

BaseRunner and RackRunner Technical Data Tugger Train Trailers

BaseRunner

RackRunner



BaseRunner Tugger Train Trailers

Simply moving everything

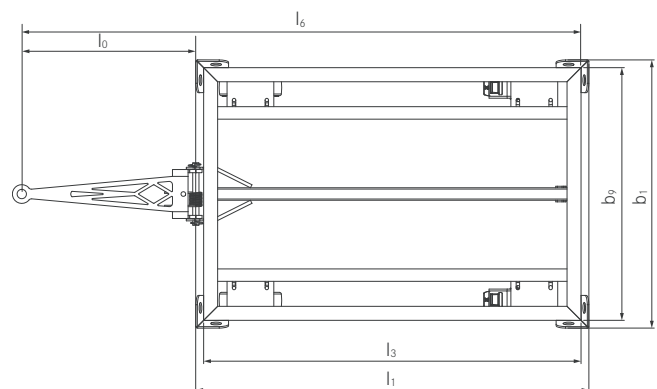
This specification sheet as per VDI Guideline 2198 only provides the technical values for the standard truck. Different tyres, other masts, additional equipment, etc. may produce different values.



		Manufacturer			STILL	STILL
Features	1.1	Manufacturer				
	1.2	Manufacturer's type designation			BaseRunner 1200 x 800	BaseRunner 1200 x 1000
	1.2.1	Load dimensions (length x width)		mm	1200 x 800	1200 x 1000
	1.5	Capacity/load	Q	kg	1000	1000
	1.5.1	Capacity		kg	1000	1000
Weight	2.1	Empty weight		kg	49	52
Wheels	3.1	Tyres			Polyurethane	Polyurethane
	3.2	Tyre size	front/rear	mm	∅ 200/200	∅ 200/200
	3.5	Number of wheels	front/rear		2/2	2/2
Basic dimensions	4.2.1	Total height	h_{15}	mm	361	361
	4.12	Clutch height	h_5	mm	205	205
	4.13	Loading height of 1 st level	h_1	mm	290	290
	4.14	Tiller length	l_0	mm	588	588
	4.14.1	Total length incl. tiller	l_6	mm	1864	1864
	4.16	Loading area length	l_3	mm	1210	1210
	4.18	Loading area width	b_p	mm	810	1010
	4.19	Total length	l_1	mm	1292	1292
	4.21	Total width	b_1	mm	810	1010
	4.35	Turning circle (tugger truck LTX 50/LTX 70)	$2 \times W_a$	mm	3900	3900
	4.35.1	Turning radius (tugger truck LTX 50/LTX 70)	W_a	mm	1950	1950
	4.41	Tiller height	h_{11}	mm	230	230
Misc. Performance	5.1	Max. speed		km/h	6	6
Misc.	10.1	Recommended number of trailers			4	4



