

Produktkatalog
Product catalogus
Catalogue des références
Productcatalogue

Multisystem & Tube-50



**EUROPE
RACKING**

WE'VE GOT SOMETHING IN STORE



Index


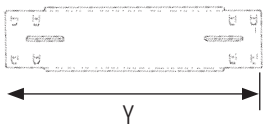

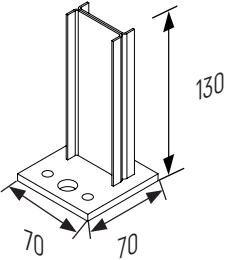
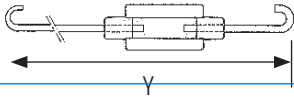
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1 Multisystem

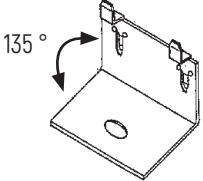
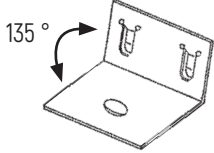
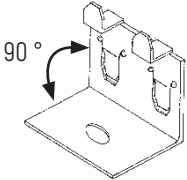

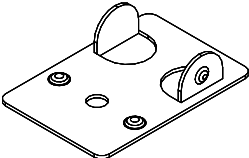
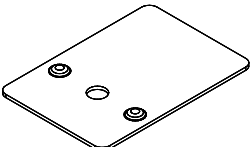
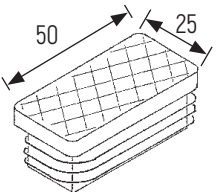


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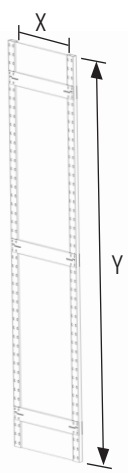
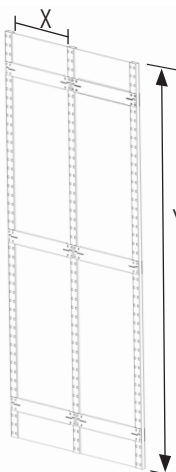
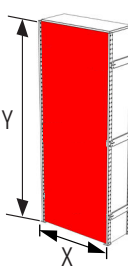
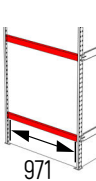
| Deutsch | Nederlands | Français | English |
|-----------------------------|---------------------------------------|---|-----------------------------------|
| Alle Abmessungen sind in mm | Alle maten zijn in mm | Toutes les dimensions sont en mm | All dimensions are in mm |
| Mehr Farben auf Anfrage | Andere kleuren op aanvraag leverbaar | Autres couleurs disponibles sur demande | Other colors available on request |
| Mehr Größen auf Anfrage | Andere formaten op aanvraag leverbaar | Autres dimensions disponibles sur demande | Other sizes available on request |

| | | | | Europe Racking Number |
|---|--|------------------|-------|--|
| | | VPE / U.E. / PU. | Y | RAL 5009 |
|  | D: Multiprofil 50 x 25 | 1 | 1.000 | 266-574 |
| | NL: Multi profiel 50 x 25 | 1 | 1.100 | 266-575 |
| | F: Montant Multi de 50 x 25 | 1 | 1.500 | 266-704 |
| | E: Multi profile 50 x 25 | 1 | 1.700 | 266-706 |
| | | 1 | 1.800 | 266-705 |
| | | 1 | 2.100 | 266-710 |
| | | 1 | 2.200 | 266-707 |
| | | 1 | 2.300 | 266-711 |
| | | 1 | 2.500 | 266-709 |
| | | 1 | 2.900 | 266-712 |
|  | D: Traverse außen | 1 | 300 | 266-713 |
| | NL: Start traverse | 1 | 400 | 266-714 |
| | F: Traverse départ externe | 1 | 500 | 266-719 |
| | E: Start traverse | 1 | 600 | 266-715 |
|  | D: Traverse innen | 1 | 300 | 266-716 |
| | NL: Volg traverse | 1 | 400 | 266-717 |
| | F: Traverse suivante interne | 1 | 500 | 266-720 |
| | E: Inside traverse | 1 | 600 | 266-718 |
|  | D: Fußplatte gesteckt | 1 | | 266-099 |
| | NL: HD voetplaat | | | |
| | F: Pieds métallique pour charge lourde | | | |
| | E: Heavy duty foot plate | | | |
| | | | | |
| | | | | Verzinkt / Galvanisé / Galvanized |
|  | D: Kreuzverbinder | | | |
| | NL: Schoor | 1 | 1.110 | 268-727 |
| | F: Tendeur croix | 1 | 1.260 | 268-728 |
| | E: Strut | 1 | 2.110 | 268-729 |

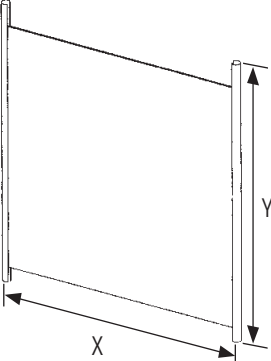
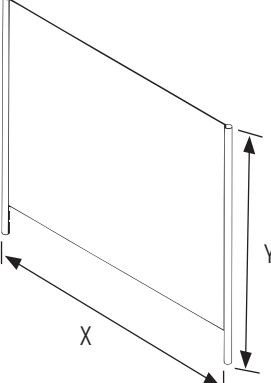
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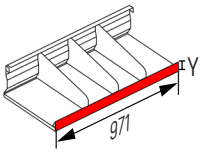
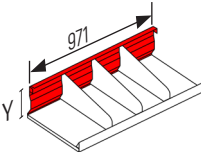
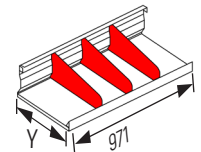
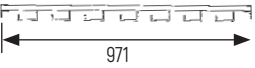
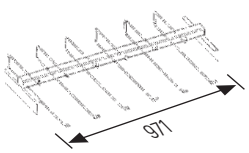
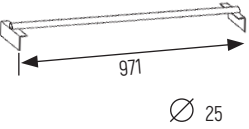
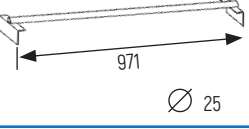
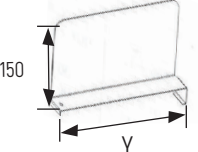
| | | | Europe Racking Number | |
|---|--|------------------|--------------------------------------|--|
| | | VPE / U.E. / PU. | Verzinkt/ Galvanisé / Galvanized | |
|  | D: Halter für Kreuzverbinder (oben) | 1 | 268-722 | |
| | NL: Schoorclip (boven) | | | |
| | F: Clip supérieur pour croix (en haut) | | | |
| | E: Strutclip (top) | | | |
|  | D: Halter für Kreuzverbinder (unter) | 1 | 268-724 | |
| | NL: Schoorclip (onder) | | | |
| | F: Clip supérieur pour croix (en bas) | | | |
| | E: Strutclip (bottom) | | | |
|  | D: Multiclip | 1 | 268-723 | |
| | NL: Multiclip | | | |
| | F: Multiclip inférieur | | | |
| | E: Multiclip | | | |
|  | D: Einzelclip | 1 | 268-721 | |
| | NL: Ophangclip | | | |
| | F: Clip pour tablette | | | |
| | E: Suspensionclip | | | |
|  | D: Fußplatte | 1 | 269-097 | |
| | NL: Voetplaat | | | |
| | F: Pied métallique | | | |
| | E: Footplate | | | |
|  | D: Ausgleichsplatte | 1 | 269-098 | |
| | NL: Vulplaat | | | |
| | F: Plaques de calâge | | | |
| | E: Levelling shim | | | |
| | | | Schwarz / Zwart/ Noir / Black | |
|  | D: Abschlußkappe Kunststoff | 1 | 269-982 | |
| | NL: Kunststof afdekdop | | | |
| | F: Embout de protection | | | |
| | E: Plastic end cap | | | |

| | | | | | Europe Racking Number | |
|---|---------------------------------|------------------|-----------|----------|----------------------------------|--|
| | | VPE / U.E. / PU. | X x Y | RAL 7035 | Verzinkt/ Galvanisé / Galvanized | |
|  | D: Stahlfachboden | 1 | 300 x 485 | 266-296 | 268-296 | |
| | NL: Legbord | 1 | 400 x 485 | 266-297 | 268-297 | |
| | F: Tablette métallique | 1 | 500 x 485 | 266-298 | 268-298 | |
| | E: Shelf | 1 | 600 x 485 | 266-299 | 268-299 | |
| | | 1 | 300 x 971 | 266-325 | 268-325 | |
| | | 1 | 400 x 971 | 266-326 | 268-326 | |
| | | 1 | 500 x 971 | 266-328 | 268-328 | |
| | | 1 | 600 x 971 | 266-327 | 268-327 | |
|  | D: Stahlfachboden gelocht | 1 | 300 x 971 | 266-317 | 268-317 | |
| | NL: Legbord geperforeerd | 1 | 400 x 971 | 266-318 | 268-318 | |
| | F: Tablette métallique perforée | 1 | 500 x 971 | 266-319 | 268-319 | |
| | E: Shelf perfo | 1 | 600 x 971 | 266-320 | 268-320 | |
| | | | | | | |
|  | D: Schüttgutleiste | | | | | |
| | NL: Voorzetlijst | 1 | 110 x 971 | 266-420 | 268-420 | |
| | F: Plinthe frontale perforée | 1 | 160 x 971 | 266-421 | 268-421 | |
| | E: Bin front | | | | | |
|  | D: Bodenstütze | | Y | | | |
| | NL: Legbordondersteuning | 1 | 971 | 266-381 | 268-381 | |
| | F: Renfort de tablette | | | | | |
| | E: Shelf reinforcer | | | | | |
|  | D: Sockelblende | | | | | |
| | NL: Stofplint | 1 | 485 | 266-289 | 268-289 | |
| | F: Cache - socle | 1 | 971 | 266-389 | 268-389 | |
| | E: Shelf plinth | | | | | |
|  | D: Sockelblende gelocht | | | | | |
| | NL: Stofplint geperforeerd | 1 | 971 | 266-380 | 268-300 | |
| | F: Cache-socle perforée | | | | | |
| | E: Shelf plinth perforated | | | | | |
|  | D: Gitterrostfachboden | 1 | 300 | | 268-063 | |
| | NL: Roosterlegbord | 1 | 400 | | 268-064 | |
| | F: Etagère grillé | 1 | 500 | | 268-065 | |
| | E: Mesh shelves | 1 | 600 | | 268-066 | |
|  | D: Auffangbehälter | 1 | 300 | | 268-083 | |
| | NL: Lekbak | 1 | 400 | | 268-084 | |
| | F: Bac de rétention | 1 | 500 | | 268-085 | |
| | E: Drip tray | 1 | 600 | | 268-086 | |

