

**Katalog / Catalogue des références**

**Catalogus / Product catalogue**

**Multisystem & Tube-50 system**



Telefon: +41 79 384 83 33  
E-Mail: [markus.laemmler@europe-racking.com](mailto:markus.laemmler@europe-racking.com)

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**Für eine persönliche Beratung  
Lagerregale- und Betriebseinrichtungen**

**Markus W. Lämmli**  
APF Services GmbH  
Schweizermattenstrasse 1  
4813 Uerkheim

Telefon: +41 79 384 83 33

E-Mail: [markus.laemmlli@europe-racking.com](mailto:markus.laemmlli@europe-racking.com)

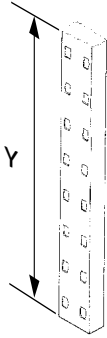


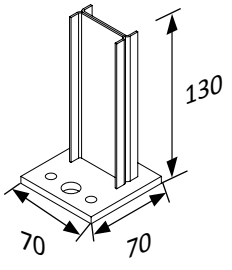
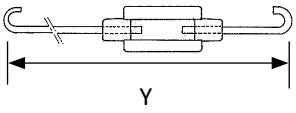
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# Multisystem

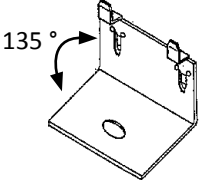
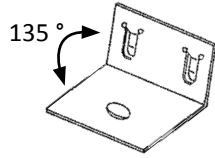
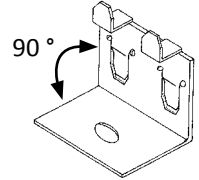

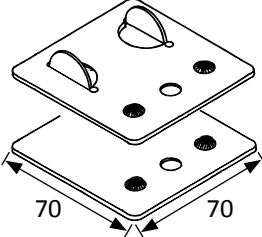
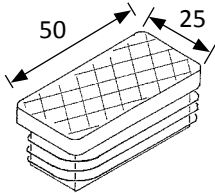
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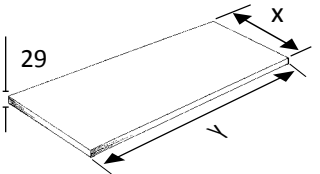
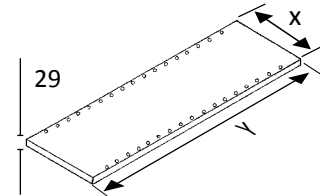
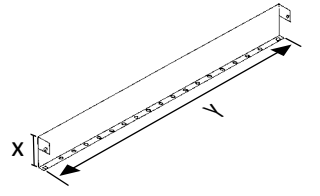
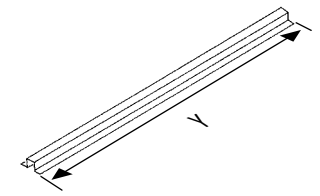
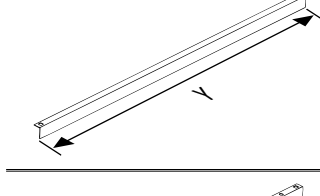
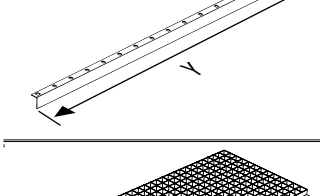
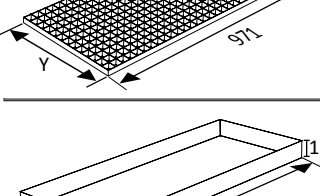
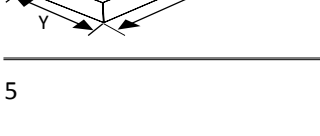


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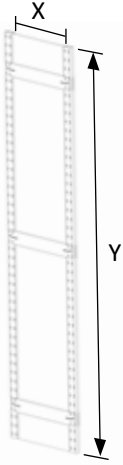
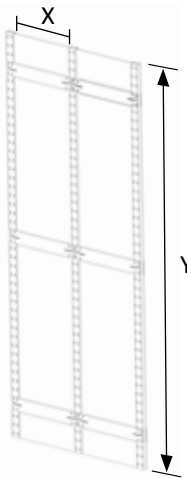
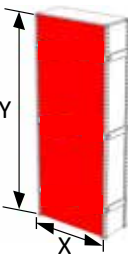

Deutsch	Nederlands	Français	English	
Alle Abmessungen sind in mm	Alle maten zijn in mm	Toutes les dimensions sont en mm	All dimensions are in mm	
Mehr Farben auf Anfrage	Andere kleuren op aanvraag leverbaar	Autres couleurs disponibles sur demande	Other colors available on request	
Mehr Größen auf Anfrage	Andere formaten op aanvraag leverbaar	Autres dimensions disponibles sur demande	Other sizes available on request	
				<b>Europe Racking Number</b>
				RAL 5009
				VPE / U.E. / P.U.
				Y
				266-5009
	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

