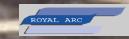
MICHIGAN SAFETY CONFERENCE & EXPO

Cargo Securement Rules



IS THIS LEGAL IN MICHIGAN





COMMERCIAL TRUCKERS





NORTH AMERICAN CARGO SECUREMENT DO ALL STATES HAVE THE SAME RULES?

NO, NOT EVEN CLOSE

WHAT IS THE COMMERCIAL REQUIREMENTS ON CARGO SECUREMENT?

LOAD MUST STAY ON TRUCK SECURED RIGHT UP UNTIL AN ACCIDENT



NORTH AMERICAN CARGO SECURMENT DO YOU USE ADEQUATE CARGO SECUREMENT?

Where do you find the rules, 49 CFR, PART 393 PARAGRAPH 102b

COMERCIAL SECURMENT RULES, are called out in several ways and types.

TENSION OR FRICTION, ROPE, CHAIN, STRAPS BUNGEE CORD, TARP TIE DOWN,

DIRECT OR INDIRECT CONECTION



CARGO SIZE AND WEIGHT RULE #1 SIZE

UNDER 5'-0 IN LENGTH & UNDER 1100 LBS

ONE SECUREMENT DEVICE

OVER 5'-0 OR MORE THAN 1100 LBS

TWO SECUREMENT DEVICES WITH ONE ADDITIONAL FOR EVERY 10'-0



NORTH AMERICAN CARGO SECUREMENT

NORTH AMERICAN CARGO SECUREMENT

CARGO SIZE AND WEIGHT RULE #2 WIEGHT

WEIGHT OF CARGO DETERMINES HOW MANY CARGO SECUREMENT ITEMS YOU USE

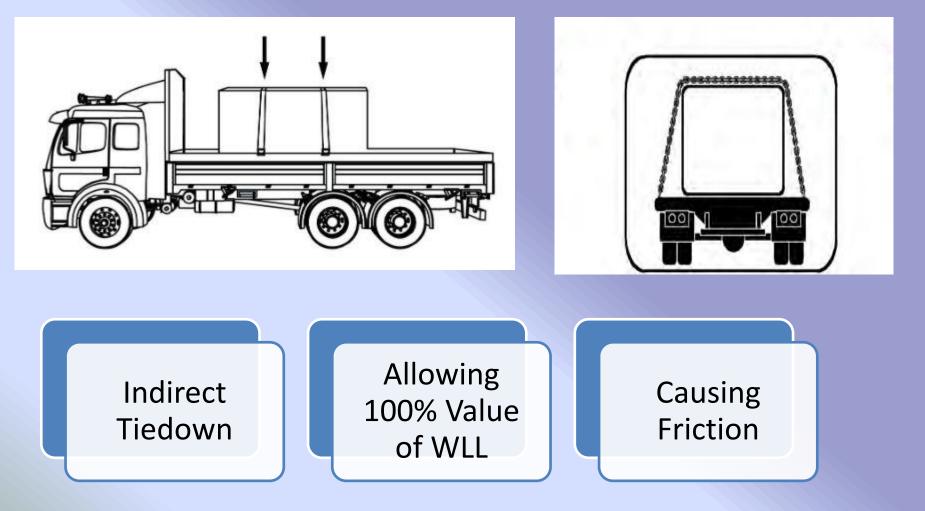
THE FORMULA IS 50% OF THE LOAD AGGREGATE