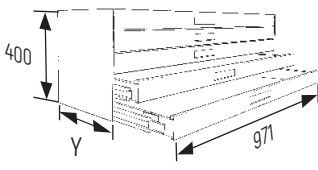
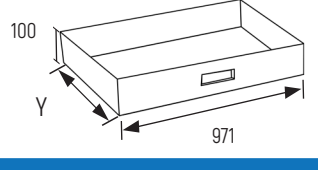
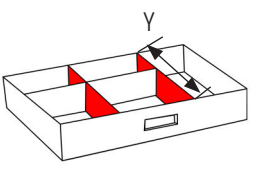
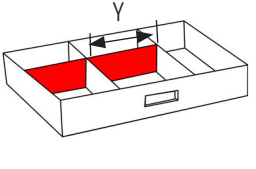
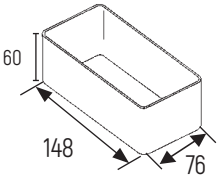
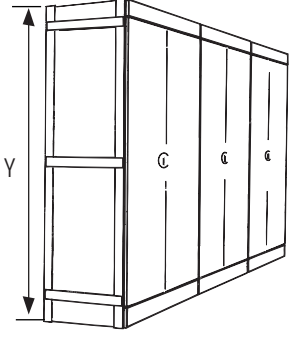
| | | | | Europe Racking Number |
|---|--|------------------|-------------|--|
| | | VPE / U.E. / PU. | X x Y | hellgrau/ licht grijs / gris clair/ light grey |
|  | D: Seitenwand für Einzelregal (6 mm dick) | 1 | 198 x 2.295 | 268-734 |
| | NL: Dichte wand enkele stelling (6 mm dik) | 1 | 298 x 2.295 | 268-736 |
| | F: Paroi latérale mélaminé (6 mm d'épaisseur) | 1 | 398 x 2.295 | 268-740 |
| | E: Solid front panel single row (6 mm thick) | 1 | 498 x 2.295 | 268-738 |
| | Multi single | 1 | 198 x 2.495 | 268-772 |
| | Tiefe / diepte / profondeur / depth (mm) = | 1 | 298 x 2.495 | 268-774 |
| | Seitwand / wand / paroi / panel (mm) | 1 | 398 x 2.495 | 268-776 |
| | 300 = 198; | 1 | 498 x 2.495 | 268-772 |
| | 400 = 298; | | | |
| | 500 = 398; | 1 | 198 x 2.895 | 268-764 |
| 600 = 498; | 1 | 298 x 2.895 | 268-766 | |
| | 1 | 398 x 2.895 | 268-768 | |
| | 1 | 498 x 2.895 | 268-770 | |
|  | D: Seitenwand für Doppelregal | 1 | 226 x 2.295 | 268-735 |
| | NL: Dichte wand dubbele stelling | 1 | 326 x 2.295 | 268-737 |
| | F: Paroi latérale mélaminé (double) | 1 | 426 x 2.295 | 268-741 |
| | E: Solid front panel double row | 1 | 526 x 2.295 | 268-739 |
| | Multi double | 1 | 226 x 2.495 | 268-773 |
| | Tiefe / diepte / profondeur / depth (mm) = | 1 | 326 x 2.495 | 268-775 |
| | Seitwand / wand / paroi / panel (mm) | 1 | 426 x 2.495 | 268-777 |
| | 300 = 226; | 1 | 526 x 2.495 | 268-779 |
| | 400 = 326; | | | |
| | 500 = 426; | 1 | 226 x 2.895 | 268-765 |
| 600 = 526; | 1 | 326 x 2.895 | 268-767 | |
| | 1 | 426 x 2.895 | 268-769 | |
| | 1 | 526 x 2.895 | 268-771 | |
|  | D: Rückwand | 1 | 971 x 2.295 | 268-732 |
| | NL: Achterwand | 1 | 971 x 2.495 | 268-761 |
| | F: Panneau de fond mélaminé | 1 | 971 x 2.895 | 268-762 |
| | E: Solid rear panel | | | |
|  | D: Befestigung Rückwand Einzelreihe | 1 | | RAL 7035 |
| | NL: Bevestiging achterwand enkele rij | | | 266-295 |
| | F: Fixation panneau arrière pour blocs simples | | | |
| | E: Mounting for single row rear panel | | | |



| | | | | | Europe Racking Number |
|---|---|---|-----------|-----------|----------------------------------|
| | | VPE / U.E. / PU. | X x Y | RAL 7035 | Verzinkt/ Galvanisé / Galvanized |
|  | D: 4 Pin Teiler für gelochten Stahlfachboden | 1 | 300 x 170 | 266-461 | 268-461 |
| | | 1 | 300 x 220 | 266-462 | 268-462 |
| | NL: 4 pins verdeelschot voor geperforeerde legborden | 1 | 300 x 270 | 266-463 | 268-463 |
| | F: Séparateur avec 4 goupilles pour tablette métallique perforée | 1 | 400 x 170 | 266-469 | 268-469 |
| | | 1 | 400 x 220 | 266-470 | 268-470 |
| | | 1 | 400 x 270 | 266-471 | 268-471 |
| | E: 4 pin-divider for perforated shelf | 1 | 400 x 320 | 266-472 | 268-472 |
| | | 1 | 400 x 370 | 266-4739 | 268-473 |
| | | 1 | 300 x 971 | 266-325 | 268-325 |
| | | 1 | 400 x 971 | 266-326 | 268-326 |
| | | 1 | 500 x 971 | 266-327 | 268-327 |
| | | 1 | 600 x 971 | 266-328 | 268-328 |
| | | 1 | 600 x 971 | 266-328 | 268-328 |
| |  | D: 2 Pin Teiler für gelochten Stahlfachboden | 1 | 300 x 150 | 266-461 |
| | | 1 | 300 x 250 | 266-462 | 268-462 |
| NL: 2 pins verdeelschot voor geperforeerde legborden | | 1 | 400 x 150 | 266-753 | 268-753 |
| F: Séparateur avec 2 goupilles pour tablette métallique perforée | | 1 | 400 x 250 | 266-757 | 268-757 |
| | | 1 | 500 x 150 | 266-758 | 268-758 |
| E: 2 pin-divider for perforated shelf | | 1 | 500 x 250 | 266-754 | 268-752 |
| | | 1 | 600 x 150 | 266-755 | 268-755 |
| | | 1 | 600 x 250 | 266-759 | 268-759 |

| | | | | | | Europe Racking Number |
|---|---------------------------------------|---------------------|--|-----|----------|-------------------------------------|
| | | VPE / U.E. / PU. | haken/ haken/ crochets/ crochet | Y | RAL 7035 | Verzinkt/ Galvanisé / Galvanized |
|  | D: Schlitzleiste vorne (20 Teilungen) | 1 | | 38 | 266-378 | 268-378 |
| | NL: Voorlijst verdeelbak (20 vakken) | | | | | |
| | F: Support d'emboitement avant | | | | | |
| | E: Front side of dividing element | | | | | |
|  | D: Schlitzleiste hinten | 1 | | 130 | 266-388 | 268-388 |
| | NL: Achterlijst verdeelbak | | | | | |
| | F: Support d'emboitement arrière | | | | | |
| | E: Back side of dividing element | | | | | |
|  | D: Wannenteiler für Schlitzleiste | 1 | | 300 | 266-013 | 268-013 |
| | NL: Verdeelschot tbv verdeelbak | 1 | | 400 | 266-014 | 268-014 |
| | F: Séparateur a emboiter | 1 | | 500 | 266-015 | 268-015 |
| | E: Partition for dividing element | | | | | |
|  | D: Träger mit Haken | 1 | 11 | | 266-200 | |
| | NL: V-snaar hanger | 1 | 7 | | 266-201 | |
| | F: Support avec crochets | 1 | 6 | | 266-202 | |
| | E: Fanbelt hanger | | | | | |
|  | D: Träger mit Haken Quer | 1 | 7 | | 266-205 | |
| | NL: V-snaar hanger haaks | | | | | |
| | F: Support avec crochets transversal | | | | | |
| | E: Right angled fanbelt hanger | | | | | |
|  | D: Träger rund symetrisch | 1 | | | 266-192 | |
| | NL: Kleding hanger symetrisch | | | | | |
| | F: Support symétrique | | | | | |
| | E: Clothing hanger symmetrical | | | | | |
|  | D: Träger asymetrisch | 1 | | | 266-292 | |
| | NL: Kleding hanger asymetrisch | | | | | |
| | F: Support asymétrique | | | | | |
| | E: Clothing hanger asymmetrical | | | | | |
|  | D: Fachteiler freistehend | 1 | | 300 | 266-653 | 268-653 |
| | NL: Verdeelschot vrijstaand | 1 | | 400 | 266-654 | 268-654 |
| | F: Séparateur autonome | 1 | | 500 | 266-655 | 268-655 |
| | E: Freestanding divider | 1 | | 600 | 266-656 | 268-656 |

