



Dati tecnici

## Dati tecnici


Posti di lavoro e accessori per il posto di lavoro

 6-2


Sistemi di scaffalatura e disponibilità di materiali

 6-8

Concatenamento manuale (EcoFlow)

 6-18

Carrelli portamateriali

 6-19

Dati tecnici

## Posti di lavoro e accessori per il posto di lavoro

### Posti di lavoro

Carichi concentrati e carichi per unità di superficie dei posti di lavoro. Per i posti di lavoro secondo i desideri del cliente, i valori dipendono dalla larghezza (B), dal tipo di piede (FU) e dall'esecuzione. Per i posti di lavoro standard valgono i valori per  $B < 1500$  mm. Tutti i valori sono validi per l'esecuzione a leggio o a scatola.

**3 842 998 110** (📄 2-14)

**3 842 538 570** (📄 2-16)

**3 842 538 571** (📄 2-16)

**3 842 538 572** (📄 2-16)

**3 842 538 573** (📄 2-16)

**3 842 538 574** (📄 2-17)

**3 842 538 575** (📄 2-17)

**3 842 538 576** (📄 2-17)

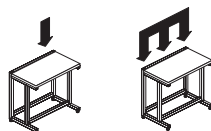
**3 842 538 577** (📄 2-17)

B [mm]	FU	$F_{max}$ [N]	$F_{max}$ [N]	$F_{max}$ [N]	$F_{max}$ [N]
<1500	GF	2000	4000	2000	4000
	LR	1800	1800	2000	2400
>1500	GF	1500	2000	1500	2000
	LR	1500	1800	1500	2000

Carichi concentrati e carichi per unità di superficie dei posti di lavoro regolabili in altezza meccanicamente o elettricamente.

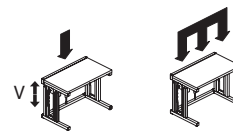
**3 842 512 990** (📄 2-20)

Regolabile meccanicamente





$F_{max}$ [N]	2000	2500
---------------	------	------

Regolabile elettricamente



$F_{max}$ [N]	1500	1800
v [mm/s] (230 V)	12	12

	Carico concentrato
	Carico per unità di superficie
B	Larghezza
FU	Tipo di piede
GF	Piede regolabile
LR	Ruota orientabile

Dati tecnici

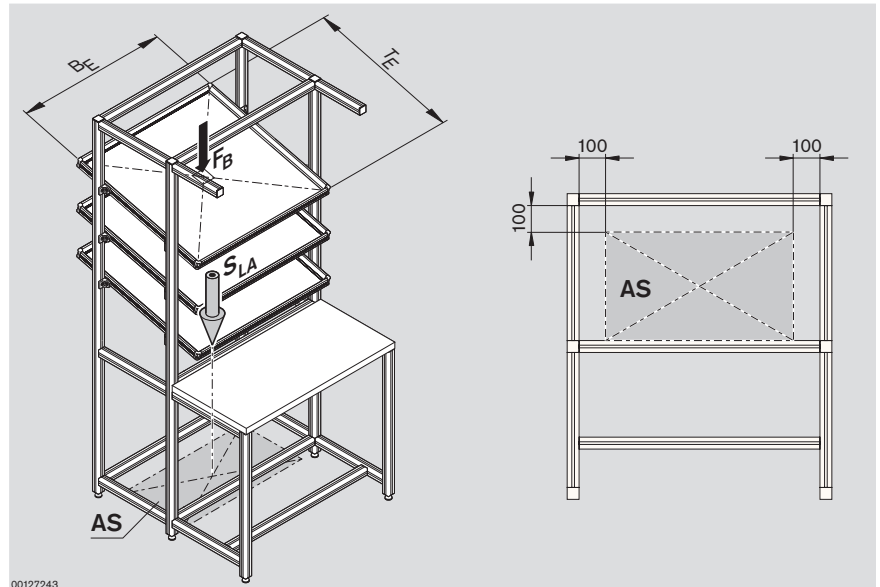
## Piani per il flusso di materiale

 $S_{LA}$  Vettore baricentroAS Posizione consentita della linea di potenza del vettore baricentro  $S_{LA}$ 

3 842 998 183 (☞ 2-24)

3 842 998 184 (☞ 2-24)

3 842 998 155 (☞ 2-24)



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Carico massimo dei piani per il flusso di materiale

	$T_E$ (mm)	1220	1220	840	765	1000	1000	840	765
	$B_E$ (mm)	1480	840	1480	840	1000	840	1000	840
<b>M = 1</b>	$F_E$ (N)	700	700	700	1000				
<b>M = 2, 3</b>	$F_E$ (N)					250	280	280	360

 $F_E$  è un carico per unità di superficie e non deve presentarsi come carico concentrato.

M = 1	Alu
M = 2	PP
M = 3	ESD (SB)

Dati tecnici

## Pedane

Carico massimo delle pedane secondo i desideri del cliente e delle pedane standard.

3 842 998 256 (☞ 2-35)

3 842 538 771 (☞ 2-35)

3 842 538 772 (☞ 2-35)


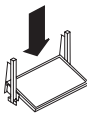
3 842 998 257 (☞ 2-36)

3 842 519 735 (☞ 2-36)

3 842 538 409 (☞ 2-36)

3 842 515 160 (☞ 2-36)

3 842 538 098 (☞ 2-36)

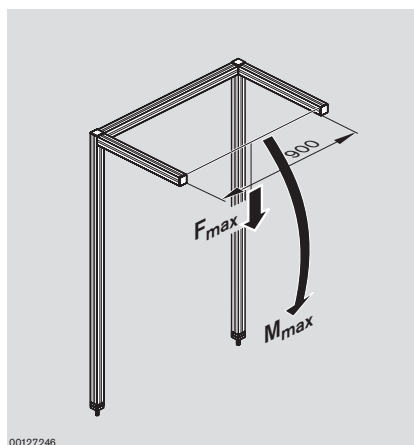
	Economic	Basic
		
$F_{max}$ [N]	1000	1000

## Accessori del posto di lavoro

Prolunga in profilo standard P = 45x45L

3 842 519 530 (☞ 2-21)

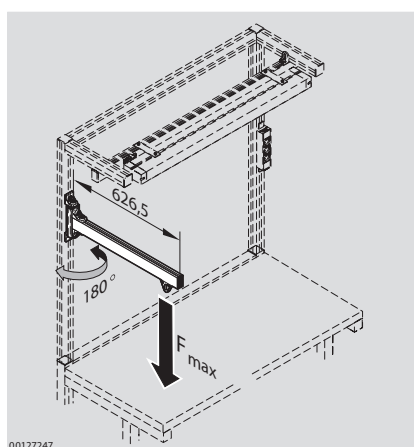
3 842 191 180 (☞ 2-21)



