THE WRECKMASTER

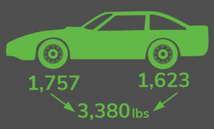
# RESIASTANCE BUNDLE STUDY MATERIALS

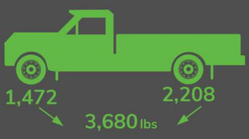
WRECKMASTER

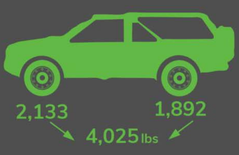
# TIP: VEHICLE CLASSIFICATIONS

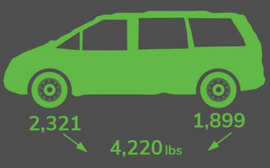
## LIGHT DUTY

### CLASS 1
6,000 lbs or less

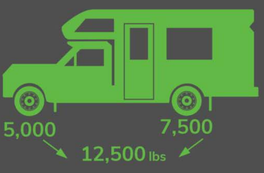



### CLASS 2
6,001 - 10,000 lbs

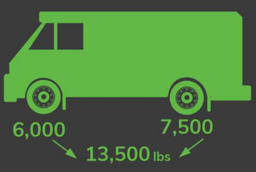



**4 TIRES**

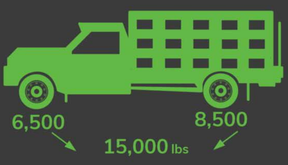
**RIMS**
14"
15"
16"
16.5"

## MEDIUM DUTY

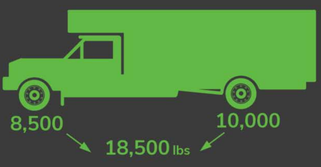
### CLASS 3
10,001 - 14,000 lbs



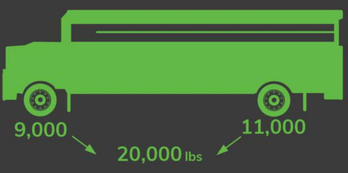

### CLASS 4
14,001 - 16,000 lbs




### CLASS 5
16,001 - 19,500 lbs




### CLASS 6
19,501 - 26,000 lbs

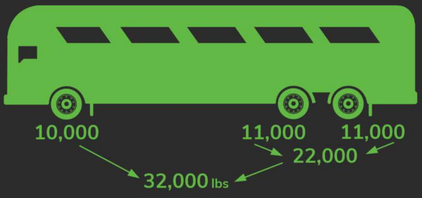


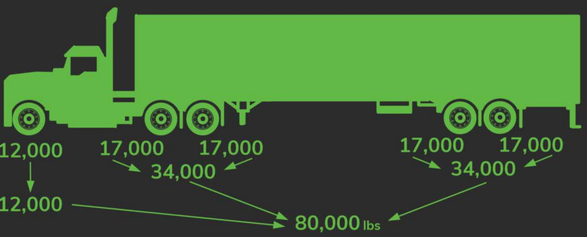

**6 TIRES**
(or more)

**RIMS**
19.5"

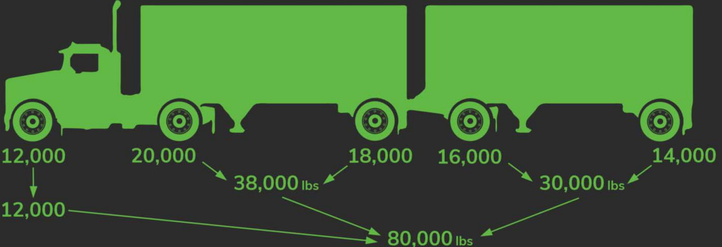
## HEAVY DUTY

### CLASS 7
26,001 - 33,000 lbs




### CLASS 8
33,000 lbs and over




**10 TIRES**
(or more)

**RIMS**
19.5"
20"
22"
22.5"
24.5"

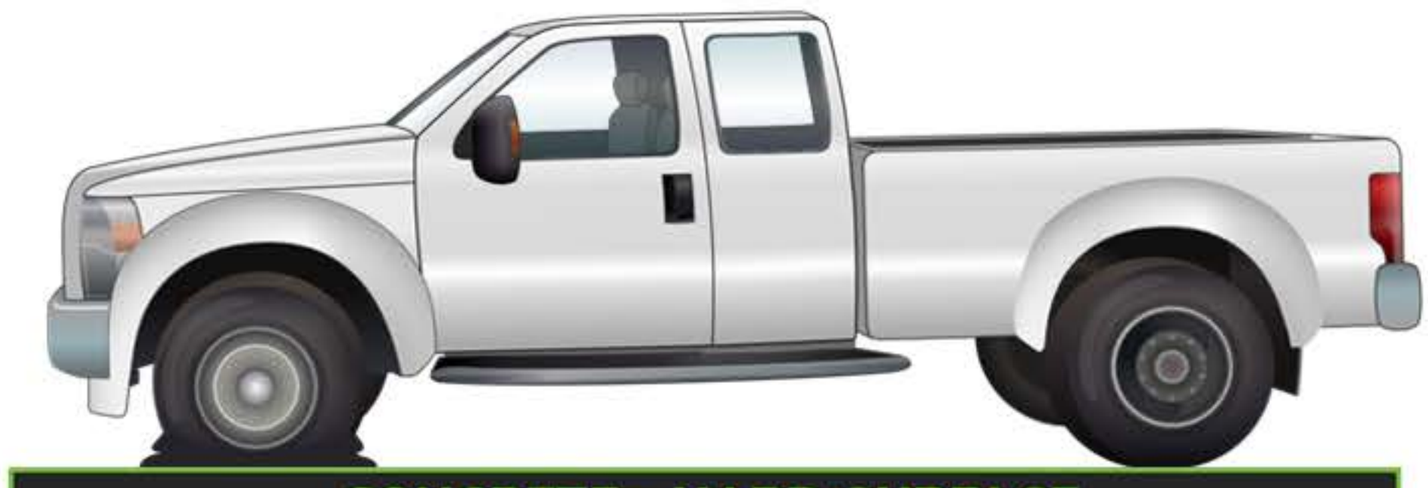
# WRECKMASTER'S
## CALCULATING DAMAGE RESISTANCE

