

4 LEAN

Standard Structures

Vol. IV



We Build Lean

■ Volume 4

- Part Straight Workstation
- Quality Control Workstation
- Quality Workstation
- Box Tilt Rolls Rack
- Box Straight Plate Wagon System
- Tool Cart
- Box Tilt Plate Rack
- Panel Cart
- Part Straight Packaging Workstation
- E-Commerce Carts
- Chair
- Box Base Wagon
- Container Base Wagon
- Container Tall Wagon
- Base Multishelve Wagon
- Maxi Pallet
- Trolley Tall Ramp Wagon
- Box Straight Plate Wagon Plus
- Quality Label for Structure Specifications

About us

4Lean is a company dedicated to the creation and implementation of Lean solutions. We have a vast knowledge in Lean, we are able to implement a full supply chain with our vast portfolio that is developed in our Lean Lab.

All organization practice Lean everyday. We have regular training in Lean and we participate in Kaizen Events to understand customer needs.

We believe our *gemba* is at customer site, we are a natural extension of your organization.

4Lean é uma empresa dedicada à criação e implementação de soluções Lean. Temos um vasto conhecimento em Lean, somos capazes de implementar uma cadeia de fornecimento completa com o nosso vasto portfólio que é desenvolvido no nosso Laboratório Lean.

Todos na organização praticam Lean diariamente. Temos uma formação regular em Lean e participamos em eventos Kaizen para entender as necessidades dos clientes.

Acreditamos que o nosso *gemba* está à vista do cliente, somos uma extensão natural da sua organização.

4Lean è una società dedicata alla creazione e implementazione di soluzioni di Lean. Abbiamo una vasta conoscenza in Lean e siamo in grado di implementare una catena di approvvigionamento grazie alla nostra vasta gamma sviluppata nel nostro Lean Lab.

Tutta la nostra organizzazione, pratica Lean tutti i giorni. Abbiamo formazione regolare in Lean e partecipiamo a cantieri Kaizen, eventi per capire al meglio i nostri clienti.

Crediamo che il nostro *gemba* è presso il cliente, siamo una naturale estensione della vostra organizzazione.

4Lean es una empresa dedicada a la creación e implementación de soluciones de Lean. Contamos con un amplio conocimiento en Lean, somos capaces de implementar una cadena de suministro completa con nuestro amplio catalogo que se desarrolla en nuestro Laboratorio de Lean.

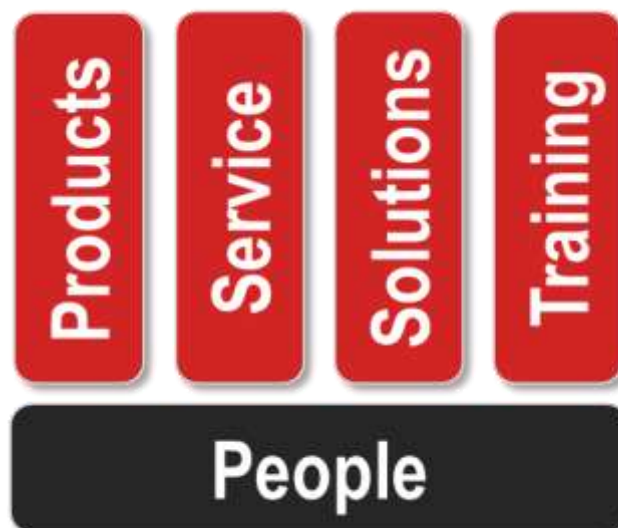
Todos en la organización practican Lean diariamente. Tenemos una formación regular en Lean y participamos en Kaizen Eventos para entender las necesidades del cliente.

Creemos que nuestra *gemba* está en el sitio del cliente, somos una extensión natural de su organización.

4Lean est une société dédiée à la création et la mise en œuvre de solutions Lean. Nous avons une vaste connaissance dans Lean, nous sommes capable de construire une chaîne d'approvisionnement complète avec notre vaste portefeuille qui est développée dans notre Lean Lab.

Tout l'organisation pratique Lean quotidienne. Nous avons régulièrement des formations Lean, nous participons à chantier Kaizen pour comprendre les besoins des clients.

Nous croyons que notre *gemba* est le site du client, nous sommes un prolongement naturel de votre organisation

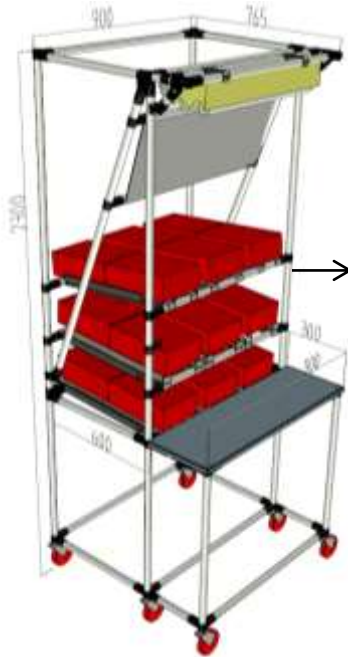


We Build Lean !

Part Straight Workstation

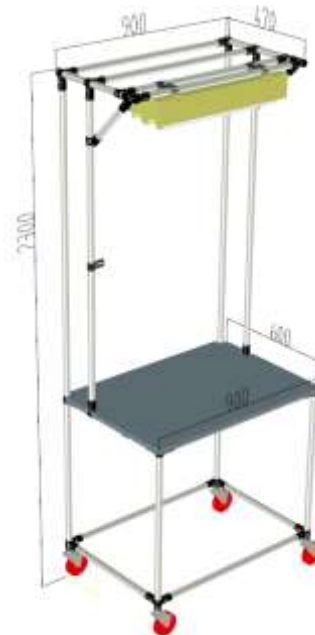
Flow

Max Load per Level 1mm pipe: 150kg
Max Load per Level 2mm pipe: 270kg



Box Dimensions (mm)
Width (Front): 200
Box Depth: 300
Height: 100

Part Straight Workstation Border of the line



Part Straight Workstation

Boxes not included

Structure Components

Componentes da estrutura / Componenti della struttura / Componenti della struttura / Composants de structure

Reference	Type	Pipe Dimensions	Pipe Colour	Description	Components		
PW01BL**	Kit	1 - $\varnothing$ 28*1.0 2 - $\varnothing$ 28*2.0	B	Plain Workstation Border of the line	JR-35BM	JR-35AM	RO4-105RT2
PW02BL**	Assembled		C		C-354BE		LED-A120
PW03BL**	Bulk Material		G				
PW01W**	Kit		Y	Plain Workstation			CHGALV15
PW02W**	Assembled		A				
PW03W**	Bulk Material		M				
			I ***				
			AL ****				

Reference



Pipe Dimensions



Pipe Colour

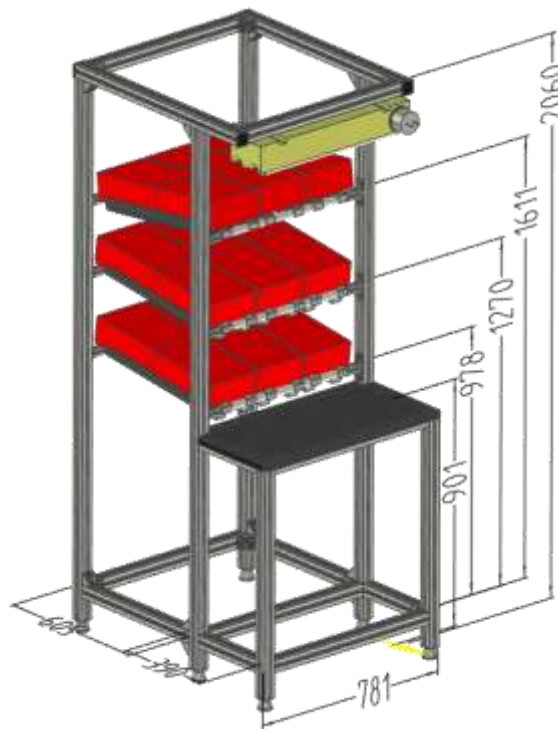
Ex.: PW01BL2B

****Aluminum 2mm pipe

Aluminio/ Alluminio /
Aluminio / Aluminium

***Stainless Steel 1mm pipe

Aço inoxidável / Acciaio inossidabile /
Acero inoxidable / Acier inoxydable



Max Load per Level 1mm pipe: 300kg
Max Load per Level 2mm pipe: 360kg

Box Dimensions (mm)
Width (Front): 200
Box Depth: 300
Height: 100

Part Straight Workstation Border of the line

Boxes not included

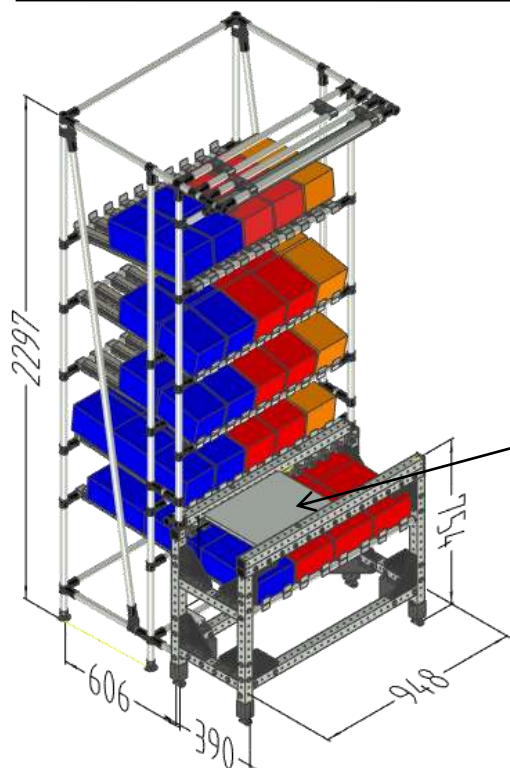
Structure Components								
Componentes da estrutura / Componenti della struttura / Componenti della struttura/ Composants de structure								
Reference	Type	Pipe Dimensions	Pipe Colour	Description	Components			
PWBAL01	Kit		ALUMINUM 	Plain Workstation Border of the line	T-2810C**	C-354BE	R-35B	PE-C3M 
PWBAL02	Assembled							LED-A060 
PWBAL03	Bulk Material*				JR-35AM	JR-35DM		

***LED-A060 not included**

Não incluído/ Non incluso /
No incluido/ Non inclus

****Available in other colors**

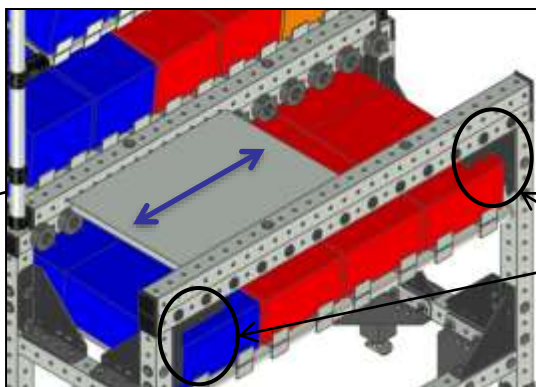
Disponível em outra cores /
Disponible en otros colores /
Disponibile in altri colori /
Disponible dans d'autres couleurs



Max Load per Level 1mm pipe: 120kg
Max Load per Level 2mm pipe: 200kg

Box Dimensions (mm)
Width (Front): 150
Box Depth: 200
Height: 120

Lateral Movement



JA-1RR

Box-Tilt-Shelve-Multi-Base-Rolls-Front-Rack

Boxes not included

Structure Components						
Componentes da estrutura / Componenti della struttura / Componenti della struttura / Composants de structure						
Reference	Type	Pipe Dimensions	Description	Components		
BRAA01	Kit	 40mm x 40mm	Box-Tilt-Shelve-Multi-Tall-Rolls-Front-Rack	T-2810C**	R-35B	PE-C2M
BRAA02	Assembled					
BRAA03	Bulk Material*			JR-35AM	JR-35BM	LED-A060
						
				JR-35HM		RL-48A
						

***LED-A060 not included**

Não incluído / Non incluso /
No incluido / Non inclus

****Available in other colors**

Disponível em outra cores /
Disponibile en otros colores /
Disponibile in altri colori /
Disponibile dans d'autres couleurs



Max Load per Level 1mm pipe: 400kg
Max Load per Level 2mm pipe: 800kg

Structure Components

Componentes da estrutura / Componenti della struttura / Componenti della struttura / Composants de structure

Reference	Type	Pipe Dimensions	Pipe Colour	Description	Components
QCW01**	Kit	1 - $\varnothing$ 28*1.0 2 - $\varnothing$ 28*2.0	B 	Quality Control Workstation	MDFLA16B 
QCW02**	Assembled		C 		B-QM1 
QCW03**	Bulk Material		G 		PE-C2M 
			Y 		
			A 		
			M 		
		I *** 			
		AL***** 			

