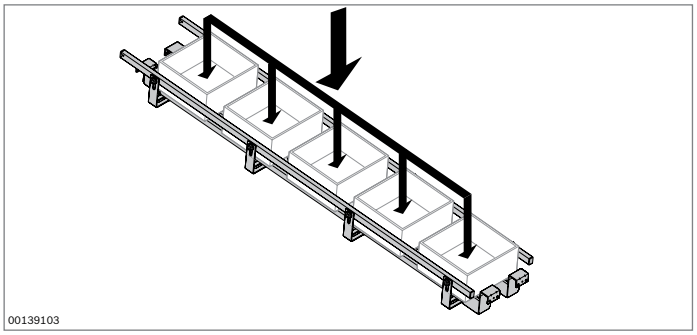
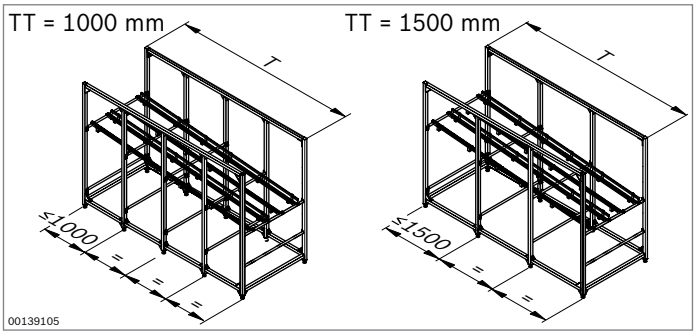
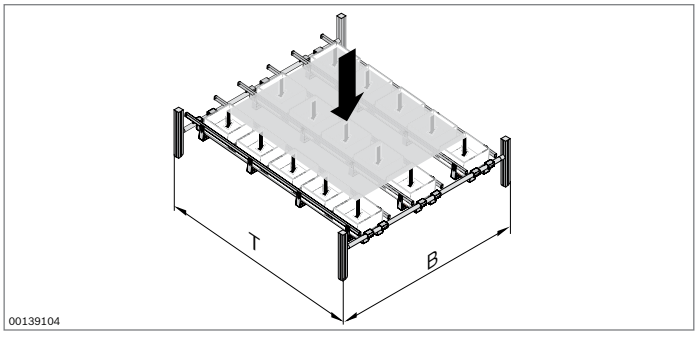
Flow rack systems







Flow rack systems XLean, Lean, EcoFlow

Max. load per track

$F_{\Sigma} = F_R + F_B + F_T$

F_{Σ} is a distributed load and may not occur as a point load.
F_R = Weight of roller conveyors
F_B = Weight of containers
F_T = Weight of stored parts

	TT = 1000 mm		TT = 1500 mm	
	$F_{\Sigma max}$ [1]		$F_{\Sigma max}$ [1]	
XLean	650	N/1000 mm	450	N/1000 mm
Lean	1300	N/1000 mm	900	N/1000 mm
EcoFlow	2100	N/1000 mm	1400	N/1000 mm

[1] Max. permissible load $F_{\Sigma max}$ per 1000 mm of conveyor track

Max. load per shelf

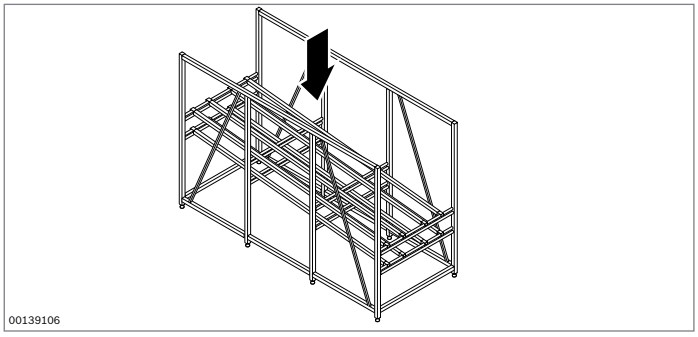
$F_{\Sigma} = F_R + F_B + F_T$

F_{Σ} is a distributed load and may not occur as a point load.
F_R = Weight of roller conveyors
F_B = Weight of containers
F_T = Weight of stored parts