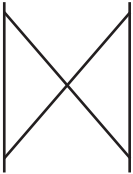
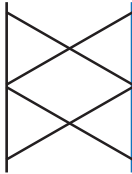
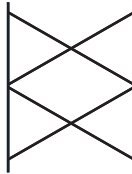
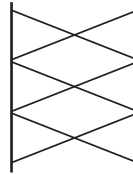
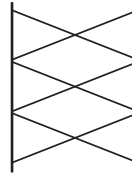


| | | | | Europe Racking Number |
|---|---|---|-------|-----------------------|
| | | VPE / U.E. / PU. | Y | RAL 7035 |
|  | D: Schubladenblock mit fünf Schubladen | 1 | 400 | 266-274 |
| | NL: Ladenblok met vijf laden | 1 | 500 | 266-273 |
| | F: Bloc de cinq tiroirs télescopiques | 1 | 600 | 266-272 |
| | E: Shelf with five drawers | | | |
| | | | | |
|  | D: Schublade | 1 | 400 | 266-284 |
| | NL: Enkele lade | 1 | 500 | 266-285 |
| | F: Tiroirs | 1 | 600 | 266-286 |
| | E: Single drawer | | | |
| Verzinkt / Galvanisé / Galvanized | | | | |
|  | D: Längsteiler Schublade | 1 | 400 | 268-409 |
| | NL: Diepteverdeler tbv enkele lade | 1 | 500 | 268-410 |
| | F: Separateur longitudinal pour tiroirs | 1 | 600 | 268-411 |
| | E: Depth partition | | | |
|  | D: Querteiler Schublade | 1 | 50 | 268-405 |
| | NL: Breedte verdeler tbv enkele lade | 1 | 100 | 268-406 |
| | F: Separateur de travers pour tiroirs | 1 | 150 | 268-412 |
| | E: Width partition | 1 | 200 | 268-413 |
| Blau / Blauw / Bleu / Blue | | | | |
|  | D: Kunststoffbox | Max. Anzahl Einsätze pro Schublade / Max. aantal bakken per lade / Le nombre max. de boîtes par tiroir / Max. number of container per tray: 400 mm tief / diep / profond / deep: 24 500 mm tief / diep / profond / deep: 30 600 mm tief / diep / profond / deep: 42 | | 266-366 |
| | NL: Kunststof bak | | | |
| | F: Boîtes en plastique | | | |
| | E: Plastic container | | | |
| RAL 7035 | | | | |
|  | D: Türensset | | | |
| | NL: Deurenset | 1 | 1.000 | 266-731 |
| | F: Portes avec serrures | 1 | 2.100 | 266-7302 |
| | E: Set of doors | | | |
| | | | | |

Multisystem Belastungstabelle

| Belastung / Boden | | Anzahl Bodenstütze: | | |
|-------------------|-----|---------------------|-----|-----|
| | | 0 | 1 | 2 |
| Tiefe | 300 | 120 | 200 | - |
| | 400 | 105 | 200 | - |
| | 500 | 105 | 185 | 200 |
| | 600 | 105 | 170 | 200 |

| Belastungs- klasse | Rahmenhöhe | | |
|-----------------------|------------|-----------|-----------|
| | < 2100 mm | < 2300 mm | < 2900 mm |
| Einzelregal | | | |
| Leicht I | 960 | 820 | 760 |
| Leicht II | 1590 | 1400 | 990 |
| Mittel I | 2000 | 1620 | 1620 |
| Mittel II | 2630 | 2430 | 1800 |
| Schwer | 3620 | 2880 | 2060 |
| Doppelregal | | | |
| Leicht I | 960 | 820 | 760 |
| Leicht II | 1320 | 1180 | 900 |
| Mittel I | 2000 | 1620 | 1000 |
| Mittel II | 2000 | 1800 | 1400 |
| Schwer | 2740 | 2500 | 1940 |

| Belastungsklasse | Leicht I | Leicht II | Mittel I | Mittel II | Schwer |
|---|---|---|---|--|---|
| | Anzahl Traverse | 2 x 2 | 2 x 2 | 3 x 2 | 3 x 2 |
| Anzahl Kreuzen | 2 | 4 | 4 | 6 | 6 |
| |  |  |  |  |  |
| Max. Tragkraft pro Kreuzverband (kg) | | | | | |
| Einzelregal | 3800 | 6100 | 6100 | 7000 | 7000 |
| Doppleregal | 4400 | 7100 | 7100 | 7500 | 7500 |

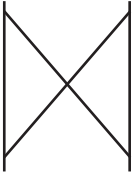
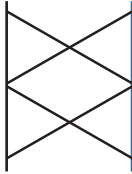
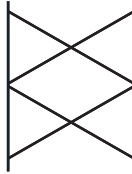
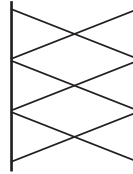
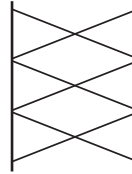
Ermittlung der Belastung

1. Bestimmung Sie die maximale Fachlast pro Ebenen. Dann berechnen Sie die maximale Feldlast (Fachlasten x Anzahl Fachhöden).
2. Festlegung der Traversenanzahl unter Berücksichtigung der Feldlast..
3. Ermittlung der Art und Anzahl der Kreuzverbände.
4. In dem ersten und letzten Feld muß immer ein Kreuzverband vorhanden sein.

Multisystem belastingtabel

| Belasting / legbord | | Aantal legbordondersteuningen | | |
|---------------------|-----|-------------------------------|-----|-----|
| | | 0 | 1 | 2 |
| Diepte | 300 | 120 | 200 | - |
| | 400 | 105 | 200 | - |
| | 500 | 105 | 185 | 200 |
| | 600 | 105 | 170 | 200 |

| Max. belasting per unit (kg) | Belastings-klasse | Framehoogte | | |
|------------------------------|-------------------|-------------|-----------|-----------|
| | | < 2100 mm | < 2300 mm | < 2900 mm |
| Enkele uitvoering | | | | |
| | Licht I | 960 | 820 | 760 |
| | Licht II | 1590 | 1400 | 990 |
| | Middel I | 2000 | 1620 | 1620 |
| | Middel II | 2630 | 2430 | 1800 |
| | Zwaar | 3620 | 2880 | 2060 |
| Dubbele uitvoering | | | | |
| | Licht I | 960 | 820 | 760 |
| | Licht II | 1320 | 1180 | 900 |
| | Middel I | 2000 | 1620 | 1000 |
| | Middel II | 2000 | 1800 | 1400 |
| | Zwaar | 2740 | 2500 | 1940 |

| Classe de charge / méthode de construction | Licht I | Licht II | Middel I | Middel II | Zwaar |
|--|---|---|---|--|---|
| | Aantal traverse | 2 x 2 | 2 x 2 | 3 x 2 | 3 x 2 |
| Aantal schoren | 2 | 4 | 4 | 6 | 6 |
| |  |  |  |  |  |
| Max. draagkracht per schoor unit (kg) | | | | | |
| Enkele uitvoering | 3800 | 6100 | 6100 | 7000 | 7000 |
| Dubbele uitvoering | 4400 | 7100 | 7100 | 7500 | 7500 |

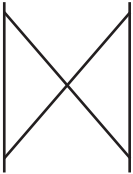
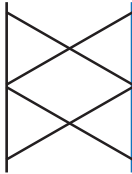
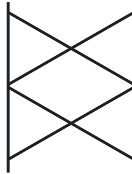
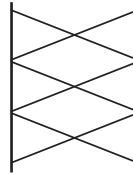
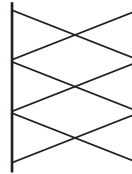
Wijze van gebruik

1. Bepaal de maximale belasting per legbord. Bereken vervolgens de maximale unitlast (legbordbelasting x aantal).
2. Bepaal de uitvoering van de traverse en schoren aan de hand van de maximale unitlast.
3. Bepaal het aantal units per schoorunit. Deel de maximale draagkracht per schoorunit door de maximale unitlast.
4. In de eerste en laatste unit van een rij moet een schoorverbinding aangebracht worden. Verdeel de resterende schoorunits over de gehele rij.

Multisystem table de charge

| Charge / étagère | | Nombre de support d'étagère | | |
|------------------|-----|-----------------------------|-----|-----|
| | | 0 | 1 | 2 |
| Profondeur | 300 | 120 | 200 | - |
| | 400 | 105 | 200 | - |
| | 500 | 105 | 185 | 200 |
| | 600 | 105 | 170 | 200 |

| max. charger par unité (kg) | | classe de charge | Hauteur du cadre | | |
|-----------------------------|----------|------------------|------------------|-----------|-----------|
| | | | < 2100 mm | < 2300 mm | < 2900 mm |
| Seule rangée | | | | | |
| | Léger I | 960 | 820 | 760 | |
| | Léger II | 1590 | 1400 | 990 | |
| | Moyen I | 2000 | 1620 | 1620 | |
| | Moyen II | 2630 | 2430 | 1800 | |
| | Lourd | 3620 | 2880 | 2060 | |
| Double rangée | | | | | |
| | Léger I | 960 | 820 | 760 | |
| | Léger II | 1320 | 1180 | 900 | |
| | Moyen I | 2000 | 1620 | 1000 | |
| | Moyen II | 2000 | 1800 | 1400 | |
| | Lourd | 2740 | 2500 | 1940 | |

| Classe de charge / méthode de construction | | Léger I | Léger II | Moyen I | Moyen II | Lourd |
|--|--------------------|---|---|---|--|---|
| | Nombre de traverse | | 2 x 2 | 2 x 2 | 3 x 2 | 3 x 2 |
| nombre d'entretoises | | 2 | 4 | 4 | 6 | 6 |
| | |  |  |  |  |  |
| max. charger par unité embase (kg) | | | | | | |
| | Seule rangée | 3800 | 6100 | 6100 | 7000 | 7000 |
| | Double rangée | 4400 | 7100 | 7100 | 7500 | 7500 |

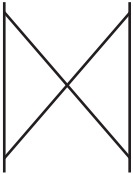
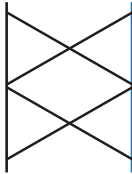
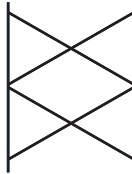
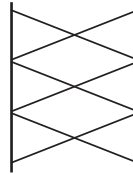
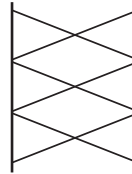
Méthode d'utilisation

1. Déterminez la charge maximale par étagère. Ensuite, calculez la charge maximale de l'unité. (charge par étagère x nombre d'étagères).
2. Déterminez la classe de charge basé sur le charge maximale de l'uni té .
3. Déterminez le nombre d'entretoises par unités de rangé. Déterminez la charge tendeur maximale par rangée. Divisez la charge maximale par unité embase par charge maximale de l'unité.
4. Une rangée doit commencer et terminer par une unité connection de tendeurs. Le reste doit être réparti sur les rangs.