Reference



Pipe Dimensions



Pipe Colour

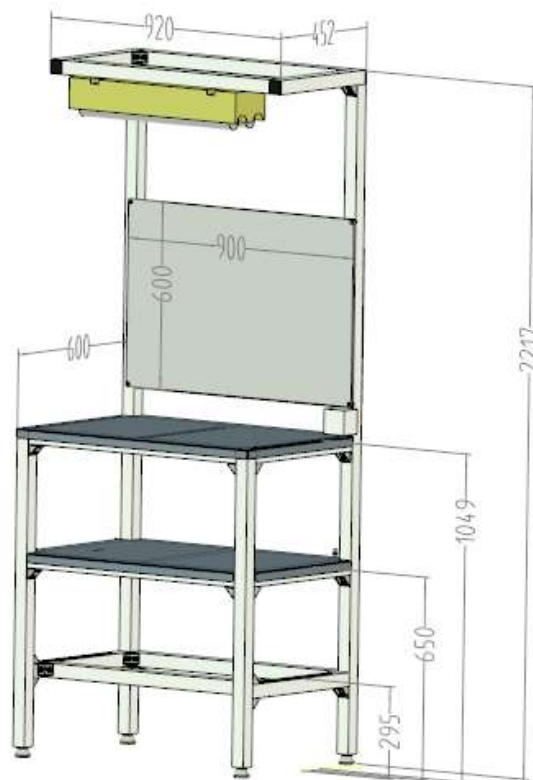
Ex.: QCW012B

****Aluminum 2mm pipe

Alumínio/ Alluminio /
Aluminio / Aluminium

***Stainless Steel 1mm pipe

Aço inoxidável / Acciaio inossidabile /
Acero inoxidable / Acier inoxydable



Max Load per Level pipe: 250kg

Structure Components

Componentes da estrutura / Componenti della struttura / Componenti della struttura / Composants de structure

Reference	Type	Pipe Dimensions	Pipe Colour	Description	Components
QWAL01	Kit	45mm x 45mm	AL	Quality Workstation	Bended metal sheet PE-C3M
QWAL02	Assembled				B-QM1
QWAL03	Bulk Material*				LED-A060

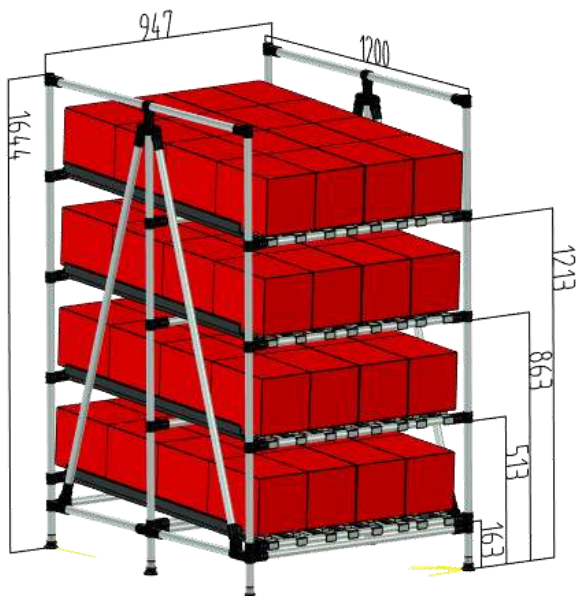
***LED-A060 not included**

Não incluído/ Non incluso /
No incluido/ Non inclus

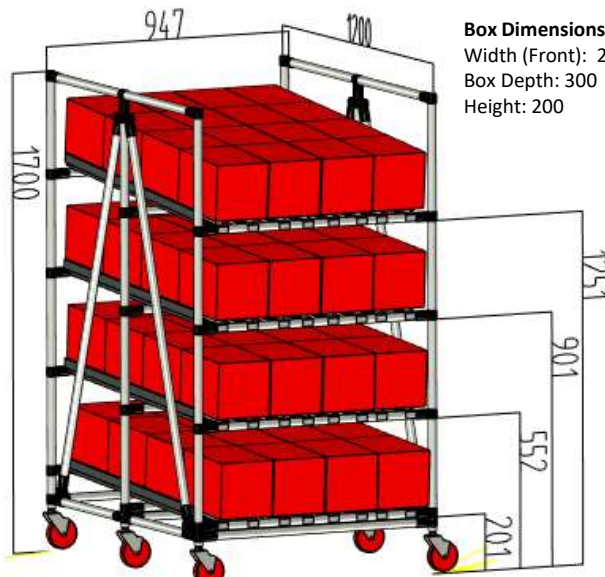
Box Tilt Rolls Rack

Flow

Max Load per Level 1mm pipe: 186kg
Max Load per Level 2mm pipe: 339kg



Box Tilt Rolls Rack



Box Tilt Rolls Cart

Box Dimensions (mm)
Width (Front): 200
Box Depth: 300
Height: 200

Boxes not included

Structure Components

Componentes da estrutura / Componenti della struttura / Componenti della struttura / Composants de structure

Reference	Type	Pipe Dimensions	Pipe Colour	Description	Components	
BTR01R**	Kit	1 - 28*1.0 2 - 28*2.0	B	Box Tilt Rolls Rack	PE-C2M 	C-354BE R-35B
BTR02R**	Assembled		C			
BTR03R**	Bulk Material		G			
BTR01C**	Kit		Y	Box Tilt Rolls Cart	RO4-105RT2 	JR-35AM JR-35BM
BTR02C**	Assembled		A			
BTR03C**	Bulk Material		M			
			I ***			
			AL ***			

****Aluminum 2mm pipe

Alumínio/ Alluminio /
Aluminio / Aluminium

***Stainless Steel 1mm pipe

Aço inoxidável / Acciaio inossidabile /
Acero inoxidable / Acier inoxydable

Reference



Pipe Dimensions

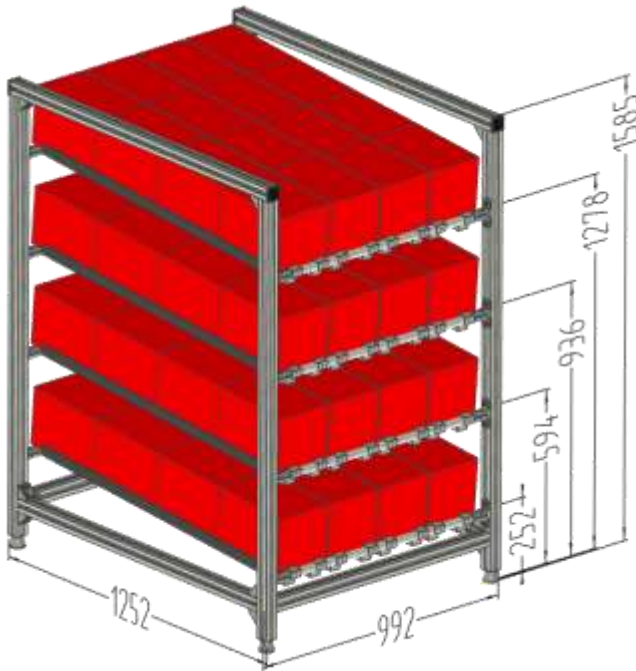


Pipe Colour

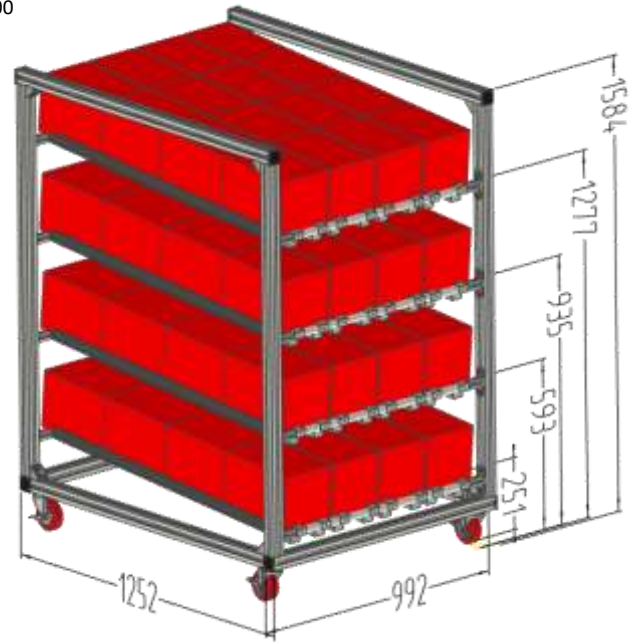
Ex.: BTR01R2B

Box Dimensions (mm)
 Width (Front): 200
 Box Depth: 300
 Height: 200

Max Load per Level 1mm pipe: 130kg
 Max Load per Level 2mm pipe: 230kg



Box Tilt Rolls Rack - BTRRAL



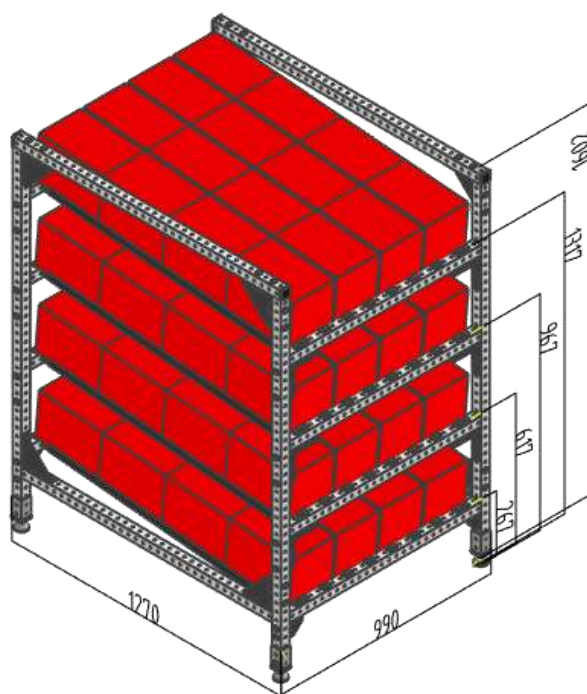
Box Tilt Rolls Cart - BTRCAL

Boxes not included

Structure Components						
Componentes da estrutura / Componenti della struttura / Componenti della struttura/ Composants de structure						
Reference	Type	Pipe Dimensions	Pipe Colour	Description	Components	
BTRRAL01	Kit	 45mm x 45mm	 ALUMINUM	Box Tilt Rolls Rack	PE-C3M	T-2810C* C-354BE R-35B
BTRRAL02	Assembled					  
BTRRAL03	Bulk Material					
BTRCAL01	Kit			Box Tilt Rolls Cart	RO4-105RT1	JR-35AM JR-35DM
BTRCAL02	Assembled					 
BTRCAL03	Bulk Material					

***Available in other colors**

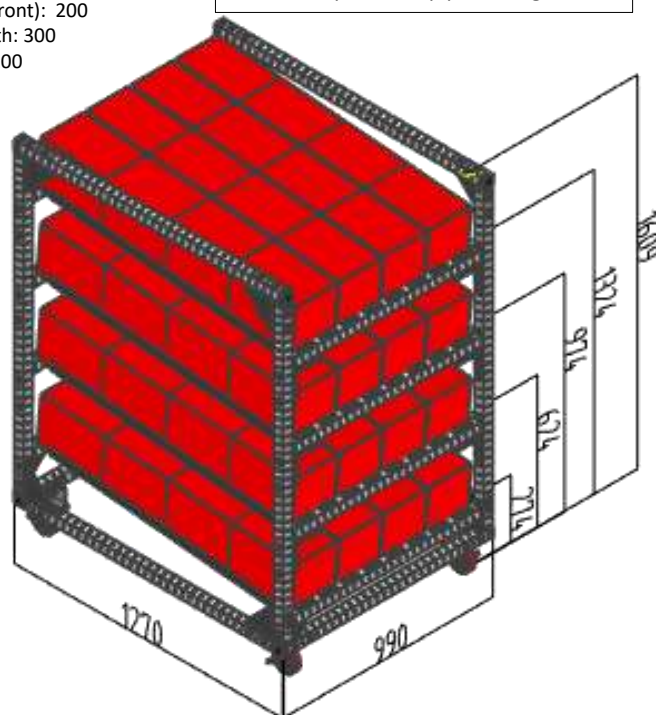
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 Disponible en otros colores /
 Disponibile in altri colori /
 Disponible dans d'autres couleurs



Box Tilt Rolls Rack - BTRRM

Box Dimensions (mm)
Width (Front): 200
Box Depth: 300
Height: 200

Max Load per Level pipe: 336kg



Box Tilt Rolls Cart - BTRCM

Boxes not included

Structure Components						
Componentes da estrutura / Componenti della struttura / Componenti della struttura / Composants de structure						
Reference	Type	Pipe Dimensions	Pipe Colour	Description	Components	
BTRRM01	Kit	40mm x 40mm	Galvanized	Box Tilt Rolls Rack	PE-C3M	C-404BE R-40B
BTRRM02	Assembled					 
BTRRM03	Bulk Material					
BTRCM01	Kit			Box Tilt Rolls Cart	RO4-200FRB	JR-AMM JR-DMM
BTRCM02	Assembled					 
BTRCM03	Bulk Material					

***Available in other colors**

Disponível em outra cores /
Disponible en otros colores /
Disponibile in altri colori /
Disponible dans d'autres couleurs

