

## 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  $30 \pm 0.2$  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

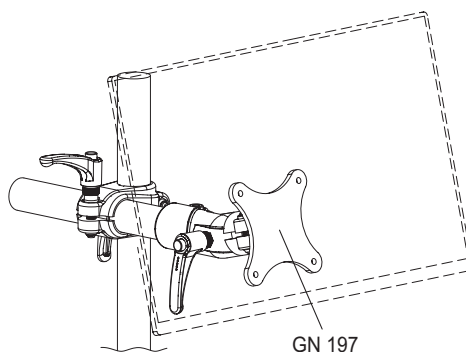
The resistance values shown in the table were measured during laboratory tests at ambient temperature with the screws tightened to the maximum torque "C#".

#### ACCESSORIES ON REQUEST (TO BE ORDERED SEPARATELY)

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

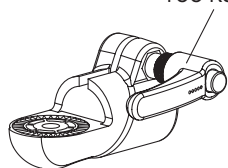


ELESA Original design

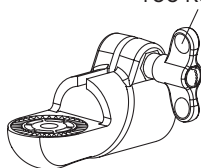


GN 197

TCC-KS-ERX

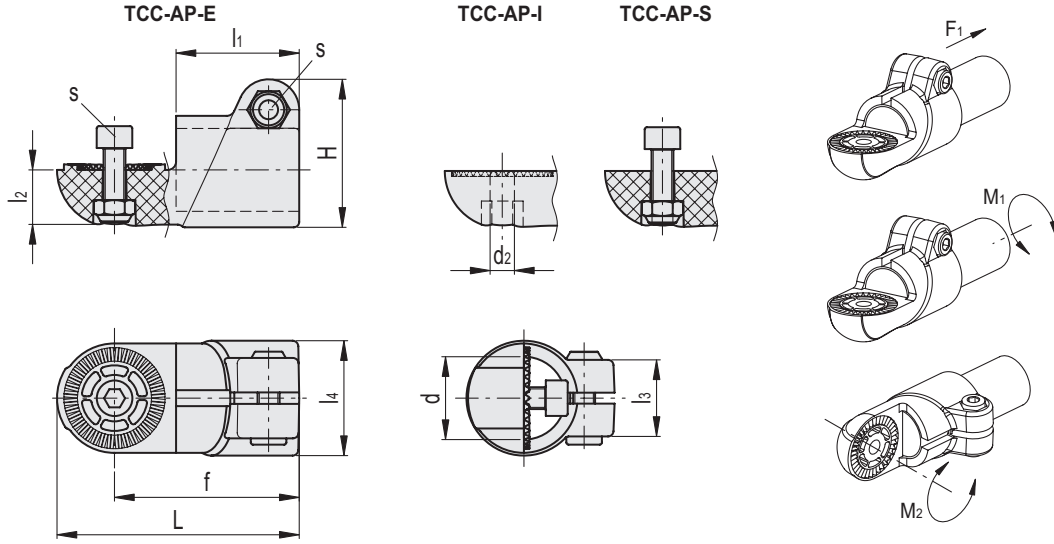


TCC-KS-EWN





Tube connectors 16



C9 RAL9005
  C33 RAL7040

TCC-AP-E

STAINLESS STEEL

Code	Description	d	L	H	d <sub>2</sub>	f	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	s	C#	F1*	M1**	M2***	⚖️
												[Nm]	[N]	[Nm]	[Nm]	
600301-C9	TCC-AP-18-E-C9	18	59	36	6.5	45	29.5	13	21	29	M6	5	900	8	44	37
600301-C33	TCC-AP-18-E-C33	18	59	36	6.5	45	29.5	13	21	29	M6	5	900	8	44	37
600401-C9	TCC-AP-30-E-C9	30	88	54	8.5	67.5	45	20	28	42	M8	12	3300	33	140	98
600401-C33	TCC-AP-30-E-C33	30	88	54	8.5	67.5	45	20	28	42	M8	12	3300	33	140	98

TCC-AP-I

STAINLESS STEEL

Code	Description	d	L	H	d <sub>2</sub>	f	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	s	C#	F1*	M1**	M2***	⚖️
												[Nm]	[N]	[Nm]	[Nm]	
600303-C9	TCC-AP-18-I-C9	18	59	36	6.5	45	29.5	13	21	29	M6	5	900	8	44	37
600303-C33	TCC-AP-18-I-C33	18	59	36	6.5	45	29.5	13	21	29	M6	5	900	8	44	37
600403-C9	TCC-AP-30-I-C9	30	88	54	8.5	67.5	45	20	28	42	M8	12	3300	33	140	98
600403-C33	TCC-AP-30-I-C33	30	88	54	8.5	67.5	45	20	28	42	M8	12	3300	33	140	98

TCC-AP-S

STAINLESS STEEL

Code	Description	d	L	H	d <sub>2</sub>	f	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	s	C#	F1*	M1**	M2***	⚖️
												[Nm]	[N]	[Nm]	[Nm]	
600305-C9	TCC-AP-18-S-C9	18	59	36	6.5	45	29.5	13	21	29	M6	5	900	8	2	37
600305-C33	TCC-AP-18-S-C33	18	59	36	6.5	45	29.5	13	21	29	M6	5	900	8	2	37
600405-C9	TCC-AP-30-S-C9	30	88	54	8.5	67.5	45	20	28	42	M8	12	3300	33	6	98
600405-C33	TCC-AP-30-S-C33	30	88	54	8.5	67.5	45	20	28	42	M8	12	3300	33	6	98

# Suggested torque for screw assembly.

\* Resistance to tube pull out

\*\* Resistance to tube rotation

\*\*\* Resistance to joint rotation.