Multisystem load table

| Load per shelf (kg) | | Number of shelf supports | | |
|---------------------|-----|--------------------------|-----|-----|
| | | 0 | 1 | 2 |
| Depth | 300 | 120 | 200 | - |
| | 400 | 105 | 200 | - |
| | 500 | 105 | 185 | 200 |
| | 600 | 105 | 170 | 200 |

| load class | | Frame height | | |
|------------|--|--------------|-----------|-----------|
| | | < 2100 mm | < 2300 mm | < 2900 mm |
| Single row | | | | |
| Light I | | 960 | 820 | 760 |
| Light II | | 1590 | 1400 | 990 |
| Medium I | | 2000 | 1620 | 1620 |
| Medium II | | 2630 | 2430 | 1800 |
| Heavy | | 3620 | 2880 | 2060 |
| Double row | | | | |
| Light I | | 960 | 820 | 760 |
| Light II | | 1320 | 1180 | 900 |
| Medium I | | 2000 | 1620 | 1000 |
| Medium II | | 2000 | 1800 | 1400 |
| Heavy | | 2740 | 2500 | 1940 |

| Load per construction method | Light I | Light II | Medium I | Medium II | Heavy |
|--------------------------------|---|---|---|--|---|
| | Number of traverses | 2 x 2 | 2 x 2 | 3 x 2 | 3 x 2 |
| Number of struts | 2 | 4 | 4 | 6 | 6 |
| |  |  |  |  |  |
| Max. load per braced unit (kg) | | | | | |
| Single row | 3800 | 6100 | 6100 | 7000 | 7000 |
| Double row | 4400 | 7100 | 7100 | 7500 | 7500 |

Instructions

1. Determine the maximum load per shelf. Then calculate the maximum unit load (Load per shelf x number of shelves).
2. Determine the load class based on the maximum unit load.
3. Determine the number of braced units per row. Divide the maximum load per braced unit by the maximum unit load.
4. A row should start and end with a braced unit. The rest should be divided evenly over the row.

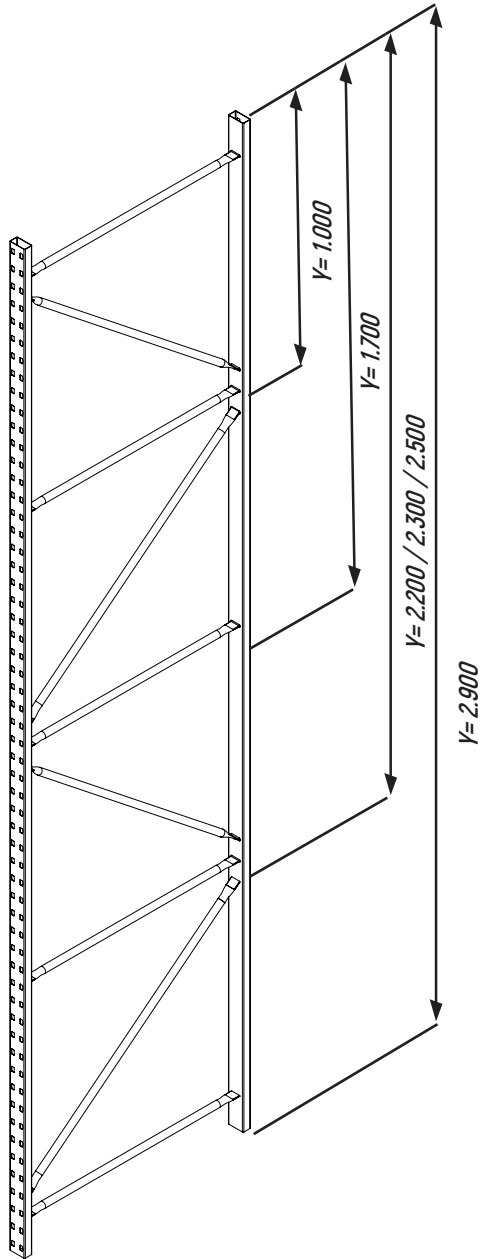


2

Tube-50

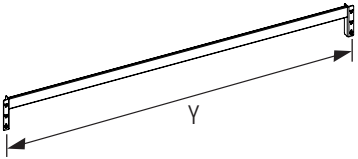
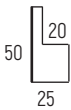
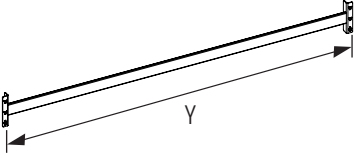
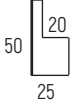
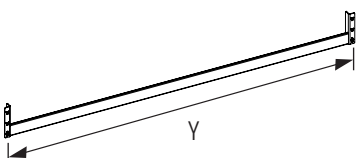

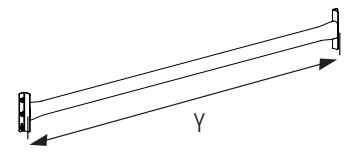

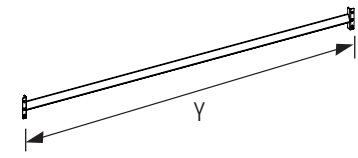
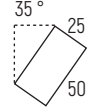
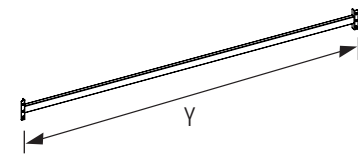



Tube-50


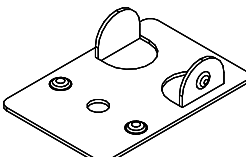
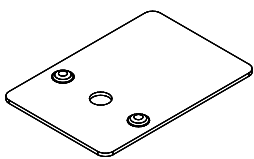
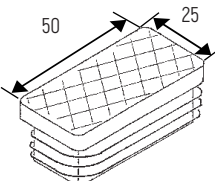
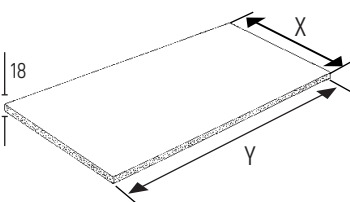


| | | | | Europe Racking Number |
|------------|------------------|---------------|----------|-----------------------|
| | VPE / U.E. / PU. | X x Y | RAL 7035 | |
| D: Rahmen | 1 | 300 x 1.000 | 266-105 | |
| NL: Frame | 1 | 450 x 1.000 | 266-107 | |
| F: Échelle | 1 | 600 x 1.000 | 266-111 | |
| E: Frame | 1 | 750 x 1.000 | 266-125 | |
| | 1 | 900 x 1.000 | 266-116 | |
| | 1 | 1.200 x 1.000 | 266-121 | |
| | 1 | 300 x 1.700 | 266-106 | |
| | 1 | 450 x 1.700 | 266-108 | |
| | 1 | 600 x 1.700 | 266-112 | |
| | 1 | 750 x 1.700 | 266-126 | |
| | 1 | 900 x 1.700 | 266-117 | |
| | 1 | 1.200 x 1.700 | 266-122 | |
| | 1 | 300 x 2.200 | 266-206 | |
| | 1 | 450 x 2.200 | 266-210 | |
| | 1 | 600 x 2.200 | 266-211 | |
| | 1 | 750 x 2.200 | 266-212 | |
| | 1 | 900 x 2.200 | 266-215 | |
| | 1 | 1.200 x 2.200 | 266-207 | |
| | 1 | 300 x 2.300 | 266-203 | |
| | 1 | 450 x 2.300 | 266-208 | |
| | 1 | 600 x 2.300 | 266-213 | |
| | 1 | 750 x 2.300 | 266-227 | |
| | 1 | 900 x 2.300 | 266-218 | |
| | 1 | 1.200 x 2.300 | 266-223 | |
| | 1 | 300 x 2.500 | 266-220 | |
| | 1 | 450 x 2.500 | 266-221 | |
| | 1 | 600 x 2.500 | 266-222 | |
| | 1 | 750 x 2.500 | 266-225 | |
| | 1 | 900 x 2.500 | 266-226 | |
| | 1 | 1.200 x 2.500 | 266-217 | |
| | 1 | 300 x 2.900 | 266-204 | |
| | 1 | 450 x 2.900 | 266-209 | |
| | 1 | 600 x 2.900 | 266-214 | |
| | 1 | 750 x 2.900 | 266-228 | |
| | 1 | 900 x 2.900 | 266-219 | |
| | 1 | 1.200 x 2.900 | 266-224 | |

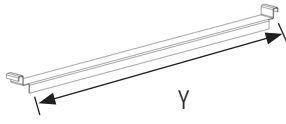
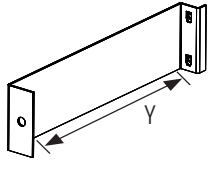
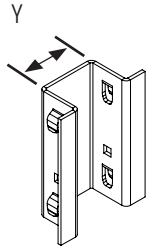
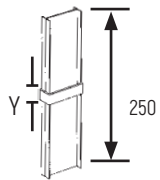
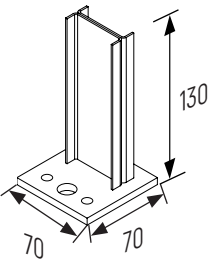
Tube-50

| | | | | Europe Racking Number | |
|---|---------------------------|-------------------|-------|-----------------------|---|
| Standard / standaard | | VPE / U.E. / P.U. | Y | RAL 7035 | Profile tube |
|  | D: Träger oben | 1 | 1.012 | 266-131 |  |
| | NL: Bovenligger | 1 | 1.512 | 266-136 | |
| | F: Lisse supérieure | 1 | 1.812 | 266-137 | |
| | E: Top beam | | | | |
|  | D: Träger mitte | 1 | 1.012 | 266-132 |  |
| | NL: Middenligger | 1 | 1.512 | 266-134 | |
| | F: Lisse intermédiaire | 1 | 1.812 | 266-135 | |
| | E: Middle beam | | | | |
|  | D: Träger unten | 1 | 1.012 | 266-133 |  |
| | NL: Onderligger | 1 | 1.512 | 266-138 | |
| | F: Lisse inférieure | 1 | 1.812 | 266-139 | |
| | E: Bottom beam | | | | |
| andere Optionen / andere opties / d'autres options / other options | | | | | |
|  | D: Reifenträger | 1 | 1.512 | 266-241 |  |
| | NL: Bandenligger | 1 | 1.812 | 266-242 | |
| | F: Lisse ronde pour pneus | 1 | 2.012 | 266-243 | |
| | E: Tyre beam | 1 | 3.012 | 266-244 | |
|  | D: Reifenträger | 1 | 1.512 | 150-004 |  |
| | NL: Bandenligger | 1 | 1.812 | 150-003 | |
| | F: Lisse ronde pour pneus | 1 | 2.012 | 150-002 | |
| | E: Tyre beam | 1 | 3.012 | 150-006 | |
|  | D: Reifenträger | | | |  |
| | NL: Bandenligger | 1 | 1.512 | 100-008 | |
| | F: Lisse ronde pour pneus | 1 | 2.312 | 100-001 | |
| | E: Tyre beam | | | | |

