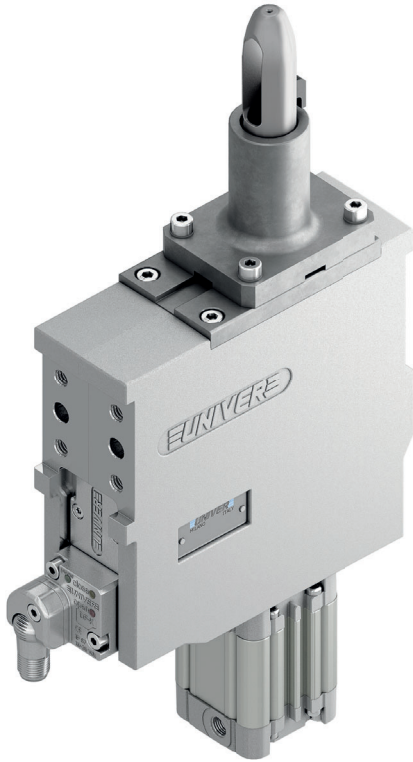


USP 32

Pneumatic pin clamp Ø32 mm

Pneumatic pin clamps mainly designed for centring and clamping metal sheets in BIW underbody applications.

- Integrated compensation up to 1,2 mm
- Double metal scraper for protection against dust and welding debris
- Toggle-joint mechanism
- High repeatability
- High wear resistance steel pin
- Electronic sensor
- Available version with plate machined from solid (no shimming)



6

CHARACTERISTICS

Operating temperature	5° ÷ 45° C
Min./Max. Operating pressure	0,4 / 0,6 MPa
Bore Ø	32 mm
Clamping force	1500 N
Weight (without plate, pin and hook)	2,6 kg
Pneumatic supply ports	G1/8
Sensor	electronic (optical)
Supply voltage	10 ÷ 30 Vdc
IP code	IP 65

CODIFICATION KEY

US | P | 32 | J | 3 | 1 | - | K | 0 | | |

1 2 3 4 5 6 7 8 9 10



IRREVERSIBLE



LIGHTWEIGHT



COMPENSATION



METAL SCRAPER



OPTICAL SENSOR



HIGH REPEATABILITY

1

SERIES
US = UNICLAMP Pin clamp with compensation

2

VERSION
P = Pneumatic

3

SIZE
32 = Ø32 mm

4

MODEL
J = Standard
R = With mechanical locking/unlocking device

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

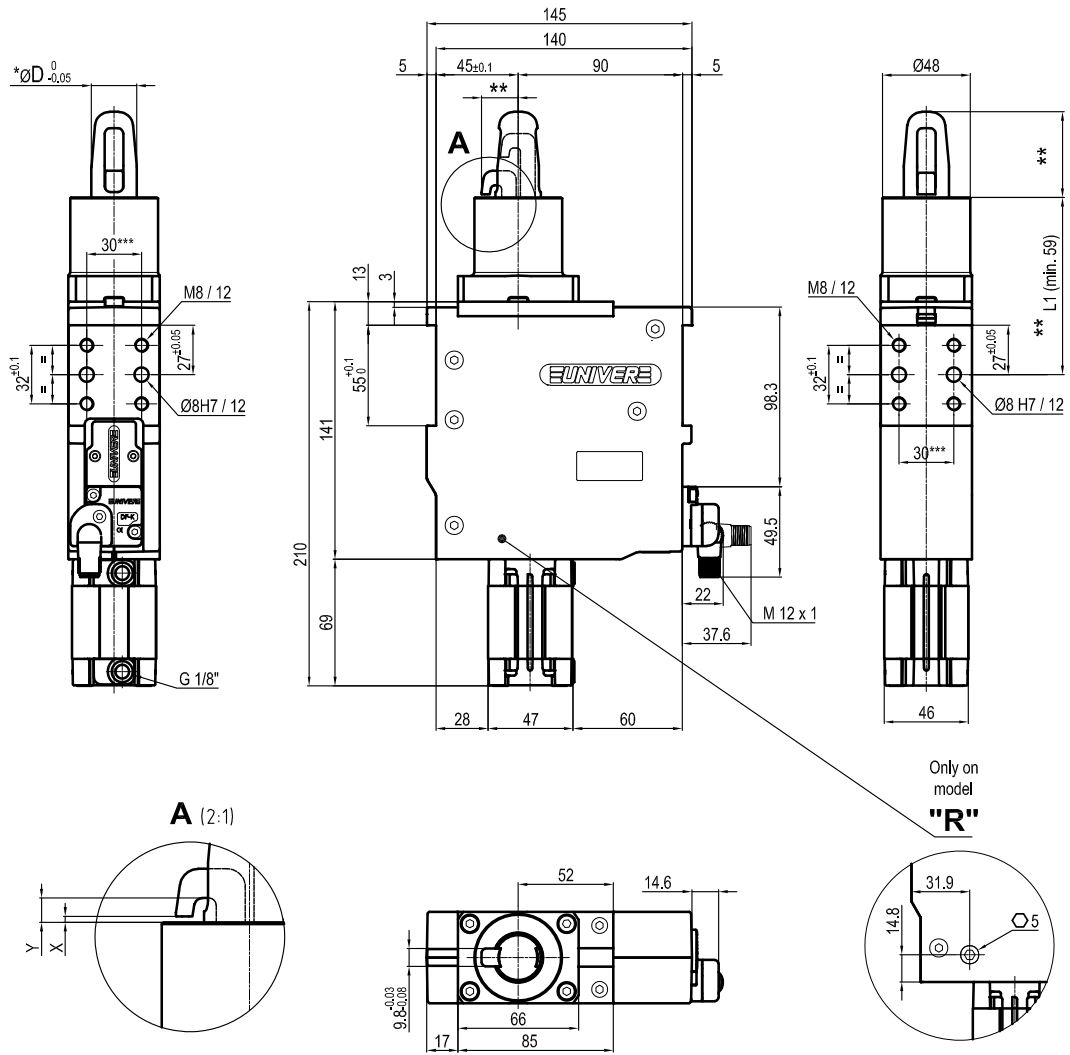
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PRODUCT REVISION
Assigned by UNIVER

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

Version with plate machined from solid (no shimming)



6

X = Metal sheet
 Y = Clamping range (X + 1,2 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

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

Sensors



Electronic (optical)

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