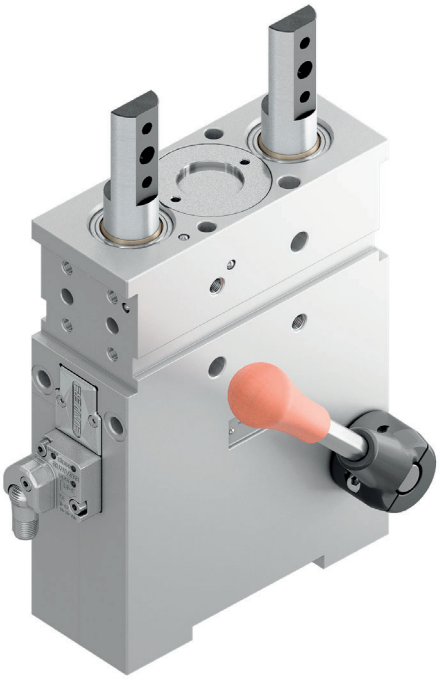
ULX 50

Irreversible pneumatic retractable locating pin unit, double rod, Ø50mm with hand lever



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

- Metal rod scraper
- Optical sensor
- Rod orientation adjustable by the user

CHARACTERISTICS

Operating temperature	**5° ÷ 45° C**
Min./Max. operating pressure	**0,4 / 0,6 MPa**
Bore Ø	**50 mm**
Min. Pull force (0,5 MPa)	**500 N**
Max Push force (0,5 MPa)**	**7150 N**
Max. Torque (20 Nm)	**± 0,1 mm**
Max. Deflection (20 Nm)	**± 0,07 mm**
Max. side load	**400 N**
Max. deflection (40 mm stroke at max. load)	**0,1 mm**
Max. offset (from middle point)	**200 mm**
Weight	**7,3 Kg**
Pneumatic supply ports	**G1/8**
Sensor	**electronic (optical)**
Supply voltage	**10 ÷ 30 Vdc**
IP code	**IP 65**

