

Three-axle semitrailer chassis for containers



S.CF 45' with Sliding Bogie Model: S.CF 24 G - 45' Sliding Bogie

Technical specifications

Axles	3 x 9,000 kg
Axle spread front/rear	1,410 mm / 1,310 mm
Wheelbase	5,850 mm / 7,580 mm / 8,150 mm
Disc brake	Ø 430 mm
Tyres	385 / 55 R 22.5"
Maximum semitrailer load	12,000 kg
Gross weight (permissible / technically)	35,000 / 39,000 kg
Unladen weight*	5,700 kg
Overall length when pushed in	9,510 mm
Overall length for 45' container when extended	13,550 mm
Bogie displacement path	2,305 mm
Overall width	2,528 mm
Fifth-wheel height, unloaded (min. / max.)	1,070 / 1,190 mm
Rear loading height, unloaded	1,110 mm
Cranking height	120 mm
High bed length for 40' tunnel container	3,080 mm
High bed length for 45' tunnel container	3,844 mm
Overall height of front frame neck incl. pick-up plate	150 mm

* Unladen weight (+/- 3%) without spare wheel and additional fittings.
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Fittings

Container frame: With King Pin according to DIN 74080; welded-steel structure, hot galvanized, with recess for the front extender; frame on steel rollers, with additional plastic guide slide bearing, displaceably supported on the chassis (bogie) and locked in a double pneumatic manner; automatic control of the sliding process (braking of the bogie, raising and lowering of the air suspension, activation of the lock mechanism)

Container locking of the frame: Standard locking for 1 x 20' front, rear pivoting locking arm as well as central locking spar for 2 x 20' as KLAPP LOCK (folding lock) and standard locking

Front carrier: Manually displaceable with mechanical extension lock; hot galvanized with impact-resistant, covered mounted terminal strip; with MULTI LOCK®-locking for 40' and 45' ISO- and tunnel containers with short tunnels, in retracted state and extended for 45' tunnel container with long tunnel

Pneumatic rear extension: Low-maintenance guiding on special plastic sliders with automatic, pneumatic locking of the extension; hot galvanized with transverse steel stop strip and 2 bolted steel ram buffers; rear locking pair as KLAPP LOCK (folding lock)

Bogie: As displaceable chassis (bogie) mounted under the container frame: painted using environmentally-friendly 2 component acrylic paint

ROTOS® running gear: Trademark components with load-regulated disc brakes incl. EBS (electronic brake system) and RSP (roll stability program); MRH air suspension (multi-ride height); adaptation of the ramp height using central lifting / lowering device with AUTO RESET function

just more.

Trailer

Services

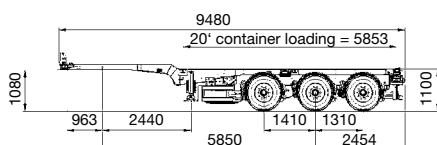
Technology



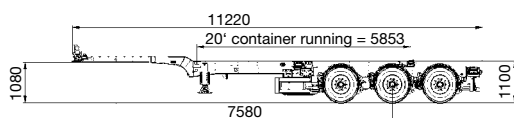
S.CF 45' mit Sliding Bogie Model: S.CF 24 G - 45' Sliding Bogie

Loading plans

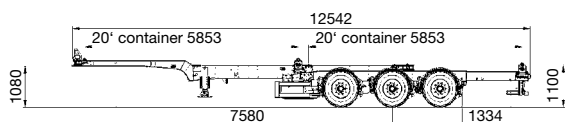
Position 1: 20' container in loading position



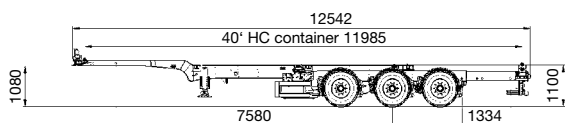
Position 2: 20' container in riding position



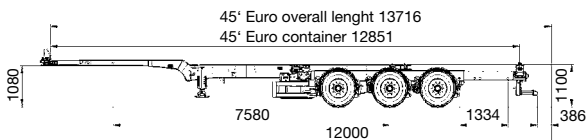
Position 3: 2 x 20' container



Position 4: 40' container

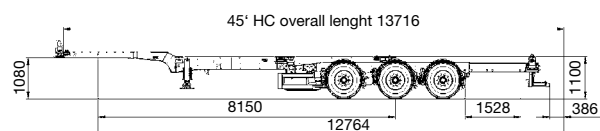


Position 5: 45' container EU with long tunnel and sloping edges

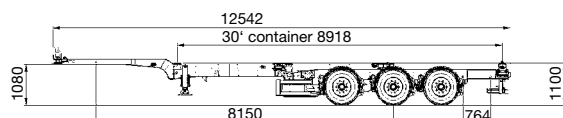


Loading plans

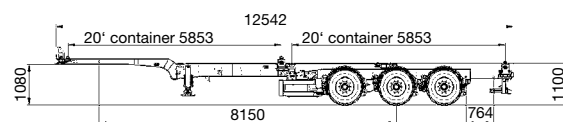
Position 6: 45' container with short tunnel



Position 7: 30' container



Position 8: 2 x 20' container (container front light)



Load distribution

Pos.-no.	Wheelbase	Container	Semitrailer Unit load	Unit load	Gross vehicle weight
1 (20'LP)	5,850 mm	25,400 kg	4,000 kg	27,000 kg	31,000 kg
		30,000 kg	4,470 kg	31,130 kg	35,600 kg
2 (20'FP)	7,580 mm	25,400 kg	9,300 kg	21,700 kg	31,000 kg
		30,000 kg	10,760 kg	24,840 kg	35,600 kg
3 (2x20')	7,580 mm	2x 15,000 kg	10,760 kg	24,840 kg	35,600 kg
4 (40')	7,580 mm	30,000 kg	10,760 kg	24,840 kg	35,600 kg
5 (45'EU)	7,580 mm	30,000 kg	10,760 kg	24,840 kg	35,600 kg
6 (45')	8,150 mm	30,000 kg	9,370 kg	26,430 kg	35,600 kg
7 (30')	8,150 mm	27,500 kg	6,100 kg	27,000 kg	33,100 kg
8 (2x20')	8,150 mm	v. 3,500 kg	3,740 kg	26,360 kg	30,100 kg
		h. 21,000 kg	3,740 kg	26,360 kg	30,100 kg