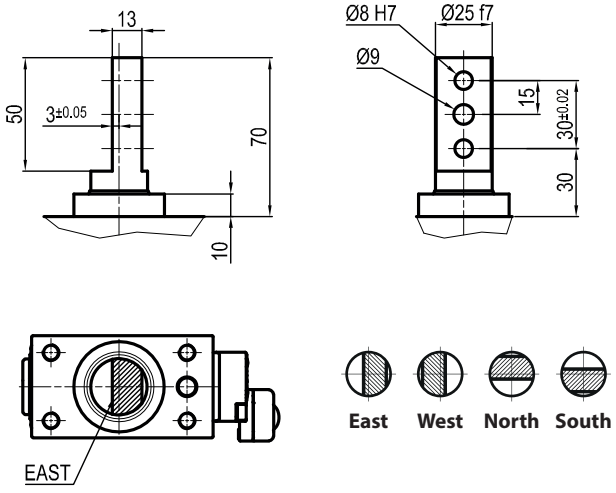
Inner Ø16 mm



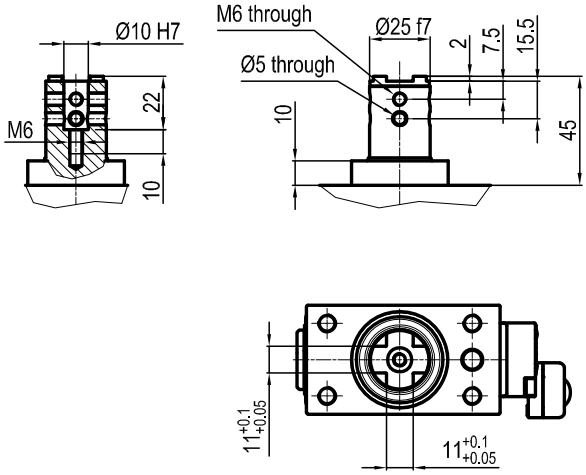
D Rod for offset pins

Oversized dowel holes

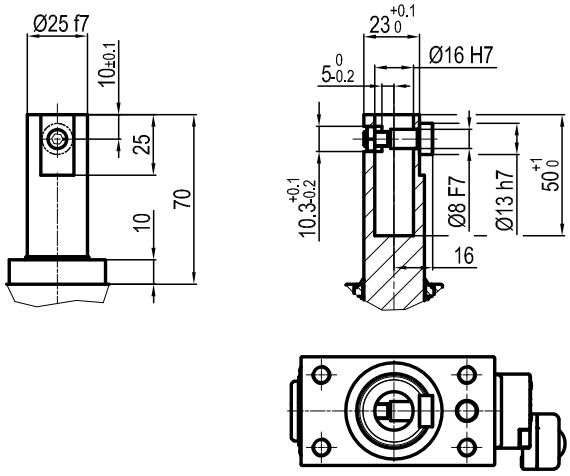
Max. deflection
moment 5,5 Nm
X = 100 mm



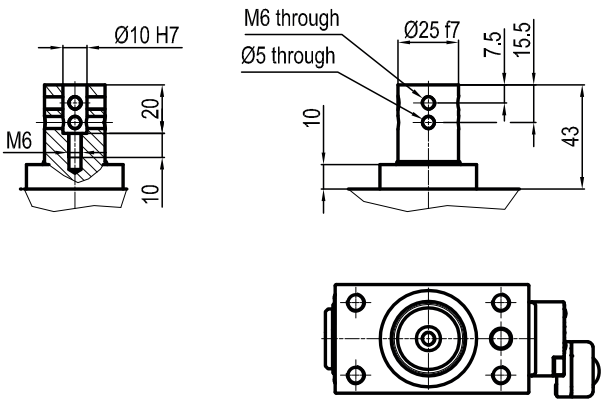
E | Rod with cross-profiled end
Inner Ø10 mm