Side view BaseRunner



Top view BaseRunner

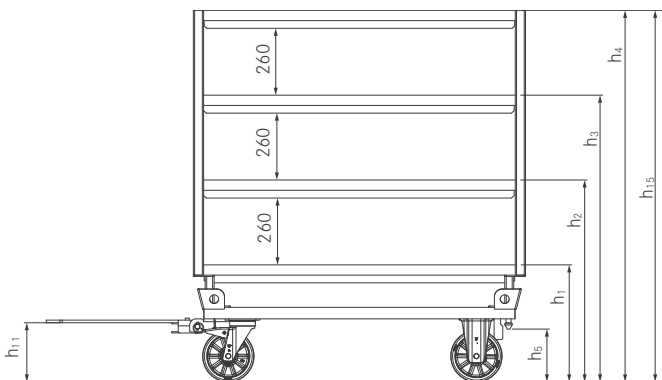
RackRunner Tugger Train Trailers

Simply moving everything

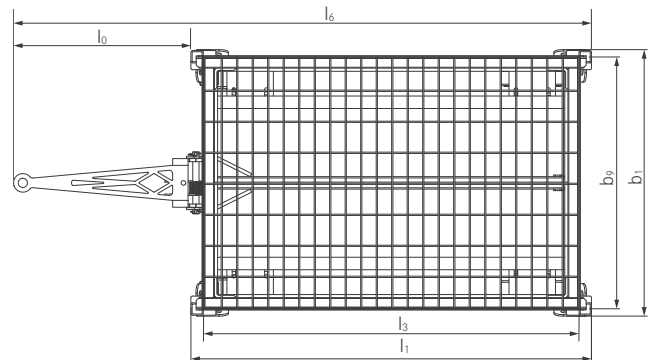
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Features		1.1	Manufacturer		STILL	STILL	STILL	STILL	STILL	STILL	
Features	1.2	Manufacturer's type designation			RackRunner with mesh shelves 1200 x 800 2 levels	RackRunner with mesh shelves 1200 x 800 3 levels	RackRunner with mesh shelves 1200 x 800 4 levels	RackRunner with aluminium shelves 1200 x 800 2 levels	RackRunner with aluminium shelves 1200 x 800 3 levels	RackRunner with aluminium shelves 1200 x 800 4 levels	
	1.2.1	Load dimensions (length x width)		mm	1200 x 800	1200 x 800	1200 x 800	1200 x 800	1200 x 800	1200 x 800	
	1.5	Capacity/load	Q	kg	400	600	800	400	600	800	
	1.5.1	Capacity, level 1/2/3/4		kg	200/200/-/-	200/200/200/-	200/200/200/200	200/200/-/-	200/200/200/-	200/200/200/200	
Weight		2.1	Empty weight	kg	90	105	124	73	85	96	
Wheels		3.1	Tyres		Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane	
	3.2	Tyre size	front/rear	mm	∅ 200/200	∅ 200/200	∅ 200/200	∅ 200/200	∅ 200/200	∅ 200/200	
	3.5	Number of wheels	front/rear		2/2	2/2	2/2	2/2	2/2	2/2	
Basic dimensions		4.2.1	Total height	h_{15}	mm	945	1115	1445	965	1325	1770
	4.12	Clutch height		h_5	mm	205	205	205	205	205	205
	4.13	Loading height of 1 st level		h_1	mm	455	455	455	420	420	420
	4.13.1	Loading height of 2 nd level		h_2	mm	945	785	785	960	870	870
	4.13.2	Loading height of 3 rd level		h_3	mm	-	1115	1115	-	1320	1320
	4.13.3	Loading height of 4 th level		h_4	mm	-	-	1445	-	-	1770
	4.14	Tiller length		l_0	mm	588	588	588	588	588	588
	4.14.1	Total length incl. tiller		l_6	mm	1864	1864	1864	1864	1864	1864
	4.16	Loading area length		l_3	mm	1212	1212	1212	1212	1212	1214
	4.18	Loading area width		b_9	mm	815	815	815	815	815	824
	4.19	Total length		l_1	mm	1292	1292	1292	1292	1292	1292
	4.21	Total width		b_1	mm	860	860	860	860	860	860
	4.35	Turning circle (tugger truck LTX 50/LTX 70)		$2x W_a$	mm	3900	3900	3900	3900	3900	3900
	4.35.1	Turning radius (tugger truck LTX 50/LTX 70)		W_a	mm	1950	1950	1950	1950	1950	1950
	4.41	Tiller height		h_{11}	mm	230	230	230	230	230	230
Misc. Performance		5.1	Max. speed		km/h	6	6	6	6	6	6
Misc.		10.1	Recommended number of trailers			4	4	4	4	4	4