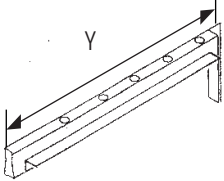
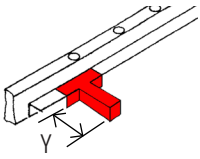
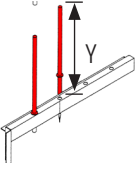
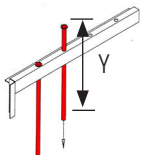
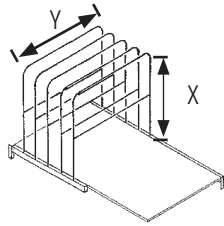
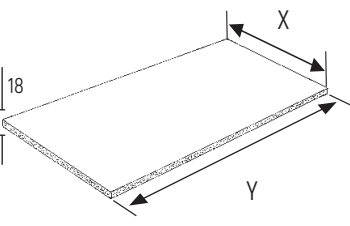


| | | | | Europe Racking Number |
|---|-----------------------------|------------------|---------------|-----------------------------------|
| | | VPE / U.E. / PU. | X x Y | Verzinkt / Galvanise / Galvanised |
|  | D: Sicherungsstifte | | | |
| | NL: Borgpen | 1 | | 269-096 |
| | F: Goupille de securité | | | |
| | E: Security pins | | | |
|  | D: Fußplatte | | | |
| | NL: Voetplaat | 1 | | 269-097 |
| | F: Pieds métallique | | | |
| | E: Footplate | | | |
|  | D: Ausgleichplatte | | | |
| | NL: Vulplaat | 1 | | 269-098 |
| | F: Plaques de calâge | | | |
| | E: Levelling shim | | | |
| Schwarz / Zwart/ Noir / Black | | | | |
|  | D: Abschlußkappe Kunststoff | | | |
| | NL: Kunststof afdekdop | 1 | | 269-982 |
| | F: Embout de protection | | | |
| | E: Plastic end cap | | | |
| Holz/ Hout/ Bois / Wood | | | | |
|  | D: Fachboden Spanplatte | 1 | 278 x 1.003 | 268-154 |
| | NL: Legbord spaanplaat | 1 | 425 x 1.003 | 268-155 |
| | F: Panneau bois | 1 | 575 x 1.003 | 268-152 |
| | E: Chipboard shelf | 1 | 725 x 1.003 | 268-157 |
| | | 1 | 875 x 1.003 | 268-153 |
| | | 1 | 1.175 x 1.003 | 268-156 |
| | | 1 | 278 x 1.501 | 268-141 |
| | | 1 | 425 x 1.501 | 268-143 |
| | | 1 | 575 x 1.501 | 268-145 |
| | | 1 | 725 x 1.501 | 268-158 |
| | | 1 | 875 x 1.501 | 268-147 |
| | | 1 | 1.175 x 1.501 | 268-149 |
| | | 1 | 278 x 1.801 | 268-142 |
| | | 1 | 425 x 1.801 | 268-144 |
| | | 1 | 575 x 1.801 | 268-146 |
| | | 1 | 725 x 1.801 | 268-159 |
| | 1 | 875 x 1.801 | 268-148 | |
| | 1 | 1.175 x 1.801 | 268-150 | |

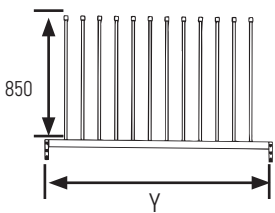
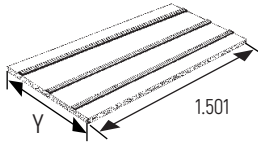
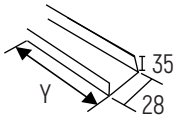
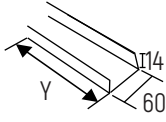
Tube-50

| | | | | | Europe Racking Number | |
|---|--|------------------|-------|----------|----------------------------------|--|
| | | VPE / U.E. / PU. | Y | RAL 7035 | Verzinkt/ Galvanisé / Galvanized | |
|  | D: Bodenstütze | 1 | 450 | 267-187 | 268-187 | |
| | NL: Legbord ondersteuning | 1 | 600 | 267-188 | 268-188 | |
| | F: Renfort pour panneau bois | 1 | 750 | 267-191 | 268-191 | |
| | | 1 | 900 | 267-189 | 268-189 | |
| | E: Shelf support | 1 | 1.200 | 267-190 | 268-190 | |
| RAL5009 | | | | | | |
|  | D: Wandhalter | 1 | 100 | 266-362 | | |
| | NL: Muursteun | 1 | 150 | 266-885 | | |
| | F: Fixation murale | 1 | 200 | 266-886 | | |
| | E: Wall support | 1 | 300 | 266-100 | | |
|  | D: Distanzteil | 1 | 36 | 266-058 | | |
| | NL: Afstandstuk | 1 | 200 | 266-885 | | |
| | F: Entretoise pour double face | 1 | 300 | 266-059 | | |
| | E: Rack spacer | 1 | 400 | 266-151 | | |
| | | | | | | |
|  | D: Rahmenverbinder | 1 | 16 | 266-377 | | |
| | NL: Staanderverbindingstuk | 1 | 25 | 266-382 | | |
| | F: Raccord montant, verticale | 1 | 40 | 266-383 | | |
| | E: Frame connector | | | | | |
|  | D: Fußplatte gesteckt | 1 | | 266-099 | | |
| | NL: HD voetplaat | | | | | |
| | F: Pieds métallique pour charge lourde | | | | | |
| | E: Heavy duty foot plate | | | | | |
| | | | | | | |

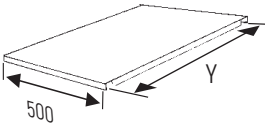
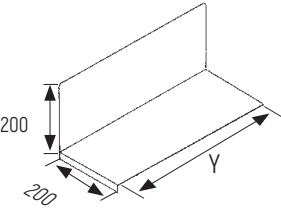
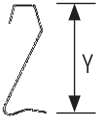

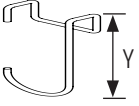
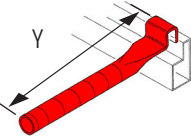
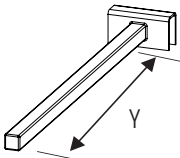
Tube-50

| | | Europe Racking Number | | | |
|---|--|-----------------------|---------------|---|----------|
| | | VPE / U.E. / PU. | Y | Anzahl Löcher / aantal gaten / nombre de trous / number of holes ($\varnothing 12$) | RAL 7035 |
|  | D: Träger | 1 | 1.012 | 8 | 266-367 |
| | NL: Plaatwerkligger | 1 | 1.512 | 13 | 266-375 |
| | F: Lisse perforée | 1 | 1.512 | 20 | 266-364 |
| | E: Perforated beam | 1 | 1.812 | 15 | 266-369 |
|  | D: Bodenstütze für Glas-/ Karosserieregale | 1 | 850 | | 266-197 |
| | NL: Legbordondersteuning tbv glaswerk/plaatwerk | 1 | 1.150 | | 266-198 |
| | F: Renfort pour pare-brises | | | | |
| | E: Perforated beam | | | | |
| RAL 5009 | | | | | |
|  | D: Stift stehend ($\varnothing 12$) | | | | |
| | NL: Verdeelpen stand ($\varnothing 12$) | 1 | 345 | | 266-648 |
| | F: Goupille de séparation inférieure ($\varnothing 12$) | | | | |
| | E: Standing peg divider ($\varnothing 12$) | | | | |
|  | D: Stift hängend ($\varnothing 12$) | | | | |
| | NL: Verdeelpen hangend ($\varnothing 12$) | 1 | 350 | | 266-647 |
| | F: Goupille de séparation supérieure ($\varnothing 12$) | | | | |
| | E: Hanging peg divider ($\varnothing 12$) | | | | |
| X x Y | | | | | |
| RAL 5009 | | | | | |
|  | D: Bügel ($\varnothing 12$) | 1 | 500 x 600 | | 266-640 |
| | NL: Verdeelboog ($\varnothing 12$) | | | | |
| | F: Etrier de séparation ($\varnothing 12$) | 1 | 500 x 900 | | 266-641 |
| | E: Divider ($\varnothing 12$) | 1 | 825 x 900 | | 266-642 |
| | | 1 | 500 x 1.200 | | 266-643 |
| | | 1 | 825 x 1.200 | | 266-644 |
|  | D: Holz Fachboden für Träger gelocht | 1 | 547 x 1.003 | | 268-123 |
| | NL: Houten legbord voor gatenligger | 1 | 847 x 1.003 | | 268-124 |
| | F: Panneau bois pour lisse perforée | 1 | 1.147 x 1.003 | | 268-127 |
| | E: Wood shelf perfo beam | | | | |
| | | 1 | 547 x 1.003 | | 268-230 |
| | | 1 | 847 x 1.003 | | 268-231 |
| | | 1 | 1.147 x 1.003 | | 268-232 |

Tube-50

| | | Europe Racking Number | | | |
|--|--|-----------------------|-------|------------------------------------|----------|
| | | VPE / U.E. / PU. | Y | Teiler/ Pinnen Separateur/ Pins | RAL 7035 |
|  | D: Träger mit Teiler für Glas | 1 | 1.512 | 8 | 266-363 |
| | NL: Glasstelling ligger met pinnen bekleed | 1 | 1.512 | 12 | 266-196 |
| | F: Lisses pour pare-brises avec séparateur | | | | |
| | E: indscreen beam with pins | | | | |
|  | D: Fachboden Holz für Glas | 1 | 397 | | 268-233 |
| | NL: Houten legbord glasstelling | 1 | 847 | | 268-151 |
| | F: Panneau bois pour pare-brises | 1 | 1.147 | | 268-128 |
| | E: Wooden windscreen shelf | 1 | | | |
|  | D: Schutzleisten Holz | | | | |
| | NL: Beschermingsprofiel hout | 1 | 1.512 | | 268-113 |
| | F: Profil de protection en bois | | | | |
| | E: Wooden protection profile | | | | |
|  | D: Schutzleisten Kunststoff blau | | | | |
| | NL: Beschermingsprofiel PU Blauw | 1 | 2.000 | | 268-899 |
| | F: Profil de protection, Polyuréthane bleu | | | | |
| | E: Protective PU Blue | | | | |