$F_{max}$ [N]	250
$M_{max}$ [Nm]	150

Supporto cacciavite 180°

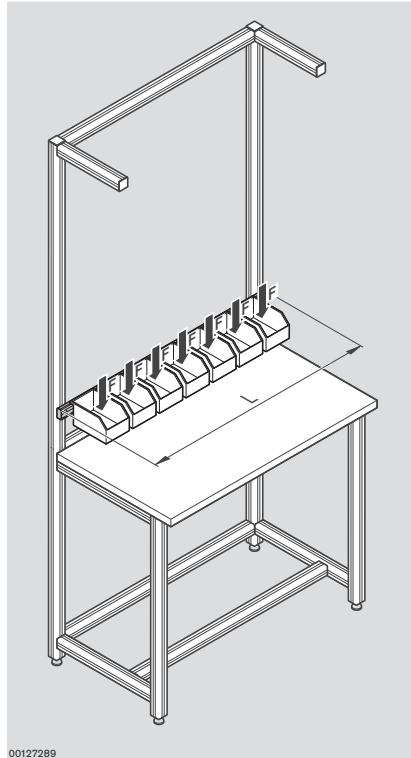
3 842 521 517 (☞ 2-67)



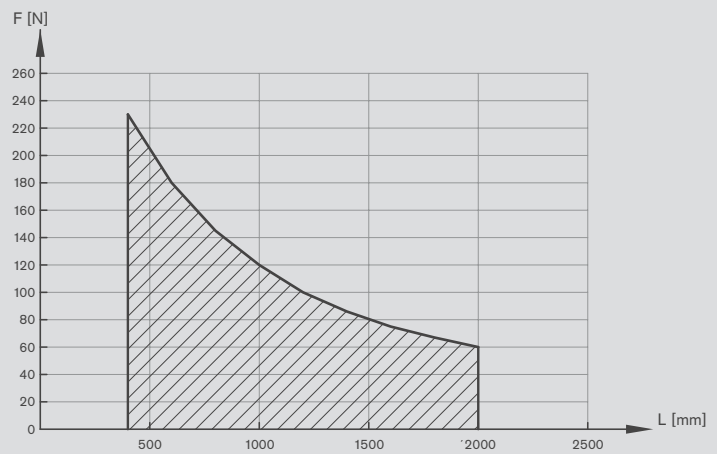
$F_{max}$ [N]	100
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## Dati tecnici

## Profilato di sospensione 15x30

**3 842 993 411** (☞ 2-31, 2-73, 3-65)**3 842 537 679** (☞ 2-31, 2-73, 3-65)**3 842 993 359** (☞ 2-31, 2-73, 3-65)**3 842 537 681** (☞ 2-31, 2-73, 3-65)

00127289

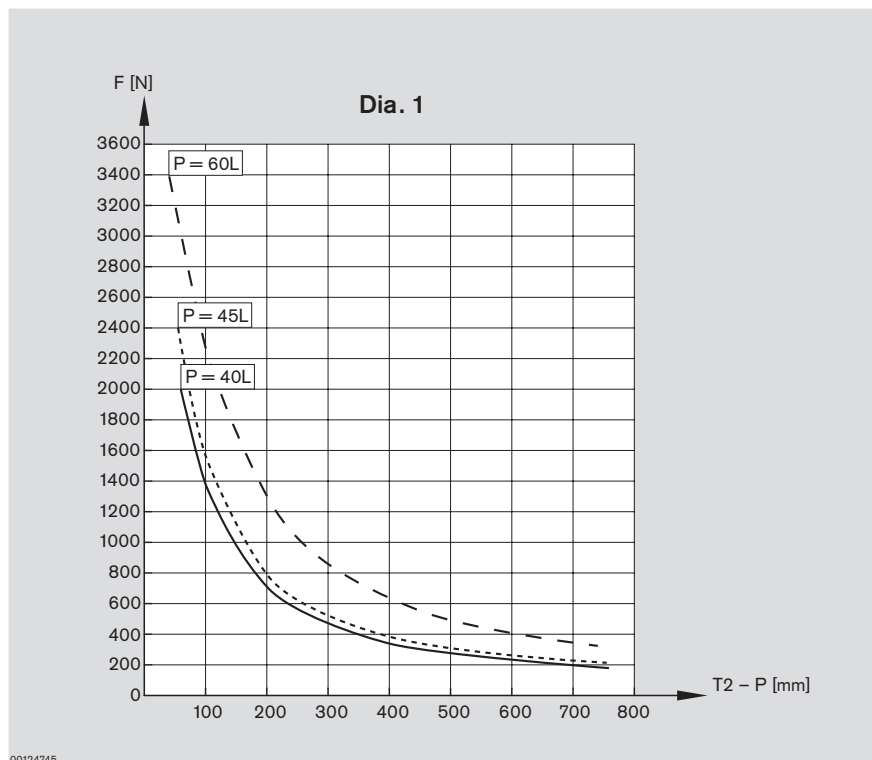
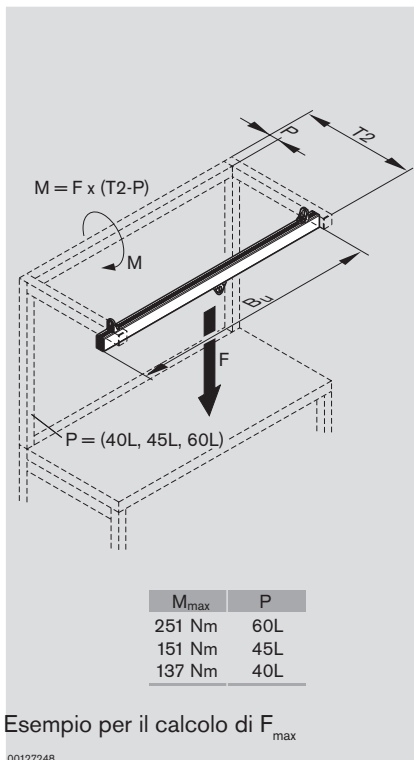


00127291

Dati tecnici

Sospensione sul posto di lavoro: senza zaino, con zaino, con prolunga in profilo rinforzata

3 842 998 216 (☞ 2-68)



Determinazione del carico per T2:

P = 45 mm

T2 = 400 mm

☞ Dia. 1 → F = 380 N

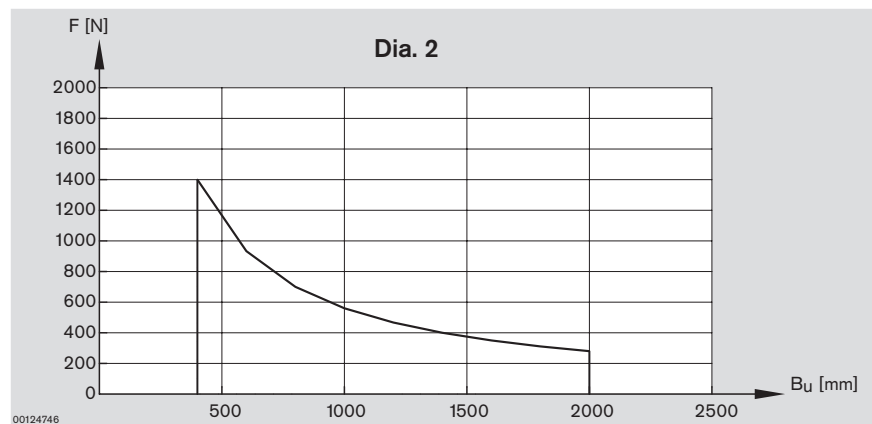
Determinazione del carico per la sospensione

$B_u = 1000$  mm

☞ Dia. 2 → F = 580 N

Il carico massimo consentito  $F_{max}$  è il più piccolo dei due valori di carico.