# Multisystem

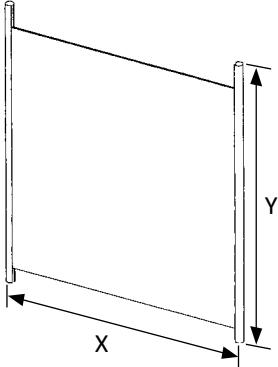
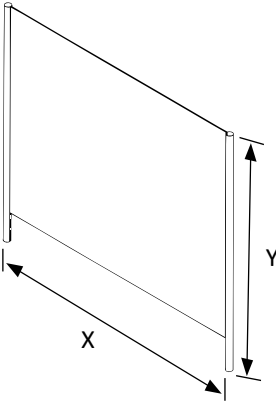
		Europe Racking Number	
		VPE / U.E. / P.U.	Verzinkt/ Galvanisé / Galvanized
	D: Halter für Kreuzverbinder (oben) NL: Schoorclip (boven) F: Clip supérieur pour croix (en haut) E: Strutclip (top)	1	268-722
	D: Halter für Kreuzverbinder (unter) NL: Schoorclip (onder) F: Clip supérieur pour croix (en bas)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

				Europe Racking Number	
		VPE/ U.E./ P.U.	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
	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: Schüttguleiste	1	110 x 971	266-420	268-420
	NL: Voorzetlijst	1	160 x 971	266-421	268-421
	F: Plinthe frontale perforée	1			
	D: Bodenstütze	1	Y		
	NL: Legbordondersteuning	1	971	266-381	268-381
	F: Renfort de tablette				
	E: Shelf reinforcer				
	D: Sockelblende	1	485	266-289	268-289
	NL: Stofplint	1	971	266-389	268-389
	F: Cache - socle				
	D: Sockelblende gelocht	1	971	266-380	268-380
	NL: Stofplint geperforeerd				
	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

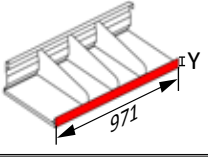
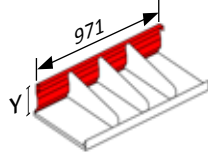
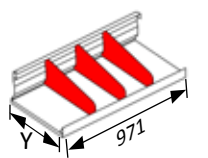

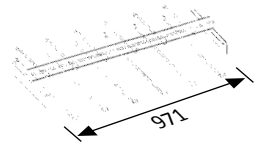
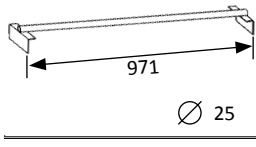
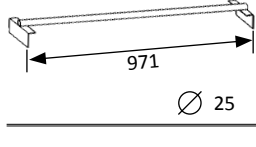
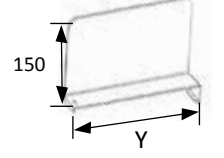
# Multisystem

			Europe Racking Number		
			VPE / U.E. / P.U.	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	
	<div style="background-color: #0070C0; color: white; padding: 5px; text-align: center;"> <b>Multi single</b>                      Tiefe / diepte / profondeur / depth (mm) =                      Seitwand/ wand/ paroi / panel (mm)                      300 = 198;                      400 = 298;                      500 = 398;                      600 = 498.                 </div>		1	198 x 2.495	268-772
			1	298 x 2.495	268-774
			1	398 x 2.495	268-776
			1	498 x 2.495	268-778
			1	198 x 2.895	268-764
		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	
	<div style="background-color: #0070C0; color: white; padding: 5px; text-align: center;"> <b>Multi double</b>                      Tiefe / diepte / profondeur / depth (mm) =                      Seitwand/ wand/ paroi / panel (mm)                      300 = 226;                      400 = 326;                      500 = 426;                      600 = 526.                 </div>		1	226 x 2.495	268-773
			1	326 x 2.495	268-775
			1	426 x 2.495	268-777
			1	526 x 2.495	268-779
		1	226 x 2.895	268-765	
		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 2295	268-732	
	NL: Achterwand	1	971 x 2495	268-761	
	F: Panneau de fond mélaminé	1	971 x 2895	268-762	
	E: Solid rear panel				
	D: Befestigung Rückwand Einzelreihe			RAL 7035	
	NL: Bevestiging achterwand enkele rij	1		266-295	
	F: Fixation panneau arrière pour blocs simples				
	E: Mounting for single row rear panel				

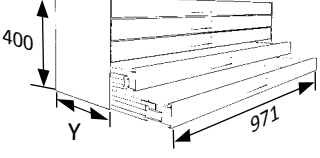
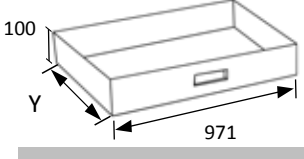
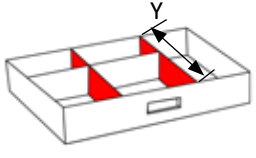
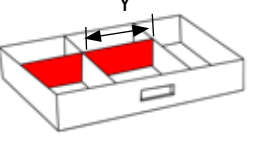
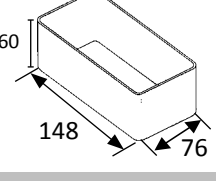
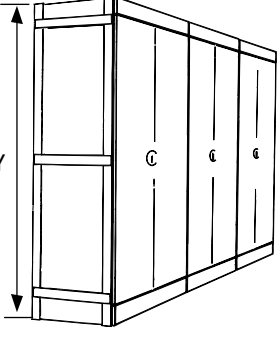
# Multisystem