Tube-50

| | | Europe Racking Number | | |
|---|---|-----------------------|-------|------------------------------------|
| | | VPE / U.E. / PU. | Y | Verzinkt Galvanisé / Galvanized |
|  | D: Stahlpaneele | 1 | 600 | 268-354 |
| | NL: Legbord | 1 | 750 | 268-355 |
| | F: Tablette métallique | 1 | 900 | 268-356 |
| | E: Shelf | | | |
|  | D: Fachteiler | 1 | 300 | 268-342 |
| | NL: Verdeelschot | 1 | 450 | 268-343 |
| | F: Séparateur métallique | 1 | 600 | 268-344 |
| | E: Divider | 1 | 750 | 268-347 |
| | | 1 | 900 | 268-345 |
|  | D: Haken für Auspuff | | | |
| | NL: Uitlaathaak | 100 | 137 | 268-043 |
| | F: Crochets pour échappements | 25 | 261 | 268-046 |
| | E: Exhaust hooks | | | |
|  | D: Haken Anhängerkupplung (ø8) (90°) gedreht | | | |
| | NL: Ophanghaak Trekhaak (ø8) (90°) gedraaid | 10 | 137 | 268-283 |
| | F: Crochets attache-remorque (ø8) (90°) tournés | | | |
| | E: Towbar hooks (ø8) (90°) turned | | | |
|  | D: Fahrradhaken (ø8) plastifiziert | | | |
| | NL: Fietshaak (ø8) geplastificeerd | 1 | 200 | 268-403 |
| | F: Crochet vélo en fil métallique (ø8) plastifiés | 1 | 390 | 268-404 |
| | E: Bicyclehook (ø8) plasticised | | | |
| | | | | RAL 5009 |
|  | D: Strebe hängend | 1 | 600 | 266-183 |
| | NL: Uitlaathanger | 1 | 750 | 266-186 |
| | F: Poutrelle pour stockage pendu | 1 | 900 | 266-184 |
| | E: Hanger | 1 | 1.200 | 266-185 |
|  | D: Strebe stehend | | | |
| | NL: Vakverdeler | 1 | 500 | 266-095 |
| | F: Séparateur | 1 | 600 | 266-104 |
| | E: Exhaust divider | | | |

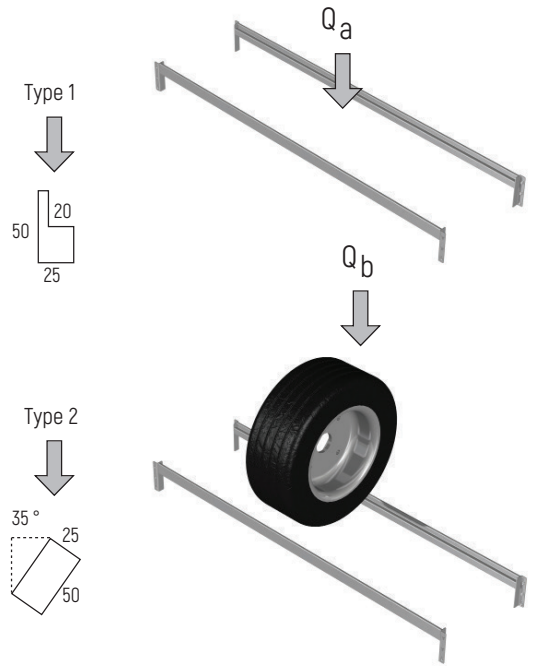
Tube-50 Belastungstabelle

| Max. belastung pro Unit | Rahmenhöhe (mm) | Knicklänge (mm) | Max. belastung (kg) |
|-------------------------|-----------------|-----------------|---------------------|
| | | 500 | 4000 |
| | | 600 | 3800 |
| | | 800 | 3200 |
| | | 1100 | 2400 |
| | | 1400 | 1700 |
| | | 1800 | 1000 |
| | | 2100 | 600 |
| | | 2200 | 540 |
| | | 2500 | 540 |
| 2700 | 540 | | |

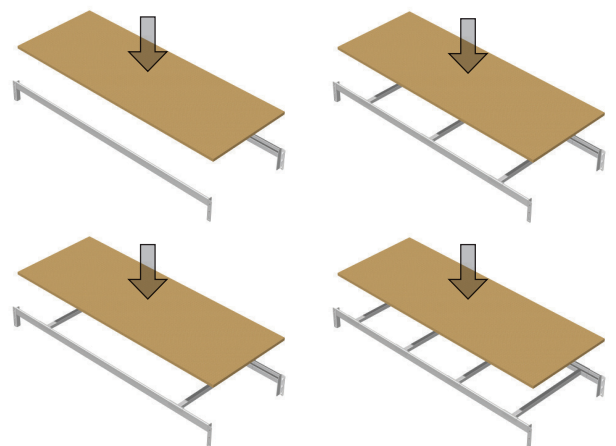
Ermittlung der Belastung

1. Festlegung der max Feldlast unter Berücksichtigung der Knicklänge.
2. Max. Traglast pro
3. Max. Traglast pro Fach unter Berücksichtigung der Anzahl Verstärkungen.

| Max. Belastung pro Träger Paar (kg) | Trägerlänge (mm) | Boden (Q_a) | Reifen (Q_b) Type 1 | Reifen (Q_b) Type 2 | |
|-------------------------------------|------------------|-----------------|----------------------------|----------------------------|-----|
| | | 1012 | 580 | 150 | - |
| | | 1512 | 420 | 100 | 320 |
| | | 1812 | 400 | 75 | 280 |
| | | 2012 | - | - | 260 |
| | | 3012 | - | - | 150 |



| Max. Belastung pro Spanplatte Boden, 18 mm (kg) | Trägerlänge (mm) | Tiefe (mm) | Anzahl Verstärkungen | | | |
|---|------------------|------------|----------------------|-----|-----|-----|
| | | | 0 | 2 | 3 | 4 |
| | 1012 | 300 | 280 | 360 | 580 | 580 |
| | | 450 | 200 | 240 | 450 | 480 |
| | | 600 | 80 | 165 | 375 | 410 |
| | | 750 | 50 | 150 | 365 | 400 |
| | | 900 | 40 | 140 | 350 | 380 |
| | | 1200 | 30 | 110 | 350 | 380 |
| | 1512 | 300 | 350 | 420 | 420 | 420 |
| | | 450 | 300 | 340 | 420 | 420 |
| | | 600 | 120 | 160 | 325 | 420 |
| | | 750 | 75 | 150 | 300 | 420 |
| | | 900 | 60 | 120 | 250 | 420 |
| | | 1200 | 50 | 100 | 250 | 420 |
| | 1812 | 300 | 380 | 400 | 400 | 400 |
| | | 450 | 350 | 400 | 400 | 400 |
| | | 600 | 100 | 150 | 300 | 400 |
| | | 750 | 90 | 120 | 275 | 400 |
| 900 | | 70 | 100 | 250 | 400 | |
| 1200 | | 55 | 80 | 200 | 400 | |



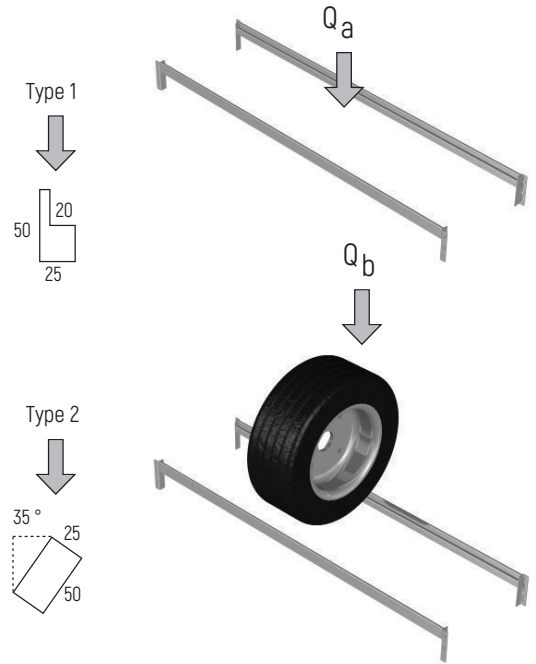
Tube-50 Belastingstabel

| Max. belasting per unit | Framehoogte (mm) | Vrije kniklengte (mm) | Max. belasting (kg) |
|-------------------------|------------------|-----------------------|---------------------|
| | | 500 | 4000 |
| | | 600 | 3800 |
| | | 800 | 3200 |
| | | 1100 | 2400 |
| | | 1400 | 1700 |
| | | 1800 | 1000 |
| | | 2100 | 600 |
| | | 2200 | 540 |
| | | 2500 | 540 |
| 2700 | 540 | | |

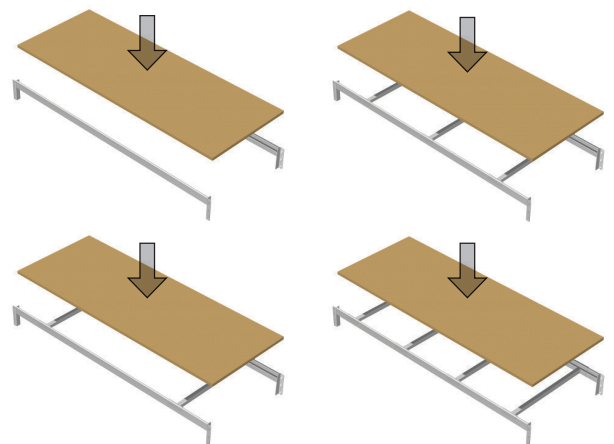
Wijze van gebruik

1. Bepaal de maximale unit belasting. Rond de vrije kniklengte af naar een hogere waarde en neem de hierbij behorende maximale unit belasting.
2. Bepaal de maximale liggerpaar belasting aan de hand van van de lengte van de ligger en de wijze van belasting (zie afbeelding).
3. Bepaal de maximale legbordbelasting aan de hand van de liggerlengte, framediepte en het aantal legbordondersteuning.