$F_{max} = 380$  Nm



## Dati tecnici

## Armadi a cassetti

3 842 513 491 (📄 2-78)

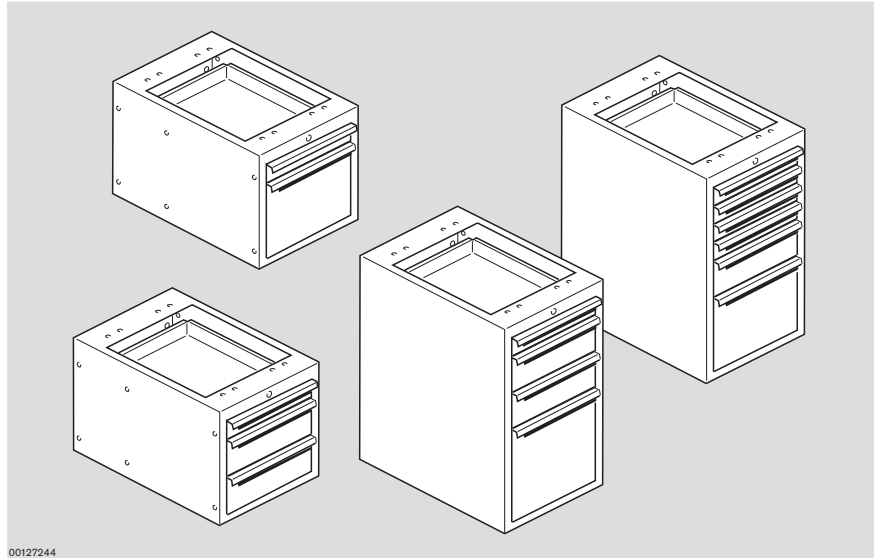
3 842 513 492 (📄 2-78)

3 842 516 701 (📄 2-78)

3 842 513 493 (📄 2-79)

3 842 513 494 (📄 2-79)

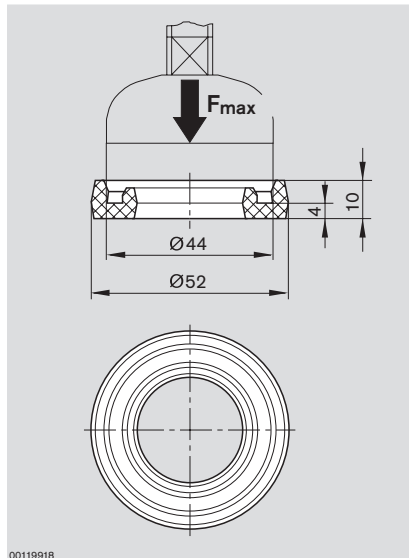
Carico per cassetto: 350 N



00127244

## Anelli ammortizzatori

3 842 521 817 (📄 2-88)



00119918

$F_{max}$ [N]	2000
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Dati tecnici

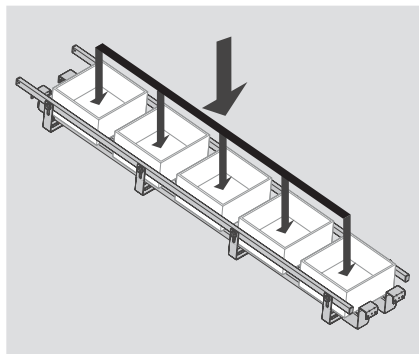
## Sistemi di scaffalatura e disponibilità dei materiali

### Sistemi di scaffalatura XLean, Lean, EcoFlow

Carico max. per linea

Carico max  $F_{\Sigma}$  = peso dei nastri a rulli + contenitori + parti depositate.

$F_{\Sigma}$  è un carico per unità di superficie e non deve presentarsi come carico concentrato.

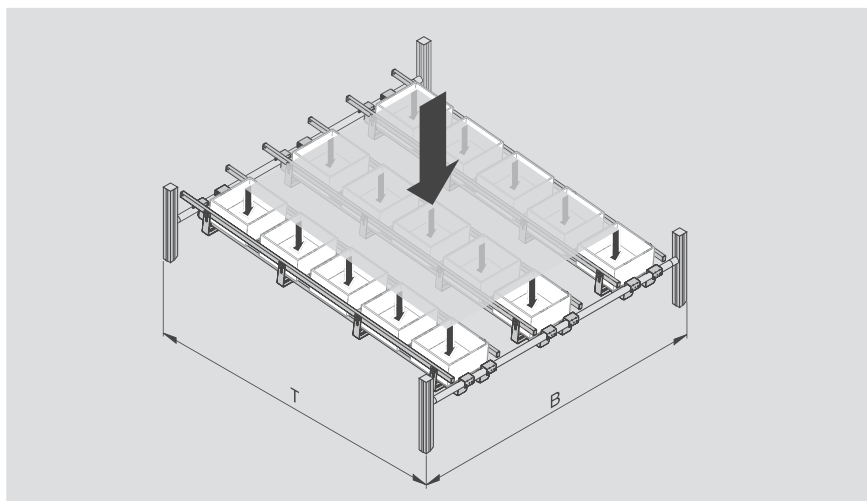


	TT = 1000	TT = 1500
XLean	65 kg/1000 mm	45 kg/1000 mm
Lean	130 kg/1000 mm	90 kg/1000 mm
EcoFlow	210 kg/1000 mm	140 kg/1000 mm

Carico max. per piano

Carico max  $F_{\Sigma}$  = peso dei nastri a rulli + contenitori + parti depositate.

$F_{\Sigma}$  è un carico per unità di superficie e non deve presentarsi come carico concentrato.



TT = 1000	TT = 1500	B ≤ 1000			1000 < B ≤ 1500		
		PT = RT PT = RTW	PT = DRT	PT = ST	PT = RT PT = RTW	PT = DRT	PT = ST
T [mm]	T [mm]	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$
T ≤ 1000	T ≤ 1500	200 kg	1200 kg	600 kg	100 kg	600 kg	300 kg
1000 < T ≤ 2000	1500 < T ≤ 3000	300 kg	1800 kg	900 kg	150 kg	900 kg	450 kg
2000 < T ≤ 3000	3000 < T ≤ 4500	400 kg	2000 kg <sup>2)</sup>	1200 kg	200 kg	1200 kg	600 kg
3000 < T ≤ 4000	4500 < T ≤ 6000	500 kg	2000 kg <sup>2)</sup>	1500 kg	250 kg	1500 kg	750 kg
4000 < T ≤ 5000	–	600 kg	2000 kg <sup>2)</sup>	1800 kg	300 kg	1800 kg	900 kg
5000 < T ≤ 6000	–	700 kg	2000 kg <sup>2)</sup>	2000 kg <sup>2)</sup>	350 kg	2000 kg <sup>2)</sup>	1050 kg

<sup>1)</sup> Carico max.