### CASUALTY SPECIFICATIONS

STATIC WEIGHT: 4,900 lbs

FRONT AXLE: 2,980 lbs

REAR AXLE: 1,920 lbs



CONCRETE - HARD SURFACE

## FRONT AXLE

Weight of Vehicle _____ lbs

Type of resistance _____

Level of resistance _____

Resistance factor (rate) _____

Surface Resistance _____ lbs

## REAR AXLE

Weight of Vehicle _____ lbs

Type of resistance _____

Level of resistance _____

Resistance factor (rate) _____

Surface Resistance _____ lbs

Total Surface Resistance

_____ lbs

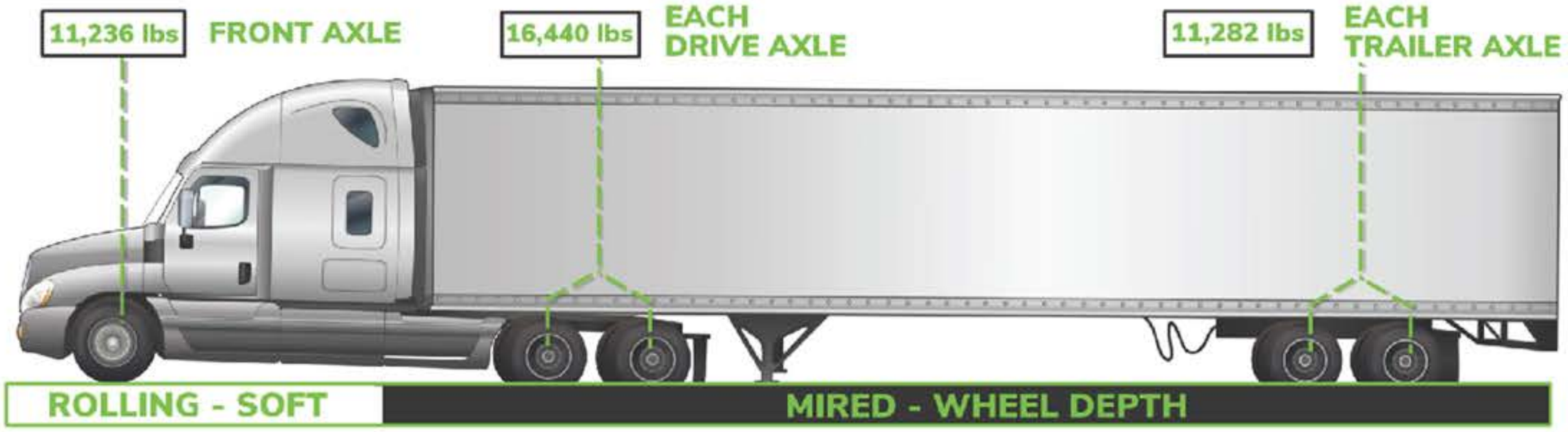
**TOTAL RESISTANCE TO BE MOVED**

## THINK YOU'VE GOT THE ANSWER?

**CHECK THE ANSWERS HERE:**

https://www1.wreckmaster.com/app/uploads/sites/3/2019/08/DAMAGE-RESISTANCE-PRINT-OUT-ANSWER.jpg

# WRECKMASTER'S
## CALCULATING MIRE RESISTANCE




Casualty Static Weight - **77,962 lbs**

| Weight of Vehicle _____ lbs | Weight of Vehicle _____ lbs | Weight of Vehicle _____ lbs |
|---|---|---|
| Type of resistance _____ | Type of resistance _____ | Type of resistance _____ |
| Level of resistance _____ | Level of resistance _____ | Level of resistance _____ |
| Resistance factor (rate) _____ | Resistance factor (rate) _____ | Resistance factor (rate) _____ |
| Surface Resistance _____ lbs | Surface Resistance _____ lbs | Surface Resistance _____ lbs |

**Total Surface Resistance**
_____ lbs

**TOTAL RESISTANCE TO BE MOVED**

**Winching Source Static Weight**
_____ lbs

**FOR ANCHOR-ABILITY**

## THINK YOU'VE GOT THE ANSWER?

**TAKE THE QUIZ FOR AN OFFICIAL SCORE**

# WRECKMASTER'S

## CALCULATING GRADIENT RESISTANCE

**CASUALTY SPECIFICATIONS**

STATIC WEIGHT: 4,100 lbs

FRONT AXLE: 2,200 lbs

DRIVEAXLE: 1,900 lbs


Weight of Vehicle _____

Type of Resistance _____

Level of Resistance _____

Resistance factor (rate)_____

Surface Resistance _____ lbs

**ADD (+)**

Degree of Grade:_____
Gradient Rate: _____
Times Casualty's Entire Static Weight of:
_____

Gradient Resistance_____ lbs

Total Resistance

_____ lbs

TOTAL RESISTANCE TO BE MOVED

Winching Source Static Weight

_____ lbs

FOR ANCHOR-ABILITY

## THINK YOU'VE GOT THE ANSWER?

**TAKE THE QUIZ FOR AN OFFICIAL SCORE**