ULT 50

Irreversible pneumatic retractable locating pin unit, double rod, Ø50 mm



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
- Version with hand lever available (ULX)

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	T	50	**040**	G	**K**	0	
1	2	3	4	5	6	7	8

1 SERIES
UL = UNICLAMP locating pin unit

2 VERSION
T = Pneumatic, with toggle-joint mechanism double orientable rod

3 SIZE
50 = Ø50 mm

4 STROKE
040 = 40 mm

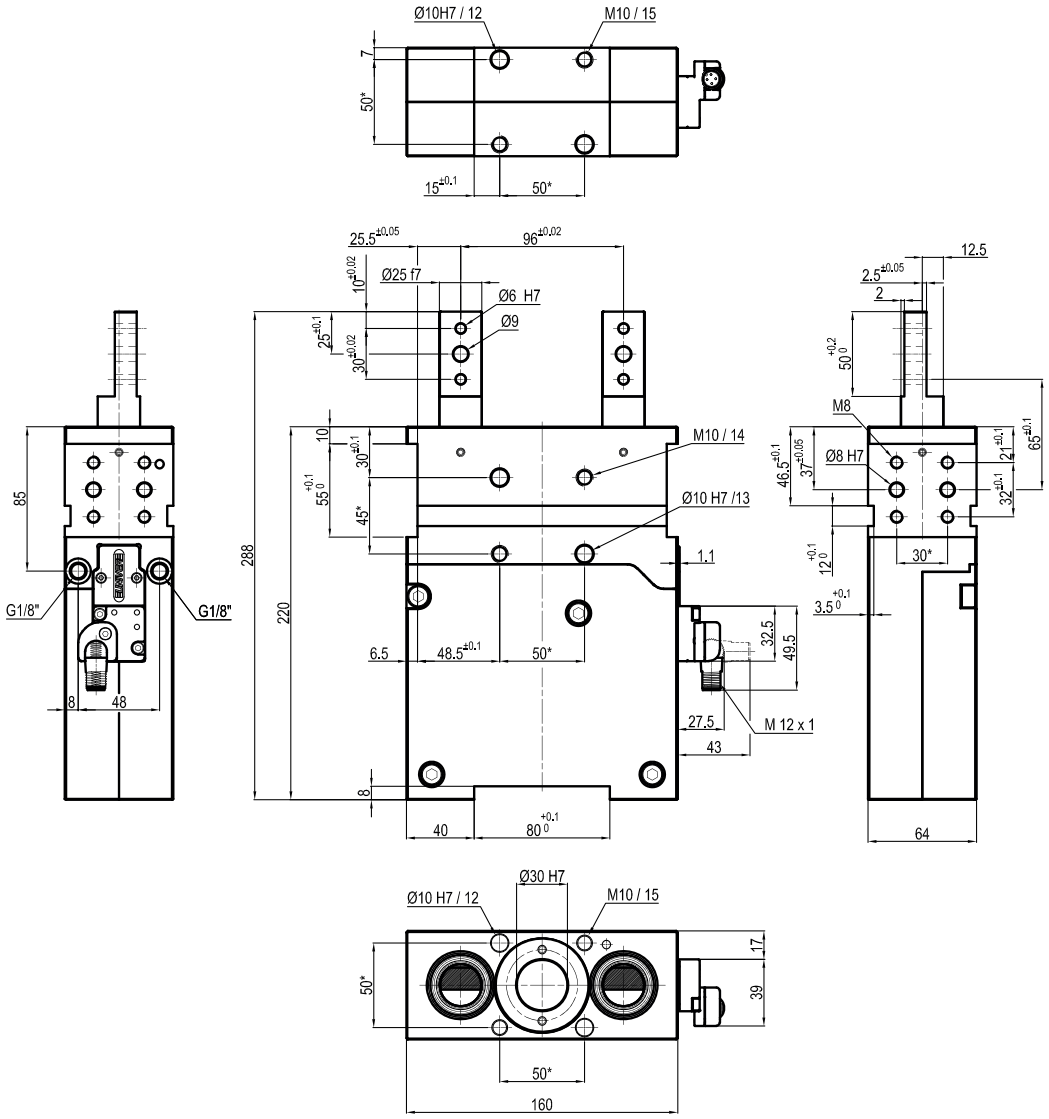
5 ROD END STYLE
A = Rod for offset pins
G = Rod for offset pins (rod plane matching body middle axis)