<sup>2)</sup> Limitato a 2000 kg carico max.per scaffale

## Dati tecnici

## Carico max. per scaffale

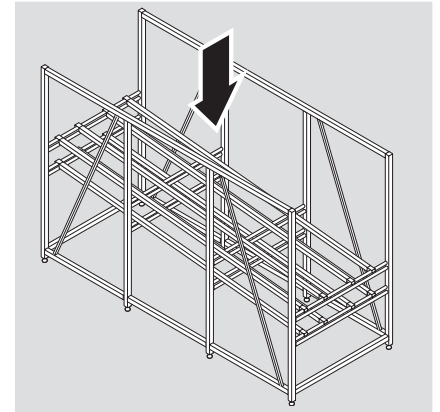
Carico max  $F_{\Sigma}$  = peso dei nastri a rulli + contenitori + parti depositate.

$F_{\Sigma}$  è un carico per unità di superficie e non deve presentarsi come carico concentrato.





**3 842 998 249** (☞ 3-10)

**3 842 998 332** (☞ 3-12)

**3 842 998 322** (☞ 3-14)







## LV = 1 (standard)

		Typ 2		Typ 1	
TT = 1000	TT = 1500	 FU = LR	 FU = GF	 FU = LR	 FU = GF
T [mm]	T [mm]	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$
T ≤ 1000	T ≤ 1500	240 kg	400 kg	120 kg	200 kg
1000 < T ≤ 2000	1500 < T ≤ 3000	320 kg	400 kg	160 kg	200 kg
2000 < T ≤ 3000	3000 < T ≤ 4500	400 kg	400 kg	200 kg	200 kg
3000 < T ≤ 4000	4500 < T ≤ 6000	400 kg	400 kg	200 kg	200 kg
4000 < T ≤ 5000	-	400 kg	400 kg	200 kg	200 kg
5000 < T ≤ 6000	-	400 kg	400 kg	200 kg	200 kg

<sup>1)</sup> Carico max.

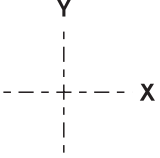



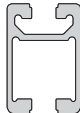

## LV = 2 (rinforzato)

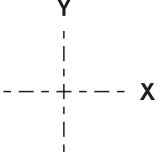
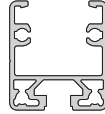

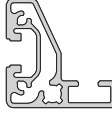
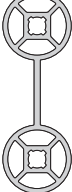
		Typ 2		Typ 1	
TT = 1000	TT = 1500	 FU = LR	 FU = GF	 FU = LR	 FU = GF
T [mm]	T [mm]	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$
T ≤ 1000	T ≤ 1500	240 kg	2000 kg	120 kg	1000 kg
1000 < T ≤ 2000	1500 < T ≤ 3000	320 kg	2000 kg	160 kg	1000 kg
2000 < T ≤ 3000	3000 < T ≤ 4500	400 kg	2000 kg	200 kg	1000 kg
3000 < T ≤ 4000	4500 < T ≤ 6000	480 kg	2000 kg	240 kg	1000 kg
4000 < T ≤ 5000	-	560 kg	2000 kg	280 kg	1000 kg
5000 < T ≤ 6000	-	640 kg	2000 kg	320 kg	1000 kg

<sup>1)</sup> Carico max.

Dati tecnici

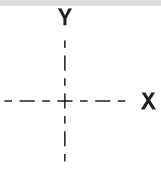





## Profilati

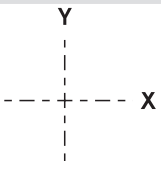

		Profilato del telaio 22,5x30	Profilato del telaio 22,5x45	Prof. sospensione	Guida profilata 30x45C	Profilato 15x22,5
						
N° di materiale/ pagina		<b>3 842 992 493</b> <b>3 842 515 229</b> (☞ 2-28)	<b>3 842 992 411</b> <b>3842 508 102</b> (☞ 2-29)	<b>3 842 993 411</b> <b>3 842 537 679</b> <b>3 842 993 359</b> <b>3 842 537 681</b> (☞ 2-31, 2-73, 3-73)	<b>3 842 992 946</b> <b>3 842 523 598</b> (☞ 2-69)	<b>3 842 992 473</b> <b>3 842 513 576</b> (☞ 3-39, 4-10)
Momento d'inerzia	$I_x$ [cm <sup>4</sup> ]	1,68	6,67	2,06	10,33	0,81
	$I_y$ [cm <sup>4</sup> ]	2,97	1,66	0,48	5,60	0,34
Momento di resistenza	$W_x$ [cm <sup>3</sup> ]	1,49	2,76	2,68	4,23	0,88
	$W_y$ [cm <sup>3</sup> ]	1,98	1,28	0,32	3,73	0,55
Sup. profilato A	[cm <sup>2</sup> ]	3,20	3,43	2,03	4,38	1,24
Massa	[kg/m]	0,86	0,86	0,548	1,23	0,33

		Profilato ad U	Profilato tratto MV 45x45	Profilato angolare	Profilato D28x55
					
N° di materiale/ pagina		<b>3 842 993 316</b> <b>3 842 535 115</b> (☞ 3-51)	<b>3 842 993 029</b> <b>3 842 537 321</b> (☞ 3-59, 4-6)	<b>3 842 992 412</b> <b>3 842 508 104</b> (☞ 5-13)	<b>3 842 993 489</b> <b>3 842 537 477</b> (☞ 3-41)
Momento d'inerzia	$I_x$ [cm <sup>4</sup> ]	10,42	11,87	8,85	3,23
	$I_y$ [cm <sup>4</sup> ]	8,32	10,50	6,95	88,34
Momento di resistenza	$W_x$ [cm <sup>3</sup> ]	4,63	–	3,18	2,31
	$W_y$ [cm <sup>3</sup> ]	4,13	–	2,32	32,12
Sup. profilato A	[cm <sup>2</sup> ]	4,41	6,17	4,47	5,94
Massa	[kg/m]	1,19	1,67	1,20	1,6

Dati tecnici

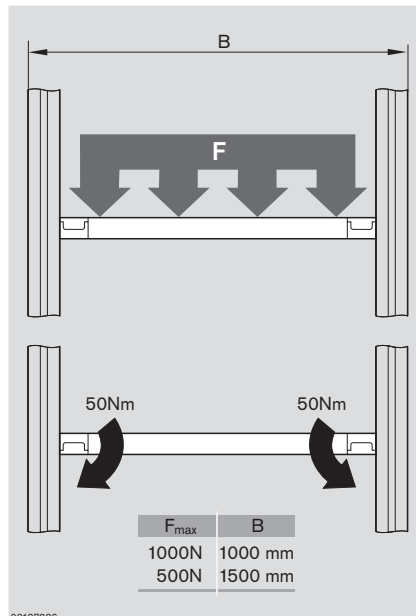
## Profilati

		Profilato 40x40L	Profilato 45x45L	Profilato 60x60L	Profilato 40x80L	Profilato 45x90L
						