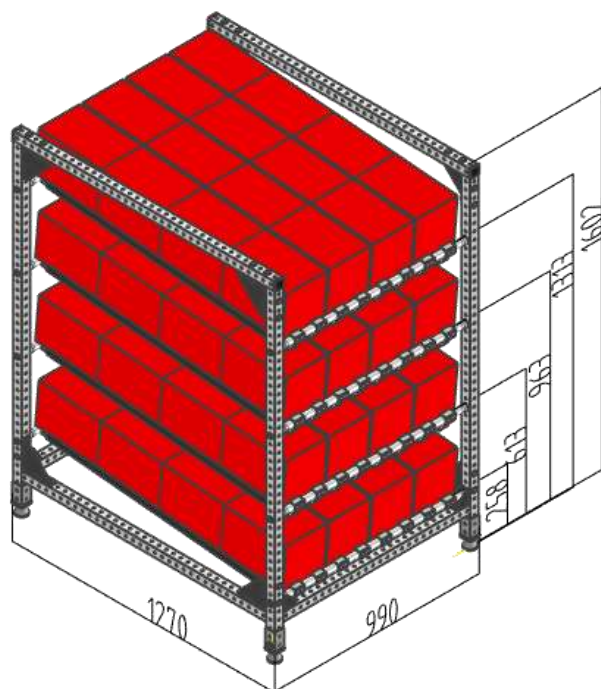
Box Dimensions (mm)

Width (Front): 200

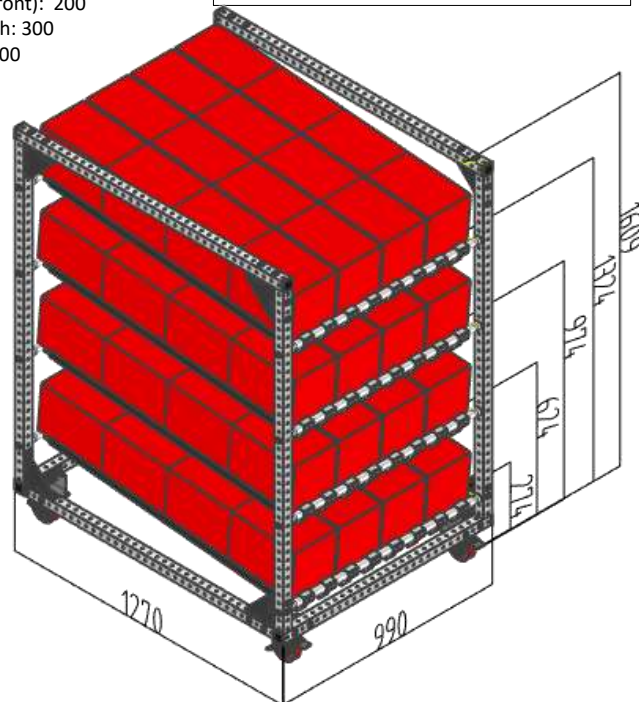
Box Depth: 300

Height: 200

Max Load per Level pipe: 189kg



Box Tilt Rolls Rack - BTRRMS



Box Tilt Rolls Cart - BTRCMS

Boxes not included

Structure Components

Componentes da estrutura / Componenti della struttura / Componenti della struttura / Composants de structure

Reference	Type	Pipe Dimensions	Pipe Colour	Description	Components		
BTRRMS01	Kit	40 x 40mm 	Galvanized 	Box Tilt Rolls Rack	PE-C3M 	C-404BE 	R-40B 
BTRRMS02	Assembled						
BTRRMS03	Bulk Material						
BTRCMS01	Kit	28 x 2.0 mm 	Grey 	Box Tilt Rolls Cart	RO4-200FRB 	JR-AM 	JR-DM 
BTRCMS02	Assembled						
BTRCMS03	Bulk Material						

*Available in other colors

Disponível em outra cores /
 Disponible en otros colores /
 Disponibile in altri colori /
 Disponible dans d'autres couleurs

Box Straight Plate Wagon System

Flow

Max Load per Level 1mm pipe: 130kg
Max Load 1mm pipe: 315kg
Max Load per Level 2mm pipe: 250kg
Max Load 2mm pipe: 315kg

Box Dimensions (mm)

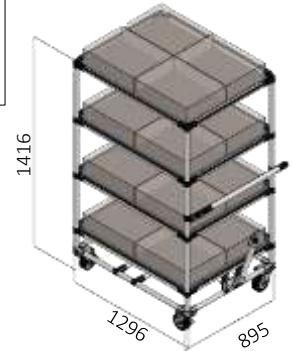
Width (Front): 400
Box Depth: 300
Height: 150



Max Load per Level 1mm pipe: 44kg
Max Load 2mm pipe: 176kg
Max Load per Level 2mm pipe: 78g
Max Load 2mm pipe: 312g

Box Dimensions (mm)

Width (Front): 600
Box Depth: 400
Height: 234



Boxes not included

Structure Components									
Componentes da estrutura / Componenti della struttura / Componenti della struttura/ Composants de structure									
Reference	Type	Pipe Dimensions	Pipe Colour	Description	Components				
BSPW01S*	Kit	800x600	1 -  28*1.0 2 -  28*2.0	B  C  G  Y  A  M  I ***  AL**** 	RO4-105RT1  RO4-105F1 				
BSPW02S*	Assembled								
BSPW03S*	Raw Material								
BSPW01A*	Kit						RO4-200AF  RO4-200AR 		
BSPW02A*	Assembled								
BSPW03A*	Raw Material								
BSPW04S*	Kit	1200x800					RO4-105RT1  RO4-105F1 		
BSPW05S*	Assembled								
BSPW06S*	Raw Material								
BSPW04A*	Kit							RO4-200AF  RO4-200AR 	
BSPW05A*	Assembled								
BSPW06A*	Raw Material								

***Stainless Steel 1mm pipe

Aço inoxidável / Acciaio inossidabile / Acero inoxidable / Acier inoxydable

****Aluminum 2mm pipe

Alumínio/ Alluminio / Aluminium / Aluminium



Maximum use 1 hour continuously ****

Uso máximo 1 hora continuamente / Uso máximo 1 hora continuamente / Utilizzo massimo 1 ora in modo continuato / Utilisation maximale 1 heure en continu

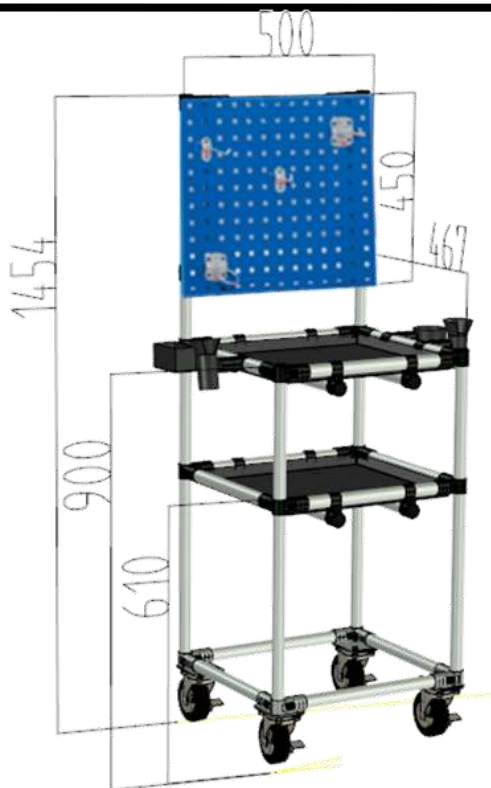
****Use over one hour choose RO4-200

Utilização superior a 1 hora optar por RO4-200/ Utilizzare oltre 1'ora optare per RO4-200 / Uso superior a 1hora optar por RO4-200 / Utilisez plus d'une heure optez pour RO4-200

Reference + Pipe Dimensions + Pipe Colour

Ex.: BSPC01S2B

Tool Cart



Max Load Structure 1mm pipe: 315kg
Max Load Structure 2mm pipe: 315kg

Structure Components

Componentes da estrutura / Componenti della struttura / Componenti della struttura / Composants de structure

Reference	Type	Pipe Dimensions	Pipe Colour	Components			
TC01*	Kit	1 - $\varnothing$ 28*1.0 2 - $\varnothing$ 28*2.0	B	TO-01R5015 	C-TH07L 	C-TH11 	RO4-105T1
TC02*	Assembled		C				
			G				
			Y	TOS-003 	C-TH05 	C-TH07LE 	CHGALV15
			A				
			M				
TC03*	Raw Material		I ***				
			AL ****				

**** Aluminum 2mm pipe

Alumínio/ Alluminio /
Aluminio / Aluminium

***Stainless Steel 1mm pipe

Aço inoxidável / Acciaio inossidabile /
Acero inoxidable / Acier inoxydable

Reference



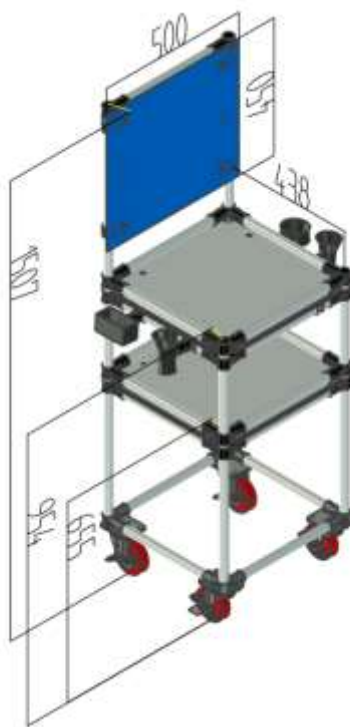
Pipe Dimensions



Pipe Colour

Ex.: TC011B

Tool Cart



Max Load Structure 1mm pipe: 315kg
Max Load Structure 2mm pipe: 315kg

Structure Components				
Componentes da estrutura / Componenti della struttura / Componenti della struttura/ Composants de structure				
Reference	Type	Pipe Dimensions	Pipe Colour	Components
TCB01*	Kit	1 - $\varnothing$ 28*1.0 2 - $\varnothing$ 28*2.0	B 	TO-01R5015 C-TH07L C-TH11 RO4-105T1
TCB02*	Assembled		C 	
			G 	
			Y 	
			A 	
			M 	
TCB03*	Raw Material		I *** 	TOS-003 C-TH05 C-TH07LE HDF10MB
			AL **** 	

****Aluminum 2mm pipe

Alumínio/ Alluminio /
Aluminio / Aluminium

***Stainless Steel 1mm pipe

Aço inoxidável / Acciaio inossidabile /
Acero inoxidable / Acier inoxydable

Reference



Pipe Dimensions



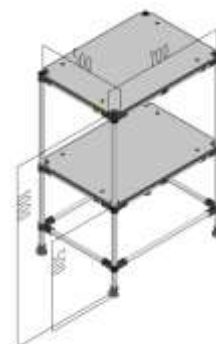
Pipe Colour

Ex.: TCB011B

Support Table



Max Load per Level : 100kg



Single Level Medium Support Table

Multi Level Tall Support Table

Structure Components									
Componentes da estrutura / Componenti della struttura / Componenti della struttura/ Composants de structure									
Reference	Type	Dimensions	Height	Pipe Dimensions	Pipe Colour	Description	Components		
STSM01*	Kit	500x700	750	1 - $\varnothing$ 28*1.0 2 - $\varnothing$ 28*2.0	B	Single Level Medium Support Table	PE-C2M 		
STSM02*	Assembled				C				
STSM03*	Raw Material				C				
STM01*	Kit		1000		1 - $\varnothing$ 28*1.0 2 - $\varnothing$ 28*2.0	G	Multi Level Tall Support Table	HDF10MB 	
STM02*	Assembled					Y			
STM03*	Raw Material					A			
STST01*	Kit					M	I ***		Single Level Tall Support Table
STST02*	Assembled					AL****			
STST03*	Raw Material								

***Stainless Steel 1mm pipe

Aço inoxidável / Acciaio inossidabile / Acero inoxidable / Acier inoxydable

****Aluminum 2mm pipe

Alumínio / Alluminio / Aluminio / Aluminium

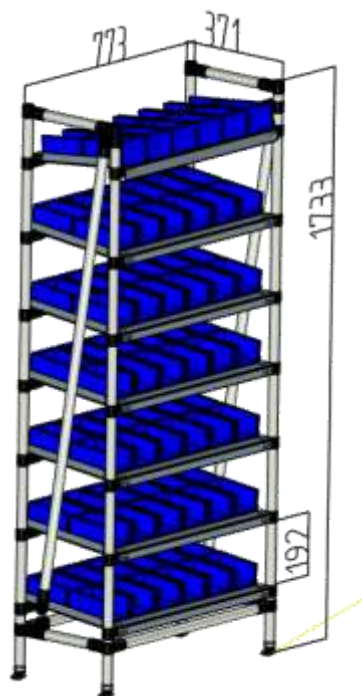
Reference + Pipe Dimensions + Pipe Colour

