

# 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

## CODIFICATION KEY

UL | A | 40 | 040 | N | A | K | 0 | |

1 2 3 4 5 6 7 8 9



OPTICAL SENSOR



LIGHTWEIGHT



COMPACT



METAL SCRAPER



DOUBLE GUIDE

1

**SERIES**  
UL = UNICLAMP locating pin unit

2

**VERSION**  
A = Pneumatic, double orientable rod

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**SIZE**  
40 = Ø40 mm

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**STROKE**  
020 = 20 mm  
040 = 40 mm

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**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)

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**SIDE MOUNTING**  
A = 55 mm  
S = Standard

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**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

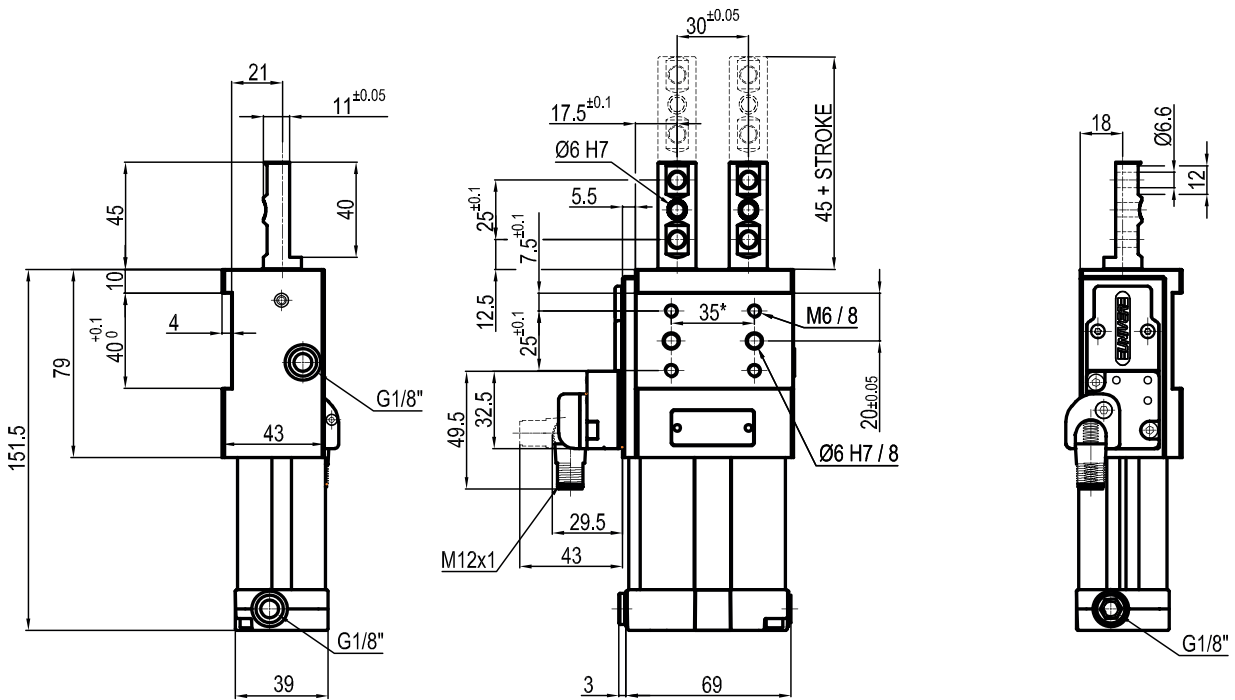
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**PRODUCT REVISION**  
Assigned by UNIVER

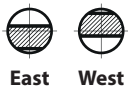
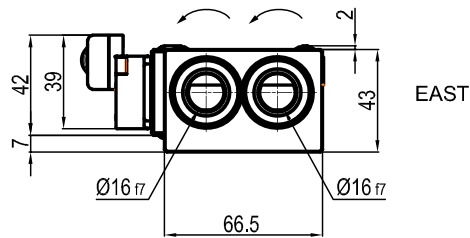
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**ATEX**  
X = ATEX option  
See ATEX Catalogue for types and versions

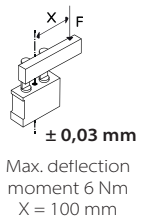
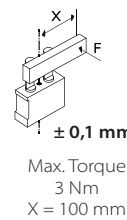
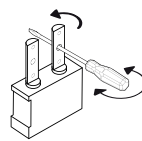
**A** Rod for offset pins  
(2 screws, 1 dowel)



ORIENTABLE RODS



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



Sensors



Electronic (optical)

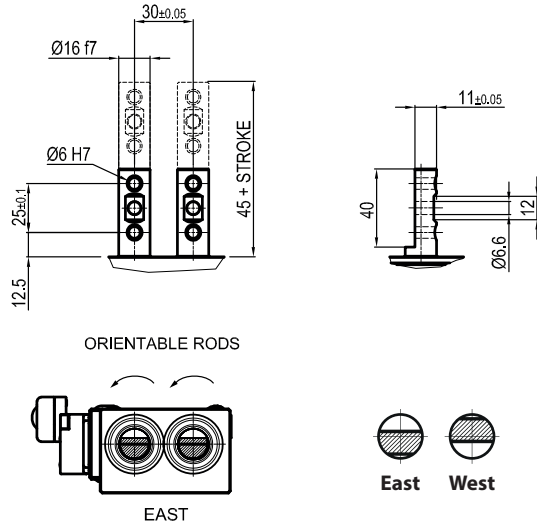
DF-K PNP M12  
DF-J NPN M12  
DF-Y PNP M12 White LED



Pneumatic

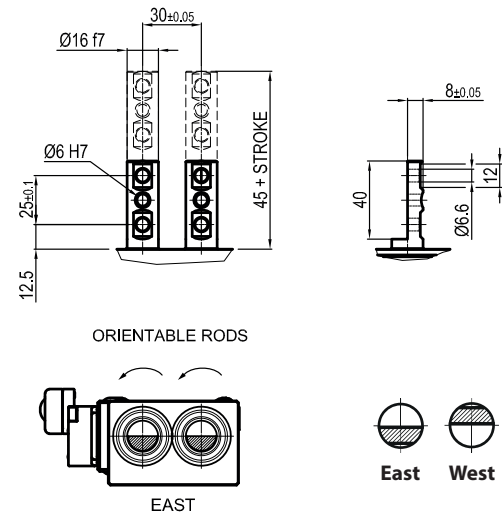
DF-UPNWM

**N** Rod for offset pins  
Inverted holes



3

**G** Rod for offset pins  
Rod plane matching body middle axis



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

