ULA 40

Pneumatic retractable locating pin unit, double rod, Ø40 mm



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

- Metal rod scraper
- Double guide to avoid backlash
- Compact dimensions
- Electronic or pneumatic sensor
- Many rod end styles available
- Rod orientation adjustable by the user

CHARACTERISTICS

Operating temperature	**5° ÷ 45° C**
Min./Max. operating pressure	**0,4 / 0,6 MPa**
Bore Ø	**40 mm**
Max Pull force (0,5 MPa)	**550 N**
Max Push force (0,5 MPa)	**600 N**
Max. Torque (3 Nm)	**± 0,1 mm**
Max. Deflection (6 Nm)	**± 0,03 mm**
Weight	**1,3 Kg**
Pneumatic supply ports	**G 1/8 on both sides**
Sensor	**electronic (optical)**
Supply voltage	**10 ÷ 30 Vdc**
IP code	**IP 65**

OPTICAL SENSOR

LIGHTWEIGHT

COMPACT

METAL SCRAPER

DOUBLE GUIDE

CODIFICATION KEY

UL	A	40	**040**	**N**	**A**	**K**	0	
1	2	3	4	5	6	7	8	9

1 SERIES
UL = UNICLAMP locating pin unit

2 VERSION
A = Pneumatic, double orientable rod

3 SIZE
40 = Ø40 mm

4 STROKE
020 = 20 mm
040 = 40 mm

5 ROD END STYLE
A = Rod for offset pins (2 screws, 1 dowel)
N = Rod for offset pins with inverted holes (1 screw, 2 dowels)
G = Rod for offset pins rod plane matching body middle axis (2 screws, 1 dowel)
P = Rod for offset pins with inverted holes rod matching body middle axis (1 screw, 2 dowels)

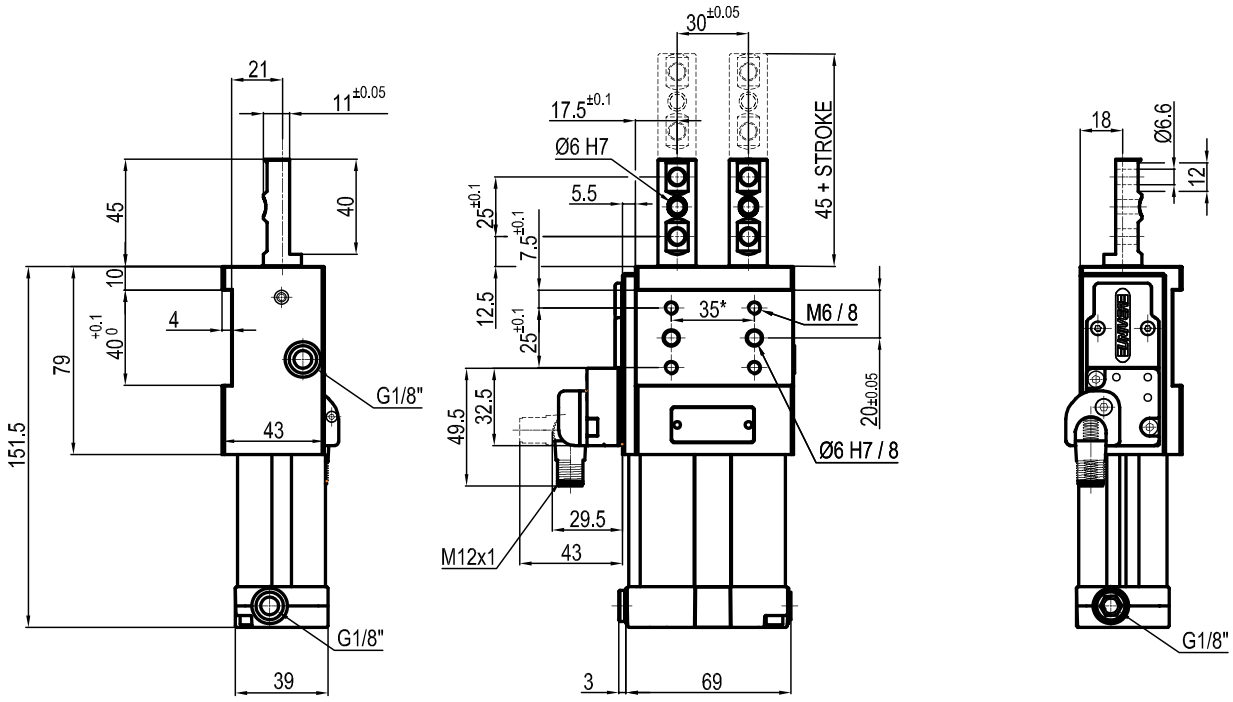
6 SIDE MOUNTING
A = 55 mm
S = Standard

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

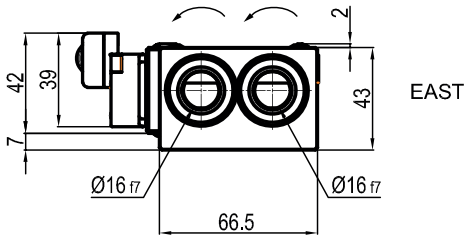
8 PRODUCT REVISION
Assigned by UNIVER

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

A Rod for offset pins
(2 screws, 1 dowel)