| Max. belasting per liggerpaar (kg) | Liggerlengte (mm) | Legbord (Q_a) | Banden (Q_b) Type 1 | Banden (Q_b) Type 2 | |
|------------------------------------|-------------------|-------------------|----------------------------|----------------------------|-----|
| | | 1012 | 580 | 150 | - |
| | | 1512 | 420 | 100 | 320 |
| | | 1812 | 400 | 75 | 280 |
| | | 2012 | - | - | 260 |
| | | 3012 | - | - | 150 |



| Maximale belasting per spaanplaat legbord, 18 mm (kg) | Liggerlengte (mm) | Diepte (mm) | Aantal legbordondersteuning | | | |
|---|-------------------|-------------|-----------------------------|-----|-----|-----|
| | | | 0 | 2 | 3 | 4 |
| 1012 | 300 | 300 | 280 | 360 | 580 | 580 |
| | 450 | 200 | 240 | 450 | 480 | |
| | 600 | 80 | 165 | 375 | 410 | |
| | 750 | 50 | 150 | 365 | 400 | |
| | 900 | 40 | 140 | 350 | 380 | |
| | 1200 | 30 | 110 | 350 | 380 | |
| 1512 | 300 | 350 | 420 | 420 | 420 | |
| | 450 | 300 | 340 | 420 | 420 | |
| | 600 | 120 | 160 | 325 | 420 | |
| | 750 | 75 | 150 | 300 | 420 | |
| | 900 | 60 | 120 | 250 | 420 | |
| | 1200 | 50 | 100 | 250 | 420 | |
| 1812 | 300 | 380 | 400 | 400 | 400 | |
| | 450 | 350 | 400 | 400 | 400 | |
| | 600 | 100 | 150 | 300 | 400 | |
| | 750 | 90 | 120 | 275 | 400 | |
| | 900 | 70 | 100 | 250 | 400 | |
| | 1200 | 55 | 80 | 200 | 400 | |



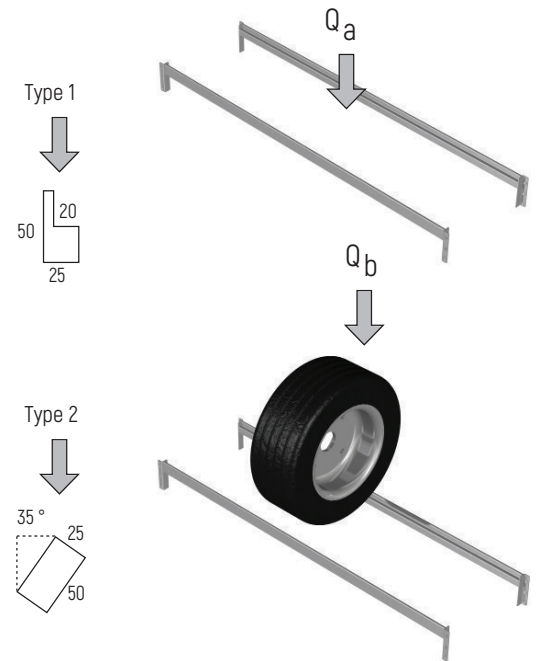
Tube-50 table de charge

| Charge maximale par unité | Hauteur du cadre (mm) | longueur de flambement (mm) | charge maximale (kg) |
|---------------------------|-----------------------|-----------------------------|----------------------|
| | | 500 | 4000 |
| | | 600 | 3800 |
| | | 800 | 3200 |
| | | 1100 | 2400 |
| | | 1400 | 1700 |
| | | 1800 | 1000 |
| | | 2100 | 600 |
| | | 2200 | 540 |
| | | 2500 | 540 |
| 2700 | 540 | | |

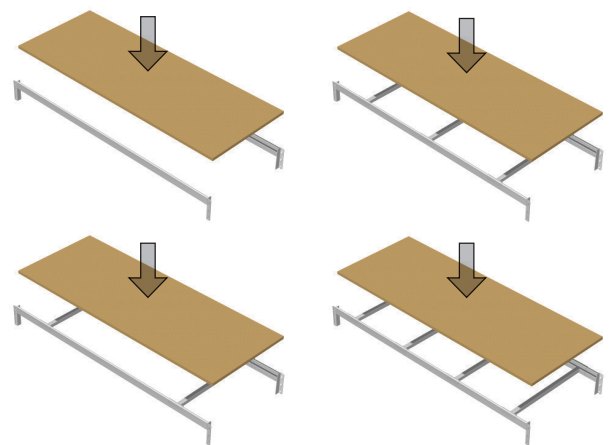
Méthode d'utilisation

1. Déterminez la charge maximale de l'unité. Arrondissez la **longueur de flambement** et prenez la charge correspondante maximale de l'unité.
2. Déterminez la charge maximale du paire de bras basée sur la longueur de la poutre et la méthode de chargement. (voir l'image).
3. Déterminez la charge maximale des étagères basée sur la longueur des poutres, la profondeur du cadre et le nombre de supports d'étagères.

| Charge maximale par deux lisses (kg) | Longueur des lisses (mm) | Étagère (Q_a) | Pneus (Q_b) Type 1 | Pneus (Q_b) Type 2 | |
|--------------------------------------|--------------------------|-------------------|---------------------------|---------------------------|-----|
| | | 1012 | 580 | 150 | - |
| | | 1512 | 420 | 100 | 320 |
| | | 1812 | 400 | 75 | 280 |
| | | 2012 | - | - | 260 |
| | | 3012 | - | - | 150 |



| Charge maximale par étagère panneaux de particules, 18 mm (kg) | Longueur des poutres (mm) | Profondeur (mm) | Nombre de support d'étagère | | | |
|--|---------------------------|-----------------|-----------------------------|-----|-----|-----|
| | | | 0 | 2 | 3 | 4 |
| 1012 | 300 | 300 | 280 | 360 | 580 | 580 |
| | 450 | 450 | 200 | 240 | 450 | 480 |
| | 600 | 600 | 80 | 165 | 375 | 410 |
| | 750 | 750 | 50 | 150 | 365 | 400 |
| | 900 | 900 | 40 | 140 | 350 | 380 |
| | 1200 | 1200 | 30 | 110 | 350 | 380 |
| 1512 | 300 | 300 | 350 | 420 | 420 | 420 |
| | 450 | 450 | 300 | 340 | 420 | 420 |
| | 600 | 600 | 120 | 160 | 325 | 420 |
| | 750 | 750 | 75 | 150 | 300 | 420 |
| | 900 | 900 | 60 | 120 | 250 | 420 |
| | 1200 | 1200 | 50 | 100 | 250 | 420 |
| 1812 | 300 | 300 | 380 | 400 | 400 | 400 |
| | 450 | 450 | 350 | 400 | 400 | 400 |
| | 600 | 600 | 100 | 150 | 300 | 400 |
| | 750 | 750 | 90 | 120 | 275 | 400 |
| | 900 | 900 | 70 | 100 | 250 | 400 |
| | 1200 | 1200 | 55 | 80 | 200 | 400 |

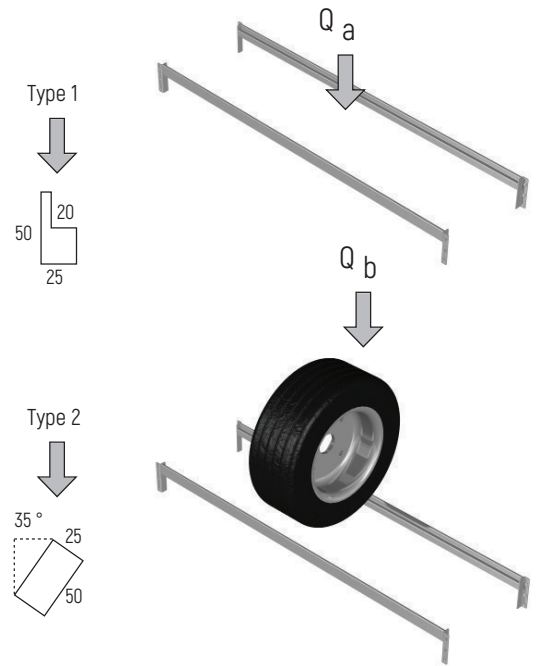


Tube-50 load table

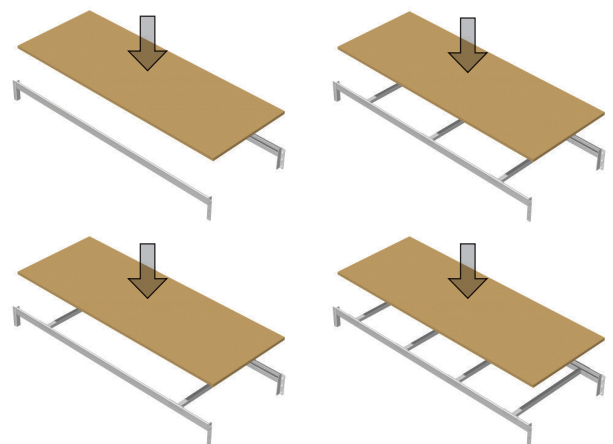
| Max. load per unit | Frame height (mm) | Buckling length (mm) | Max. load (kg) |
|--------------------|-------------------|----------------------|----------------|
| | | 500 | 4000 |
| | | 600 | 3800 |
| | | 800 | 3200 |
| | | 1100 | 2400 |
| | | 1400 | 1700 |
| | | 1800 | 1000 |
| | | 2100 | 600 |
| | | 2200 | 540 |
| | | 2500 | 540 |
| 2700 | 540 | | |

- Instructions**
1. Determine the maximum unit load. Round up the buckling length and take the matching maximum unit load.
 2. Determine the maximum beam pair load based on the beam length and the method of loading (see illustration).
 3. Determine the maximum shelf load based on beam length, frame depth and number of shelf supports.

| Max. load per beam pair (kg) | Beam length (mm) | Shelf (Q_a) | Tires (Q_b) Type 1 | Tires (Q_b) Type 2 | |
|------------------------------|------------------|-----------------|---------------------------|---------------------------|-----|
| | | 1012 | 580 | 150 | - |
| | | 1512 | 420 | 100 | 320 |
| | | 1812 | 400 | 75 | 280 |
| | | 2012 | - | - | 260 |
| | | 3012 | - | - | 150 |