				Europe Racking Number	
		VPE / U.E. / P.U.	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
	FR: 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	266-473	268-473
		1	500 x 270	266-479	268-479
		1	500 x 320	266-480	268-480
		1	500 x 370	266-481	268-481
		1	500 x 420	266-482	268-482
		1	500 x 470	266-483	268-483
		1	600 x 370	266-489	268-489
		1	600 x 420	266-490	268-490
	1	600 x 470	266-491	268-491	
	D: 2 Pin Teiler für gelochten Stahlfachboden	1	300 x 150	266-752	268-752
		1	300 x 250	266-756	268-756
	NL: 2 pins verdeelschot voor geperforeerde legborden	1	400 x 150	266-753	268-753
	FR: 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	268-754
		1	600 x 150	266-755	268-755
		1	600 x 250	266-759	268-759



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

# Multisystem

				Europe Racking Number
				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
	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		268-366
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	266-730
	E: Set of doors			

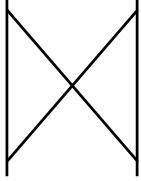
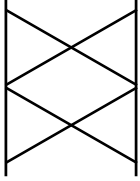
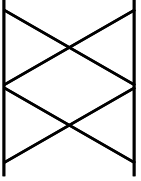
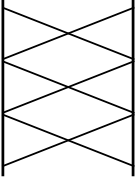
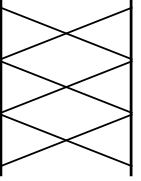
# Multisystem Belastungstabelle

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

## Ermittlung der Belastung

1. Bestimmung Sie die maximale Fachlast pro Ebenen. Dann berechnen Sie die maximale Feldlast (Fachlasten x Anzahl Fachböden).
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.

<b>Max. Belastung pro Feld (kg)</b>	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

<b>Belastungsklasse</b>		<b>Leicht I</b>	<b>Leicht II</b>	<b>Mittel I</b>	<b>Mittel II</b>	<b>Schwer</b>
	Anzahl Traverse	2 x 2	2 x 2	3 x 2	3 x 2	4 x 2
	Anzahl Kreuzen	2	4	4	6	6
						
	Max. Tragkraft pro Kreuzverband (kg)					
	Einzelregal	3800	6100	6100	7000	7000
	Doppelregal	4400	7100	7100	7500	7500

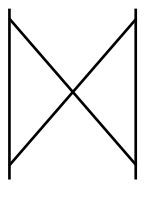
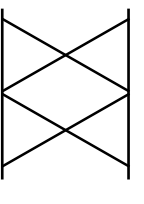
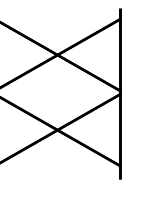
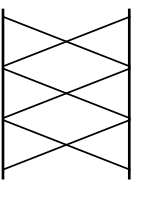
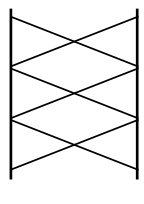
# Multisystem belastingstabel

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

## 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.

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

Belastingsklasse / wijze van opbouw	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

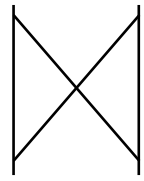
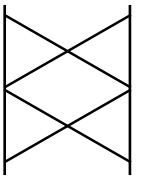
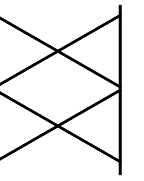
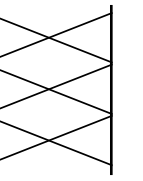
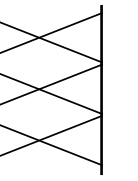
# Multisystem table de charge

Charge / étagère	Profondeur	Nombre de support d'étagère		
		0	1	2
	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

## 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'unité.
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.

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

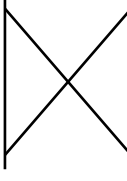
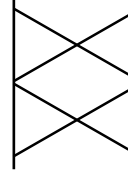
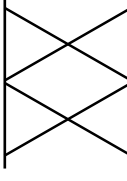
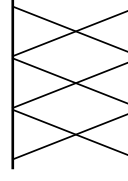
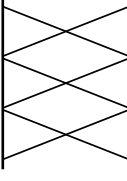
# Multisystem load table

