# Rapport généré par treeDiM StackBuilder

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| **Document** | Case\_44\_28\_29 | | |
| **Description** | An attempt to fit the highest number of a 440x280x290 in a truck. | | |
| **Date** | 02/04/2014 | **Auteur** | fgasnier71@gmail.com |

## Analyse Caisse/Palette

### Caisse

|  |  |  |
| --- | --- | --- |
| **Nom** | Case 440x280x290 | |
| **Description** | Case with length=440, width=280 and height=290 + thickness 3 | |
| **Longueur (mm)** | 440.00 | K:\GitHub\StackBuilder\Samples\images\view_case_iso.png |
| **Largeur (mm)** | 280.00 |
| **Hauteur (mm)** | 290.00 |
| **Masse (kg)** | 3.50 |

### Palette

|  |  |  |
| --- | --- | --- |
| **Nom** | EUR2 | |
| **Description** | EUR2-EPAL (European Pallet Association) | |
| **Longueur (mm)** | 1200.00 | K:\GitHub\StackBuilder\Samples\images\view_pallet_iso.png |
| **Largeur (mm)** | 1000.00 |
| **Hauteur (mm)** | 144.00 |
| **Masse (kg)** | 0.00 |
| **Chargement admissible (kg)** | 0.00 |

### Jeu de contraintes

|  |  |
| --- | --- |
| **Débord Longueur/Largeur(mm)** | 0.00 / 0.00 |
| **Hauteur palette maximale (mm)** | 1300.00 | |
| **Orientations permises** | ZP | |
| **Couches alignées autorisé** | True | |
| **Couches alternées autorisé** | True | |

### Solution sélectionnée

|  |  |  |  |
| --- | --- | --- | --- |
| **Titre** | Diagonale-Z-inv-2 | | |
| **Nombre de caisses** | 27 | | |
| **Masse palette (kg)** | 127.50 | | |
| **Hauteur palette (mm)** | 1014.00 | | |
| **Efficacité (%)** | 69.54 | | |
| K:\GitHub\StackBuilder\Samples\images\view_palletsolution_front.png | K:\GitHub\StackBuilder\Samples\images\view_palletsolution_left.png | K:\GitHub\StackBuilder\Samples\images\view_palletsolution_right.png | K:\GitHub\StackBuilder\Samples\images\view_palletsolution_back.png |
| K:\GitHub\StackBuilder\Samples\images\view_palletsolution_iso.png | | | |

### Couche(s)

|  |  |  |
| --- | --- | --- |
| **Index** | **Nombre de caisses** | **Image** |
| 1 | 9 | K:\GitHub\StackBuilder\Samples\images\layerImage1.png |
| 2 | 9 | K:\GitHub\StackBuilder\Samples\images\layerImage2.png |

## Analyse camion

|  |  |  |
| --- | --- | --- |
| **Nom** | Semi-trailer | |
| **Description** | Standard tarped semi-trailer (Europe) | |
| **Longueur (mm)** | 13700.00 | K:\GitHub\StackBuilder\Samples\images\view_truck_iso.png |
| **Largeur (mm)** | 2480.00 |
| **Hauteur (mm)** | 2650.00 |
| **Chargement admissible (kg)** | 24000.00 |

### Solution sélectionnée

|  |  |  |  |
| --- | --- | --- | --- |
| **Nombre de palette** | 52 | **Nombre de caisses** | 1404 |
| **Masse chargement (kg):** | 6630.00 | | |
| **Efficacité massique (%)** | 27.63 | **Efficacité volumique (%)** | 55.71 |
| K:\GitHub\StackBuilder\Samples\images\view_trucksolution_top.png | | | |
| K:\GitHub\StackBuilder\Samples\images\view_trucksolution_iso.png | | | |