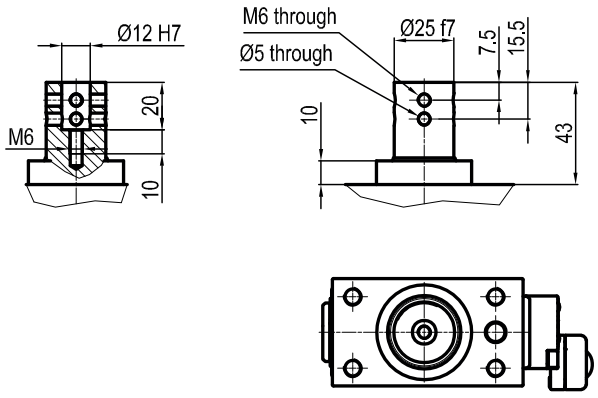
F | Compatible with NAAMS
Inner Ø16 mm



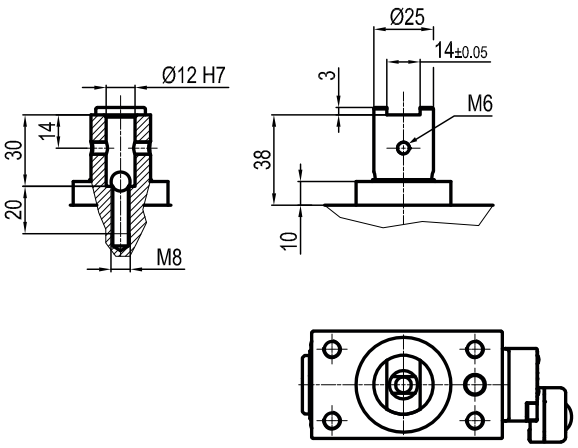
H | Rod with flat end
Inner Ø10 mm



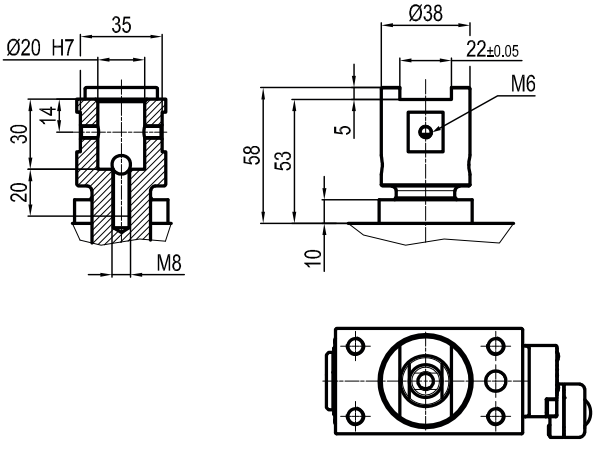
I Rod with flat end
Inner Ø12 mm



L Rod compatible with CNOMO standard
Inner Ø12 mm



M Rod compatible with CNOMO standard
Inner Ø20 mm



ULP 63

Pneumatic retractable locating pin unit, single rod, Ø63 mm



Pneumatic retractable pin unit, single rod, typically used in welding applications to locate metal sheets in a definite position.

- Metal rod scraper
- Antirotation system
- Double guide to avoid backlash
- Compact dimensions
- Electronic or pneumatic sensor
- Many rod end styles available

CHARACTERISTICS

Operating temperature	**5° ÷ 45° C**
Min./Max. operating pressure	**0,4 / 0,6 MPa**
Bore Ø	**63 mm**
Max Pull force (0,5 MPa)	**1430 N**
Max Push force (0,5 MPa)	**1530 N**
Max. Torque (6 Nm)	**± 0,06 mm**
Max. Deflection (7,5 Nm)	**± 0,03 mm**
Weight	**3,4 Kg**
Pneumatic supply ports	**G 1/4 on both sides**
Sensor	**electronic (optical)**
Supply voltage	**10 ÷ 30 Vdc**
IP code	**IP 65**

LIGHTWEIGHT

METAL SCRAPER

OPTICAL SENSOR

DOUBLE GUIDE

ANTI ROTATION

COMPACT

CODIFICATION KEY

UL	P	63	**040**	**C**	**X**	**K**	0		
1	2	3	4	5	6	7	8	9	

1 SERIES
UL = UNICLAMP locating pin unit

2 VERSION
P = Pneumatic, single rod

3 SIZE
63 = Ø63 mm

4 STROKE
015 = 15 mm
025 = 25 mm
040 = 40 mm
050 = 50 mm
060 = 60 mm

5 ROD END STYLE
A = Rod for offset pins
B = Rod with profled end
C = Rod with cross-profiled end inner Ø 16 mm
D = Rod for offset pins with oversized dowel holes
E = Rod with cross profiled end inner Ø 10 mm
F = Compatible with NAAMS, inner Ø 16
H = Rod with flat end, inner Ø10 mm
I = Rod with flat end, inner Ø12 mm
L* = Rod with inner Ø12 mm
M* = Rod with inner Ø 20 mm
*compatible with **CNOMO** standard