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

## 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.

Max. load per unit (kg)	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

# Tube-50 System

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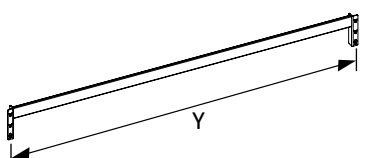
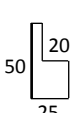
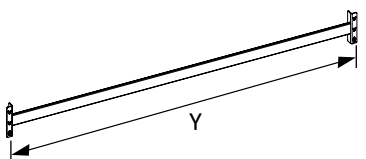
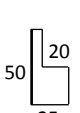
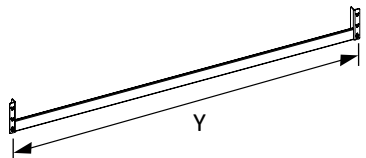
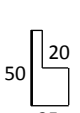
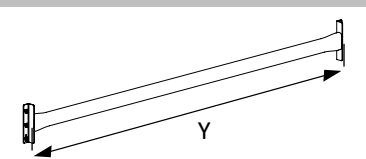
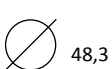
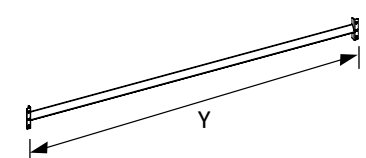
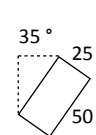
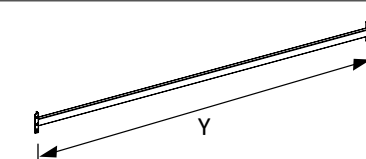
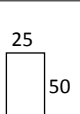


# Tube-50 System


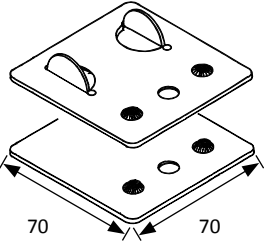
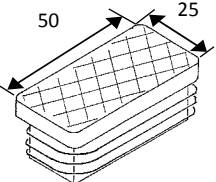
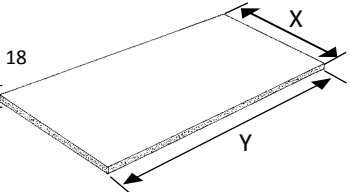
			Europe Racking Number		
			VPE / U.E. / P.U.	X x Y	RAL 5009
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	NL: Frame	1	450 x 1.000	266-107	
	F: Échelle	1	600 x 1.000	266-111	
	E: Frame	1	750 x 1.000	266-125	
		1	900 x 1.000	266-116	
		1	1.200 x 1.000	266-121	
		1	300 x 1.700	266-106	
		1	450 x 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		
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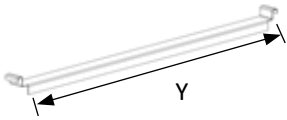
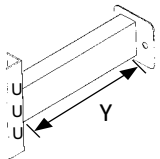
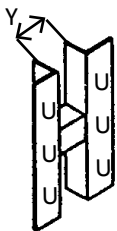
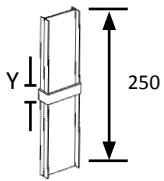
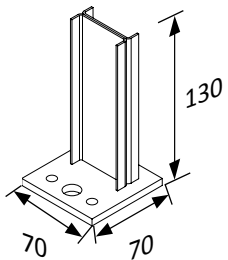
# Tube-50 System

Europe Racking Number					
Standard / standaard	VPE / U.E. / P.U.	Y	RAL 7035	Profile tube	
	D: Trager oben	1	1.012	266-131	
	NL: Bovenligger	1	1.512	266-136	
	F: Lisse superieure	1	1.812	266-137	
	E: Top beam				
	D: Trager mitte	1	1.012	266-132	
	NL: Middenligger	1	1.512	266-134	
	F: Lisse intermediaire	1	1.812	266-135	
	E: Middle beam				
	D: Trager unten	1	1.012	266-133	
	NL: Onderligger	1	1.512	266-138	
	F: Lisse inferieure	1	1.812	266-139	
	E: Bottom beam				
andere Optionen / andere opties / d'autres options / other options					
	D: Reifentrager	1	1.512	266-241	
	NL: Bandenligger	1	1.812	266-242	
	F: Lisses ronde pour pneus	1	2.012	266-243	
	E: Tyre beam	1	3.012	266-244	
	D: Reifentrager	1	1.512	150-004	
	NL: Bandenligger	1	1.812	150-003	
	F: Lisses pour pneus	1	2.012	150-002	
	E: Tyre beam	1	3.012	150-006	
	D: Palettentrager				
	NL: Palletligger	1	1.512	100-008	
	F: Lisses pour palette	1	2.312	100-001	
	E: Pallet beam				

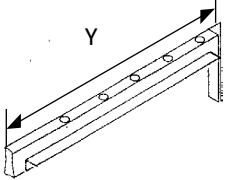
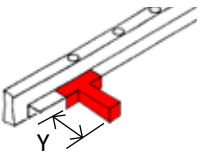
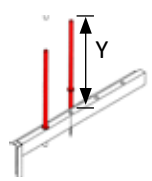
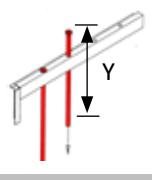
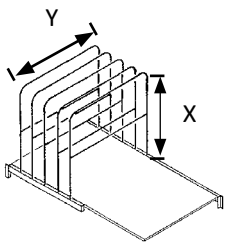
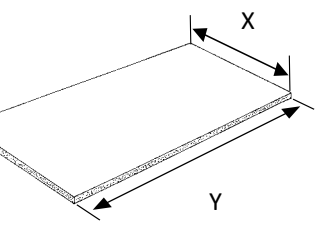
# Tube-50 System