		(☞ N° di catalogo 3 842 529 114)	(☞ N° di catalogo 3 842 529 114)	(☞ N° di catalogo 3 842 529 114)	(☞ N° di catalogo 3 842 529 114)	(☞ N° di catalogo 3 842 529 114)
Momento d'inerzia	$I_x$ [cm <sup>4</sup> ]	9,0	14,0	32,4	63,4	81,9
	$I_y$ [cm <sup>4</sup> ]	9,0	14,0	32,4	17,3	23,6
Momento di resistenza	$W_x$ [cm <sup>3</sup> ]	4,5	6,1	10,8	15,9	18,2
	$W_y$ [cm <sup>3</sup> ]	4,5	6,1	10,8	8,7	10,5
Sup. profilato A	[cm <sup>2</sup> ]	5,6	7,5	9,6	9,9	11,2
Massa	[kg/m]	1,5	2,0	2,6	2,7	3,1

		Profilato D28
		
N° di materiale/ pagina		<b>3 842 993 317</b> <b>3 842 535 118</b> (☞ 3-40)
Momento d'inerzia	$I$ [cm <sup>4</sup> ]	1,53
Momento di resistenza	$W_p$ [cm <sup>3</sup> ]	1,1
Sup. profilato A	[cm <sup>2</sup> ]	2,35
Massa	[kg/m]	0,68

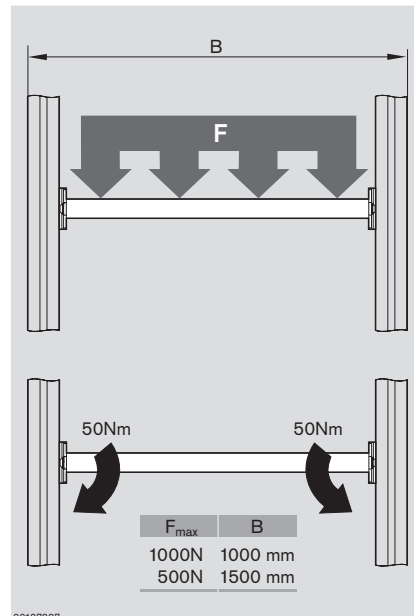
## Dati tecnici

## Traverse



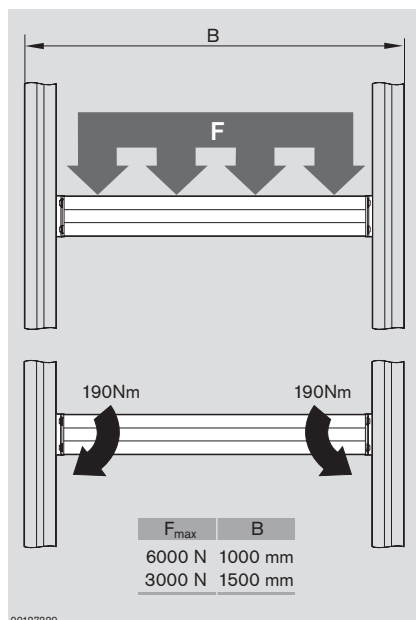
Traversa tubolare RT

3 842 993 330 (☞ 3-20)



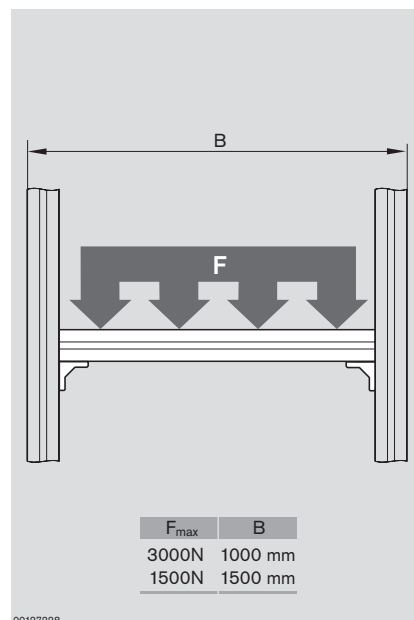
Traversa tubolare con angolare RTW

3 842 998 313 (☞ 3-20)



Traversa tubolare doppia con angolare DRT

3 842 998 314 (☞ 3-21)



Traversa profilata ST

3 842 993 401 (☞ 3-21)

Dati tecnici

## Linee di trasporto

Linea di trasporto XLean con portaguide.  
Rulli con  $\varnothing$  28 mm con e senza  
bordino.

**3 842 998 196** (☞ 3-22)



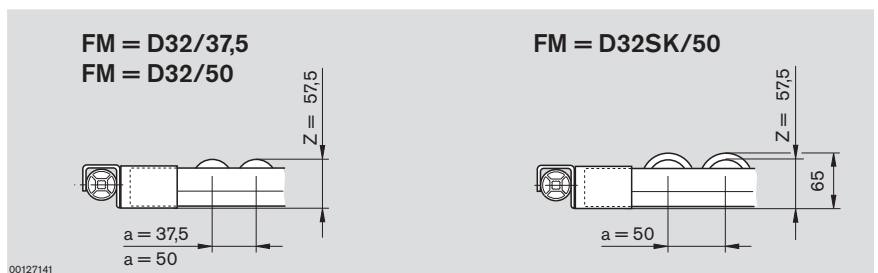
Linea di trasporto Lean con portaguide.  
Rulli con  $\varnothing$  32 mm con e senza bordino.  
Rulli con  $\varnothing$  47 mm senza bordino.

**3 842 998 381** (☞ 3-26)

**3 842 998 389** (☞ 3-26)

**3 842 998 382** (☞ 3-27)

**3 842 998 390** (☞ 3-27)



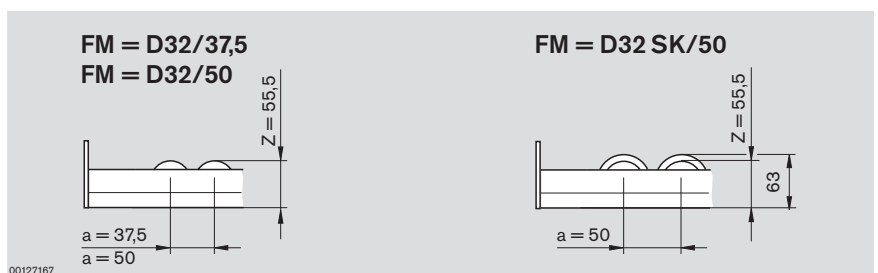
Linea di trasporto Lean con piastra di  
chiusura.  
Rulli con  $\varnothing$  32 mm con e senza bordino.  
Rulli con  $\varnothing$  47 mm senza bordino.

