

Clamps for hinged joints

Technopolymer

CLAMP

Glass-fibre reinforced polyamide based (PA) technopolymer, RAL 9005 (C9) black colour or grey RAL 7040 (C33) colour, matte finish.

SCREWS AND NUTS

Cylindrical-head screw with hexagon socket in AISI 304 stainless steel with anti-seizure treatment.

Self-locking nuts in AISI 304 stainless steel.

Supplied: two screws and two nuts for versions TCC-AP-E and TCC-AP-S, one screw and one nut for version TCC-AP-I

STANDARD EXECUTIONS

- **TCC-AP-E:** external teeth.
- **TCC-AP-I:** internal teeth.
- **TCC-AP-S:** without teeth.

FEATURES

Two clamps, one with external teeth and one with internal teeth or two without teeth, can be joined to create a hinged joint.

Joints comprising clamps with external/internal teeth (36 teeth) have a 10° adjustment angle.

Joints comprising clamps without teeth can be positioned at any angle.

Clamps for tubes with a diameter of 30 ± 0.2 mm.

For smaller diameter tubes, the hole reduction sleeve can be used TCC-A (to be ordered separately).

The "s" grub screws may be replaced by the kit TCC-KS.

TECHNICAL DATA

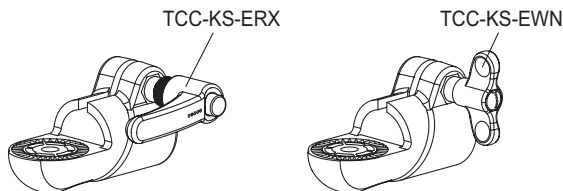
The resistance values shown in the table were measured during laboratory tests at ambient temperature with the screws tightened to the suggested torque "C#".

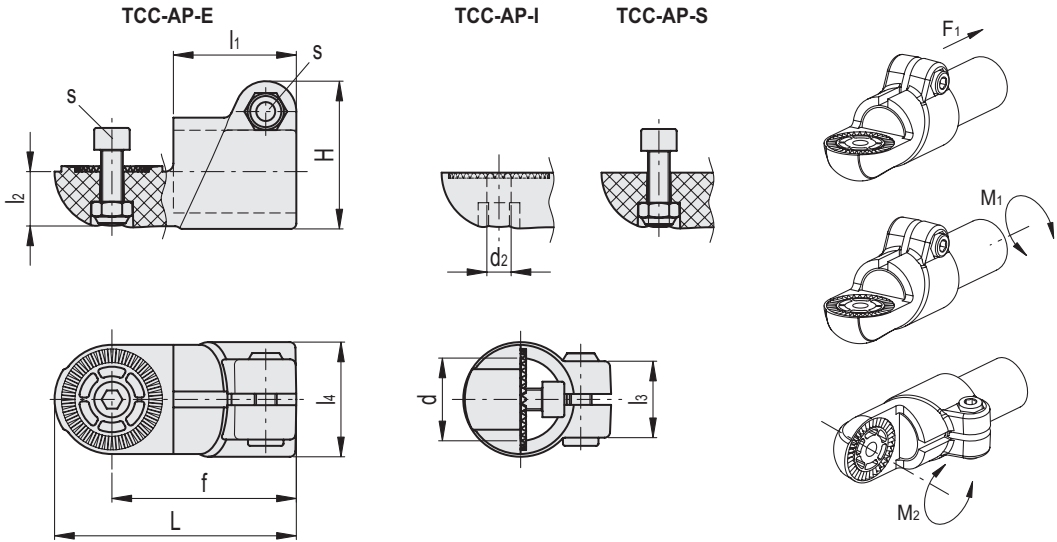
ACCESSORIES ON REQUEST (TO BE ORDERED SEPARATELY)

- TCC-A: reduction sleeves.
- TCC-KS: clamping kit.
- GN 197: monitor mounts.
- TCC-KV: screws and clamping nuts.
- GN 990: connecting tubes.



ELESA Original design





TCC-AP-E

STAINLESS STEEL

| Code | Description | d | L | H | d2 | f | l1 | l2 | l3 | l4 | s | C# [Nm] | F1* [N] | M1** [Nm] | M2*** [Nm] | ⚖️ |
|------------|-----------------|----|----|----|-----|----|----|----|----|----|----|------------|------------|--------------|---------------|----|
| 600401-C9 | TCC-AP-30-E-C9 | 30 | 88 | 54 | 8.5 | 67 | 45 | 20 | 28 | 42 | M8 | 12 | 3300 | 33 | 140 | 80 |
| 600401-C33 | TCC-AP-30-E-C33 | 30 | 88 | 54 | 8.5 | 67 | 45 | 20 | 28 | 42 | M8 | 12 | 3300 | 33 | 140 | 80 |

TCC-AP-I

STAINLESS STEEL

| Code | Description | d | L | H | d2 | f | l1 | l2 | l3 | l4 | s | C# [Nm] | F1* [N] | M1** [Nm] | M2*** [Nm] | ⚖️ |
|------------|-----------------|----|----|----|-----|----|----|----|----|----|----|------------|------------|--------------|---------------|----|
| 600403-C9 | TCC-AP-30-I-C9 | 30 | 88 | 54 | 8.5 | 67 | 45 | 20 | 28 | 42 | M8 | 12 | 3300 | 33 | 140 | 79 |
| 600403-C33 | TCC-AP-30-I-C33 | 30 | 88 | 54 | 8.5 | 67 | 45 | 20 | 28 | 42 | M8 | 12 | 3300 | 33 | 140 | 79 |

TCC-AP-S

STAINLESS STEEL

| Code | Description | d | L | H | d2 | f | l1 | l2 | l3 | l4 | s | C# [Nm] | F1* [N] | M1** [Nm] | M2*** [Nm] | ⚖️ |
|------------|-----------------|----|----|----|-----|----|----|----|----|----|----|------------|------------|--------------|---------------|----|
| 600405-C9 | TCC-AP-30-S-C9 | 30 | 88 | 54 | 8.5 | 67 | 45 | 20 | 28 | 42 | M8 | 12 | 3300 | 33 | 6 | 79 |
| 600405-C33 | TCC-AP-30-S-C33 | 30 | 88 | 54 | 8.5 | 67 | 45 | 20 | 28 | 42 | M8 | 12 | 3300 | 33 | 6 | 79 |

Suggested torque for screw assembly.

* Resistance to tube pull out

** Resistance to tube rotation

*** Resistance to joint rotation.