				Europe Racking Number
		VPE / U.E. / P.U.	X x Y	Verzinkt / Galvanise / Galvanised
	D: Sicherungstifte NL: Borgpen F: Goupille de securité E: Security pins	1		269-096
	D: Fußplatte NL: Voetplaat F: Pieds métallique E: Footplate	1		269-097
	D: Ausgleichsplatte NL: Vulplaat F: Plaques de calâge E: Levelling shim	1		269-098
				Schwarz / Zwart / Noir / Black
	D: Abschlußkappe Kunststoff NL: Kunststof afdekdop F: Embout de protection E: Plastic end cap	1		269-982
				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	

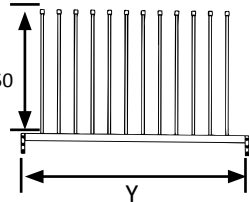
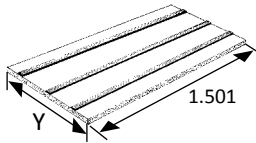
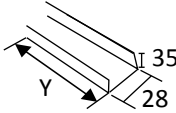
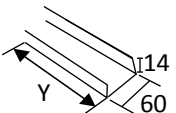
# Tube-50 System

				Europe Racking Number	
		VPE / U.E. / P.U.	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	1	750	267-191	268-191
	bois	1	900	267-189	268-189
	E: Shelf support	1	1.200	267-190	268-190
RAL 5009					
	D: Wandhalter	1	100	266-362	
	NL: Muursteun	1	150	266-885	
	F: Fixation murale	1	200	266-886	
	E: Wall suport	1	300	266-887	
	D: Distanzteil	1	36	266-100	
	NL: Afstandstuk	1	200	266-058	
	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				

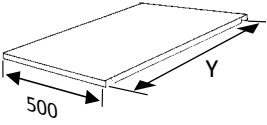
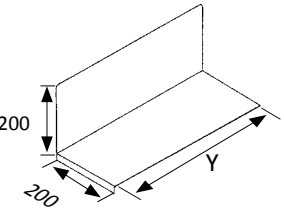
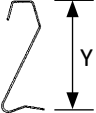

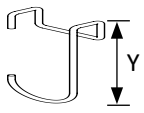
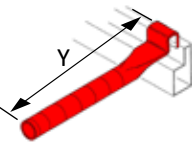
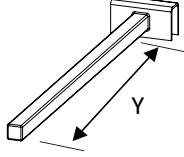
# Tube-50 System

Europe Racking Number					
		VPE / U.E. / P.U.	Y	Anzahl Löcher / aantal gaten / nombre de trous / number of holes (Ø12)	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
RAL 5009					
	D: Stift stehend (Ø12)	1	345		266-648
NL: Verdeelpen stand (Ø12)					
F: Goupille de séparation inférieure (Ø12)					
E: Standing peg divide (Ø12)					
	D: Stift hängend (Ø12)	1	350		266-647
NL: Verdeelpen hangend (Ø12)					
F: Goupille de séparation supérieure (Ø12)					
E: Hanging peg divider (Ø12)					
RAL 5009					
	D: Bügel (Ø12)	1	500 x 600		266-640
	NL: Verdeelboog (Ø12)	1	500 x 900		266-641
	F: Etrier de séparation (Ø12)				
	E: Divider (Ø12)	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 for perfo beam	1	547 x 1.501		268-129
		1	847 x 1.501		268-140
		1	1.147 x 1.501		268-130
		1	547 x 1.801		268-230
		1	847 x 1.801		268-231
		1	1.147 x 1.801		268-232

# Tube-50 System

			Europe Racking Number			
			VPE / U.E. / P.U.	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: Windscreen 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	1	1.512		268-113	
	NL: Beschermingsprofiel hout					
	F: Profil de protection en bois					
	E: Wooden protection profile					
	D: Schutzleisten Kunststoff blau	1	2.000		268-899	
	NL: Beschermingsprofiel PU Blauw					
	F: Profil de protection, Polyuréthane bleu					
	E: Protective PU Blue					