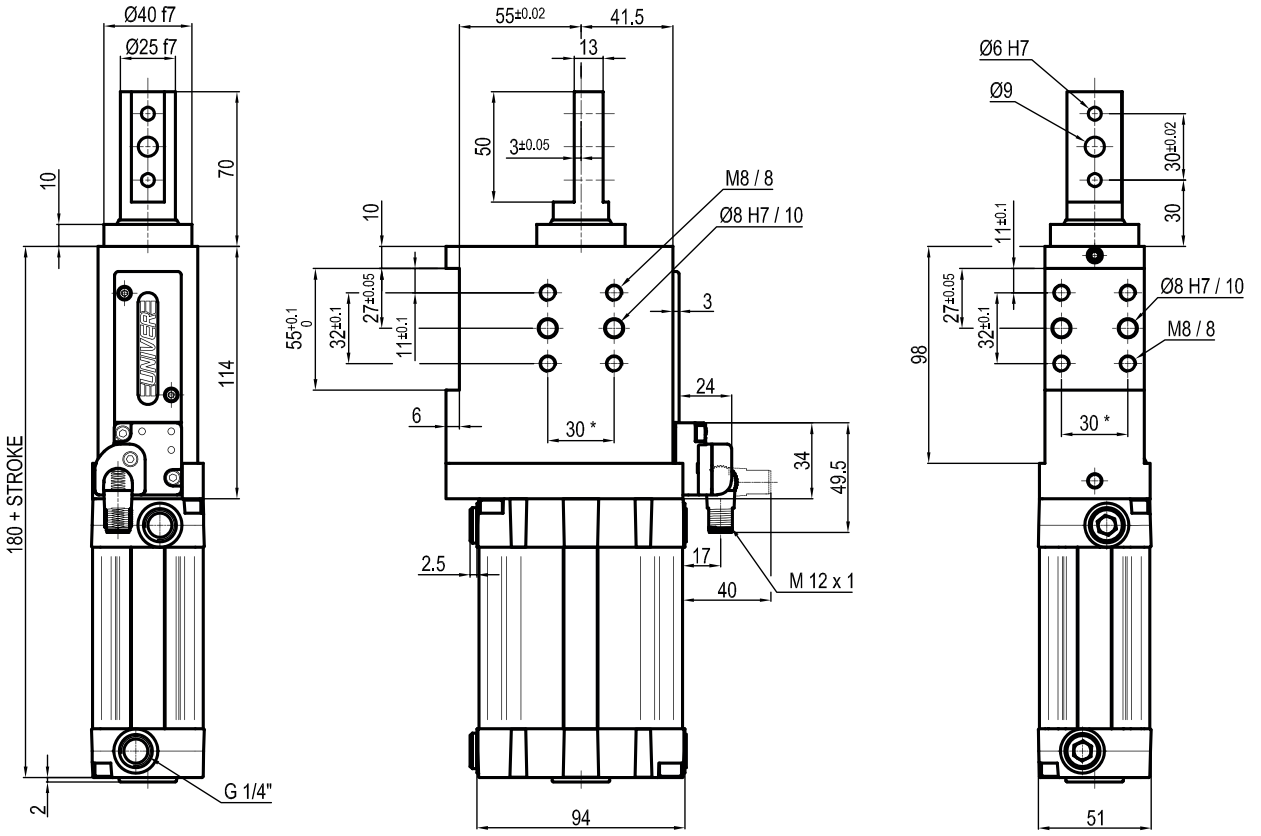
6 ROD ORIENTATION
X = Symmetrical
E* = East
O* = West
N* = North
S* = South
*only with **"A"** and **"D"** rod style

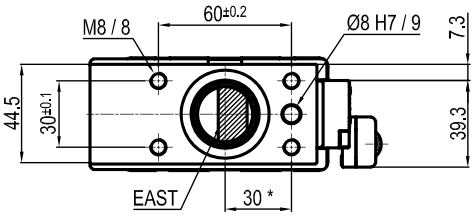
7 SENSOR
N = No sensor (with protection plate)
K = Electronic sensor PNP, M12 (DF-K)
D = Pneumatic sensor (DF-UPNW)
J = Electronic sensor NPN, optical (DF-J)
Y = Electronic sensor PNP, M12 (DF-Y) white LED