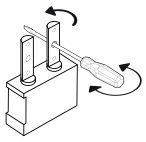


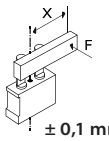
ORIENTABLE RODS



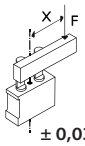
East **West**

**TOLERANCE BETWEEN DOWELS ± 0,02 BETWEEN SCREW HOLES ± 0,1*
***SIDE MOUNTING **55mm** UPON REQUEST (OPTION "**A**")*





± 0,1 mm
Max. Torque
3 Nm
X = 100 mm



± 0,03 mm
Max. deflection
moment 6 Nm
X = 100 mm

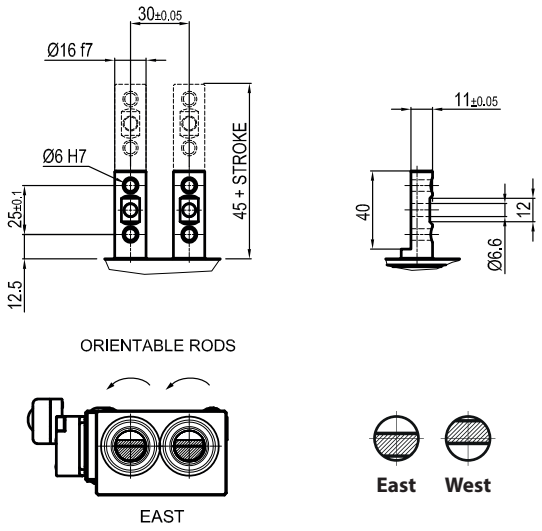
Sensors



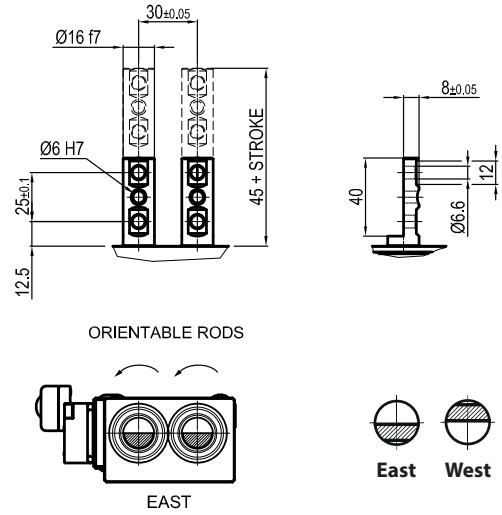


Electronic (optical)	Pneumatic
DF-K PNP M12	**DF-UPNWM**
DF-J NPN M12	
DF-Y PNP M12 White LED	

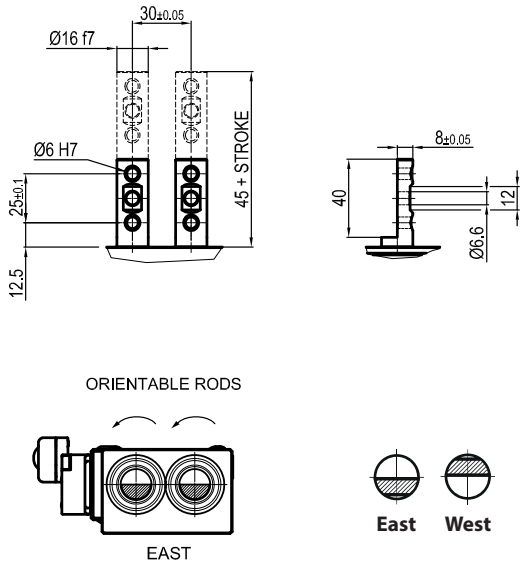
N Rod for offset pins
Inverted holes



G Rod for offset pins
Rod plane matching body middle axis



P Rod for offset pins
Inverted holes, rod plane matching body middle axis



ULA 63

Pneumatic retractable locating pin unit, double rod, Ø63 mm



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

- Metal rod scraper
- Double guide to avoid backlash
- Compact dimensions
- Electronic or pneumatic sensor
- Many rod end styles available
- Rod orientation adjustable by the user

OPTICAL SENSOR

LIGHTWEIGHT

COMPACT

METAL SCRAPER

DOUBLE GUIDE

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 (20 Nm)	**± 0,1 mm**
Max. Deflection (20 Nm)	**± 0,07 mm**
Weight	**4,6 Kg**
Pneumatic supply ports	**G 1/4 on both sides**
Sensor	**electronic (optical)**
Supply voltage	**10 ÷ 30 Vdc**
IP code	**IP 65**