# Tube-50 System

Europe Racking Number				
		VPE / U.E. / P.U.	Y	Verzinkt Galvanisé / Galvanized
	D: Stahlpaneele NL: Legbord F: Tablette métallique E: Shelf	1 1 1	600 750 900	268-354 268-355 268-356
	D: Fachteiler NL: Verdeelschot F: Séparateur métallique E: Divider	1 1 1 1 1	300 450 600 750 900	268-342 268-343 268-344 268-347 268-345
	D: Haken für Auspuff NL: Uitlaathaak F: Crochets pour échappements E: Exhaust hooks	100 25	137 261	268-043 268-046
	D: Haken Anhängerkupplung (Ø8) (90°) gedreht NL: Ophanghaak Trekhaak (Ø8) (90°) gedraaid F: Crochets attache-remorque (Ø8) (90°) tournés E: Towbar hooks (Ø8) (90°) turned	10		268-283
	D: Fahrradhaken (Ø8) plastifiziert NL: Fietshaak (Ø8) geplastificeerd F: Crochet vélo en fil métallique (Ø8) plastifiés E: Bicyclehook (Ø8) plasticised	1 1	200 390	268-403 268-404
RAL 7035				
	D: Strebe hängend NL: Uitlaathanger F: Poutrelle pour stockage pendu E: Hanger	1 1 1 1	600 750 900 1.200	266-183 266-186 266-184 266-185
	D: Strebe stehend NL: Vakverdeler F: Séparateur E: Exhaust divider	1 1	500 600	266-095 266-104

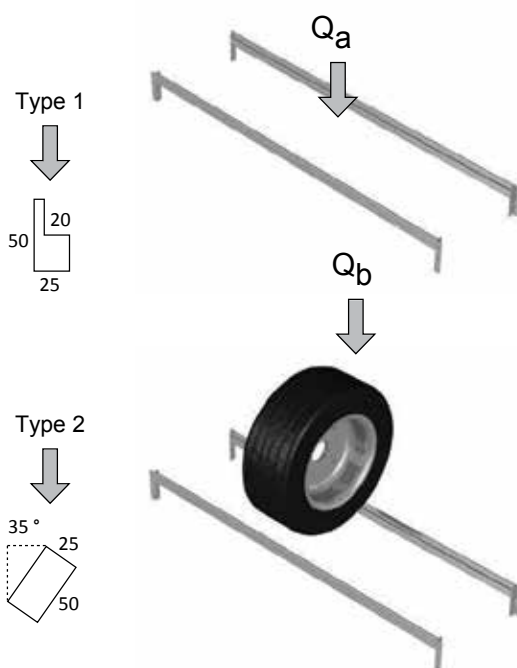
# Tube-50 System Belastungstabelle

Max. belastung pro Unit	Rahmenhöhe (mm)	Knicklänge (mm)	Max. belastung (kg)	
		1700	500	4000
		2300	600	3800
		2500	800	3200
		2900	1100	2400
			1400	1700
			1800	1000
			2100	600
			2200	540
			2500	540
	2700	540		

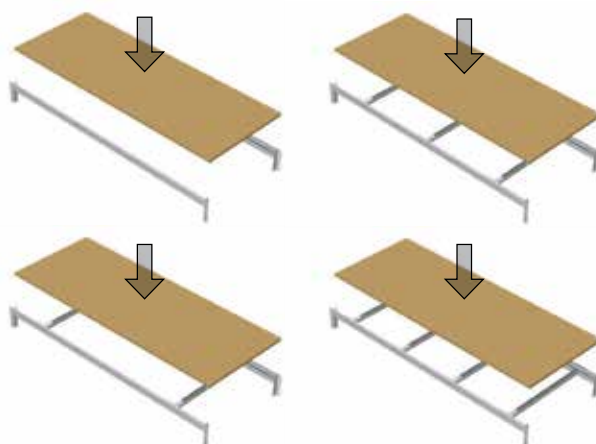
## Ermittlung der Belastung

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	



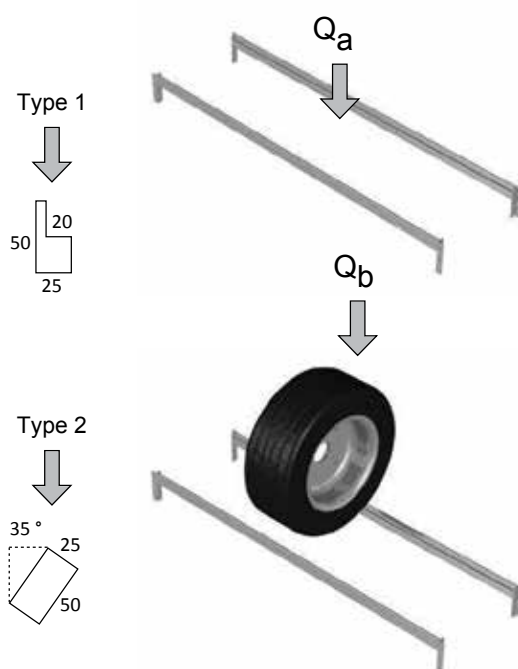
# Tube-50 System belastingstabel

Max. belasting per unit	Framehoogte (mm)	Vrije kniklengte (mm)	Max. belasting (kg)
		1700	500
2300	600	3800	
2500	800	3200	
2900	1100	2400	
	1400	1700	
	1800	1000	
	2100	600	
	2200	540	
	2500	540	
	2700	540	