**3 842 998 383** (☞ 3-28)

**3 842 998 391** (☞ 3-28)

**3 842 998 384** (☞ 3-29)

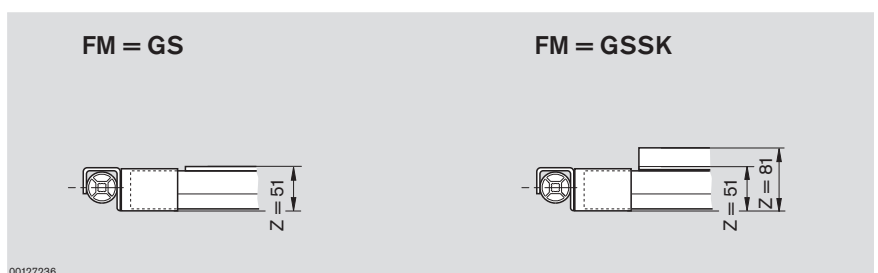
**3 842 998 392** (☞ 3-29)



Linea di trasporto Lean con portaguide.  
Guida scorrevole con e senza bordino.

**3 842 998 387** (☞ 3-30)

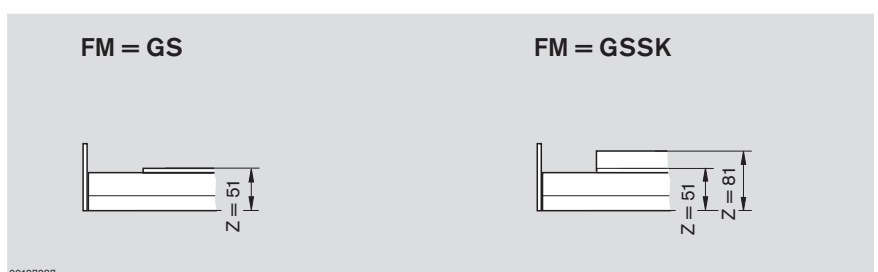
**3 842 998 393** (☞ 3-30)



Linea di trasporto Lean con piastra di  
chiusura.  
Guida scorrevole con e senza bordino.

**3 842 998 388** (☞ 3-31)

**3 842 998 394** (☞ 3-31)



Dati tecnici

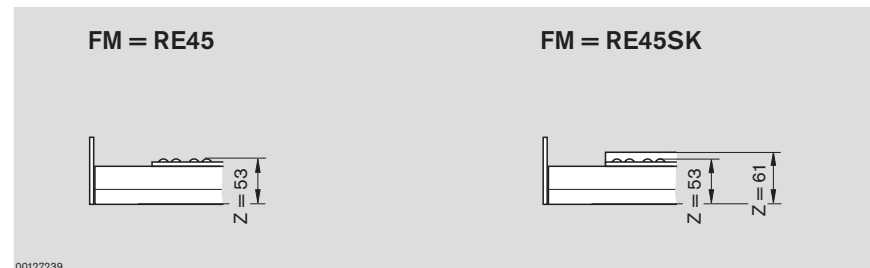
Linea di trasporto Lean con portaguide.  
Elementi a rulli con e senza bordino.

- 3 842 998 385 (☞ 3-32)
- 3 842 998 407 (☞ 3-32)



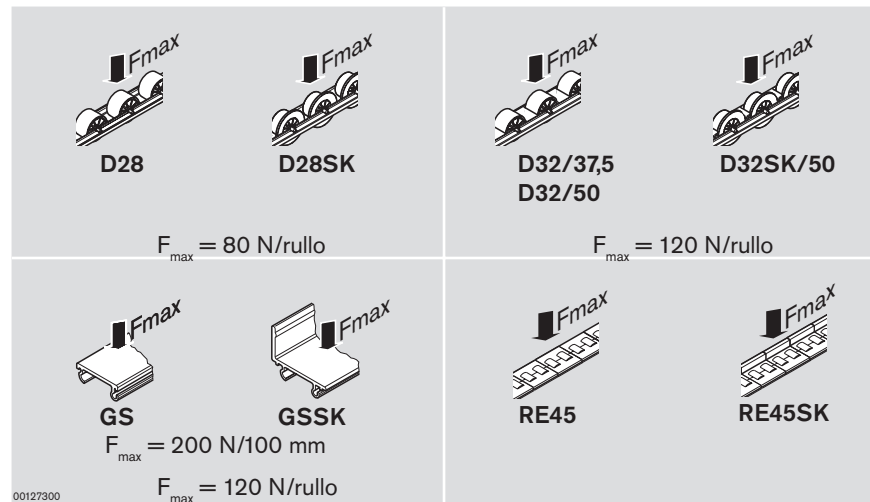
Linea di trasporto Lean con piastra di chiusura.  
Elementi a rulli con e senza bordino.

- 3 842 998 386 (☞ 3-33)
- 3 842 998 409 (☞ 3-33)



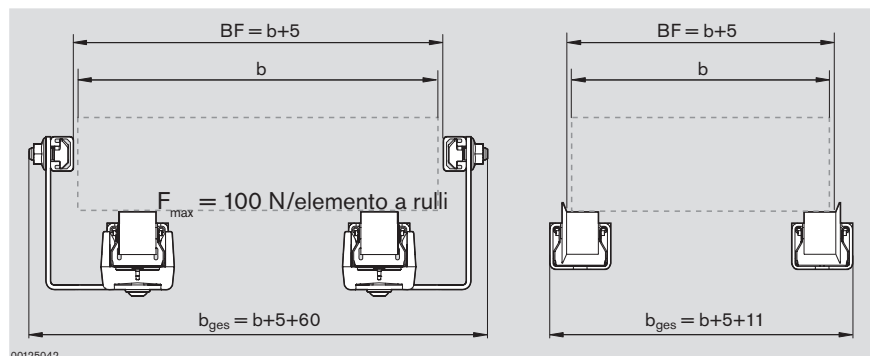
Mezzi di trasporto

- D28, D28SK (☞ 3-47)
- D32/37,5, D32/50, D32SK/50,
- GS, GSSK (☞ 3-55)
- RE45, RE45SK (☞ 3-55)



Linee di trasporto con e senza guida laterale

Linee di trasporto con e senza guida laterale

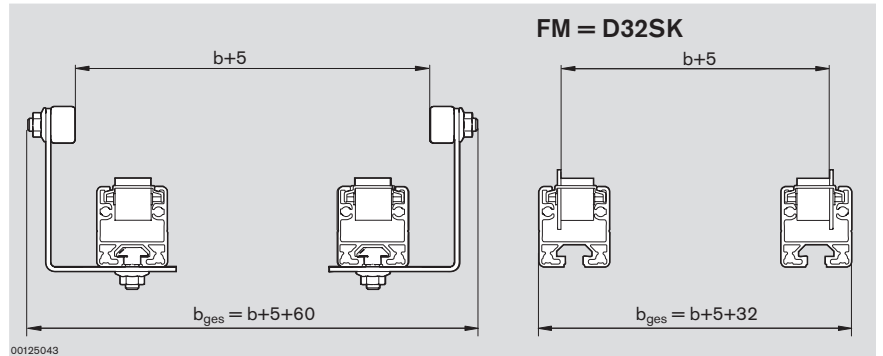


Dati tecnici

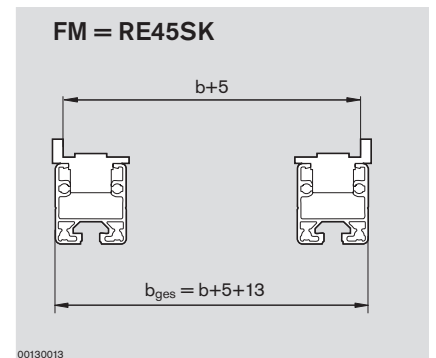
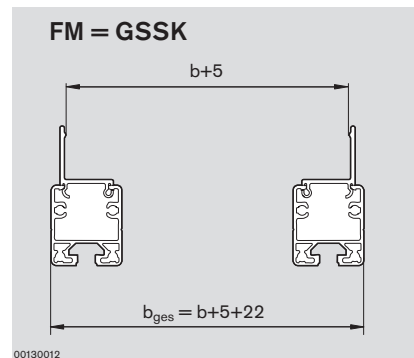
Linea di trasporto XLean