Ex.: STSM012B

Box Tilt Plate Rack

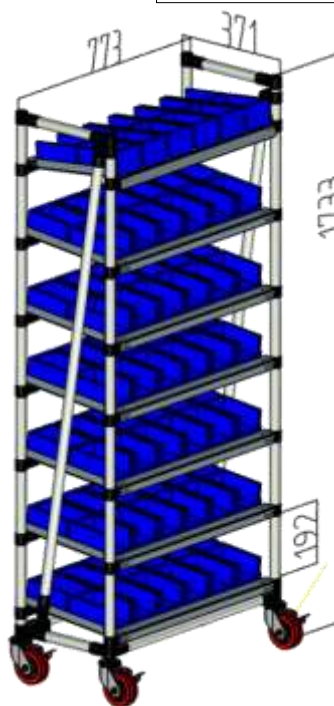
Flow

Max Load per Level 1mm pipe: 45kg
Max Load : 315kg



Box Tilt Plate Rack

Box Dimensions (mm)
Width (Front): 105
Box Depth: 150
Height: 75

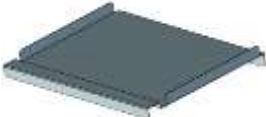


Box Tilt Plate Cart

Boxes not included

Structure Components

Componentes da estrutura / Componenti della struttura / Componenti della struttura / Composants de structure

Reference	Type	Pipe Dimensions	Pipe Colour	Description	Components	
BTPR01*	Kit	1 -  28*1.0	B 	Box Tilt Rolls Rack	PE-C2M 	 CHGALV15
BTPR02*	Assembled		C 			
BTPR03*	Bulk Material		G 			
			Y 	Box Tilt Rolls Cart	RO4-105RT2 	
BTPC01*	Kit		A 			
BTPC02*	Assembled		M 			
BTPC03*	Bulk Material		I *** 			
		AL**** 				

**** Aluminum 2mm pipe

Alumínio/ Alluminio /
Aluminio / Aluminium

***Stainless Steel 1mm pipe

Aço inoxidável / Acciaio inossidabile /
Acero inoxidable / Acier inoxydable

Reference

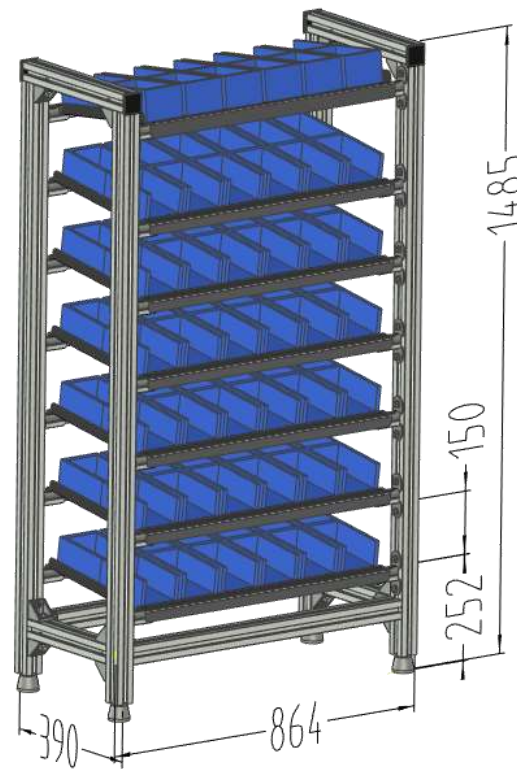


Pipe Colour

Ex.: BTPR01B

Box Tilt Plate Rack Aluminum

Flow



Max Load per level: 10kg
Max Load : 70kg

Box Dimensions (mm)

Width (Front): 105

Box Depth: 150

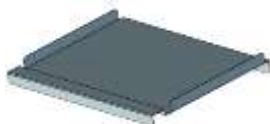
Height: 75

Box Tilt Plate Rack

Boxes not included

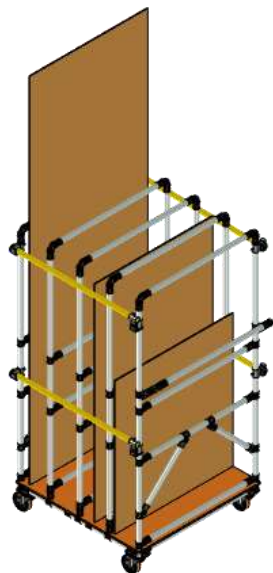
Structure Components

Componentes da estrutura / Componenti della struttura / Componenti della struttura / Composants de structure

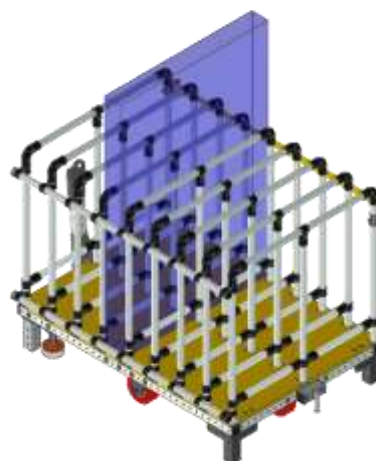
Reference	Type	Pipe Dimensions	Pipe Colour	Description	Components	
BTPAL01	Assembled		ALUMINUM 	Box Tilt Rolls Rack	PE-C3M	CHGALV15
BTPAL02	Kit					
BTPAL03	Bulk Material					T-2810C* 

*Available in other colors

Disponível em outra cores /
 Disponible en otros colores /
 Disponibile in altri colori /
 Disponible dans d'autres couleurs



P-C01



P-C02

Panel Cart					
Reference	Type	Pipe Dimensions	Pipe Colour	Description	Components
P-C01*	28*	B  C  G  Y  A  M  I **  AL *** 	800x800	Height: 900-2400 Width: < 800	166
P-C02*			1200x800	Height: > 1200 Width: < 800	106

Reference + Colour

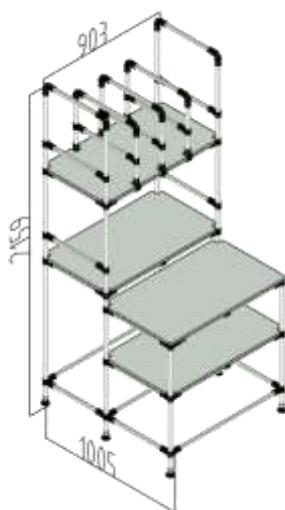
Ex.: P-C01B

**Stainless Steel

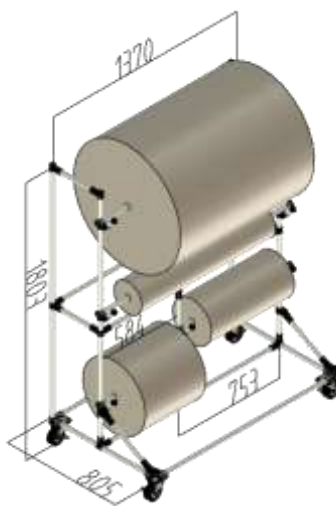
Aço inoxidável / Acciaio inossidabile /
Acero inoxidable / Acier inoxydable

***Aluminum

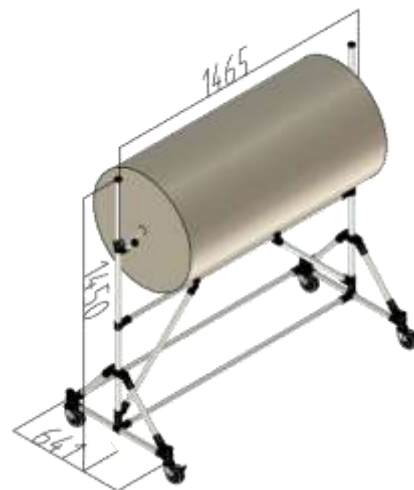
Alumínio / Alluminio / Aluminium / Aluminum



PSP-W01



PSP-W02



PSP-W03

Part Straight Packaging Workstation		
Reference	Pipe Dimension	Pipe Colour
PSP-W01*	ø 28*	B
PSP-W02*		C
PSP-W03*		G
		Y
		A
		M
		I**
		AL***

****Stainless Steel**

Aço inoxidável / Acciaio inossidabile /
Acero inoxidable / Acier inoxydable

*****Aluminum**

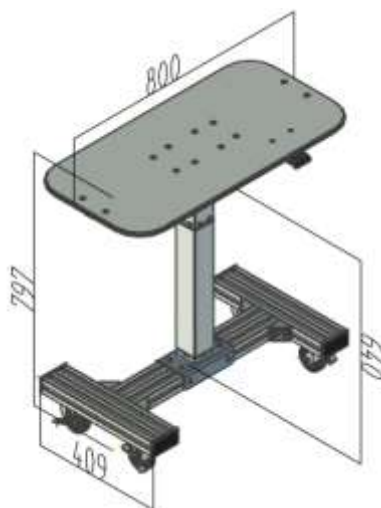
Alumínio/ Alluminio /Aluminio / Aluminium

Reference



Colour

Ex.: **PSP-W01B**



APWL-TBL3

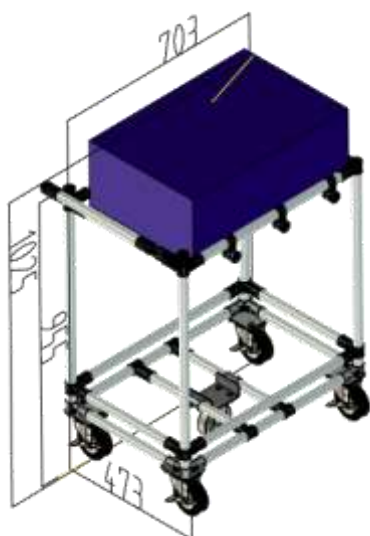
Adjustable Packaging Workstation					
Reference	Type of Lifting System	Lifting System Range (mm)	Lifting System Compressed length (mm)	Lifting System	Type of pipe
APW	L-TBL1	215	440		 T-9045AL2
	L-TBL2	290	525		
	L-TBL3	400	640		

Reference

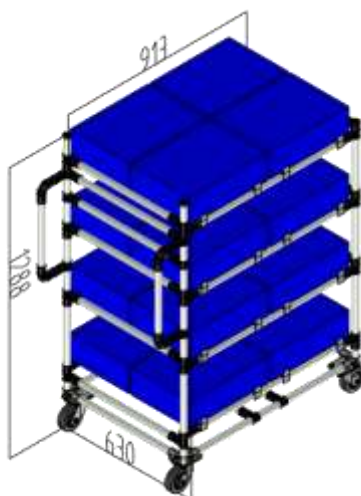


Type of Lifting System

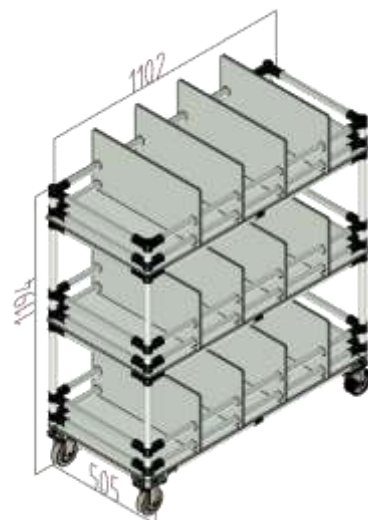
Ex.: **APWL-TBL1**



E-CC01



E-CC02



E-CC03

E-Commerce Carts		
Reference	Pipe Dimension	Pipe Colour
E-CC01*	ø 28*	B
E-CC02*		C
E-CC03*		G
		Y
		A
		M
		I **
		AL ***

****Stainless Steel**

Aço inoxidável / Acciaio inossidabile /
Acero inoxidable / Acier inoxydable

*****Aluminum**

Alumínio / Alluminio / Aluminium / Aluminum

Reference



Colour

Ex.: E-CC01B

Chair with structure

Cadeira com estrutura / Sedia com struttura / Silla com estructura / Chaise avec structure

BES-01 *

BES-02 *

BES-03 *



*** Casters RO3-60R2**

Rodízios RO3-60R2 / Rulli RO3-60R2 /
Ruedas RO3-60R2 / Roulettes RO3-60R2



*** Casters RO4-80R2**

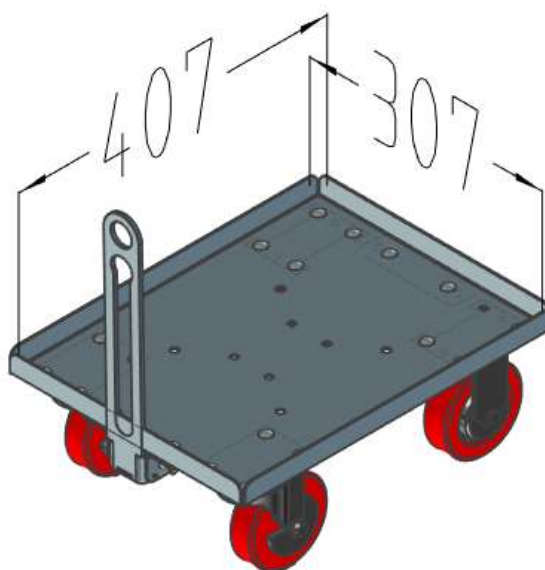
Rodízios RO4-R2 / Rulli RO4-R2 / Ruedas
RO4-R2 / Roulettes RO4-R2



*** Casters RO4-105R2**

Rodízios RO4-105R2 / Rulli RO4-105R2 / Ruedas
RO4-105R2 / Roulettes RO4-105R2

Mini
Wagon



MiniWagon							
Reference	Description	Wagon weight (Kg)	Max Load (Kg)	Max. ergon. Load (15kg) (Kg)	Casters	Height (mm)	Casters configuration (mm)
MINW2-240	MiniWagon 400 x 300 mm	5	240	240*	RO4-80	122	
MINW2-315		6	315	315*	RO4-105	131	
MINW2-180**		4	180	180*	R03-60R1	98	

*** Values obtained in smooth and unobstructed ground, with distributed load and wheels at 90° with the direction of movement.**

Valores obtidos em chão liso e sem obstáculos, com carga distribuída e rodas a 90° com a direcção de movimento.