TT = 1000 mm	TT = 1500 mm	B ≤ 1000 mm			1000 < B ≤ 1500 mm		
		PT = RT PT = RTW	PT = DRT	PT = ST	PT = RT PT = RTW	PT = DRT	PT = ST
T (mm)	T (mm)	$F_{\Sigma max}$ [1]	$F_{\Sigma max}$ [1]	$F_{\Sigma max}$ [1]	$F_{\Sigma max}$ [1]	$F_{\Sigma max}$ [1]	$F_{\Sigma max}$ [1]
T ≤ 1000	T ≤ 1500	2000 N	12000 N	6000 N	1000 N	6000 N	3000 N
1000 < T ≤ 2000	1500 < T ≤ 3000	3000 N	18000 N	9000 N	1500 N	9000 N	4500 N
2000 < T ≤ 3000	3000 < T ≤ 4500	4000 N	20000 N [2]	12000 N	2000 N	12000 N	6000 N
3000 < T ≤ 4000	4500 < T ≤ 6000	5000 N	20000 N [2]	15000 N	2500 N	15000 N	7500 N
4000 < T ≤ 5000	–	6000 N	20000 N [2]	18000 N	3000 N	18000 N	9000 N
5000 < T ≤ 6000	–	7000 N	20000 N [2]	20000 N [2]	3500 N	20000 N [2]	10500 N

[1] Max. permissible load $F_{\Sigma max}$ per shelf

[2] Limited to F_{Σ} = 20000 N per flow rack



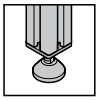
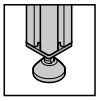
Max. load per flow rack

$$F_{\Sigma} = F_R + F_B + F_T$$

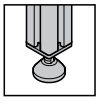
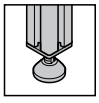
F_{Σ} is a distributed load and may not occur as a point load.
F_R = Weight of roller conveyors
F_B = Weight of containers
F_T = Weight of stored parts

3 842 998 249 (see page 88)
3 842 998 332 (see page 90)
3 842 998 322 (see page 92)

Max. permissible load per flow rack

Standard load version (LV = 1)		**Two side elements (Typ 2)**		**One side element (Typ 1)**	
					
TT = 1000	**TT = 1500**	**FU = LR**	**FU = GF**	**FU = LR**	**FU = GF**
T (mm)	**T** (mm)	$F_{\Sigma max}$ [1)]	$F_{\Sigma max}$ [1)]	$F_{\Sigma max}$ [1)]	$F_{\Sigma max}$ [1)]
T ≤ 1000	T ≤ 1500	3600 N	4000 N	1800 N	2000 N
1000 < T ≤ 2000	1500 < T ≤ 3000	4000 N	4000 N	2000 N	2000 N
2000 < T ≤ 3000	3000 < T ≤ 4500	4000 N	4000 N	2000 N	2000 N
3000 < T ≤ 4000	4500 < T ≤ 6000	4000 N	4000 N	2000 N	2000 N
4000 < T ≤ 5000	–	4000 N	4000 N	2000 N	2000 N
5000 < T ≤ 6000	–	4000 N	4000 N	2000 N	2000 N

1) Max. permissible load $F_{\Sigma max}$ per flow rack; standard load version (LV = 1)

Reinforced load version (LV = 2)		**Two side elements (Typ 2)**		**One side element (Typ 1)**	
					
TT = 1000	**TT = 1500**	**FU = LR**	**FU = GF**	**FU = LR**	**FU = GF**
T (mm)	**T** (mm)	$F_{\Sigma max}$ [2)]	$F_{\Sigma max}$ [2)]	$F_{\Sigma max}$ [2)]	$F_{\Sigma max}$ [2)]
T ≤ 1000	T ≤ 1500	3600 N	20000 N	1800 N	10000 N
1000 < T ≤ 2000	1500 < T ≤ 3000	4000 N	20000 N	2000 N	10000 N
2000 < T ≤ 3000	3000 < T ≤ 4500	4000 N	20000 N	2000 N	10000 N
3000 < T ≤ 4000	4500 < T ≤ 6000	4800 N	20000 N	2400 N	10000 N
4000 < T ≤ 5000	–	5600 N	20000 N	2800 N	10000 N
5000 < T ≤ 6000	–	6400 N	20000 N	3200 N	10000 N

2) Max. permissible load $F_{\Sigma max}$ per flow rack; reinforced load version (LV = 2)