Nella linea di trasporto con guida laterale  
vale FM = D32, GS, RE, RE45

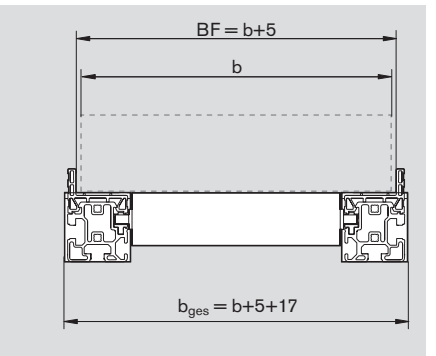
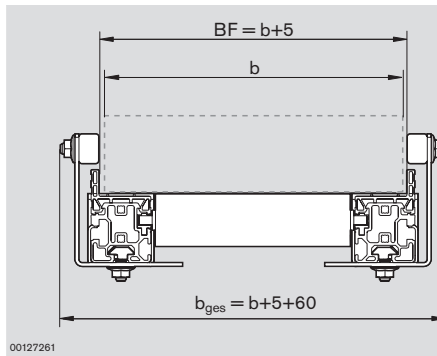
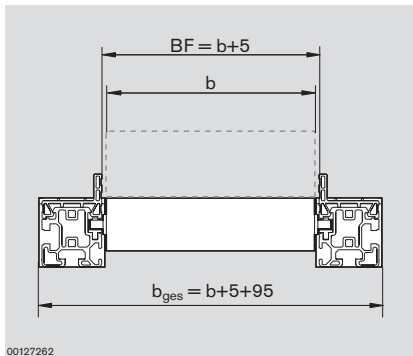
$b_{ges} = b + 5 + 60$



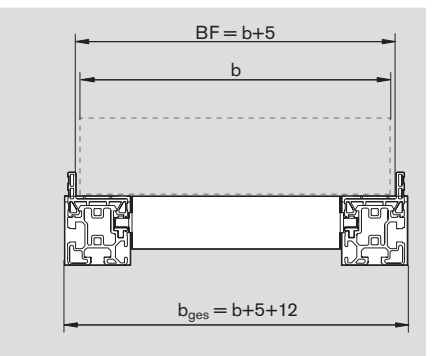
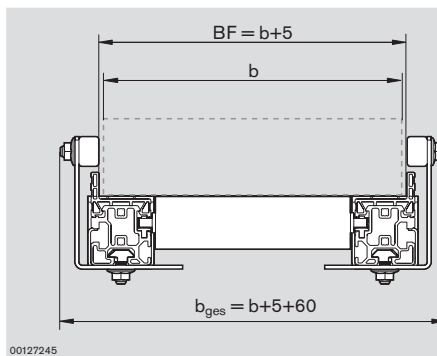
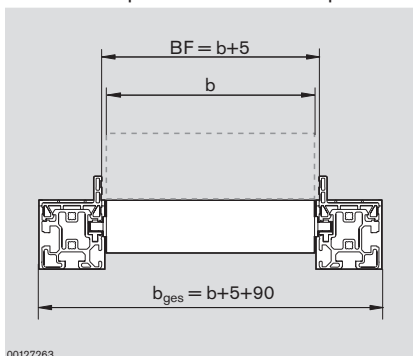
Linea di trasporto Lean



Linea di trasporto EcoFlow con portaguide



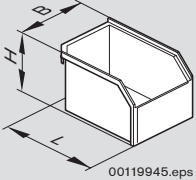
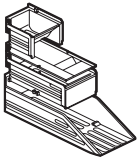
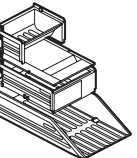
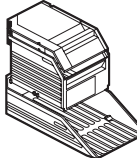
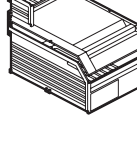



Linea di trasporto EcoFlow con piastra di chiusura



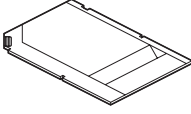
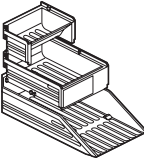
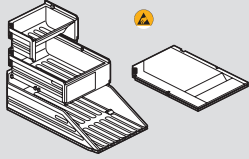
Dati tecnici

## Contenitori di prelievo in plastica

(☞ 3-68, ☞ 3-69, ☞ 3-70)

					Valore limite di carico statico	
		B x H x L [mm]	[cm <sup>3</sup> ]	N° di materiale	Fissaggio del contenitore [kg]	Profilato di sospensione [kg]
	GB-S08	82 x 50 x 86	150	3 842 344 764	11	17
				☹ 3 842 346 294	6	10
	GB-A0805	77 x 13 x 173	–	3 842 344 756	–	–
				☹ 3 842 346 286	–	–
	GB-0805	82 x 50 x 173	370	3 842 344 750	10	26
				☹ 3 842 346 280	6	15
	GB-Z08	90 x 54 x 277	690	3 842 344 760	10	30
				☹ 3 842 346 290	6	18
	GB-S12	123 x 50 x 86	240	3 842 344 765	11	19
				☹ 3 842 346 295	6	11
	GB-A1205	117 x 13 x 173	–	3 842 344 757	–	–
				☹ 3 842 346 287	–	–
	GB-1205	123 x 50 x 173	600	3 842 344 751	10	26
				☹ 3 842 346 281	6	15
	GB-Z12	131 x 54 x 277	1050	3 842 344 761	6	23
				☹ 3 842 346 291	3	13
	GB-A1210	117 x 32 x 173	–	3 842 344 758	–	–
				☹ 3 842 346 288	–	–
	GB-1210	123 x 100 x 173	1370	3 842 344 752	10	26
				☹ 3 842 346 282	6	15
	GB-Z12	131 x 54 x 277	1050	3 842 344 761	6	23
				☹ 3 842 346 291	3	13
	GB-S17	173 x 50 x 86	360	3 842 344 766	11	21
				☹ 3 842 346 296	6	12
	GB-A1710	167 x 32 x 245	–	3 842 344 759	–	–
				☹ 3 842 346 289	–	–
	GB-1710	173 x 100 x 245	3050	3 842 344 753	13	30
			☹ 3 842 346 283	8	18	