Valori ottenuti in terra liscia e non ostruita, con carico distribuito e ruote a 90° con la direzione di movimento.

Valores obtenidos en suelo liso y sin obstáculos, con carga distribuida y ruedas a 90° con la dirección de movimiento.

Valeurs obtenues dans un sol lisse et dégagé, avec une charge répartie et des roues à 90 ° avec la direction du mouvement.

**** Arm and pin not included.**

Braço e pino não incluídos.

Braccio e spillo non inclusi.

Braço y perno no incluidos.

Bras et goupille non inclus.

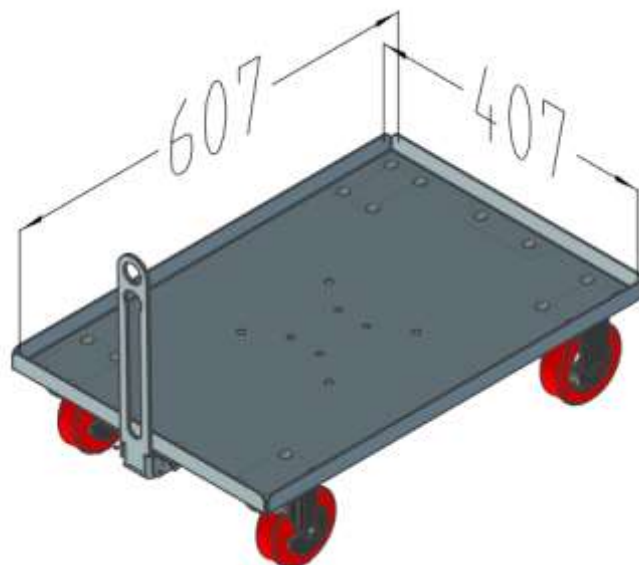
*****Useful dimension.**

Dimensões uteis.

Dimensioni utili.

Dimensiones útiles.

Dimensions utiles.



Mini
Wagon

MiniWagon							
Reference	Description	Wagon weight (Kg)	Max Load (Kg)	Max. ergon. Load (15kg) (Kg)	Casters	Height (mm)	Casters configuration (mm)
MINW-240	MiniWagon 600 x 400 mm	7	240	240*	RO4-80	122	
MINW-315		8,5	315	315*	RO4-105	131	
MINW-180**		6	180	180*	R03-60R1	98	

*** Values obtained in smooth and unobstructed ground, with distributed load and wheels at 90° with the direction of movement.**

Valores obtidos em chão liso e sem obstáculos, com carga distribuída e rodas a 90° com a direcção de movimento.

Valori ottenuti in terra liscia e non ostruita, con carico distribuito e ruote a 90° con la direzione di movimento.

Valores obtenidos en suelo liso y sin obstáculos, con carga distribuida y ruedas a 90° con la dirección de movimiento.

Valeurs obtenues dans un sol lisse et dégagé, avec une charge répartie et des roues à 90 ° avec la direction du mouvement.

**** Arm and pin not included.**

Braço e pino não incluídos.

Braccio e spillo non inclusi.

Brazo y perno no incluidos.

Bras et goupille non inclus.

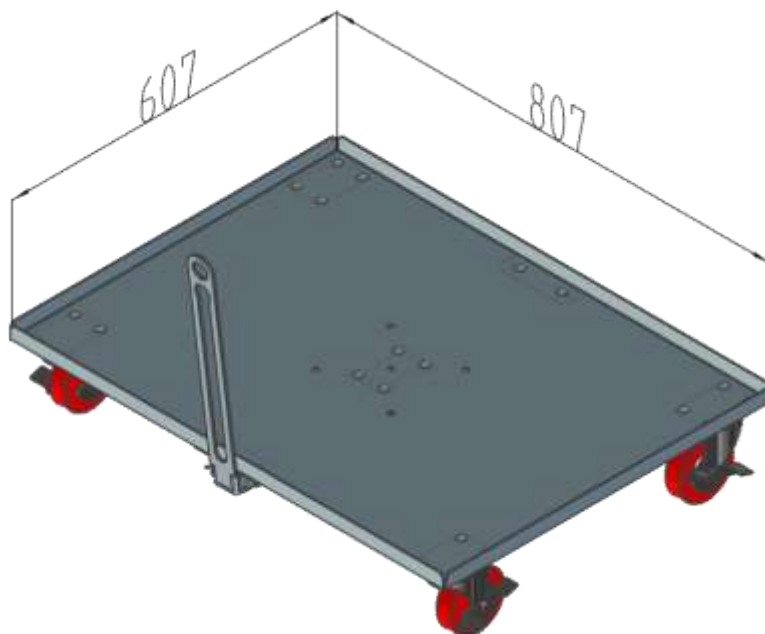
*****Useful dimension.**

Dimensões uteis.

Dimensioni utili.

Dimensiones útiles.

Dimensions utiles.



Mini
Wagon



MiniWagon							
Reference	Description	Wagon weight (Kg)	Max Load (Kg)	Max. ergon. Load (15kg) (Kg)	Casters	Height (mm)	Casters configuration (mm)
MINW3-240	MiniWagon 600 x 800 mm	10	240	240*	RO4-80	122	
MINW3-315		11,5	315	315*	RO4-105	131	
MINW3-180**		9	180	180*	R03-60R1	98	

*** Values obtained in smooth and unobstructed ground, with distributed load and wheels at 90° with the direction of movement.**

Valores obtidos em chão liso e sem obstáculos, com carga distribuída e rodas a 90° com a direção de movimento.

Valori ottenuti in terra liscia e non ostruita, con carico distribuito e ruote a 90° con la direzione di movimento.

Valores obtenidos en suelo liso y sin obstáculos, con carga distribuida y ruedas a 90° con la dirección de movimiento.

Valeurs obtenues dans un sol lisse et dégagé, avec une charge répartie et des roues à 90 ° avec la direction du mouvement.

**** Arm and pin not included.**

Braço e pino não incluídos.

Braccio e spillo non inclusi.

Brazo y perno no incluidos.

Bras et goupille non inclus.

*****Useful dimension.**

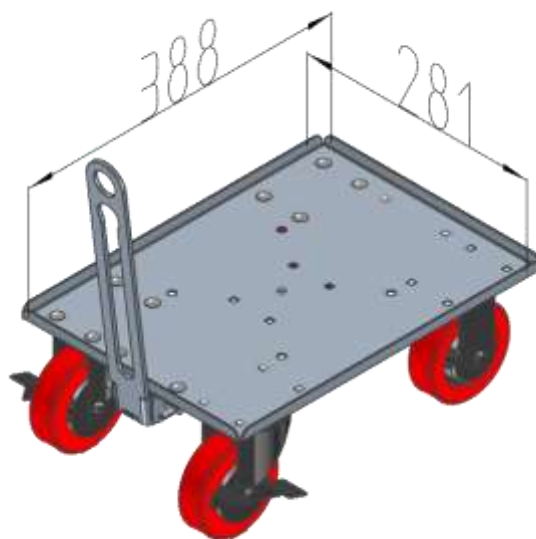
Dimensões úteis.

Dimensioni utili.

Dimensiones útiles.

Dimensions utiles.

Mini
Wagon



MiniWagon							
Reference	Description	Wagon weight (Kg)	Max Load (Kg)	Max. ergon. Load (15kg) (Kg)	Casters	Height (mm)	Casters configuration (mm)
MINWI2-240	MiniWagon 385 x 278 mm (Inner edge support)	5	240	240*	RO4-80	122	
MINWI2-315		6,5	315	315*	RO4-105	131	
MINWI2-180**		4	180	180*	R03-60R1	98	

*** Values obtained in smooth and unobstructed ground, with distributed load and wheels at 90° with the direction of movement.**

Valores obtidos em chão liso e sem obstáculos, com carga distribuída e rodas a 90° com a direcção de movimento.

Valori ottenuti in terra liscia e non ostruita, con carico distribuito e ruote a 90° con la direzione di movimento.

Valores obtenidos en suelo liso y sin obstáculos, con carga distribuida y ruedas a 90° con la dirección de movimiento.

Valeurs obtenues dans un sol lisse et dégagé, avec une charge répartie et des roues à 90 ° avec la direction du mouvement.

**** Arm and pin not included.**

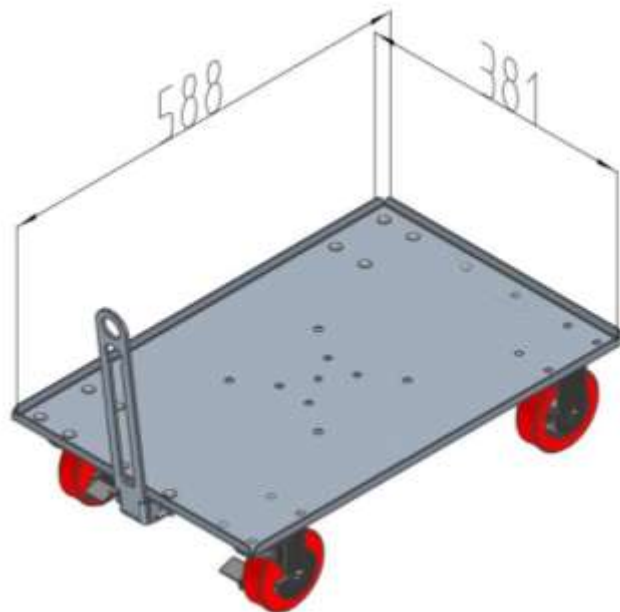
Braço e pino não incluídos.
Braccio e spillo non inclusi.
Brazo y perno no incluidos.
Bras et goupille non inclus.

***** Compatible with KLT and Euro boxes (400 x 300 mm)**

Compatível com caixas KLT e Euro (400 x 300 mm).
Compatibile con scatole KLT ed Euro (400 x 300 mm).
Compatible con cajas KLT y Euro (400 x 300 mm).
Compatible avec les boîtiers KLT et Euro (400 x 300 mm).



MWagon



Mini
Wagon



MiniWagon							
Reference	Description	Wagon weight (Kg)	Max Load (Kg)	Max. ergon. Load (15kg) (Kg)	Casters	Height (mm)	Casters configuration (mm)
MINWI1-240	MiniWagon 585 x 378 mm (Inner edge support)	7	240	240*	RO4-80	122	
MINWI1-315		8,5	315	315*	RO4-105	131	
MINWI1-180**		6	180	180*	R03-60R1	98	

*** Values obtained in smooth and unobstructed ground, with distributed load and wheels at 90° with the direction of movement.**

Valores obtidos em chão liso e sem obstáculos, com carga distribuída e rodas a 90° com a direcção de movimento.

Valori ottenuti in terra liscia e non ostruita, con carico distribuito e ruote a 90° con la direzione di movimento.

Valores obtenidos en suelo liso y sin obstáculos, con carga distribuida y ruedas a 90° con la dirección de movimiento.

Valeurs obtenues dans un sol lisse et dégagé, avec une charge répartie et des roues à 90 ° avec la direction du mouvement.

**** Arm and pin not included.**

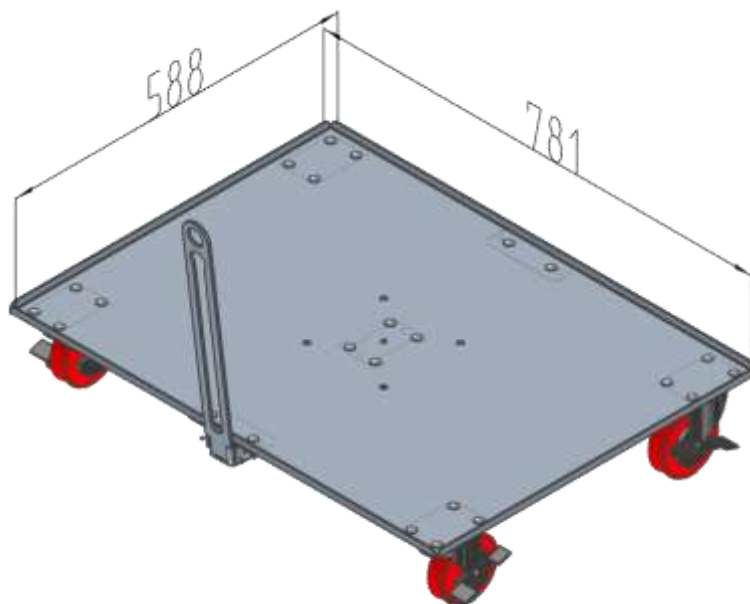
Braço e pino não incluídos.
Braccio e spillo non inclusi.
Brazo y perno no incluidos.
Bras et goupille non inclus.

***** Compatible with KLT and Euro boxes (600 x 400 mm)**

Compatível com caixas KLT e Euro (600 x 400 mm).
Compatibile con scatole KLT ed Euro (600 x 400 mm).
Compatible con cajas KLT y Euro (600 x 400 mm).
Compatible avec les boîtiers KLT et Euro (600 x 400 mm).



