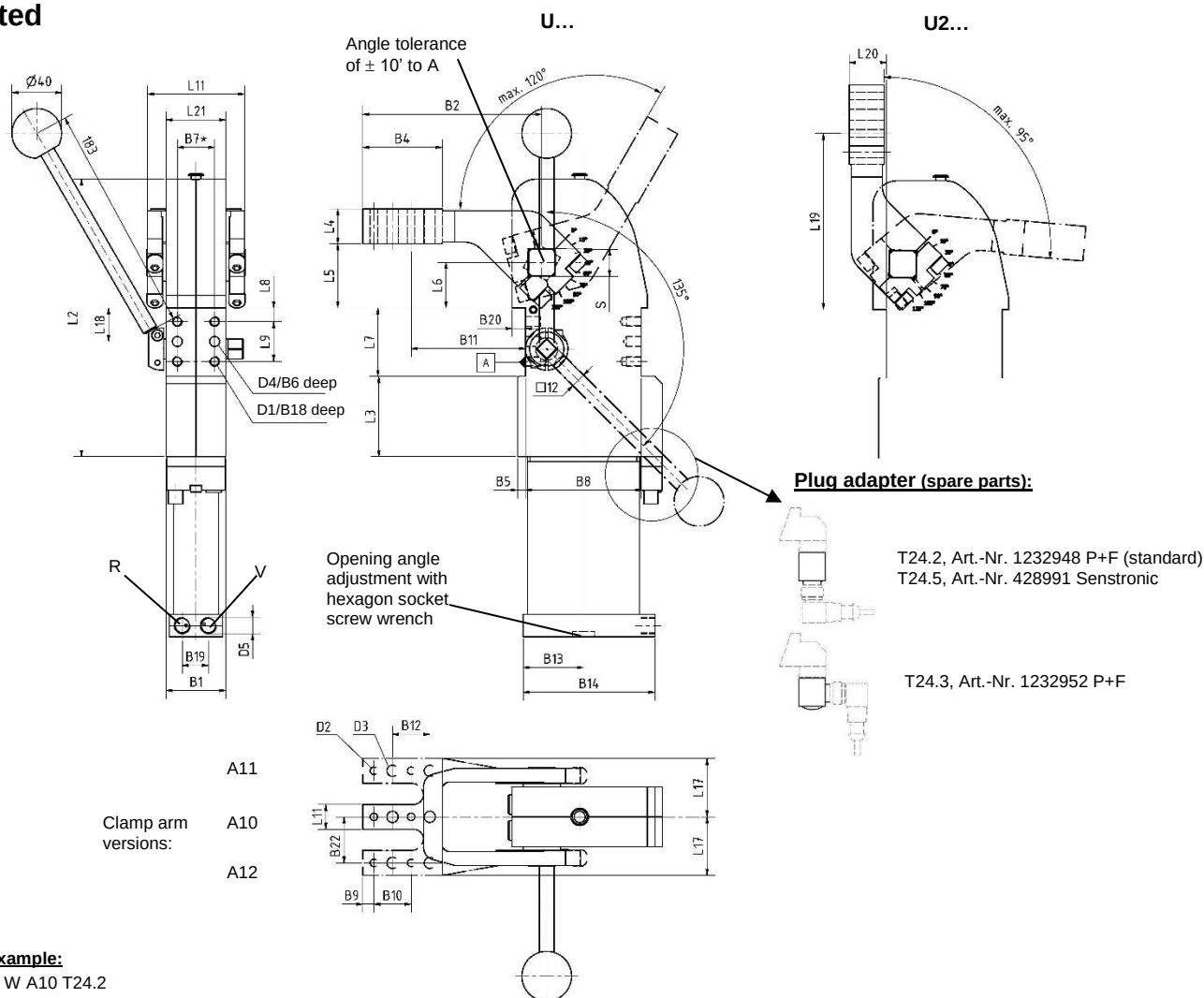


# Universal Clamp

Stepless adjustable opening angle, with hand lever,  
approx. 30% reduced air consumption at unchanged  
clamping force

**U/U2 50, 63 BR5 Z**  
**A10, 5° - 120°**

## Patented



### Ordering example:

U 63 BR5 Z W A10 T24.2

U 63 BR5: Type  
Z: With hand lever  
W: Option: coating resistant to welding beads  
A10: Clamp arm version  
T24.2: Sensing system (standard)

### Ordering example Tünkens sensing systems, two-piece:

...T24.1 Without plug adapter  
...T24.2/5 With straight plug adapter (standard)  
...T24.3 With plug adapter 90° angle

Plug adapter for inductive sensor 24 V,  
with integrated LED's, sensor plug M12x1

### Ordering code Tünkens sensing system, one-piece, optional:

... T12 Inductive sensor, one-piece

### Opening angles:

Stepless adjustable  
in the range of 5° to 120°

Manual force max.: 200 N  
Max. hand lever torque  
at 200 mm hand lever length: 40 Nm

### Options (see separate data sheets):

RB: Detent in the cylinder bottom  
W: Coating resistant to welding beads

### Attention:

External throttle check valves must be  
provided on assembly. They are not included  
in the scope of delivery!

A 5/3 way valve is required, central position de-aerated.

The hand lever and adapter are supplied  
unmounted and can be assembled either left or  
right. The welding of the hand lever in any position  
is carried out by the customer.

\* Tolerance for dowel holes ± 0.02, for threaded  
holes ± 0.1.

Medium: Air, max.6 bar, operation permitted with  
oil-free air.

| Type    | Holding torque max. | Clamping moment at 5 bar | Weight ~ (kg) | B1 | B2  | B4 | B5  | B6 | B7* | B8 ±0.1 | B9 | B10 ±0.02 |
|---------|---------------------|--------------------------|---------------|----|-----|----|-----|----|-----|---------|----|-----------|
| U/U2 50 | 800 Nm              | 160 Nm                   | 5.0           | 48 | 144 | 65 | 6,5 | 12 | 30  | 97      | 9  | 30        |
| U/U2 63 | 1500 Nm             | 360 Nm                   | 6.2           | 48 | 144 | 65 | 6,5 | 12 | 30  | 93      | 9  | 30        |

| Type    | B11 ±0.1 | B12 ±0.2 | B13  | B14 | B18 | B19 | B20  | B22 ±0.1 | D1 | D2 H7 | D3 | D4 H7 | D5    | L1  | L2  | L3   |
|---------|----------|----------|------|-----|-----|-----|------|----------|----|-------|----|-------|-------|-----|-----|------|
| U/U2 50 | 92       | 30       | 38   | 86  | 12  | 16  | 14.5 | 34       | M8 | 6     | 9  | 8     | G 1/8 | 323 | 210 | 60.5 |
| U/U2 63 | 92       | 30       | 48.5 | 106 | 12  | 21  | 11   | 37       | M8 | 6     | 9  | 8     | G 1/4 | 368 | 223 | 64.5 |

| Type    | L4 ±0.1 | L5 ±0.2 | L6 ±0.05 | L7 +0.1 | L8 ±0.1 | L9 ±0.1 | L10 | L11 | L17 | L18 ±0.05 | L19   | L20 ±0.2 | L21 | S h9 |
|---------|---------|---------|----------|---------|---------|---------|-----|-----|-----|-----------|-------|----------|-----|------|
| U/U2 50 | 28      | 51.5    | 36.5     | 55      | 11      | 32      | 20  | 68  | 44  | 27        | 141.5 | 30       | 45  | 19   |
| U/U2 63 | 28      | 51.5    | 36.5     | 55      | 11      | 32      | 20  | 78  | 47  | 27        | 141.5 | 30       | 48  | 22   |