## Dati tecnici

			
Materiale	PC	ABS	ABS-CF    ABS-GF7
Resistenza di superficie	$10^{15} \Omega/\text{sq}$	$10^{14} \Omega/\text{sq}$	$10^4 - 10^6 \Omega/\text{sq}$
Resistenza di scorrimento specifica	$10^{16} \Omega\text{cm}$	$10^{14} \Omega\text{cm}$	$10^4 - 10^6 \Omega\text{cm}$
Temperatura di funzionamento min – max	-40 °C – 115 °C	-40 °C – 70 °C	-40 °C – 70 °C
Resistente a	Acidi e basi diluiti, alcool (tranne metanolo), grassi, oli, glicole, acqua	Acidi deboli, basi, alcool, grassi, oli, acqua	Acidi deboli, basi, alcool, grassi, oli, acqua

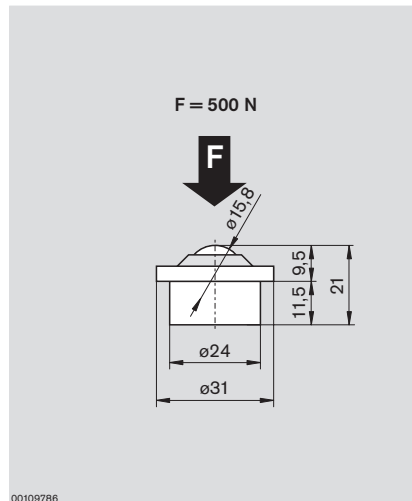
Dati tecnici

## Concatenamento manuale (EcoFlow)

## Prodotti EcoFlow

Rullo a sfere EcoFlow

3 842 525 748 (📄 4-17)



$F_{\max}$ [N]	500
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Incastellatura per pianale ad angolo

3 842 992 426 (📄 4-16)

3 842 352 061 (📄 4-16)

3 842 523 442 (📄 4-16)

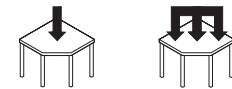
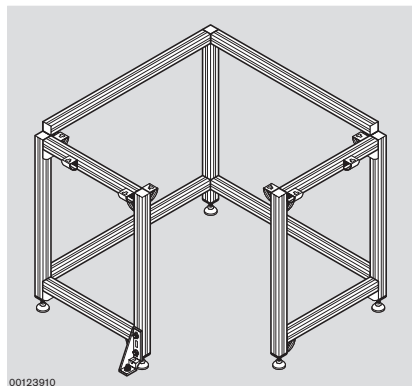
3 842 502 674 (📄 4-16)

3 842 992 425 (📄 4-16)

3 842 521 677 (📄 4-16)

3 842 535 571 (📄 4-16)

3 842 523 561 (📄 4-16)



$F_{\max}$ [N]	1000	1500
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Carico concentrato



Carico per unità di superficie

Dati tecnici

# Carrelli portamateriali

## Carrello portamateriali secondo i desideri del cliente

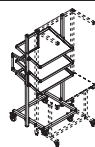
Peso totale max. =  
peso netto del carrello + carico

Peso totale max. carrello  
portamat. sul posto di lavoro

Peso totale max. carrello  
portamateriali Logistics

**3 842 998 231** (☞ 5-7)

**3 842 998 230** (☞ 5-9)



<b>ESD = 0</b>	300 kg	300 kg
<b>ESD = 1</b>	380 kg	380 kg

Carico max. dei piani per il flusso di materiale

	<b>T<sub>E</sub> (mm)</b>	<b>1220</b>	<b>1220</b>	<b>840</b>	<b>765</b>	<b>1000</b>	<b>1000</b>	<b>840</b>	<b>765</b>
	<b>B<sub>E</sub> (mm)</b>	<b>1480</b>	<b>840</b>	<b>1480</b>	<b>840</b>	<b>1000</b>	<b>840</b>	<b>1000</b>	<b>840</b>
M = 1	F <sub>E</sub> (N)	700	700	700	1000				
M = 2, 3	F <sub>E</sub> (N)					250	280	280	360

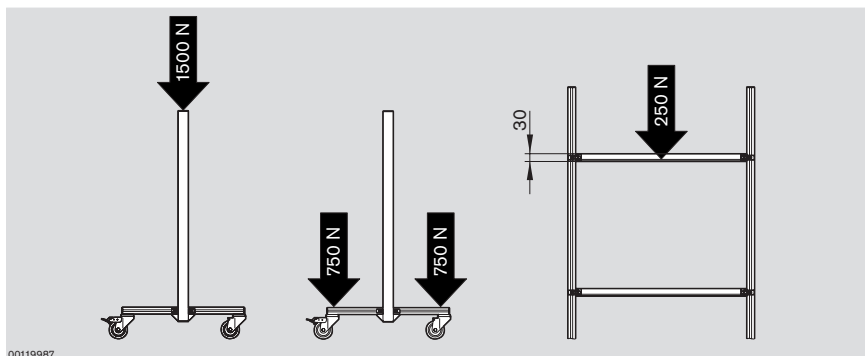
F<sub>E</sub> è un carico per unità di superficie e non deve presentarsi come carico concentrato.

M = 1	Alluminio
M = 2	PP
M = 3	ESD (SB)

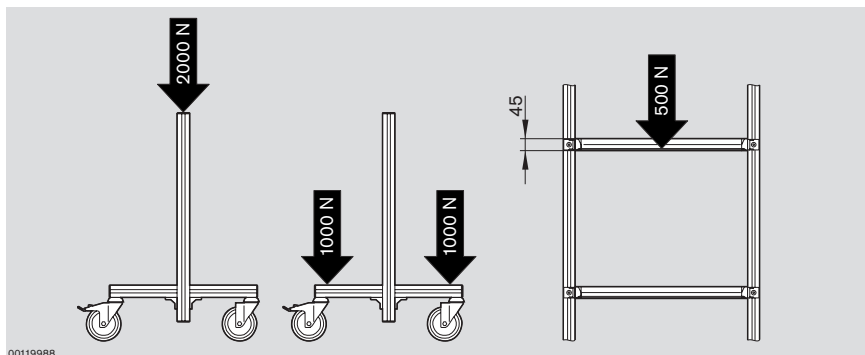
Dati tecnici

**Carrelli portamateriali standard**

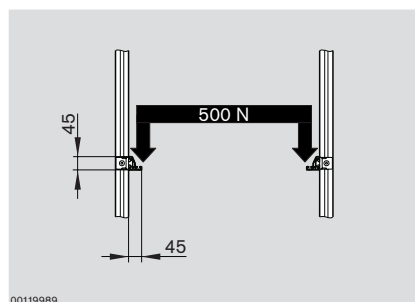
Carrello portamateriali Economic

**3 842 515 481** (📄 5-10)**3 842 518 120** (📄 5-10)**3 842 515 482** (📄 5-10)**3 842 518 121** (📄 5-10)

Carrello portamateriali Basic

**3 842 515 483** (📄 5-11)**3 842 515 484** (📄 5-11)**3 842 508 181** (📄 5-11)**3 842 508 182** (📄 5-11)

Carrello portamateriali con profilato angolare

**3 842 505 360** (📄 5-13)**3 842 992 412** (📄 5-13)**3 842 508 104** (📄 5-13)

Carrello portamateriali con profilato di sospensione

**3 842 998 215** (📄 5-13)