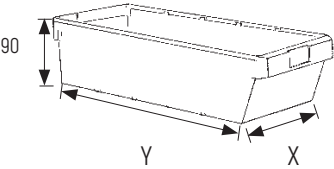
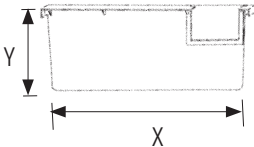
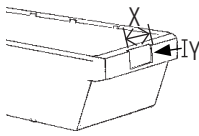
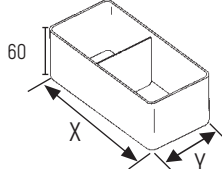
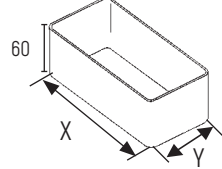
| Max. load per chipboard shelf, 18 mm (kg) | Beam length (mm) | Depth (mm) | Number of shelf supports | | | |
|---|------------------|------------|--------------------------|-----|-----|-----|
| | | | 0 | 2 | 3 | 4 |
| 1012 | 1012 | 300 | 280 | 360 | 580 | 580 |
| | | 450 | 200 | 240 | 450 | 480 |
| | | 600 | 80 | 165 | 375 | 410 |
| | | 750 | 50 | 150 | 365 | 400 |
| | | 900 | 40 | 140 | 350 | 380 |
| | | 1200 | 30 | 110 | 350 | 380 |
| 1512 | 1512 | 300 | 350 | 420 | 420 | 420 |
| | | 450 | 300 | 340 | 420 | 420 |
| | | 600 | 120 | 160 | 325 | 420 |
| | | 750 | 75 | 150 | 300 | 420 |
| | | 900 | 60 | 120 | 250 | 420 |
| | | 1200 | 50 | 100 | 250 | 420 |
| 1812 | 1812 | 300 | 380 | 400 | 400 | 400 |
| | | 450 | 350 | 400 | 400 | 400 |
| | | 600 | 100 | 150 | 300 | 400 |
| | | 750 | 90 | 120 | 275 | 400 |
| | | 900 | 70 | 100 | 250 | 400 |
| | | 1200 | 55 | 80 | 200 | 400 |





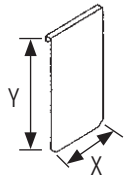
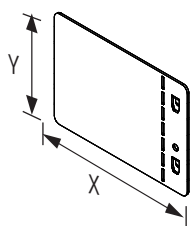
3 Zubehör / Toebehoren / Accessoires / Accessories



Zubehör/Toebehoren/Accessoires/Accessories

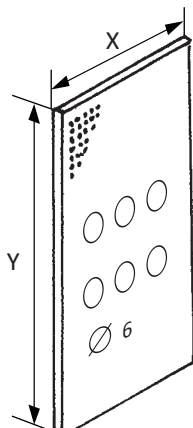

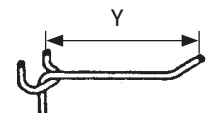
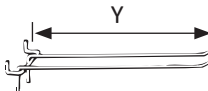
| | | | | Europe Racking Number |
|---|--------------------------------------|------------------|-----------|----------------------------|
| | | VPE / U.E. / PU. | X x Y | Blau / Blauw / Bleu / Blue |
|  | D: Lagerkasten | 1 | 120 x 300 | 268-392 |
| | NL: Kunststof bak | 1 | 240 x 300 | 268-393 |
| | F: Boîtes en plastique | | | |
| | E: Plastic container | 1 | 120 x 400 | 268-394 |
| | | 1 | 240 x 400 | 268-395 |
| | | 1 | 120 x 500 | 268-398 |
| | | 1 | 240 x 500 | 268-399 |
|  | D: Querteiler | | | |
| | NL: Kunststof verdeelschot | 1 | 120 x 90 | 268-396 |
| | F: Séparateur pour boîtes | 1 | 240 x 90 | 268-397 |
| | E: Plastic divider | | | |
|  | D: Weiße Etiketten + Fenster | 50 | 67 x 30 | 268-370 |
| | NL: Witte labels + vensters | | | |
| | F: Étiquettes blanches + cellophanes | | | |
| | E: White labels + covers | | | |
|  | D: Kunststoffbox geteilt | 1 | 148 x 76 | 268-357 |
| | NL: Kunststof bak met schotje | | | |
| | F: Boîte plastique avec paroi | | | |
| | E: Plastic container with divider | | | |
|  | D: Kunststoffbox | 1 | 148 x 76 | 268-366 |
| | NL: Kunststof bak zonder schotje | | | |
| | F: Boîte plastique sans paroi | | | |
| | E: Plastic container without divider | | | |

Zubehör/Toebehoren/Accessoires/Accessories

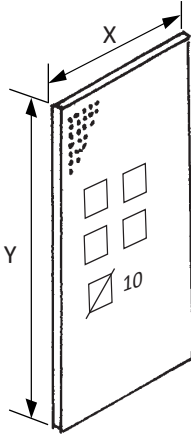
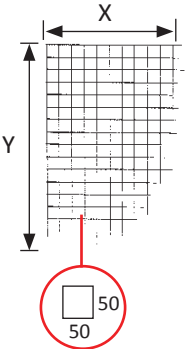
| | | | | Europe Racking Number |
|---|--|------------------|-----------|-----------------------|
| | | VPE / U.E. / PU. | X x Y | |
|  | D: Magnetetiketten weiß | 100 | 15 x 95 | 268-049 |
| | NL: Magneetiket wit | 100 | 20 x 95 | 268-044 |
| | F: Etiquettes magnetique blanches | 100 | 25 x 95 | 268-037 |
| | E: Magnetic label blank | 100 | 30 x 95 | 268-045 |
| Transparent/ Transparant | | | | |
|  | D: Etikettenleiste selbstklebend | 1 | 26 x 971 | 268-329 |
| | NL: Labelhouder zelfklevend | | | |
| | F: Support étiquettes autoadhésive pour tablette | | | |
| | E: Self-adhesive label holder for shelf | | | |
| RAL 7035 | | | | |
|  | D: Etiketten Trägerplatte | 10 | 100 x 200 | 266-090 |
| | NL: Identificatieplaat voor etiketten | | | |
| | F: Panneau pour etiquettes | | | |
| | E: Identification plate | | | |
| RAL 5009 | | | | |
|  | D: Universalgangschild | | | |
| | NL: Universeel lokatiebord | 1 | 100 x 90 | 266-264 |
| | F: Panneau location universel | 1 | 140 x 140 | 266-265 |
| | E: Path identification universal | | | |



Zubehör/Toebehoren/Accessoires/Accessories

| | | | | Europe Racking Number | |
|---|-----------------------------|------------------|-------------|-----------------------------------|--|
| | | VPE / U.E. / PU. | X x Y | Verzinkt / Galvanise / Galvanised | |
|  | D: Sicherungstifte | 1 | 300 x 2.000 | 266-004 | |
| | NL: Borgpen | | 400 x 2.000 | 266-005 | |
| | F: Goupille de securité | | 450 x 2.000 | 266-006 | |
| | E: Security pins | | 500 x 2.000 | 266-007 | |
| | | | 600 x 2.000 | 266-008 | |
| | | | 750 x 2.000 | 266-009 | |
| | | | 900 x 2.000 | 266-010 | |
| | | | | | |
| | | | 300 x 2.250 | 266-086 | |
| | | | 400 x 2.250 | 266-085 | |
| | | | 450 x 2.250 | 266-082 | |
| | | | 500 x 2.250 | 266-078 | |
| | | | 600 x 2.250 | 266-083 | |
| | | | 750 x 2.250 | 266-080 | |
| | | | 800 x 2.250 | 266-081 | |
| | 900 x 2.250 | 266-084 | | | |
| Y | | | | | |
| Verzinkt / Galvanise / Galvanised | | | | | |
|  | D: Abschlußkappe Kunststoff | 2 | | 268-091 | |
| | NL: Kunststof afdekdop | | | | |
| | F: Embout de protection | | | | |
| | E: Plastic end cap | | | | |
|  | D: Displayhaken | 25 | 45 | 268-094 | |
| | NL: Displayhaak | 25 | 60 | 268-093 | |
| | F: Broches | 25 | 120 | 268-092 | |
| | E: Display hook | | | | |
|  | D: Displayhaken doppelt | 1 | 200 | 268-109 | |
| | NL: Dubbele displayhaak | | | | |
| | F: Broches doubles | | | | |
| | E: Display hook double | | | | |

Zubehör/Toebehoren/Accessoires/Accessories

| | | | | Europe Racking Number | |
|---|---|------------------|---------------|-----------------------|--|
| | | VPE / U.E. / PU. | X x Y | RAL 7035 | |
|  | D: Lochwand für Werkzeughaken | 1 | 300 x 2.000 | 266-401 | |
| | NL: Gereedschapsbord | 1 | 400 x 2.000 | 266-402 | |
| | F: Panneau perforée trous carrés | 1 | 450 x 2.000 | 266-403 | |
| | E: Perforated panel with square hole | 1 | 500 x 2.000 | 266-404 | |
| | | 1 | 600 x 2.000 | 266-405 | |
| | | 1 | 750 x 2.000 | 266-406 | |
| | | 1 | 800 x 2.000 | 266-407 | |
| | | 1 | 900 x 2.000 | 266-408 | |
| | | | | | |
| | | 1 | 300 x 2.250 | 266-409 | |
| | | 1 | 400 x 2.250 | 266-410 | |
| | | 1 | 450 x 2.250 | 266-411 | |
| | | 1 | 500 x 2.250 | 266-412 | |
| | | 1 | 600 x 2.250 | 266-413 | |
| | | 1 | 750 x 2.250 | 266-414 | |
| | 1 | 800 x 2.250 | 266-415 | | |
| | 1 | 900 x 2.250 | 266-416 | | |
|  | D: Schutzgitter | 1 | 968 x 2.253 | 266-601 | |
| | NL: Gaaspaneel | 1 | 1.553 x 2.253 | 266-600 | |
| | F: Panneau grillage | | | | |
| | E: Mesh panel | 1 | 968 x 2.453 | 266-598 | |
| | | 1 | 968 x 2.853 | 266-603 | |
| | | 1 | 1.553 x 2.853 | 266-599 | |

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