

TM 55-1680-358-12: A Comprehensive Guide to the US Army's Helicopter Cargo Handling System

Technical Manual TM 55-1680-358-12, published by the United States Army, is an essential resource for personnel involved in helicopter cargo handling operations. This comprehensive manual provides detailed guidance on the procedures and techniques used to safely and efficiently transport cargo using helicopters.



US Army, Technical Manual, TM 55-1680-358-12&P, HELICOPTER CARGO HANDLING SYST ARMY MODEL CH47 PART NUMBER: 18049 J 100, NSN 1680-01-197-1689, 1987 by Elena Bellmar

★★★★☆ 4.5 out of 5

Language : English
File size : 13969 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 263 pages
Lending : Enabled



Scope and Purpose

TM 55-1680-358-12 covers a wide range of topics related to helicopter cargo handling, including:

- Types of cargo slings and their uses
- Methods for attaching and releasing cargo from helicopters
- Procedures for loading and unloading cargo from helicopters
- Techniques for hovering and maneuvering helicopters with external loads
- Safety precautions and emergency procedures

Target Audience

TM 55-1680-358-12 is intended for use by the following personnel:

- Helicopter pilots
- Crew chiefs
- Loadmasters
- Ground crew members
- Anyone else involved in helicopter cargo handling operations

Organization

TM 55-1680-358-12 is divided into the following chapters:

- Chapter 1:
- Chapter 2: Cargo Slings
- Chapter 3: Attaching and Releasing Cargo
- Chapter 4: Loading and Unloading Cargo

- Chapter 5: Hovering and Maneuvering with External Loads
- Chapter 6: Safety Precautions and Emergency Procedures
- Appendix A: Glossary
- Appendix B: Index

Key Concepts

Some of the key concepts covered in TM 55-1680-358-12 include:

- **Center of gravity:** The point at which the weight of the cargo is evenly distributed.
- **External load:** A cargo load that is attached to the outside of a helicopter.
- **Ground crew:** The personnel on the ground who assist with the loading and unloading of cargo.
- **Loadmaster:** The person responsible for the safety and security of the cargo.
- **Payload:** The maximum weight that a helicopter can lift.
- **Sling:** A device used to attach cargo to a helicopter.

TM 55-1680-358-12 is an invaluable resource for anyone involved in helicopter cargo handling operations. By following the procedures and techniques outlined in this manual, personnel can ensure that cargo is transported safely and efficiently.

To obtain a copy of TM 55-1680-358-12, please consult the US Army's online technical manual library.



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