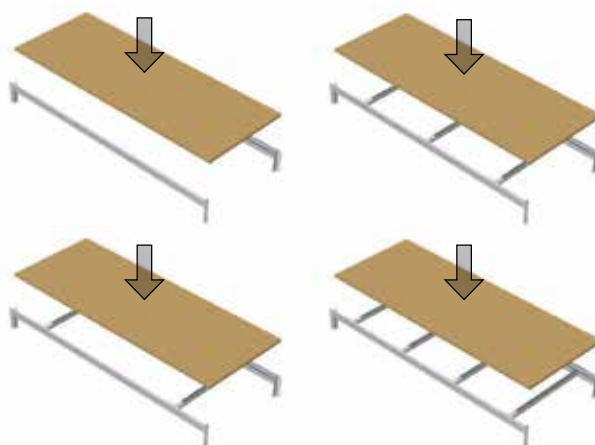
## Wijze van gebruik

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	280	360
	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	





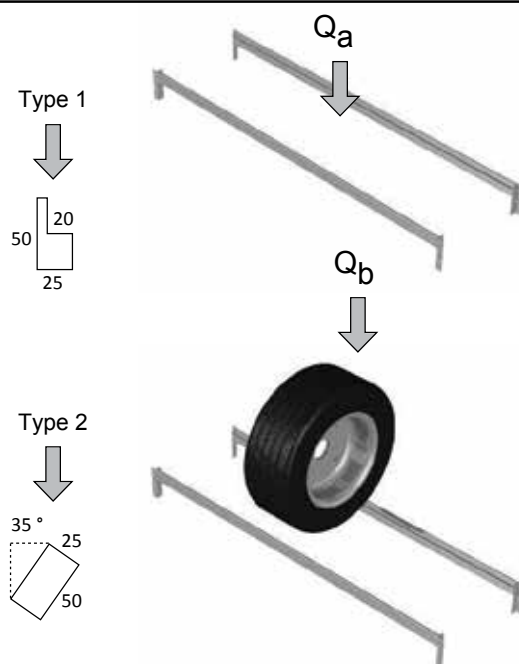
# Tube-50 System table de charge

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
		1700	1000
		2300	600
		2500	540
		2900	540

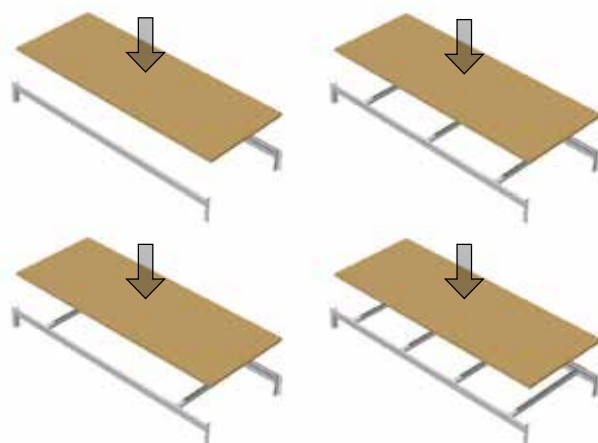
## Méthode d'utilisation

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'étagère.

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	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	



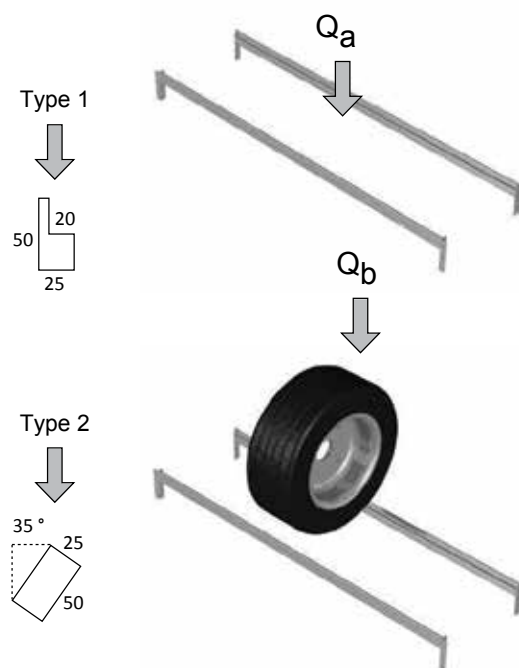
# Tube-50 System load table

Max. load per unit	Frame height (mm)	1700 2300 2500 2900	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			

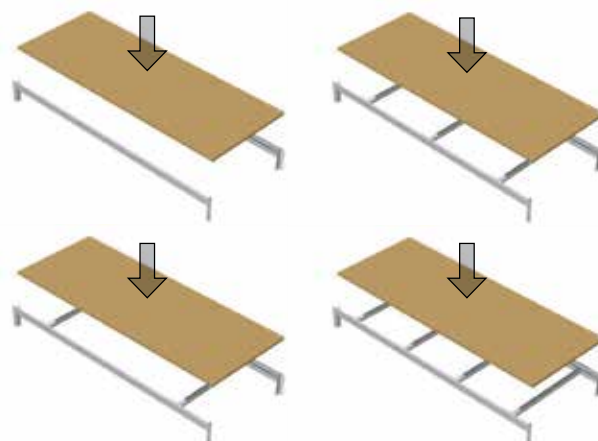
## Instructions

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 beampair (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	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	