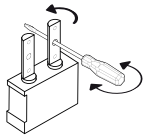
6 SENSOR
N = No sensor (with protection plate)
K = Electronic sensor PNP, M12 (DF-K)
J = Electronic sensor NPN, optical (DF-J)
Y = Electronic sensor PNP, M12 (DF-Y) white LED

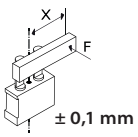
7 PRODUCT REVISION
Assigned by UNIVER

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

A | Rod for offset pins

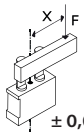






± 0,1 mm

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

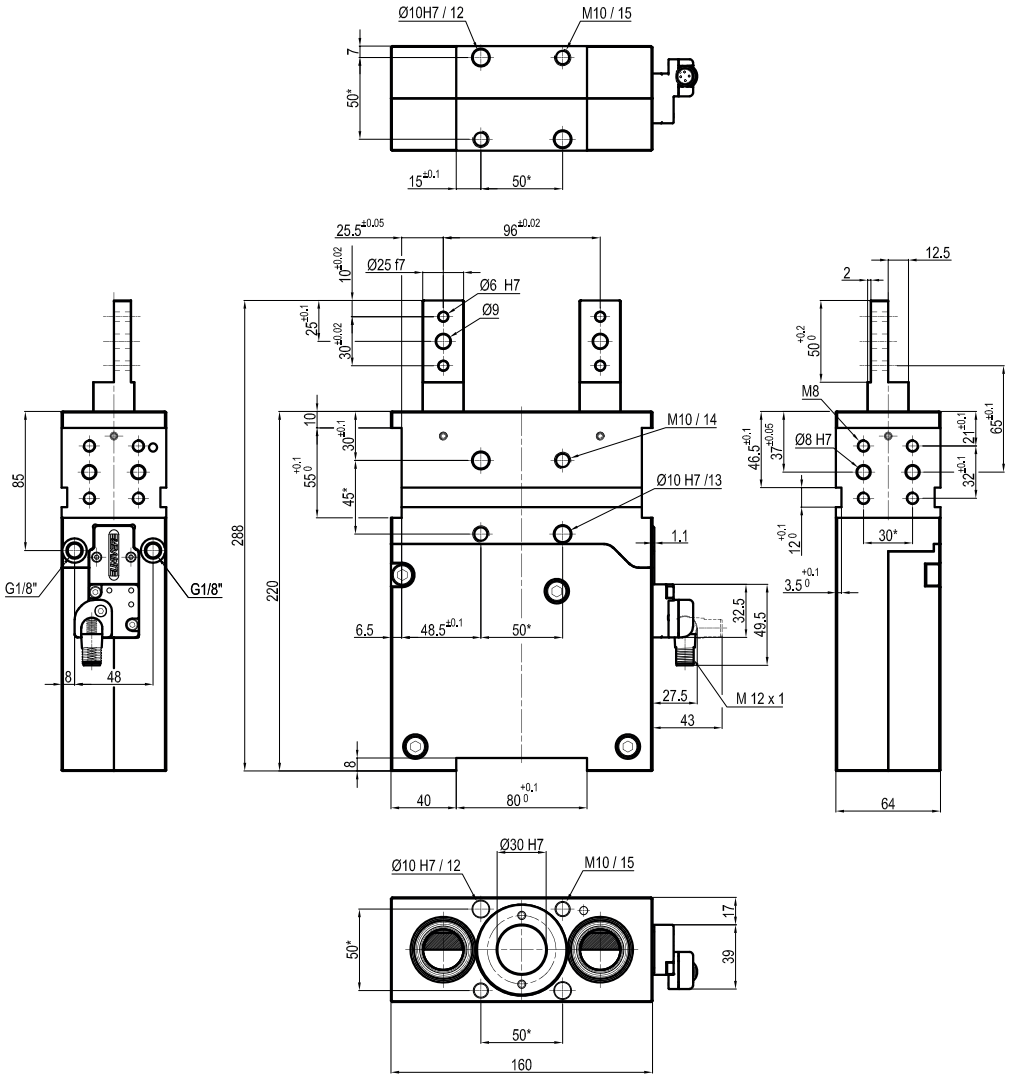


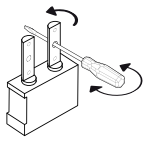
Electronic (optical)

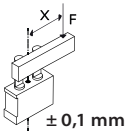
DF-K PNP M12
DF-J NPN M12
DF-Y PNP M12 White LED

G Rod for offset pins

Rod plane matching body middle axis

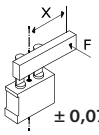






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Sensors



Electronic (optical)

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