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

IRREVERSIBLE

OPTICAL SENSOR

METAL SCRAPER

CODIFICATION KEY

UL	X	50	040	G	K	0	
1	2	3	4	5	6	7	8

1 SERIES
UL = UNICLAMP locating pin unit

2 VERSION
X = Pneumatic, with toggle-joint mechanism double orientable rod and hand lever

3 SIZE
50 = Ø50 mm

4 STROKE
040 = 40 mm

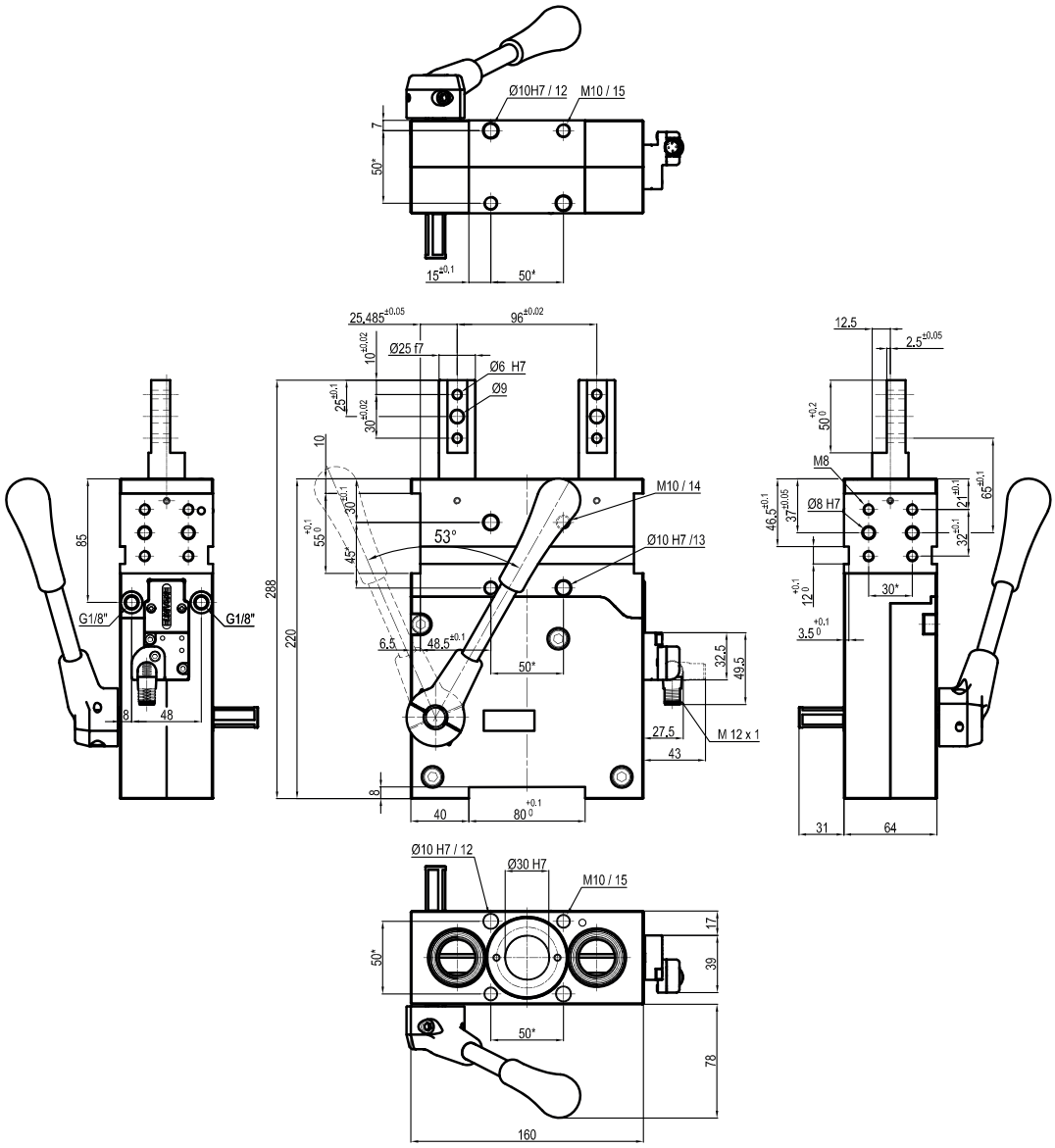
5 ROD END STYLE
A = Rod for offset pins
G = Rod for offset pins (rod plane matching body middle axis)

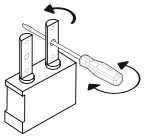
6 SENSOR
N = No sensor (with protection plate)
K = Electronic sensor PNP, M12 (DF-K)
J = Electronic sensor NPN, optical (DF-J)
Y = Electronic sensor PNP, M12 (DF-Y) white LED

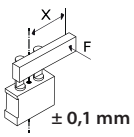
7 PRODUCT REVISION
Assigned by UNIVER

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

A | Rod for offset pins

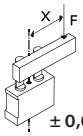






± 0,1 mm

Max. Torque
20 Nm
X = 100 mm



± 0,07 mm

Max. deflection
moment 20 Nm
X = 100 mm

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

Sensors



Electronic (optical)