MWagon



Mini
Wagon



MiniWagon							
Reference	Description	Wagon weight (Kg)	Max Load (Kg)	Max. ergon. Load (15kg) (Kg)	Casters	Height (mm)	Casters configuration (mm)
MINWI3-240	MiniWagon 585 x 778 mm (Inner edge support)	10	240	240*	RO4-80	122	
MINWI3-315		11,5	315	315*	RO4-105	131	
MINWI3-180**		9	180	180*	R03-60R1	98	

*** Values obtained in smooth and unobstructed ground, with distributed load and wheels at 90° with the direction of movement.**

Valores obtidos em chão liso e sem obstáculos, com carga distribuída e rodas a 90° com a direção de movimento.

Valori ottenuti in terra liscia e non ostruita, con carico distribuito e ruote a 90° con la direzione di movimento.

Valores obtenidos en suelo liso y sin obstáculos, con carga distribuida y ruedas a 90° con la dirección de movimiento.

Valeurs obtenues dans un sol lisse et dégagé, avec une charge répartie et des roues à 90 ° avec la direction du mouvement.

**** Arm and pin not included.**

Braço e pino não incluídos.
Braccio e spillo non inclusi.
Brazo y perno no incluidos.
Bras et goupille non inclus.

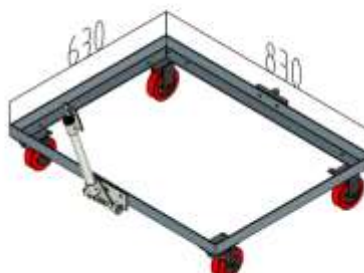
***** Compatible with KLT and Euro boxes (800 x 600 mm)**

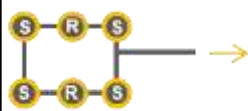
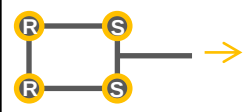
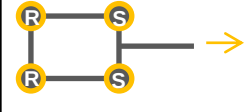
Compatível com caixas KLT e Euro (800 x 600 mm).
Compatibile con scatole KLT ed Euro (800 x 600 mm).
Compatible con cajas KLT y Euro (800 x 600 mm).
Compatible avec les boîtiers KLT et Euro (800 x 600 mm).

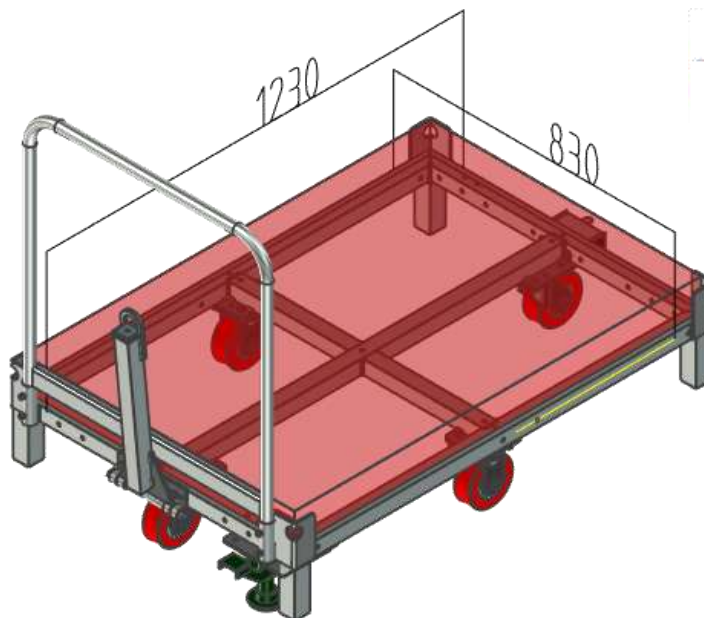
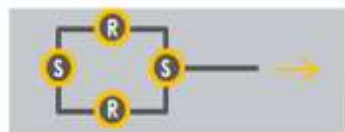


MWagon

Mini
Wagon+



MiniWagon Plus						
Reference	Description	Wagon weight (kg)	Max Load (kg)	Casters	Height (mm)	Casters configuration (mm)
MNWP1-300	MiniWagon Plus 1230 x 830 mm	22	300	RO4-200FF	137	
MNWP2-300	MiniWagon Plus 830 x 630 mm	15	300	RO4-200FF	133	
MNWP3-300	MiniWagon Plus 630 x 430 mm	13	300	RO4-200FF	133	



**Maxi
Wagon**



BaseWagon								
Reference	Description	Wagon weight (Kg)	Max Load (Kg)	Max. ergon. Load (15Kg) (Kg)	Casters	Height (mm)	Characteristics	Quantity (pallet)
MW1-750	Base Wagon Diamond Configuration 1230x830mm	36	1050	750*	RO5-350	209		9
MW1-825	Base Wagon Configuração Diamante 1230x830mm	44	1050	825*	RO8-500	288		7
	Configurazione a rombo per Base Wagon 1230x830mm							
MW1-825S	BaseWagon Diamante Configuración 1230x830mm	48	1050	825*	RO8-700SS	298		7
MW1-1000	Base Wagon Diamant Configuration 1230x830mm	39	1050	1000*	RO5-700A	219		9

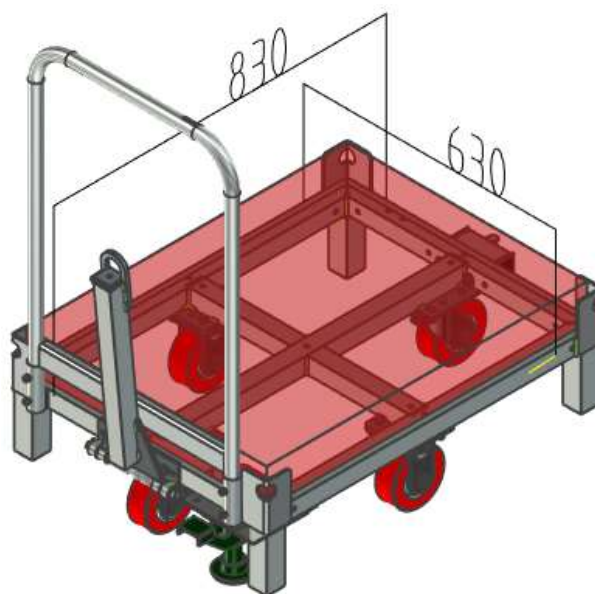
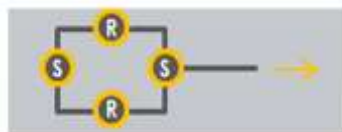
*** Values obtained in smooth and unobstructed ground, with distributed load and wheels at 90° with the direction of movement.**

Valores obtidos em chão liso e sem obstáculos, com carga distribuída e rodas a 90° com a direcção de movimento.

Valori ottenuti in terra liscia e non ostruita, con carico distribuito e ruote a 90° con la direzione di movimento.

Valores obtenidos en suelo liso y sin obstáculos, con carga distribuida y ruedas a 90° con la dirección de movimiento.

Valeurs obtenues dans un sol lisse et dégagé, avec une charge répartie et des roues à 90 ° avec la direction du mouvement.



**Maxi
Wagon**



BaseWagon								
Reference	Description	Wagon weight (Kg)	Max Load (Kg)	Max. ergon. Load (15Kg) (Kg)	Casters	Height (mm)	Characteristics	Quantity (pallet)
MW2-750	Base Wagon Diamond Configuration 830x630mm	36	1050	750*	RO5-350	209		9
MW2-825A	Base Wagon Configuração Diamante 830x630mm	44	1050	825*	RO8-500	288		7
	Configurazione a rombo per Base Wagon 830x630mm							
MW2-825	BaseWagon Diamante Configuración 830x630mm	48	1050	825*	RO8-700SS	298		7
MW2-1050A	Base Wagon Diamant Configuration 830x630mm	39	1050	1000*	RO5-700A	219		9

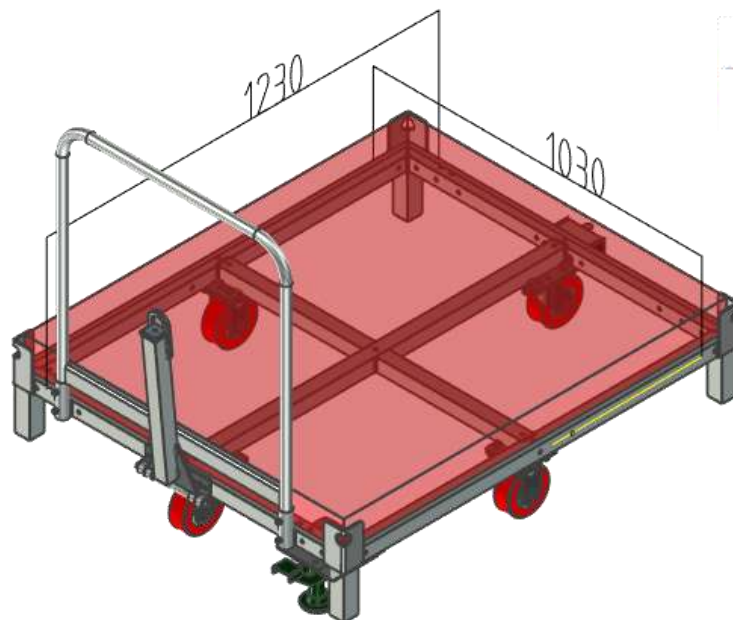
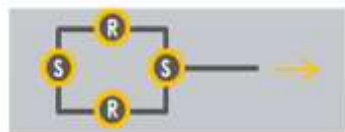
*** Values obtained in smooth and unobstructed ground, with distributed load and wheels at 90° with the direction of movement.**

Valores obtidos em chão liso e sem obstáculos, com carga distribuída e rodas a 90° com a direcção de movimento.

Valori ottenuti in terra liscia e non ostruita, con carico distribuito e ruote a 90° con la direzione di movimento.

Valores obtenidos en suelo liso y sin obstáculos, con carga distribuida y ruedas a 90° con la dirección de movimiento.

Valeurs obtenues dans un sol lisse et dégagé, avec une charge répartie et des roues à 90 ° avec la direction du mouvement.



**Maxi
Wagon**



BaseWagon								
Reference	Description	Wagon weight (Kg)	Max Load (Kg)	Max. ergon. Load (15Kg) (Kg)	Casters	Height (mm)	Characteristics	Quantity (pallet)
MW3-750	Base Wagon Diamond Configuration 1230x1030mm	36	1050	750*	RO5-350	209		9
MW3-825	Base Wagon Configuração Diamante 1230x1030mm	44	1050	825*	RO8-500	288		7
	Configurazione a rombo per Base Wagon 1230x1030mm							
MW3-825S	BaseWagon Diamante Configuración 1230x1030mm	48	1050	825*	RO8-700SS	298		7
MW3-1000	Base Wagon Diamant Configuration 1230x1030mm	39	1050	1000*	RO5-700A	219		9

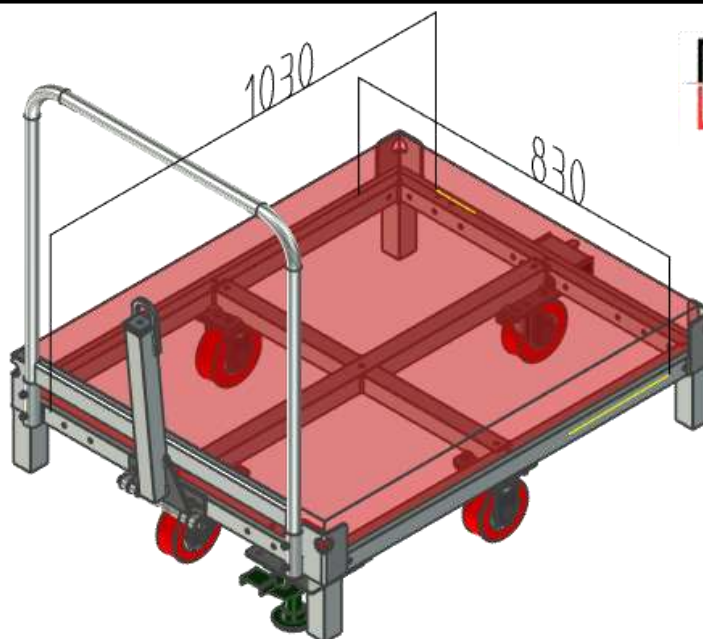
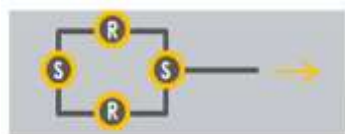
*** Values obtained in smooth and unobstructed ground, with distributed load and wheels at 90° with the direction of movement.**

Valores obtidos em chão liso e sem obstáculos, com carga distribuída e rodas a 90° com a direcção de movimento.

Valori ottenuti in terra liscia e non ostruita, con carico distribuito e ruote a 90° con la direzione di movimento.

Valores obtenidos en suelo liso y sin obstáculos, con carga distribuida y ruedas a 90° con la dirección de movimiento.

Valeurs obtenues dans un sol lisse et dégagé, avec une charge répartie et des roues à 90 ° avec la direction du mouvement.



