ULM 50

Pneumatic retractable locating pin unit, single rod, Ø50 mm with hand lever



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
- Ergonomic hand lever

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)	**560 N**
Max Push force (0,5 MPa)	**615 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**

OPTICAL SENSOR

LIGHTWEIGHT

COMPACT

METAL SCRAPER

DOUBLE GUIDE

ANTI ROTATION

CODIFICATION KEY

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

1 SERIES
UL = UNICLAMP locating pin unit

2 VERSION
M = Pneumatic, single rod with hand lever

3 SIZE
50 = Ø50 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

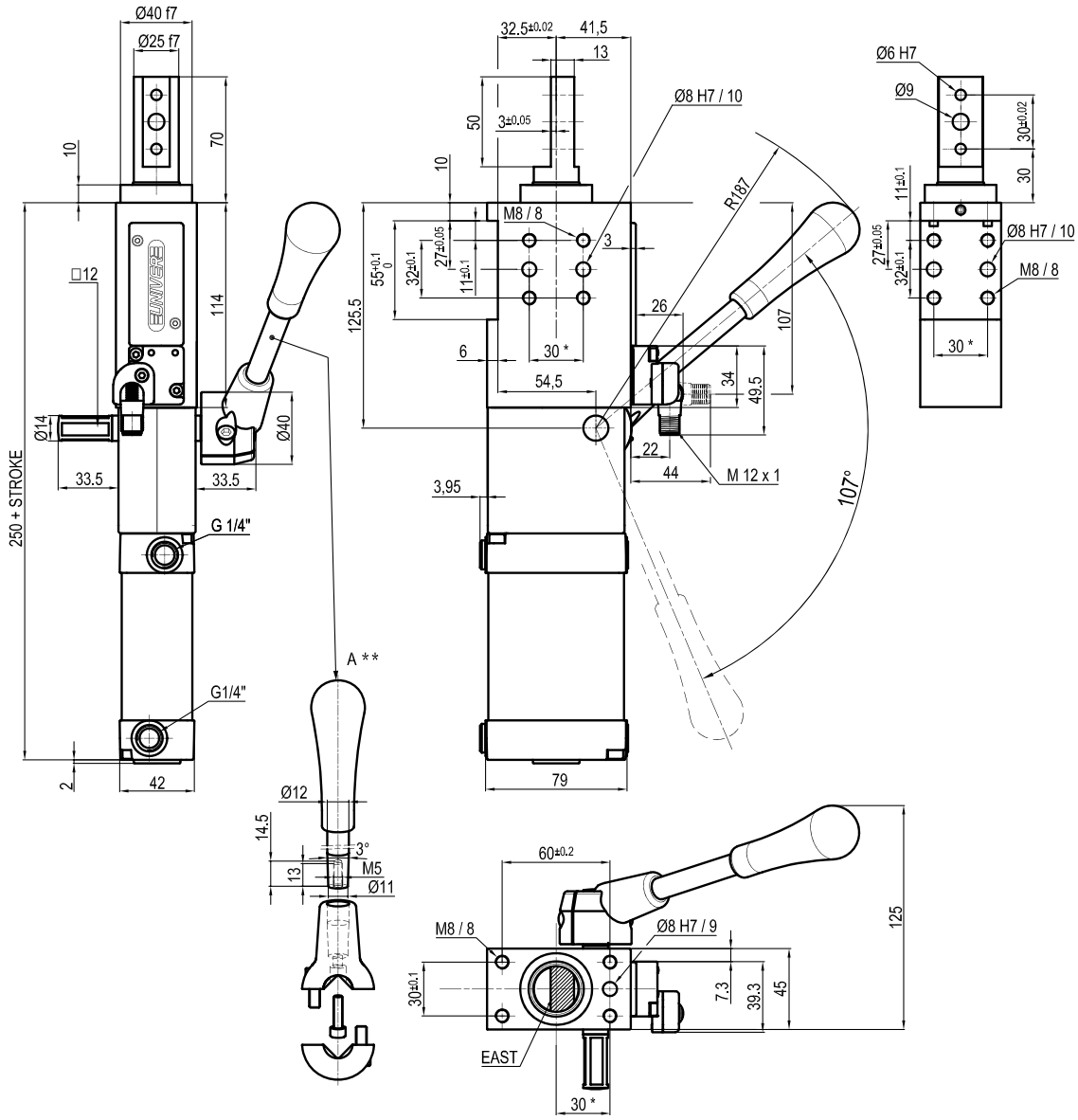
6 ROD ORIENTATION
X = Symmetrical
E* = East
O* = West
N* = North
S* = South
*only with "A" and "D" rod style

