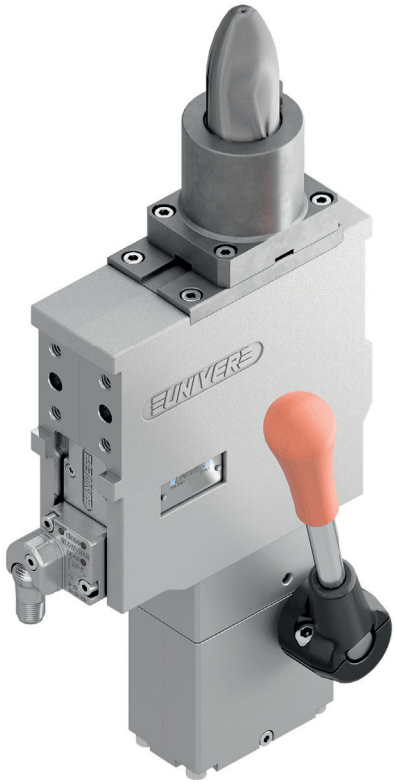
USL 50

Manual pin clamp, Ø50 mm



Manual pin clamp mainly designed for centering and clamping metal sheets in BIW underbody applications

- Integrated compensation up to 2,3 mm
- Double metal scraper for protection against dust and welding debris
- Toggle-joint mechanism
- High wear resistance steel pin
- Electronic sensor
- Hook position: 0/180°
- Ergonomic hand lever
- Available version with plate machined from solid (no shimming)

CHARACTERISTICS

Operating temperature	**5° ÷ 45° C**
Min./Max. Operating pressure	**0,4 / 0,6 MPa**
Bore Ø	**50 mm**
Clamping force	**3500 N**
Weight (without plate, pin and hook)	**3,6 kg**
Sensor	**electronic (optical)**
Supply voltage	**10 ÷ 30 Vdc**
IP code	**IP 65**

IRREVERSIBLE

LIGHTWEIGHT

COMPENSATION

METAL SCRAPER

OPTICAL SENSOR

HIGH REPEATABILITY

CODIFICATION KEY

US	L	50	J	3	1	-	K	0		
1	2	3	4	5	6	7	8	9	10	

1 SERIES
US = UNICLAMP Pin clamp with compensation

2 VERSION
L = Manual with hand lever

3 SIZE
50 = Ø50 mm

4 MODEL
J = Standard

5 PIN DIAMETER
1< = Ø18 mm
2 = Ø20 mm
3 = Ø25 mm
4 = Ø30 mm
5 = Ø35 mm
6 = Ø40 mm
For pin Ø outside the mentioned range, please contact our sales department

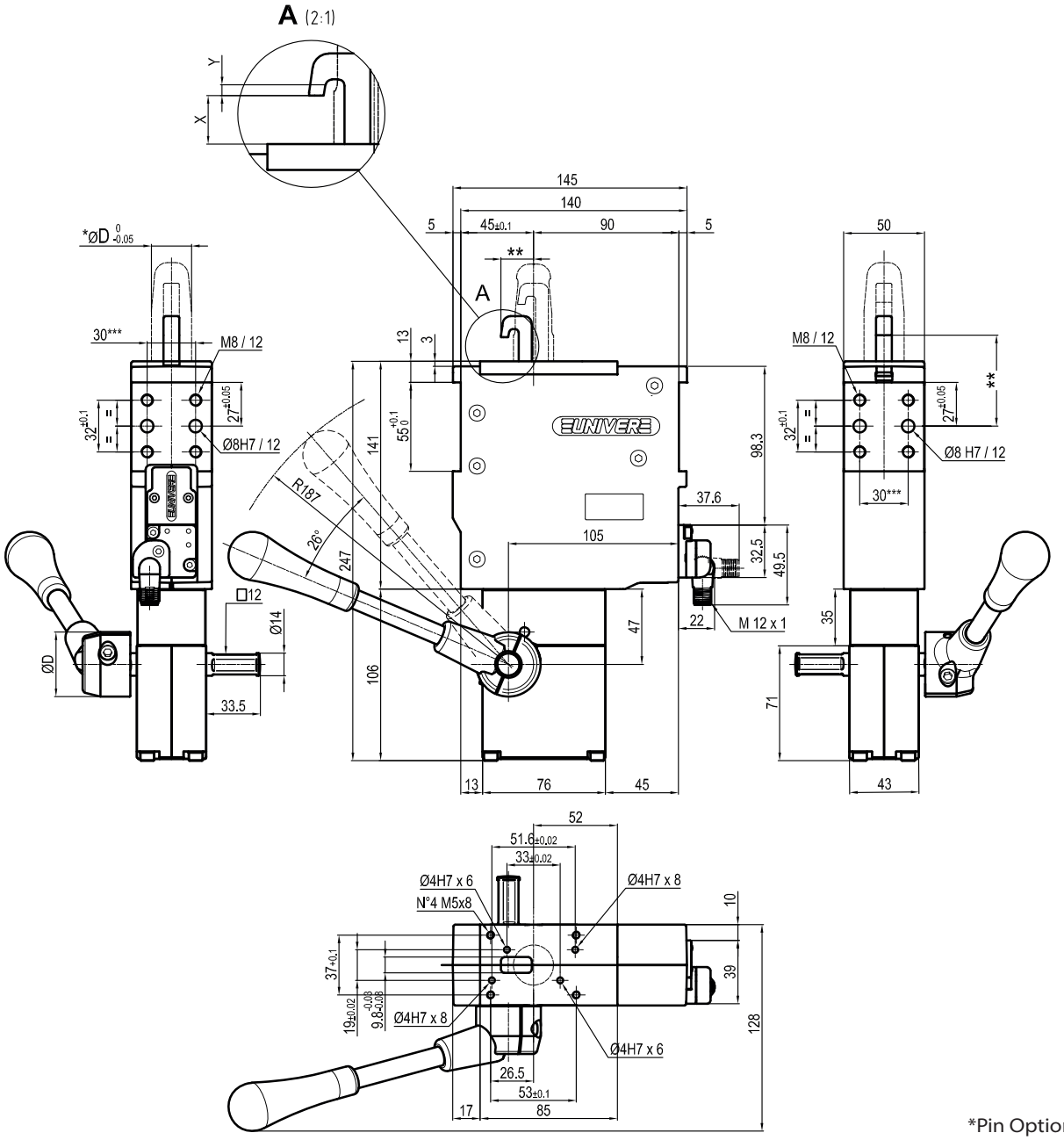
6 LOCATING PIN
0 = Locating pin not included
1 = Locating pin included

7 PROGRESSIVE NUMBERING
Progressive numbers for special products are assigned by the Sales Department

8 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

9 PRODUCT REVISION
Assigned by UNIVER

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



*Pin Option	ØD
1	18
2	20
3	25
4	30
5	35
6	40

X = *Metal sheet*
Y = *Clamping range (X + 2,3 mm Max.)*
VERSION WITHOUT PIN AND HOOK AVAILABLE UPON REQUEST
*** MISSING DIMENSION TO BE DEFINED ACCORDING TO CUSTOMER SPECIFICATIONS*
**** TOLERANCE BETWEEN DOWEL HOLES ± 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