8 PRODUCT REVISION
Assigned by UNIVER

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

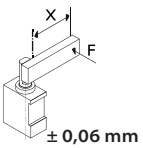
A Rod for offset pins





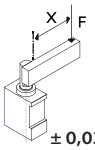


**TOLERANCE BETWEEN DOWELS ± 0,02 BETWEEN SCREW HOLES ± 0,1*



± 0,06 mm

Max. Torque
6 Nm
X = 100 mm



± 0,03 mm

Max. deflection
moment 7,5 Nm
X = 100 mm

Sensors



Electronic (optical)

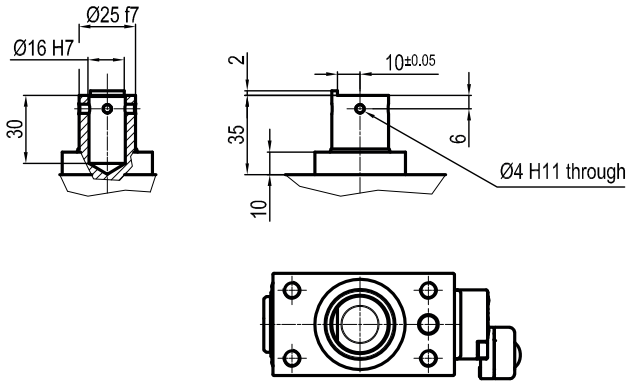
DF-K PNP M12
DF-J NPN M12
DF-Y PNP M12 White LED