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

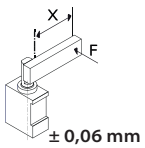
9 ATEX
X = ATEX option
See ATEX Catalogue for types and versions

A | Rod for offset pins



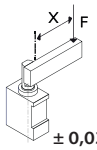
East **West** **North** **South**

**TOLERANCE BETWEEN DOWELS ± 0,02 BETWEEN SCREW HOLES ± 0,1*
***DIMENSIONS TO BE RESPECTED IN CASE OTHER MANUAL LEVERS ARE USED*



± 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

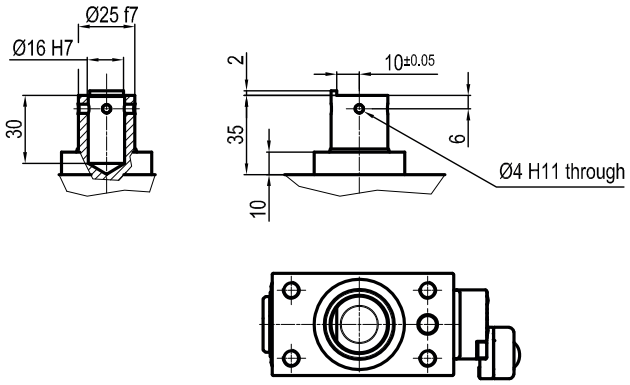
Accessories



Handlever

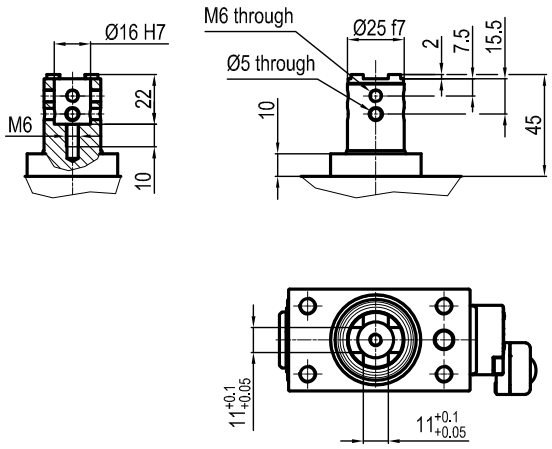
UBF255063