Side view RackRunner with mesh shelves, 4 levels



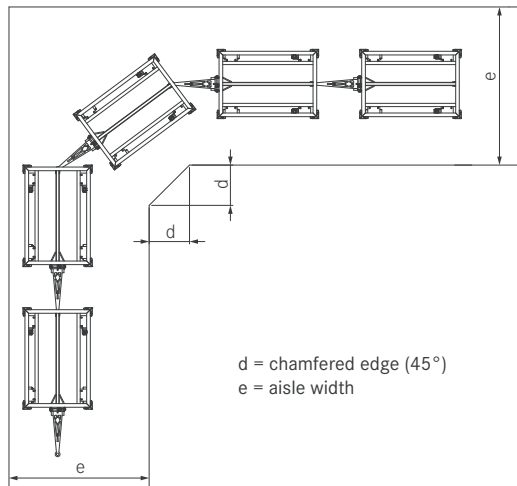
Top view RackRunner

BaseRunner and RackRunner Tugger Train Trailers

Aisle Widths

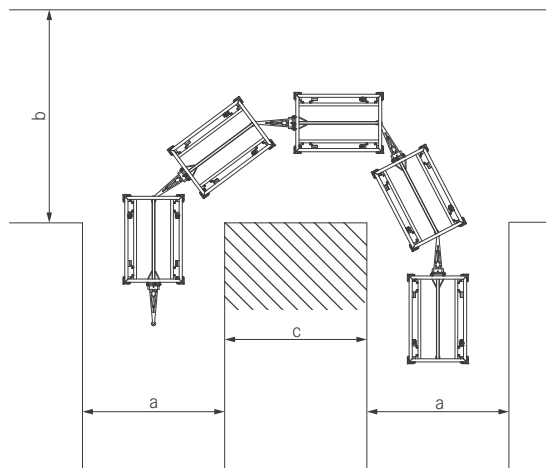


90° curve Minimal aisle width	Number of trailers	Train length in mm without tugger truck	d (chamfered edge) in mm (without oncoming traffic) with LTX 50/LTX 70	e (aisle width in mm without oncoming traffic with LTX 50/LTX 70)
BaseRunner 1200 x 800 mm	2	3540	0/500/1000	2300/2100/2000
	3	5310	0/500/1000	2500/2350/2150
	4	7080	0/500/1000	2650/2500/2300
	5	8850	0/500/1000	2800/2650/2400
BaseRunner 1200 x 1000 mm	2	3540	0/500/1000	2550/2350/2250
	3	5310	0/500/1000	2750/2600/2400
	4	7080	0/500/1000	2900/2750/2550
	5	8850	0/500/1000	3050/2900/2650
RackRunner 1200 x 800 mm	2	3540	0/500/1000	2300/2100/2000
	3	5310	0/500/1000	2500/2350/2150
	4	7080	0/500/1000	2650/2500/2300
	5	8850	0/500/1000	2800/2650/2400



90° track curve

180° curve Minimal aisle width	Number of trailers	Train length in mm without tugger truck	a (aisle width in mm without oncoming traffic with LTX 50/LTX 70)	b (aisle width in mm without oncoming traffic with LTX 50/LTX 70)	c (distance in mm between the aisles)
BaseRunner 1200 x 800 mm	2	3540	2500	2600	2500
	3	5310	2500	2900	2500
	4	7080	2500	3500	2500
	5	8850	2500	4300	2500
BaseRunner 1200 x 1000 mm	2	3540	2750	2850	2750
	3	5310	2750	3150	2750
	4	7080	2750	3750	2750
	5	8850	2750	4550	2750
RackRunner 1200 x 800 mm	2	3540	2500	2850	2750
	3	5310	2500	3150	2750
	4	7080	2500	3750	2750
	5	8850	2500	4550	2750



