

Risk Assessment – Lanyard Systems for DJI Controllers

Product Group: Lanyard Systems
Manufacturer: Euryca AS / Thor’s Drone World
Date: 03/07/2025
Place: Malvik, Norway

1. Introduction

This document provides a risk assessment for wearable lanyard systems manufactured by Euryca AS for DJI drone controllers.

These systems include the StrapThor ACE lanyard and various CNC-machined aluminum brackets to enable ergonomic and secure controller mounting.

COMBO versions may also include the LifThor Truls 90mm standoff extension for better controller clearance.

2. Products Covered

- StrapThor ACE (TKSTA)
- LifThor Claw (TKLFCII / TKLFCPII / TKLFCPII/ TKLFCPIV)
- LifThor Claw COMBO (TKLFCIIK / TKLFCPIIK / TKLFCPIIK / TKLFCPIVK)
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3. Risk Identification and Evaluation

Risk Area	Description of Risk	Severity (Low/Med/High)	Mitigation Measures
Neck/Body Contact	Lanyard may cause irritation or allergic reaction during wear	Low	StrapThor ACE tested for REACH and RoHS compliance; soft neoprene and PU materials used
Bracket Fit/Attachment	Improper bracket fit could lead to insecure controller hold	Low	Aluminum parts CNC-machined for precise fit; tested on all compatible controllers

Standoff Stability	Optional LifThor Truls could loosen if not properly secured	Low	Truls uses M4 screws and included tool tightening for stable mount
Pinch Points	Risk of finger pinch during installation of bracket	Low	Simple mechanical design; clear instruction to avoid fast movement during install
Sharp Edges	Cutting hazard from aluminum bracket edges	Low	Edges deburred and polished during QC process under ISO 9001
Coating Safety	Exposure to unsafe surface treatment	Low	SGS-tested halogen-free and non-toxic finishes used on all brackets

4. Residual Risk and Conclusion

Following implementation of the above mitigation strategies, all identified risks have been reduced to acceptable levels for the intended use of these products.

The systems are safe for adult wear and ergonomic use in flight operations.

Signed by:

Tore Kvittem

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