Pneumatic

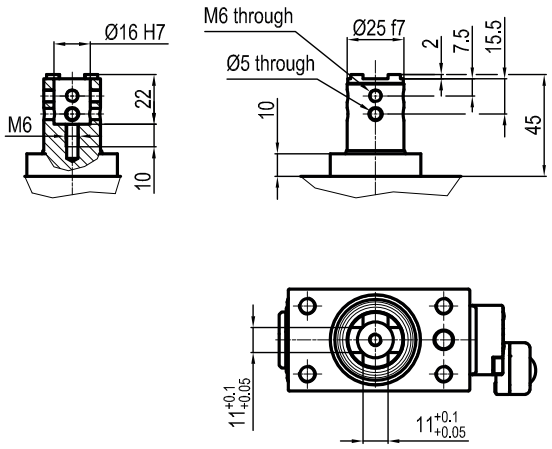
DF-UPNW

B | Rod with profiled end



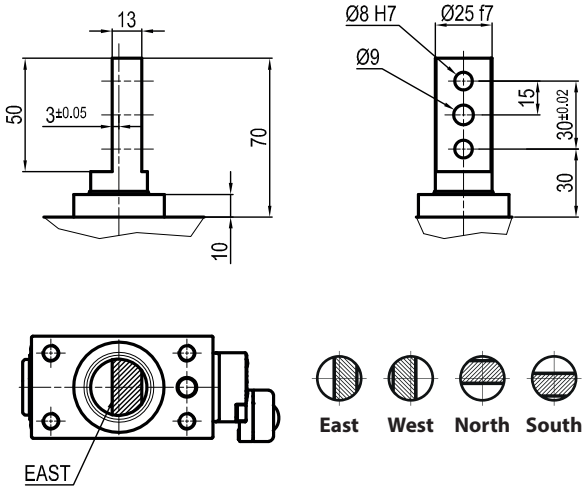
C | Rod with cross-profiled end

Inner Ø16 mm

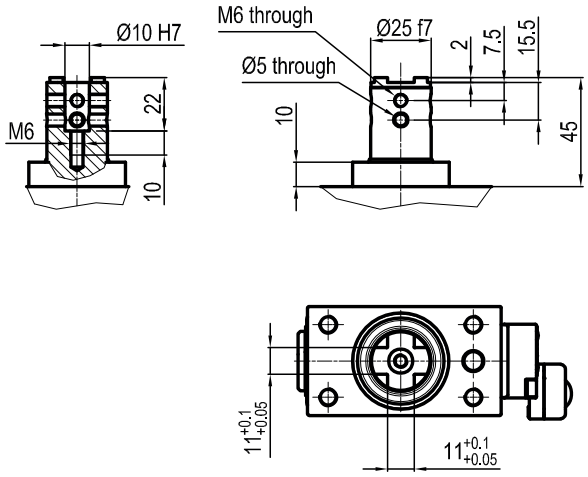


D | Rod for offset pins

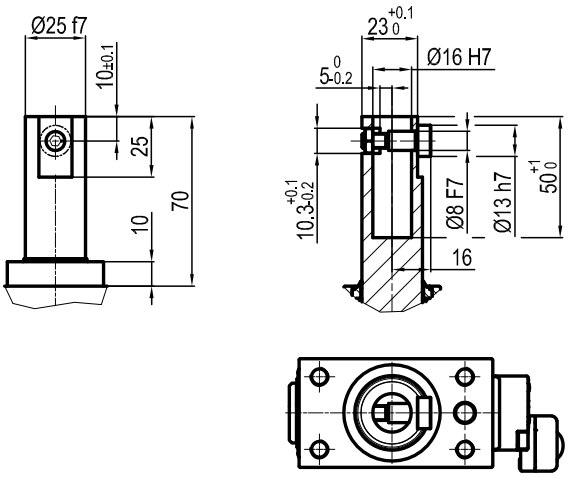
Oversized dowel holes



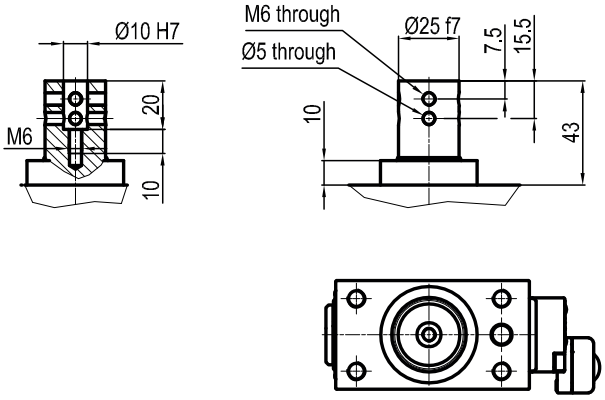
E Rod with cross-profiled end
Inner Ø10 mm



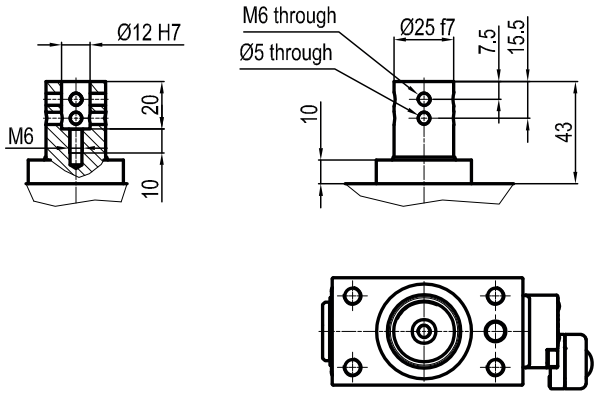
F Compatible with NAAMS
Inner Ø16 mm



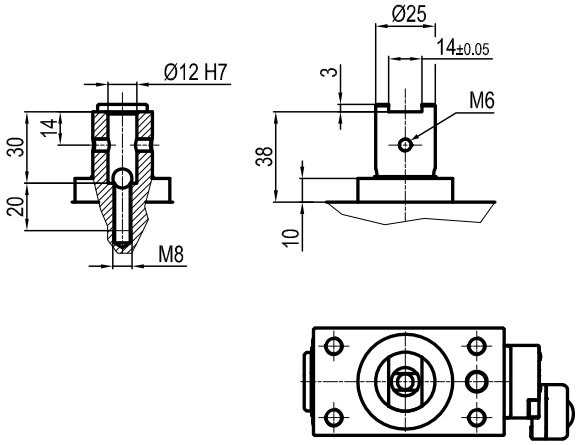
H Rod with flat end
Inner Ø10 mm



I | Rod with flat end
Inner Ø12 mm



L | Rod compatible with CNOMO standard
Inner Ø12 mm



M | Rod compatible with CNOMO standard
Inner Ø20 mm