B | Rod with profiled end



C | Rod with cross-profiled end

Inner Ø16 mm

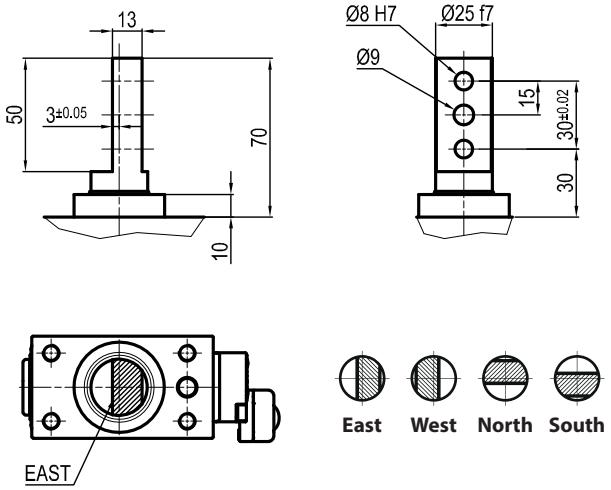


D | Rod for offset pins

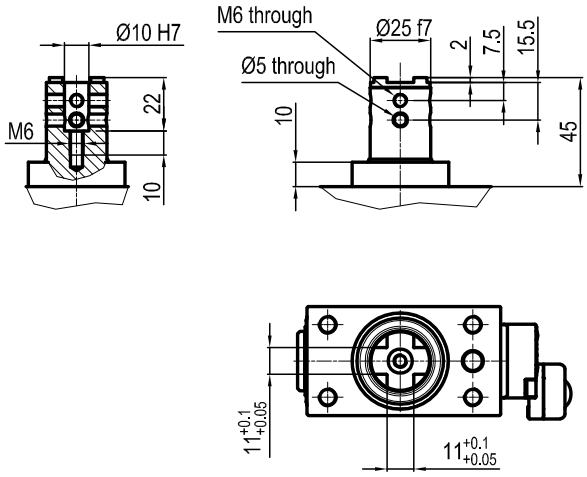
Oversized dowel holes

Max. Torque
6 Nm

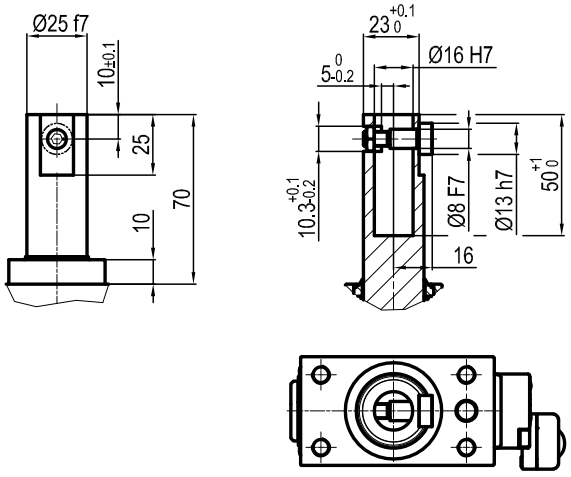
Max. deflection
moment 7,5 Nm



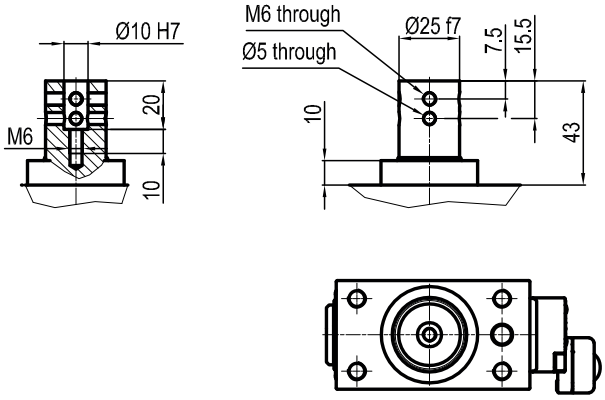
E Rod with cross-profiled end
Inner Ø10 mm



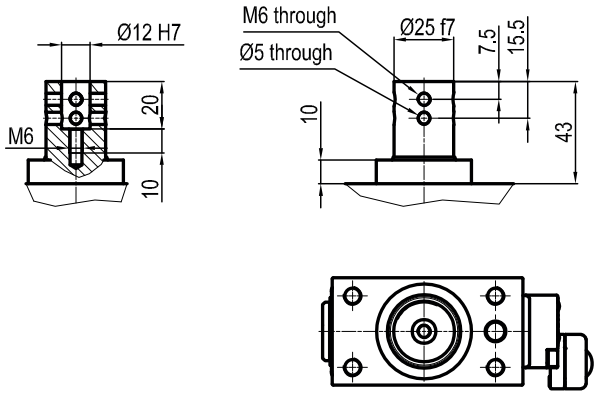
F Compatible with NAAMS
Inner Ø16 mm



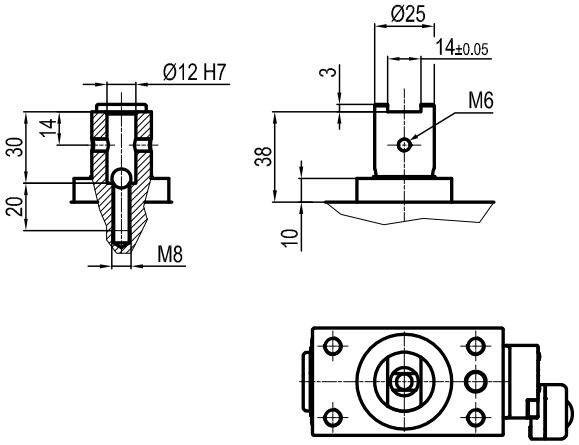
H Rod with flat end
Inner Ø10 mm



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

