ULY 40

Irreversible pneumatic retractable locating pin unit, single rod, Ø40 mm with hand lever



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

- Toggle-joint system to hold the position even in case of air loss
- Metal rod scraper
- Antirotation system
- Electronic sensor
- Many rod end styles available
- Ergonomic hand lever

CHARACTERISTICS

Operating temperature	**5° ÷ 45° C**
Min./Max. operating pressure	**0,4 / 0,6 MPa**
Bore Ø	**40 mm**
Min. Pull force (0,5 MPa)	**200 N**
Max Push force (0,5 MPa)**	**3100 N**
Max. Torque (6 Nm)	**± 0,06 mm**
Max. Deflection (7,5 Nm)	**± 0,03 mm**
Manual Max. Torque	**40 Nm**
Weight	**5,7 Kg**
Pneumatic supply ports	**G 1/8**
Sensor	**electronic (optical)**
Supply voltage	**10 ÷ 30 Vdc**
IP code	**IP 65**

***Max. push force at end stroke position*

IRREVERSIBLE

OPTICAL SENSOR

METAL SCRAPER

ANTI ROTATION

CODIFICATION KEY

UL	Y	40	040	A	E	K	0		
1	2	3	4	5	6	7	8	9	

1 SERIES
UL = UNICLAMP locating pin unit

2 VERSION
Y = Pneumatic, with toggle-joint mechanism, single rod and hand lever

3 SIZE
40 = Ø40 mm

4 STROKE
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
D = Rod for offset pins with oversized dowel holes

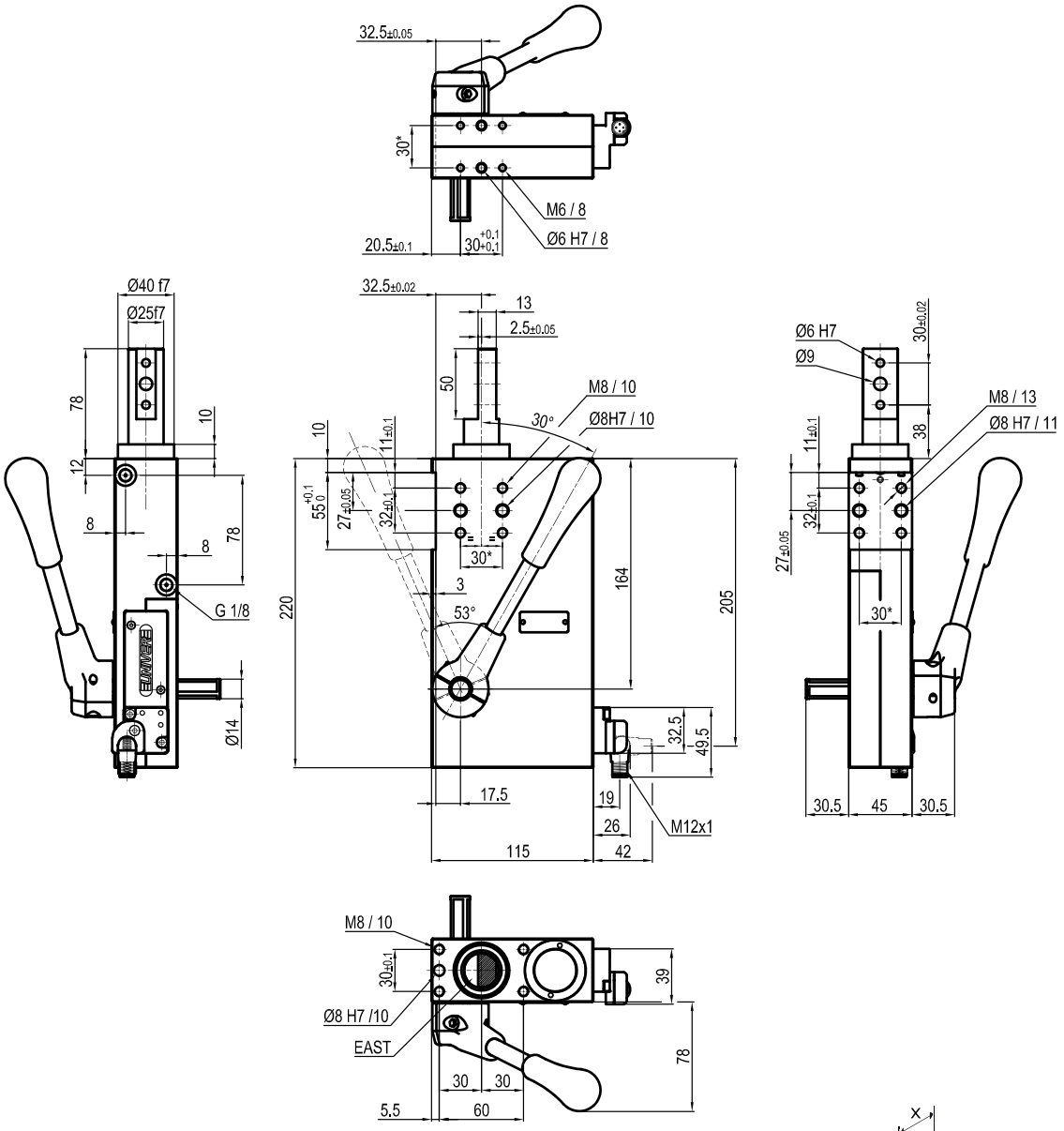
6 ROD ORIENTATION
X = Symmetrical
E* = East
O* = West
N* = North
S* = South
*only with **"A"** and **"D"** rod style