a = aisle width
b = aisle width
c = distance between the aisles

180° track curve

BaseRunner and RackRunner Tugger Train Trailers Detailed Photos



Low-noise, non-marking polyurethane castors



Tiller with spring mechanism for easy coupling and decoupling



Shelving made from steel mesh to prevent build-up of dirt



Aluminium RackRunner with adjustable shelves



Optional anti-slip mats for improved securing of loads



Optional foot guard for additional operator safety

BaseRunner and RackRunner Tugger Train Trailers

Simply moving everything

The smart introduction to lean production

Insertion corners for fast and safe loading

Easy coupling and decoupling thanks to spring-supported tiller system



BaseRunner

STILL BaseRunners are flexible, reliable and extremely durable. The powder-coated steel BaseRunners by STILL make large load carriers easy to transport. A further advantage: with the easy-to-operate coupling systems, several trailers can be easily connected within one train, with a maximum total train weight of 3,000 kg. The operator can also rely on excellent directional stability and a small turning radius

thanks to two swivel castors with brakes, as well as two fixed castors. Insertion corners not only ensure quick and safe loading of the STILL BaseRunners, but also secure the load. To ensure that all this is done as quietly as possible, the high-quality, non-marking rollers enable reliable, low-noise operation. All STILL BaseRunners can be adapted for the STILL LiftRunner tugger train system with minimal effort.

Easy coupling and decoupling thanks to spring-supported tiller system

Made to carry heavy loads with up to 200 kg load capacity per level

Clean by design: no build-up of dirt on the shelves thanks to the robust steel mesh

Convenient loading and unloading of shelf from all sides



RackRunner

The key to intralogistics is flexibility. This is where versatile trailers such as the powder-coated steel RackRunner by STILL – or its non-powder-coated aluminium counterpart – come into their own. Thanks to their user-friendly coupling systems, several trailers can be connected within one train, and the RackRunners, with their height-adjustable aluminium shelves, are the ideal solution for transporting small load carriers and boxes of all kinds. To prevent build-up of dirt on the shelving, the robust steel RackRunners are equipped with strong steel mesh and have an impressive load capacity of up to 200 kg per level. Each level

can be loaded and unloaded from all sides with standardised small load carriers, making use of the whole surface. Two swivel castors with brakes and two fixed castors ensure an impressive level of directional stability and a small turning radius. Their high-quality workmanship makes for easy, low-noise operation and ensures they do not leave marks. The versatility of the trailers makes them exceptionally practical: all RackRunners can be adapted for the STILL LiftRunner tugger train system with minimal effort.



Simply easy

- Easy handling: easy positioning and braking at ground level
- Top ergonomics: easy on the back work with little physical effort due to low rolling resistance
- Optimal access: each level can be loaded and unloaded from all sides with the standardised small load carriers, making use of the whole surface



Simply powerful

- High load capacity and low empty weight: reliable transportation of up to 1,000 kg total load
- Efficient material transportation: impressively high handling capacity with bundled transports
- Reduction in stock levels and production logistics space: high delivery frequency with synchronised production and logistics processes
- Space-saving: a very tight turning circle enables usage in particularly confined spaces



Simply safe

- Always on track: BaseRunner and RackRunner boast exceptionally smooth movement and a high level of directional stability
- Minimised risk of damage: safe and simple loading thanks to insertion corners
- Reduced accident risk: bundled transports and reduced truck traffic ensure high levels of safety
- Simply safe: automatic securing of load thanks to continuous edges on the shelves



Simply flexible

- Highly versatile: flexible transport of load carriers of a wide range of types and dimensions
- Always on the right side: loading can be carried out from the left or the right
- Adjustable use: combined transport of large and small load carriers



BaseRunner and RackRunner Tugger Train Trailers Equipment Variants



	BaseRunner	RackRunner
1200 mm x 800 mm (Euro pallet)	●	●
1200 mm x 800 mm (industrial pallet)	●	—
2 levels with shelving	—	●
3 levels with shelving	—	●
4 levels with shelving	—	●
Height-adjustable shelves	—	●
Foot guard for additional operator safety	○	○
Optional anti-slip mats for improved securing of loads	—	○

● Standard ○ Option — Not available

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STILL is certified in the following areas: Quality management, occupational safety, environmental protection and energy management.