> EXAMPLE IF LOAD WEIGHT IS 50,000 LBS

CARGO SECUREMENT NEED TO HAVE 25,000 LBS OF VALUE

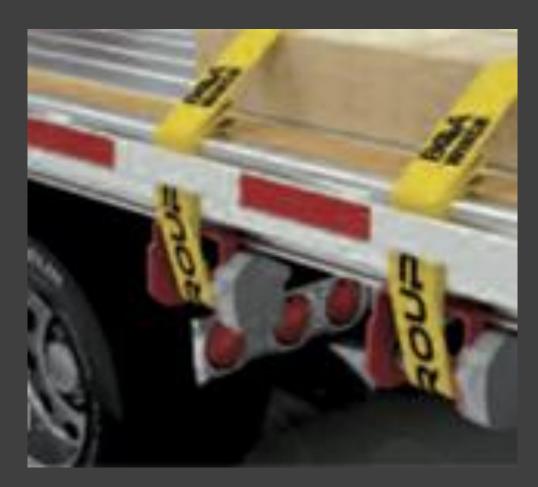


DEPTARTMENT OF TRANSPORTATON





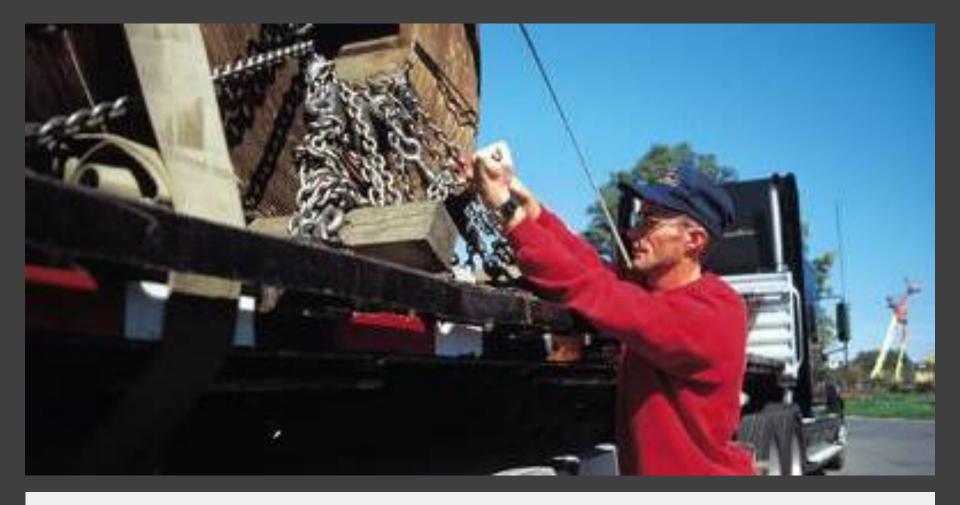
DEPTARTMENT OF TRANSPORTATON



LABELED CARGO POLYESTER STRAPS

- 1" = 500/800 LBS
- 2" = 3,335 LBS
- 4" = 5,400 LBS





NORTH AMERICAN CARGO SECURMENT

GRADE 70 CHAIN

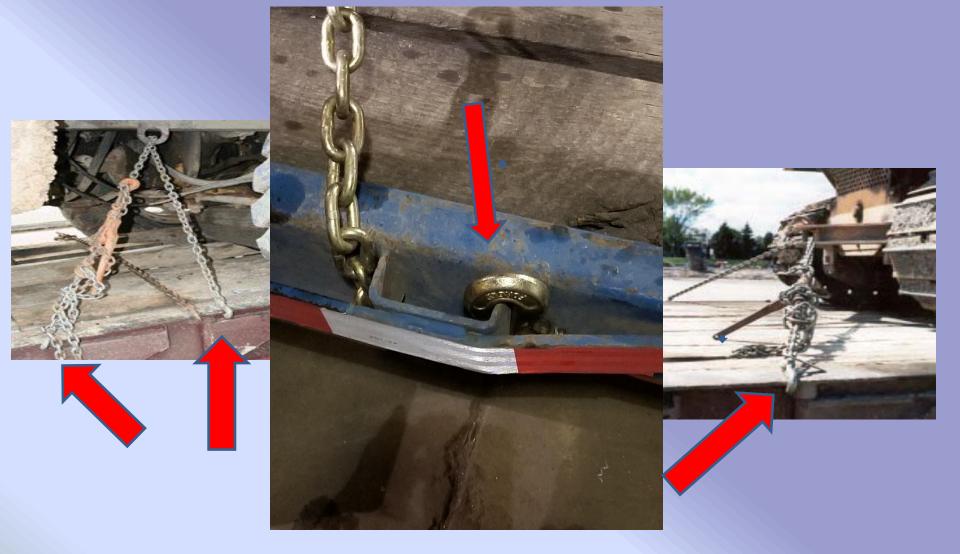
- 5/16" = 4,700 LBS
- 3/8" = 6,600 LBS
- 1/2" = 11,300 LBS

ROYAL ARC

DEPARTMENT OF STATE

HOW TO ATTACH TO TRAILER MAKE SURE YOU STAY INSIDE RUBRAIL BINDER = LEVER OR RACHET CHAINS ATTACH AROUND THE POCKET **BUNGEE CORDS**





Incorrect Connection to side Rail

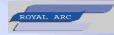








Correct Connection to Rail Pocket



DEPTARTMENT OF TRANSPORTATON



Direct Tension Connection 5,000 CHAIN REQUIRMENT IF OVER 10,000 LB TIE DOWN USED IN DIRECT TENSION REDUCES CAPICITY BY 50%



DEPARTMENT OF STATE

Lever Binder has a 25 to 1 Advantage

Rachet Binder has a 50 to 1 Advantage

The Rachet Binder was invented for smaller framed people to get the same tension on the load

Bungee cord the handle for secondary securement



DEPTARTMENT OF TRANSPORTATON







Covered Carriers Require Securement INTERIOR 2" STRAPS YELLOW 12' GREY 16' BLUE 20' RACHET CAPICITY 1466 OR CAM 800



NORTH AMERICAN CARGO SECURMENT

- WHAT DO I DO IF I BREAK DOWN ON THE ROAD?
- PULL OFF TO SAFELY TO THE RIGHT
- EMERGENCY FLASHERS GO
 ON
- PLACE WARNING DEVICES (10 MINUTES)
- FIRST ONE 10' BACK ON DRIVERS SIDE
- SECOND ONE 100' BACK IN THE MIDDLE
- LAST ONE 100' BACK ON PASSENGERS SIDE
- UNLESS YOUR AT A CURVE
- HOLD IN FRONT OF YOU SO
 PASSING CARS CAN SEE YOU





THANK YOU FOR ATTENDING

MORE
 INFORMATION IS
 AVAILABLE AT THE
 FEDERAL MOTOR
 CARRIER SAFETY
 ADMINISTRATION



I THINK I WOULD NOTICE





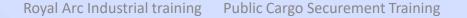
LOAD BLEW OFF NO ONE HURT





This Was all Caused by a jet ski that was not secured properly







COMMERCIAL TRUCKERS





DRIVER DID NOT MAKE IT

FILM CLIP BA