Zubehör

Toebehoren

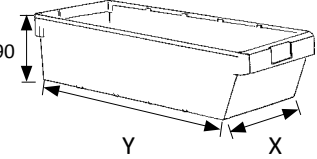
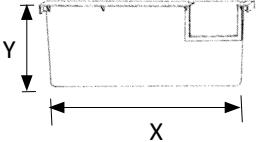
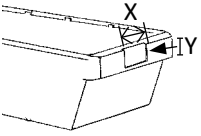
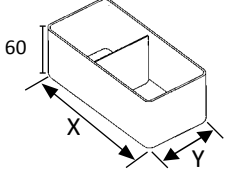
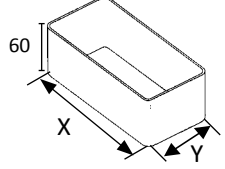
Accessoires

Accessories



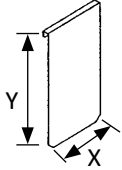
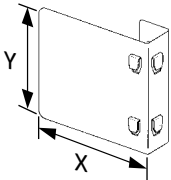
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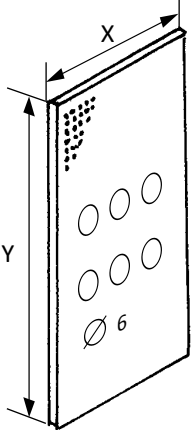
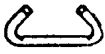
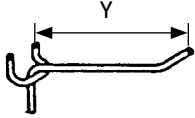

# Accessories

			Europe Racking Number		
			VPE / U.E. / P.U.	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	1	120 x 90	268-396	
	NL: Kunststof verdeelschot	1	240 x 90	268-397	
	D: Weiße Etiketten + Fenster	50	67 x 30	268-370	
	NL: Witte labels + vensters				
	F: Étiquettes blanches + cellophanes				
	E: White labels + covers				
	D: Kunststofbox geteilt	1	148 x 76	268-357	
	NL: Kunststof bak met schotje				
	F: Boîte plastique avec paroi				
	E: Plastic container with divider				
	D: Kunststofbox	1	148 x 76	268-366	
	NL: Kunststof bak zonder schotje				
	F: Boîte plastique sans paroi				
	E: Plastic container without divider				

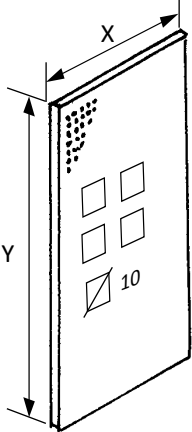
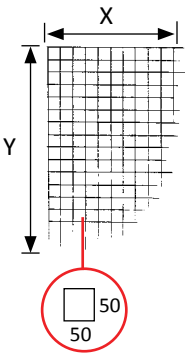
# Accessories

				Europe Racking Number
		VPE / U.E. / P.U.	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: Etiketleiste 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 étiquettes			
	E: Identification plate			
RAL 5009				
	D: Universalgangschild	1	100 x 90	266-264
	NL: Universeel lokatiebord	1	140 x 140	266-265
	F: Panneau location universal	1		
	E: Path identification universal			

# Accessories

				Europe Racking Number
				RAL 7035
		VPE / U.E. / P.U.	X x Y	
	D: Lochwand mit runden Löchern	1	300 x 2.000	266-004
	NL: Perfo bord met ronde gaten	1	400 x 2.000	266-005
	F: Panneau perforée trous ronds	1	450 x 2.000	266-006
	E: Perforated panel with round holes	1	500 x 2.000	266-007
		1	600 x 2.000	266-008
		1	750 x 2.000	266-009
		1	900 x 2.000	266-010
		1	300 x 2.250	266-086
		1	400 x 2.250	266-085
		1	450 x 2.250	266-082
		1	500 x 2.250	266-078
		1	600 x 2.250	266-083
		1	750 x 2.250	266-080
		1	800 x 2.250	266-081
		1	900 x 2.250	266-084
				Verzinkt/ Galvanisé / Galvanized
	D: Befestigungshaken für Lochwand T50	2		268-091
NL: Ophanghaak perfobord T50				
F: Crochets de fixation T50				
E: Hook for perforated panel T50				
	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				

# Accessories

			Europe Racking Number	
		VPE / U.E. / P.U.	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	1	968 x 2.453	266-598
	E: Mesh panel	1	968 x 2.853	266-603
		1	1.553 x 2.853	266-599

# Europe Racking N.V.

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[info@europe-racking.com](mailto:info@europe-racking.com)

**Europe Racking Switzerland  
& Austria**

Tel +31 85 486 9791

[www.europe-racking.de](http://www.europe-racking.de)

Ihr Kontakt:

**Für eine persönliche Beratung  
Lagerregale- und Betriebseinrichtungen**

**Markus W. Lämmlli**  
APF Services GmbH  
Schweizermattenstrasse 1  
4813 Uerkheim

Telefon: +41 79 384 83 33

E-Mail: [markus.laemmlli@europe-racking.com](mailto:markus.laemmlli@europe-racking.com)