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

8 PRODUCT REVISION
Assigned by UNIVER

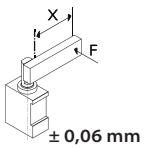
9 ATEX
X = ATEX option
See ATEX Catalogue for types and versions

A | Rod for offset pins



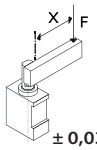


**TOLERANCE BETWEEN DOWELS ± 0,02 BETWEEN SCREW HOLES ± 0,1*



± 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

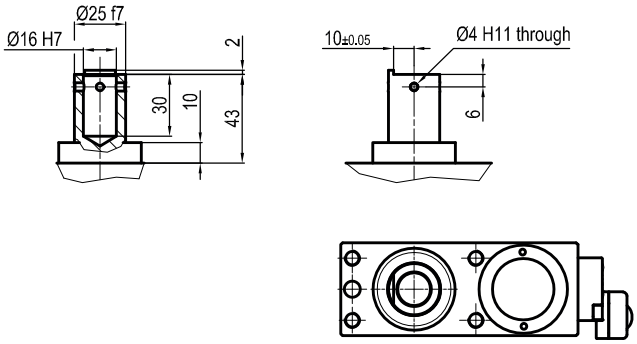
Accessories



Handlever

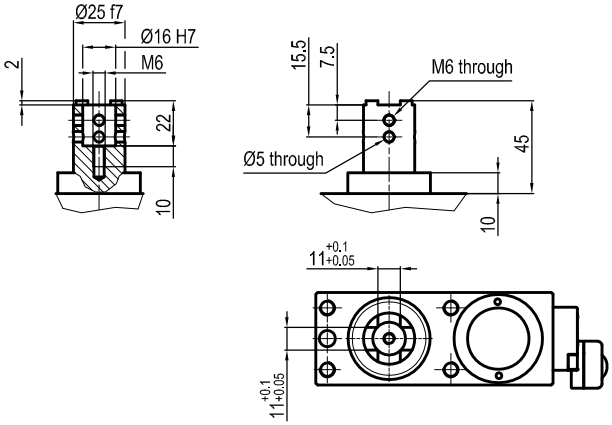
UBF2540

B | Rod with profiled end



C | Rod with cross-profiled end

Inner Ø16 mm



D | Rod for offset pins

Oversized dowel holes

