

ENDOTRACHEAL TUBE INFORMATION

Laser-Shield II (Medtronic) – For CO₂ (10,600 nm) and KTP (532 nm)

Size (FR)	ID mm	OD mm	Reference No.	Item No. (VUMC)
24	5	8	7060200	4146
27	6	9	7060300	8093
31	7	10.5	7060400	8094

WARNING:

- Do not use with Nd:YAG laser or argon laser, or ANY TYPE other than CO₂ or KTP.
- Do not use nitrous oxide for dilution of oxygen
- Do not over-inflate the cuff. Over inflation may result in tracheal damage

Recommendation: Use 30% oxygen / 70% helium, or 30% oxygen / 70% room air

Laser Tube (Rusch) – with LATEX

ID mm	OD mm	Balloon OD mm	Reference No.	Item No. (VUMC)
8	13.5 (nominal) – 13.7	27	102004	29323

WARNING:

- Ensure that the surface of the Laser-Guard foil always remains moist during surgery.
- Please frequently check during the operation whether the surface of the Laser-Guard foil is still sufficiently moist. If necessary moist it again.
- Check the tube at short intervals for any damages while it is being used.
- Increased caution must be exercised when using oxygen and laser.

Laser Resistance of the Tracheal Tube

Laser System	Power (W)	Laser Energy Duration
Nd:YAG	100	5 sec
CO ₂ , CW	40	120 sec
Ar	25	120
CO ₂ , SP	15	120
Nd:YAG, 2f	5	120

Laser Flex (Mallinckrodt) – Proven on CO₂ and KTP

Size (FR)	ID mm	OD mm	Reference No.	Item No. (VUMC)
	4.5	7	86397	19656

INDICATION:

- Laser surgery of the larynx and other areas in close proximity to the tracheal tube using CO₂ or KTP laser beam.

DESCRIPTION:

- Stainless steel body is airtight
- Proven resistant to CO₂ and KTP lasers.
- Reflected laser beams are defocused, reducing damage to surrounding healthy tissue

Dilute oxygen or other flammable gases with helium, nitrogen or room air as needed. Dilute oxygen to the minimal inspired concentration compatible with satisfactory oxygen saturation.

NOTE: Information purposes only. Not intended for product endorsement.