**Maxi
Wagon**



BaseWagon								
Reference	Description	Wagon weight (Kg)	Max Load (Kg)	Max. ergon. Load (15Kg) (Kg)	Casters	Height (mm)	Characteristics	Quantity (pallet)
MW4-750	Base Wagon Diamond Configuration 1030x830mm	36	1050	750*	RO5-350	209		9
MW4-825	Base Wagon Configuração Diamante 1030x830mm	44	1050	825*	RO8-500	288		7
	Configurazione a rombo per Base Wagon 1030x830mm							
MW4-825S	BaseWagon Diamante Configuración 1030x830mm	48	1050	825*	RO8-700SS	298		7
MW4-1000	Base Wagon Diamant Configuration 1030x830mm	39	1050	1000*	RO5-700A	219		9

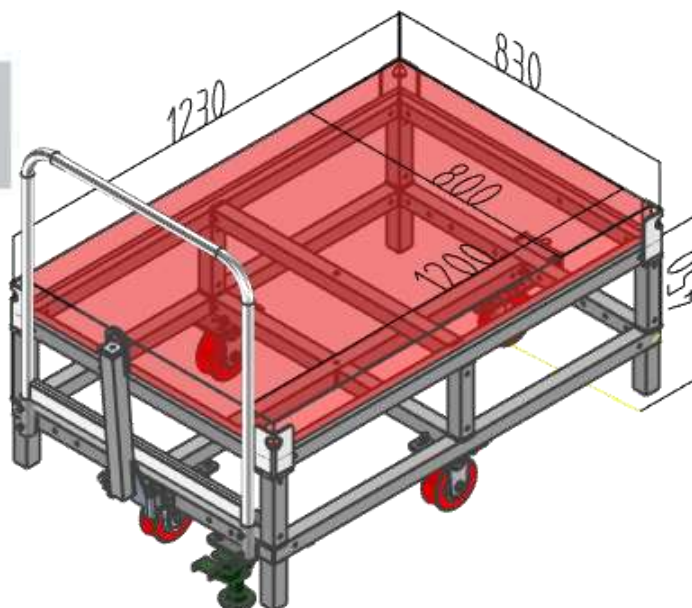
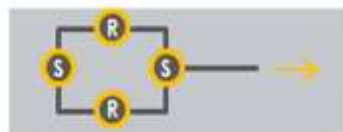
*** Values obtained in smooth and unobstructed ground, with distributed load and wheels at 90° with the direction of movement.**

Valores obtidos em chão liso e sem obstáculos, com carga distribuída e rodas a 90° com a direcção de movimento.

Valori ottenuti in terra liscia e non ostruita, con carico distribuito e ruote a 90° con la direzione di movimento.

Valores obtenidos en suelo liso y sin obstáculos, con carga distribuida y ruedas a 90° con la dirección de movimiento.

Valeurs obtenues dans un sol lisse et dégagé, avec une charge répartie et des roues à 90 ° avec la direction du mouvement.



**Maxi
Wagon**



BaseWagon							
Reference	Description	Wagon weight (Kg)	Max Load (Kg)	Max. ergon. Load (15Kg) (Kg)	Casters	Characteristics	Quantity (pallet)
TMW1-750	Tall Wagon Diamond Configuration 1230x830mm	63	1050	750*	RO5-350		5
TMW1-825	Tall Wagon Configuração Diamante 1230x830mm	71	1500	825*	RO8-500		
TMW1-825S	Configurazione a rombo per tall Wagon 1230x830mm	73	1500	825*	RO8-700SS		
TMW1-1000	Tall Wagon Diamant Configuración 1230x830mm	70	1500	1000*	RO5-700A		

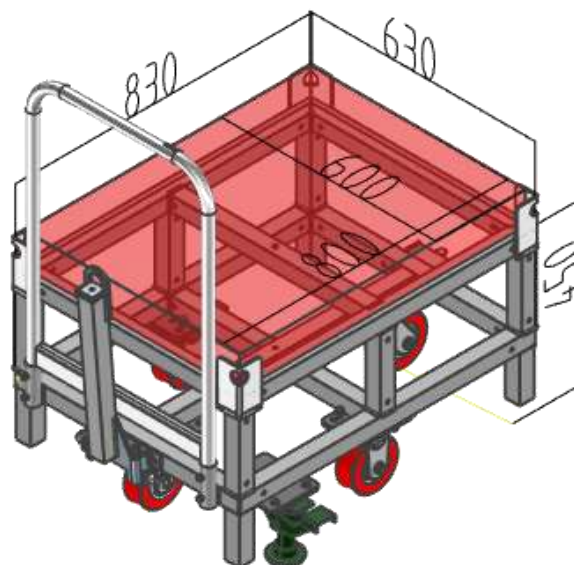
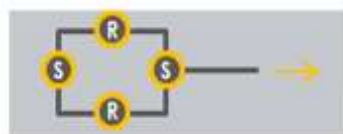
*** Values obtained in smooth and unobstructed ground, with distributed load and wheels at 90° with the direction of movement.**

Valores obtidos em chão liso e sem obstáculos, com carga distribuída e rodas a 90° com a direcção de movimento.

Valori ottenuti in terra liscia e non ostruita, con carico distribuito e ruote a 90° con la direzione di movimento.

Valores obtenidos en suelo liso y sin obstáculos, con carga distribuida y ruedas a 90° con la dirección de movimiento.

Valeurs obtenues dans un sol lisse et dégagé, avec une charge répartie et des roues à 90 ° avec la direction du mouvement.



**Maxi
Wagon**



BaseWagon							
Reference	Description	Wagon weight (Kg)	Max Load (Kg)	Max. ergon. Load (15Kg) (Kg)	Casters	Characteristics	Quantity (pallet)
TMW2-750	Tall Wagon Diamond Configuration 1230x830mm	63	1050	750*	RO5-350		5
TMW2-825	Tall Wagon Configuração Diamante 1230x830mm	71	1500	825*	RO8-500		
TMW2-825S	Configurazione a rombo per tall Wagon 1230x830mm	73	1500	825*	RO8-700SS		
TMW2-1000	Tall Wagon Diamant Configuración 1230x830mm	70	1500	1000*	RO5-700A		

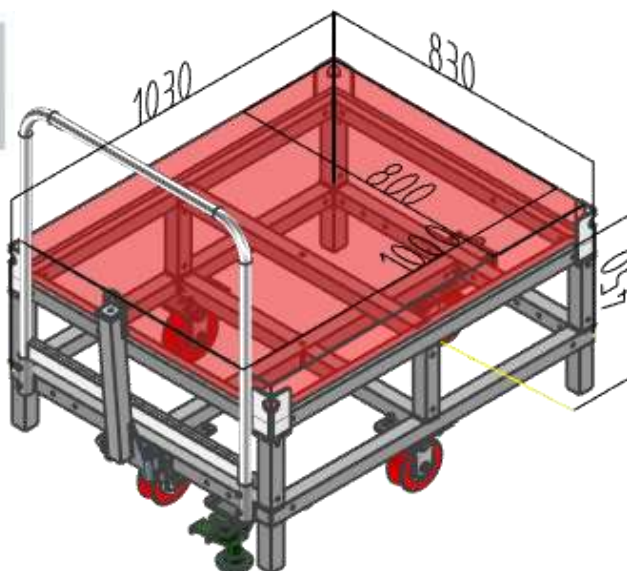
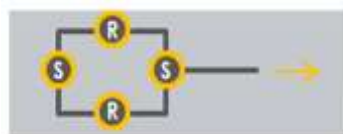
*** Values obtained in smooth and unobstructed ground, with distributed load and wheels at 90° with the direction of movement.**

Valores obtidos em chão liso e sem obstáculos, com carga distribuída e rodas a 90° com a direcção de movimento.

Valori ottenuti in terra liscia e non ostruita, con carico distribuito e ruote a 90° con la direzione di movimento.

Valores obtenidos en suelo liso y sin obstáculos, con carga distribuida y ruedas a 90° con la dirección de movimiento.

Valeurs obtenues dans un sol lisse et dégagé, avec une charge répartie et des roues à 90 ° avec la direction du mouvement.



**Maxi
Wagon**



BaseWagon							
Reference	Description	Wagon weight (Kg)	Max Load (Kg)	Max. ergon. Load (15Kg) (Kg)	Casters	Characteristics	Quantity (pallet)
TMW4-750	Tall Wagon Diamond Configuration 1030x830mm	54	1050	750*	RO5-350		5
TMW4-825	Tall Wagon Configuração Diamante 1030x830mm	62	1500	825*	RO8-500		
TMW4-825S	Configurazione a rombo per tall Wagon 1030x830mm	54	1500	825*	RO8-700SS		
TMW4-1000	Tall Wagon Diamant Configuración 1030x830mm	61	1500	1000*	RO5-700A		

*** Values obtained in smooth and unobstructed ground, with distributed load and wheels at 90° with the direction of movement.**

Valores obtidos em chão liso e sem obstáculos, com carga distribuída e rodas a 90° com a direcção de movimento.

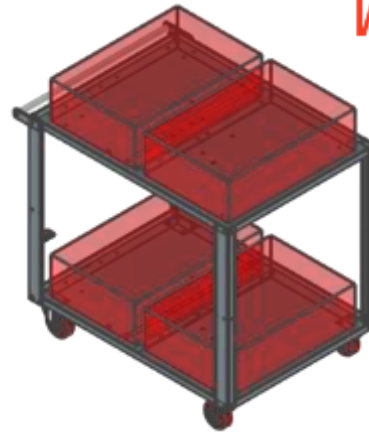
Valori ottenuti in terra liscia e non ostruita, con carico distribuito e ruote a 90° con la direzione di movimento.

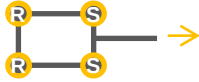
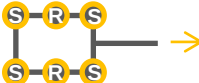
Valores obtenidos en suelo liso y sin obstáculos, con carga distribuida y ruedas a 90° con la dirección de movimiento.

Valeurs obtenues dans un sol lisse et dégagé, avec une charge répartie et des roues à 90 ° avec la direction du mouvement.



Mini
Wagon



Tall mini wagon				
Reference Referência/ Articolo Referencia/ Référence	Description Descrição/Descrizione Descripción/Description	Internal Dimensions Dimensões internas / Dimensioni interno/ Dimensiones interne/ Dimensiones internos (mm)	Max. Load (Kg)	Accessories Acessórios / Accessori Accesorios / Accessoires
TMINW3-1		820 x 610	200	C-CA4
TMINW3-2				C-ECA4 BR-4V

To use with XCasters RO4-200FF

Utilização com XCasters RO4-200FF
Da utilizzare con XCasters RO4-200FF
Da utilizzare con XCasters RO4-200FF
À utiliser avec XCasters RO4-200FF



Compatible with Eurobox

Compatível com eurobox
Compatibili con eurobox
Compatible con eurobox
Compatible avec eurobox





MWM*

Base Multishelve Wagon				
Reference	Description	Internal dimensions (mm)	External dimensions (mm)**	Acessories
MWM1	Base for Multishelve Wagon Base para wagon multiprateleira / Base per wagon multi mensola / Base para vagón multi estante / Base pour wagon multi étagère	724 x 524	800 x 600	BR-13 T-2820 Xpanels XCasters
MWM2		764 x 564	830 x 630	
MWM3		884 x 674	950 x 740	
MWM4		964 x 764	1030 x 830	
MWM5		1124 x 724	1200 x 800	
MWM6		1164 x 764	1230 x 830	
MWM7		1164 x 964	1230 x 1030	
MWM8		1304 x 884	1370 x 950	

Multiple Casters Available

Vários rodízios disponíveis

Ruote disponibili

Ruedas disponibles

Roulettes disponibles

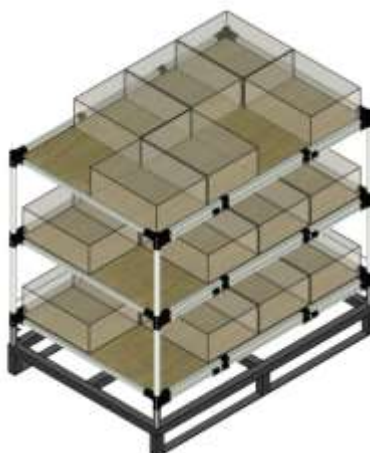


***This structure is prepared to assemble 4Lean system components.**

Esta estrutura está preparada para montar componentes 4Lean System.
 Questa struttura è pronta per il montaggio di componenti del 4Lean System.
 Esta estructura está preparada para montar componentes 4Lean System.
 Cette structure est prête à monter des composants du 4Lean System.

****Dimensions do not include arm and pin.**

Dimensões não incluem braço e pino.
 Dimensioni non includono braccio e perno.
 Dimensiones no incluyen el brazo y el perno.
 Dimensions n'incluent pas le bras et la goupille.