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

Accessories

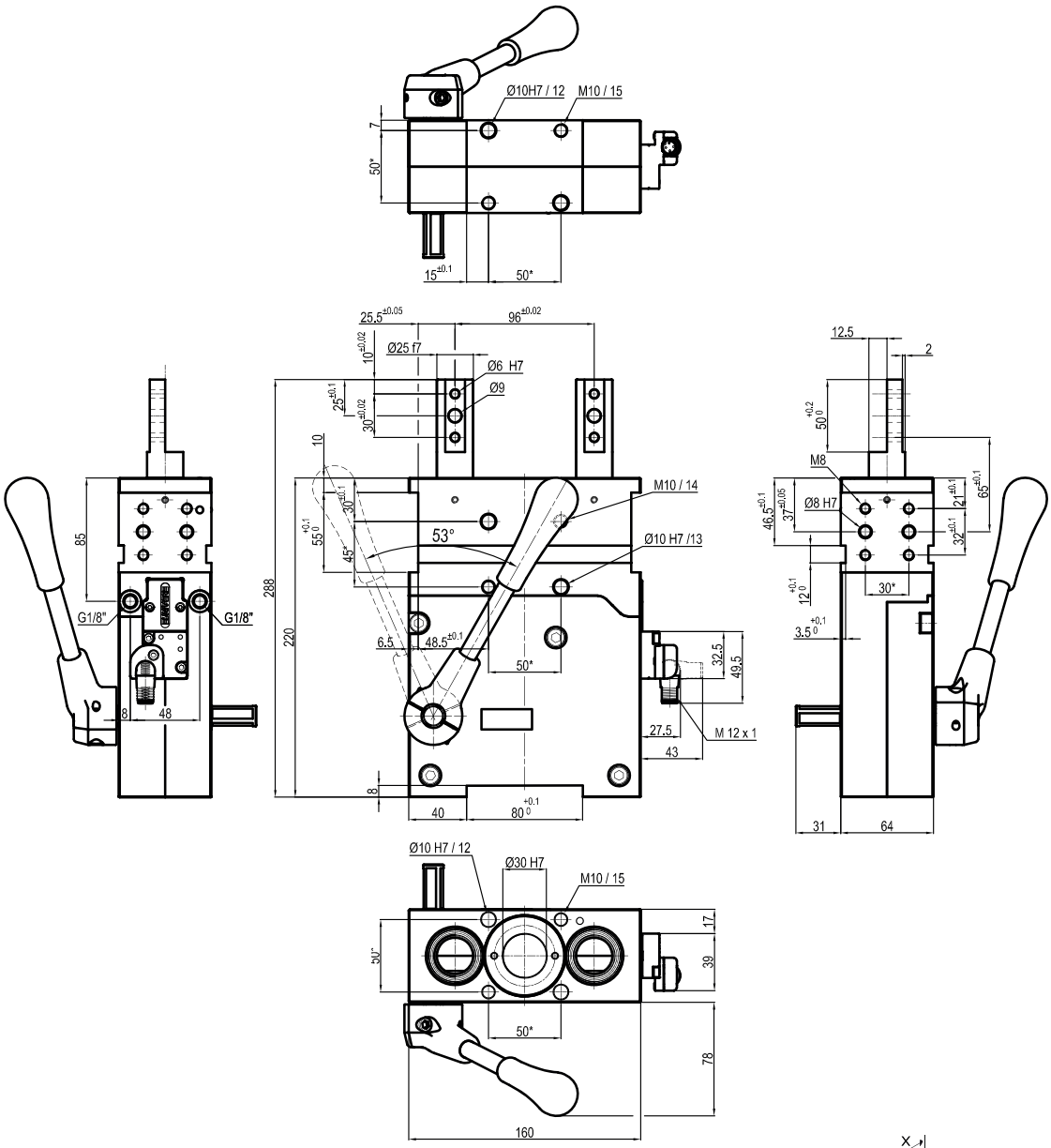


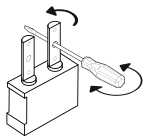
Handlever

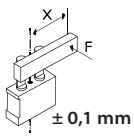
UBF255063

G Rod for offset pins

Rod plane matching body middle axis

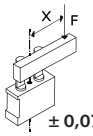






± 0,1 mm

Max. Torque
20 Nm
X = 100 mm



± 0,07 mm

Max. deflection
moment 20 Nm
X = 100 mm

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

Sensors



Electronic (optical)

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

Accessories



Handlever

UBF255063