CODIFICATION KEY

UL	A	63	**040**	A	**K**	0		
1	2	3	4	5	6	7	8	

1 SERIES
UL = UNICLAMP locating pin unit

2 VERSION
A = Pneumatic, double orientable rod

3 SIZE
63 = Ø63 mm

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

* special strokes **oversized body**

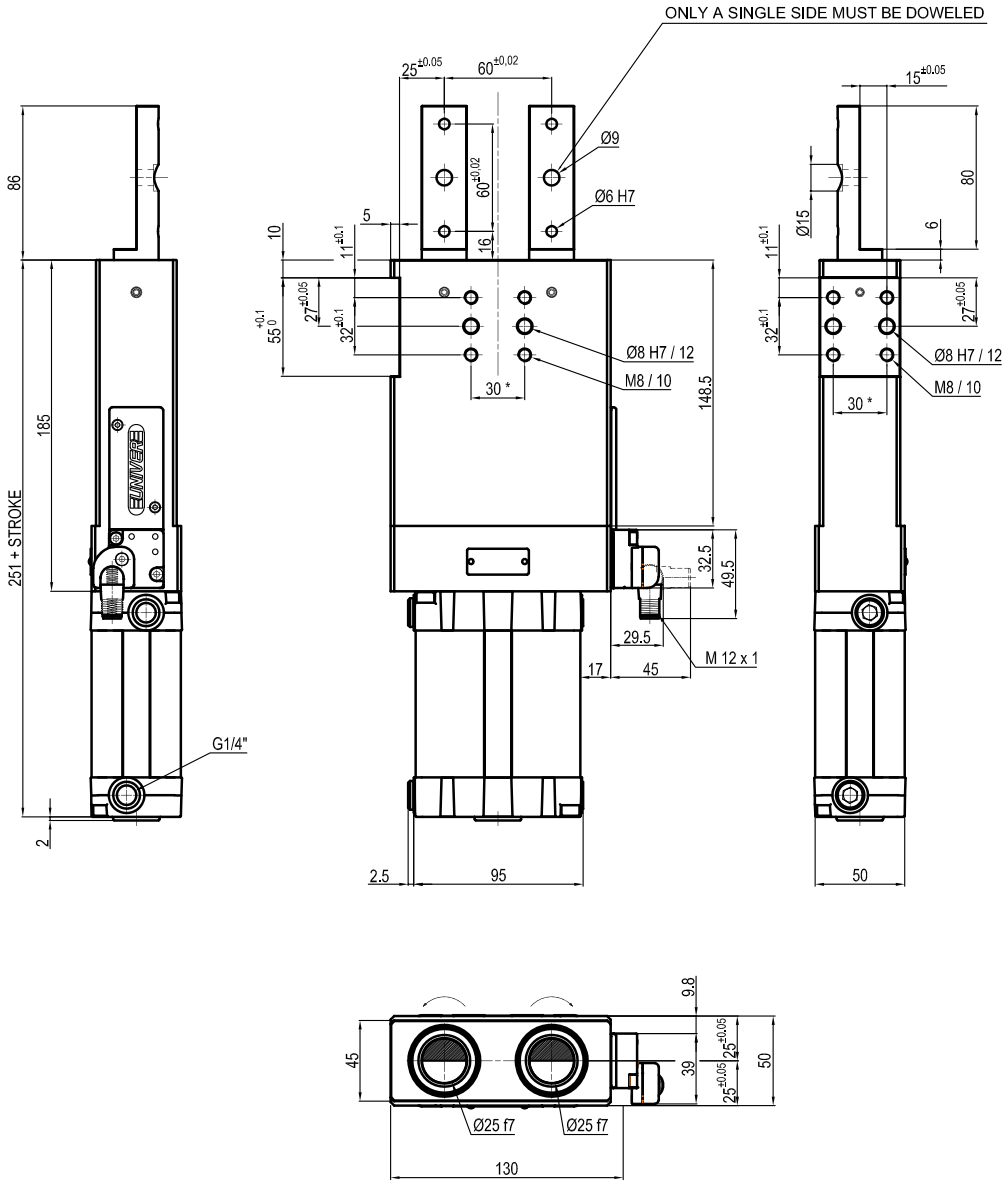
5 ROD END STYLE
A = Rod for offset pins

6 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

7 PRODUCT REVISION
Assigned by UNIVER

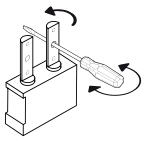
8 ATEX
X = ATEX option
See ATEX Catalogue for types and versions

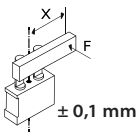
A | Rod for offset pins



East **West**

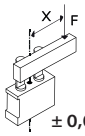
**TOLERANCE BETWEEN DOWELS ± 0,02 BETWEEN SCREW HOLES ± 0,1*





± 0,1 mm

Max. Torque
20 Nm
X = 100 mm



± 0,07 mm

Max. deflection
moment 20 Nm
X = 100 mm

Sensors





Electronic (optical)	Pneumatic
DF-K PNP M12	**DF-UPNW**
DF-J NPN M12	
DF-Y PNP M12 White LED	