MP*

MaxiWagon Multishelve				
Reference	Description	Internal dimensions (mm)	External dimensions (mm)	Acessories
MP1	Base for Multishelve Wagon Base para wagon multiprateleira / Base per wagon multi mensola / Base para vagón multi estante / Base pour wagon multi étagère	724 x 524	800 x 600	BR-13 T-2820 Xpanels
MP2		764 x 564	830 x 630	
MP3		884 x 674	950 x 740	
MP4		964 x 764	1030 x 830	
MP5		1124 x 724	1200 x 800	
MP6		1164 x 764	1230 x 830	
MP7		1164 x 964	1230 x 1030	
MP8		1304 x 884	1370 x 950	

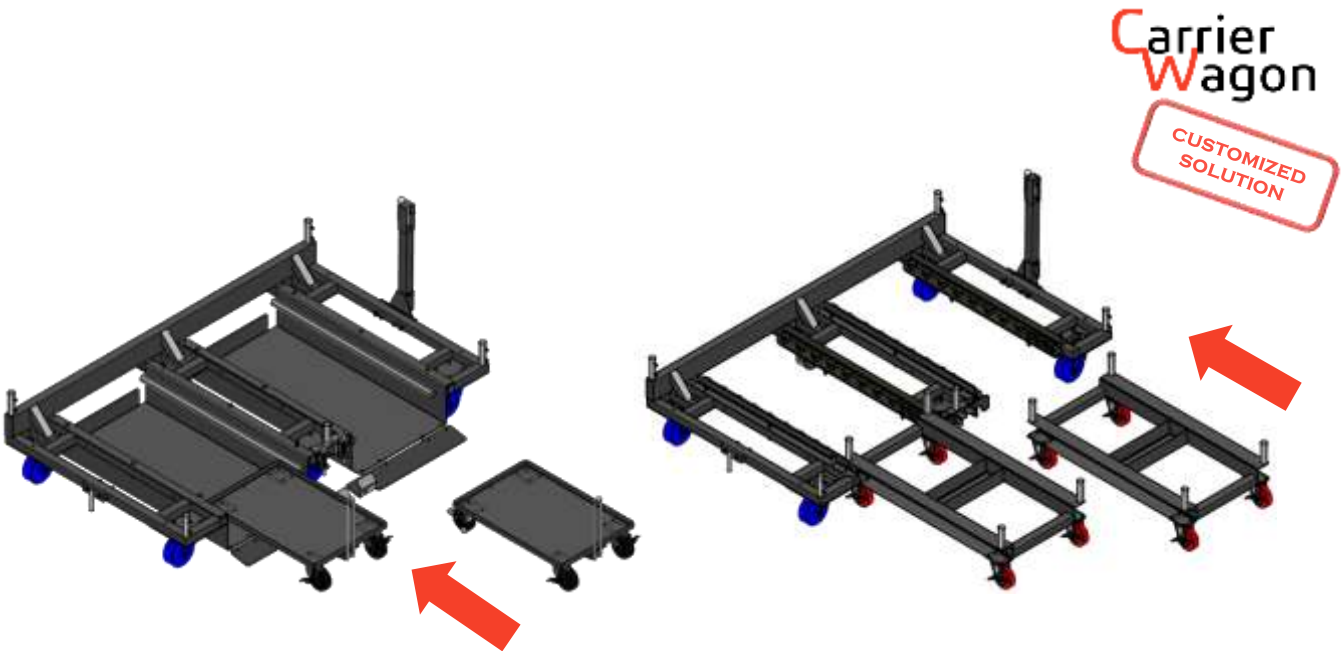
***This structure is prepared to assemble 4Lean system components.**

Esta estrutura está preparada para montar componentes 4Lean System.

Questa struttura è pronta per il montaggio di componenti del 4Lean System.

Esta estructura está preparada para montar componentes 4Lean System.

Cette structure est prête à monter des composants du 4Lean System.



VAG-TRW*

Trolley Tall Ramp Wagon			
Reference	Description	Dimensions (mm)	Acessories
VAG-TRW1	Tall Ramp Wagon 1	812x1696	T-2820 BASE-TRW MiniWagon R-22A RMWE
VAG-TRW2	Tall Ramp Wagon 2	1012x1696	

***This structure is prepared to assemble 4Lean system components.**
Esta estrutura está preparada para montar componentes 4Lean System.
Questa struttura è pronta per il montaggio di componenti del 4Lean System.
Esta estructura está preparada para montar componentes 4Lean System.
Cette structure est prête à monter des composants du 4Lean System.

Box Straight Plate Wagon Plus

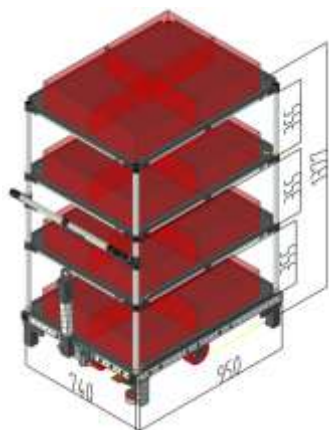
Flow

Max Load per Level 2mm pipe: 90kg
Max Load 2mm pipe: 532kg

Max Load per Level 2mm pipe: 133kg
Max Load 2mm pipe: 532kg

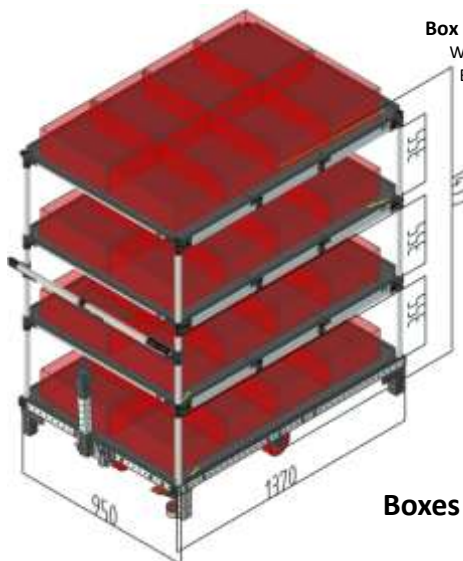
Box Dimensions (mm)

Width (Front): 600
Box Depth: 400
Height: 150



Box Dimensions (mm)

Width (Front): 800
Box Depth: 1200
Height: 150



Boxes not included

Structure Components

Componentes da estrutura / Componenti della struttura / Componenti della struttura / Composants de structure

Description	Reference	Type	Dimensions (mm)	Pipe Colour	Components	
Box Straight Plate Cart Plus	BSPW01P2*	Kit	1200*800	B	 	
	BSPW02P2*	Assembled		C		
	BSPW05P2*	Bulk Material		G		
	BSPW03P2*	Kit	800*600	Y		
	BSPW04P2*	Assembled		A		
	BSPW06P2*	Bulk Material		M		
				I ***		
				AL ****		

**** Aluminum 2mm pipe

Aluminio / Alluminio /
Aluminio / Aluminium

***Stainless Steel 1mm pipe

Aço inoxidável / Acciaio inossidabile / Acero
inoxidable / Acier inoxydable

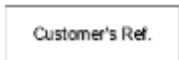
Reference



Colour

* Ex.: BSPW01P2B

Quality Label for Structure Specifications

Quality Labels Etiquetas de Qualidade / Etichette di qualità / Etiquetas de Calidad / Labels de qualité				
Reference	Image	Type	Dimensions(mm)	Description
B-LQA4H		Plasticized Quality Label	307x220	Complete structure specifications: - Title. - Identification number. - Design. - Dimensions. - Maximum load. - Production date.
B-LAQH		Adhesive Quality Label	100x35	Minimum structure specifications: - Identification number. - Quality check date. - Maximum load. - Production date.
B-LCAQH		Customizable Adhesive Quality Label	100x35	Customer's reference label. - Internal reference number.
PM-CE*		Adhesive CE Label	69x66 60x120	CE certification: - CE marking plate. - Sticker CE security symbols
M-CE*		PDF	A5	CE certification manual: -Customer language
M-MAN		PDF	A5	User and maintenance manual: - Customer language.
M-FEM		PDF	A5	Finite Element Method : - Customer language
PM-QH2		Aluminium Quality Label	130x36	Minimum structure specifications: - Identification number. - Quality check date. - Maximum load. - Production date.

* Available for solution with CE marking

Notes

| Notas | Appunti | Notes

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Notes

| Notas | Appunti | Notes

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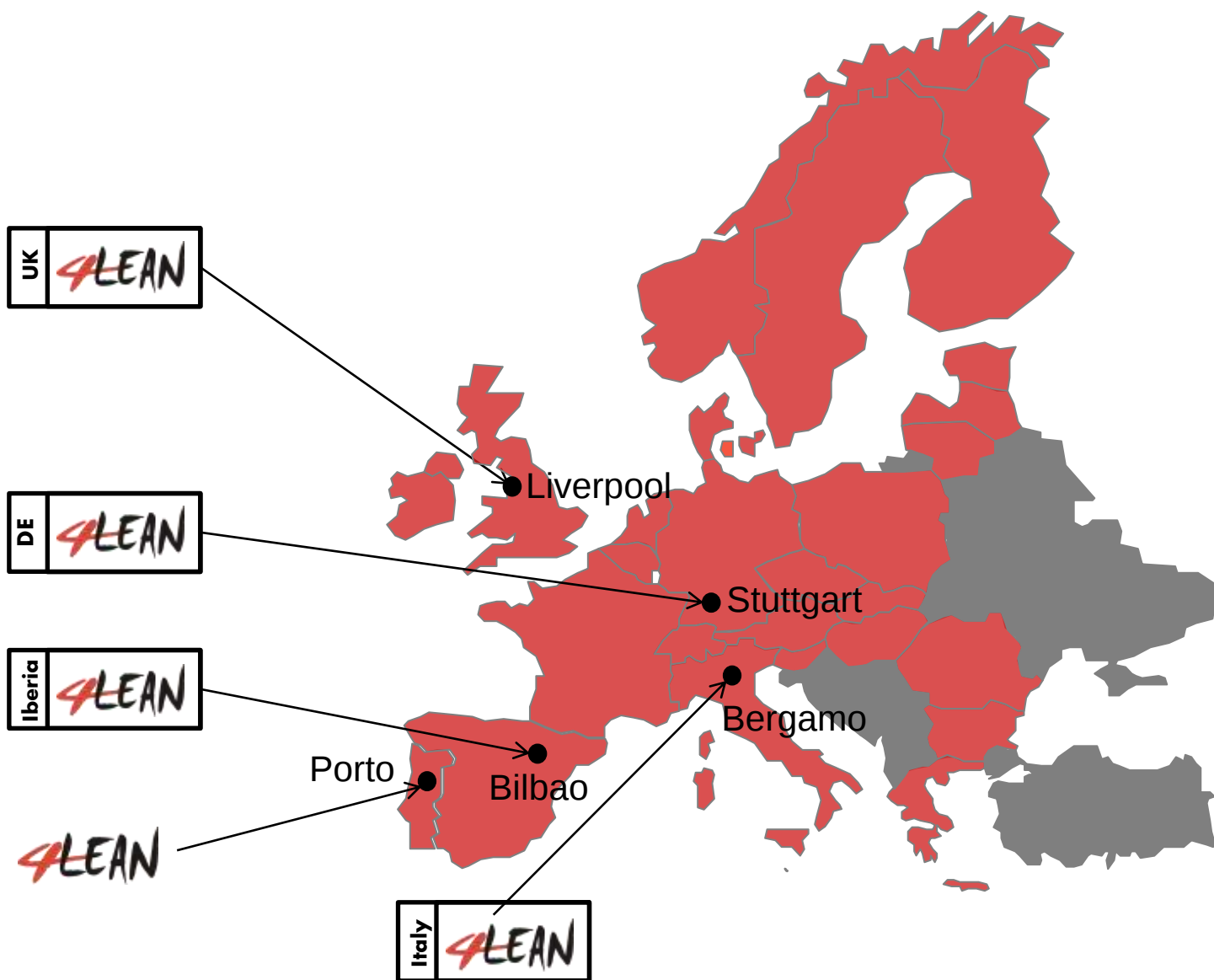
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| Alguns dos nossos clientes | Alcuni dei nostri clienti | Algunos de nuestros clientes |
Certains de nos clients

Horeca Equipments



Industrial and Agricultural Vehicles



Power transmission



Automotive



Aeronautics



Small Appliance



E-Commerce & Warehouse



Elevators



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4Lean, Lda
4lean@4lean.net
www.4lean.net

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for washing machines and ovens

sisme

METEOR
by M. S. S.

Whirlpool

Electrolux

Bicycles

SRAM

Al Mais

Miranda
The European Blue Fundamentals

rte

ALUBIKE

LOMBARDO
CC CC

ORBEA

Campagnolo

Electrical

ABB

CAME

bticino

efacec

OSRAM

WESTRAFO

EFAPEL

SIEMENS

simon

Electronics

ALFA
ELECTRONICS

TE
CARDIOLINE

flex

KEMET
a YAGEO company

CAREL

OLYMPUS

vision-box

VISHAY

ES
ELECTRONICS

Fashion

LVMH
LUXURY MODA

NIKE

YSL

YKK

BALLY

KERING

SWATCH GROUP

Process Industry

Nestlé

BANCO DE PORTUGAL
SEGURIDADE

NAVIGATOR
SECURITY

Coca-Cola

thyssenkrupp

PESCANOVA

Tetra Pak

Ventilation and refrigeration

VERTIV

Parker

Swegon

EBI

kide

TROX TECHNIK
The art of handling air

arneg

WoodWorking

IKEA

AL

BRUGNOTTO
GROUP

PIANCA

Arredo3

ericsstoremedia

TECNOFORM

FRIUL
INTAGLI

Valcucine

Industrial Machines

+GF+
GEORG FISCHER

GEA
FARMACIA GEA

magic
MAGNIFICENT

BOBST

salvagnini

MEGA

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