

**SAF LEAF SPRING SUSPENSION**  
TYPE VB FROM 12,000 KG TO 48,000 KG



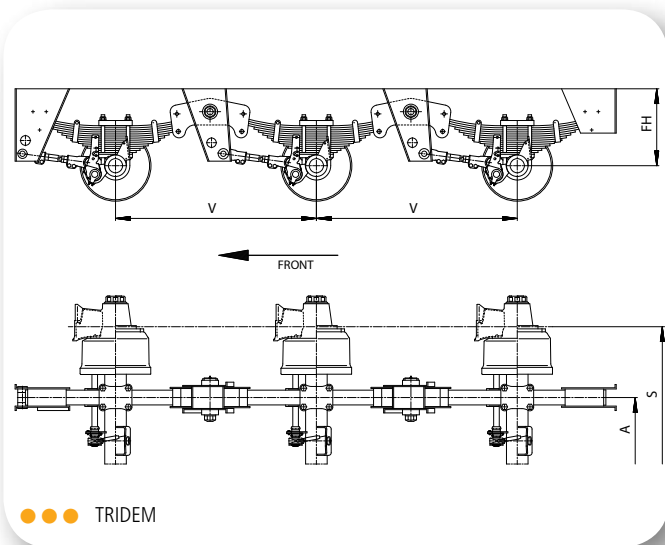
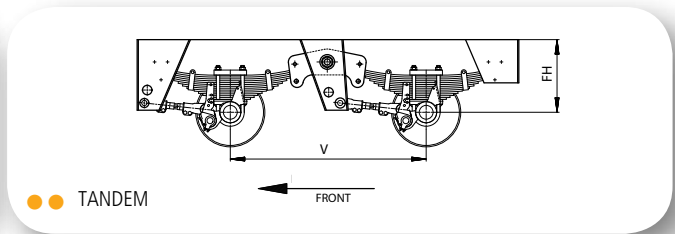
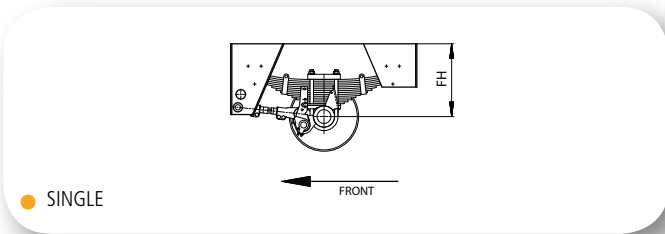
# BENEFITS OF SAF LEAF SPRING SUSPENSION TYPE VB

## Benefits for the trailer manufacturer

- Easy attachment to the chassis and simple transversal and longitudinal bracing due to the practical and solid design of the mounting brackets.
- Use of high-strength, weldable mounting bracket material permits a homogeneous weld without the need for special welding instructions.
- Maintenance-free, adjustable longitudinal torque arms supported by rubber/metal bushings (1 x per axle) permit simple, precise track adjustment. This possibility simplifies the attachment of the suspension to the chassis and has a positive influence on the service life of the tires.
- Available with suspension system loads from 12 to 48 tonnes in single, tandem or tridem axle configuration (higher loads on request).

## Benefits for the end-user

- Higher payloads due to the use of weight-optimized, sturdy components.
- Good manoeuvrability of the tractor/trailer combination thanks to short wheel bases (1,360 mm).
- Long service life of the equalizers due to the support by brass bushings.
- Efficient axle load distribution by high compensation travel. This also means a uniform braking force distribution, and consequently a uniform brake lining wear, higher vehicle stability and safer riding performance.
- Longer service life of the springs and mounting brackets through the use of low-wear, exchangeable spring sliding plates.



V	E	R	Z	T	48	T	Explanation
						T	Underslung
					12 - 48		Suspension system load in tonnes, for VA only the axle capacity in tonnes
				-			Disc wheel
				T			Trilex
				S			Single tires
				Z			Dual tires
				R			Wheel base from 1250 to 1370 mm
				D			Wheel base for 1370 mm and higher
				-			Tubular axle beam
				E			Square axle beam
V							2 or more axles with mechanical suspension
VA							One axle with mechanical suspension

# SAF LEAF SPRING SUSPENSION TYPE VB

## FACTS AND FIGURES AT A GLANCE

Tubular axle beam	Suspension system (kg)	Axle load (kg)			Brake	Track (mm)	Spring center (mm)
Type		•	••	•••		S	A
VAZ 12	12000	12000			SNK 420x200	1844	980
VAZT 12	12000	12000				1856 <sup>1)</sup>	980
VRZ 24	24000		2 x 12000			1844	980
VRZT 24	24000		2 x 12000			1856 <sup>1)</sup>	980
VRZ 36	36000			3 x 12000		1844	980
VRZT 36	36000			3 x 12000		1856 <sup>1)</sup>	980
VAZ 14	14000	14000				1844	940
VAZT 14	14000	14000				1863 <sup>1)</sup>	940
VRZ 28	28000		2 x 14000			1844	940
VRZT 28	28000		2 x 14000			1863 <sup>1)</sup>	940
VRZ 42	42000			3 x 14000		1844	940
VRZT 42	42000			3 x 14000		1863 <sup>1)</sup>	940
VAZ 16	16000	16000				1844	900
VAZT 16	16000	16000				1859 <sup>1)</sup>	900
VRZ 32	32000		2 x 16000			1844	900
VRZT 32	32000		2 x 16000			1859 <sup>1)</sup>	900
VRZ 48	48000			3 x 16000	1844	900	
VRZT 48	48000			3 x 16000	1859 <sup>1)</sup>	900	

Tubular axle beam	Ride height unladen/laden (mm)	Wheel base (mm)	Center of gravity (mm)	Wheel fixing	Recommended tire <sup>2)</sup>	Recommended rim	Wheel dual spacing (M)	Weight (kg)
Typ	FH	V						
VAZ 12	490 / 460	-	1900	10/280/335/M 22 x 1.5	11.00 R 20	8.0 – 20	348	610
VAZT 12	490 / 460	-	1900	TRILEX 20" / Z = 139	11.00 R 20	8.0 – 20	343	650
VRZ 24	490 / 460	1360	1900	10/280/335/M 22 x 1.5	11.00 R 20	8.0 – 20	348	1250
VRZT 24	490 / 460	1360	1900	TRILEX 20" / Z = 139	11.00 R 20	8.0 – 20	343	1330
VRZ 36	490 / 460	1360	1900	10/280/335/M 22 x 1.5	11.00 R 20	8.0 – 20	348	1890
VRZT 36	490 / 460	1360	1900	TRILEX 20" / Z = 139	11.00 R 20	8.0 – 20	343	2010
VAZ 14	490 / 460	-	1900	10/280/335/M 22 x 1.5	12.00 R 24	8.5 – 24	350	850
VAZT 14	490 / 460	-	1900	TRILEX 24" / Z = 147	12.00 R 24	8.5 – 24	364	890
VRZ 28	490 / 460	1360	1900	10/280/335/M 22 x 1.5	12.00 R 24	8.5 – 24	350	1705
VRZT 28	490 / 460	1360	1900	TRILEX 24" / Z = 147	12.00 R 24	8.5 – 24	364	1785
VRZ 42	490 / 460	1360	1900	10/280/335/M 22 x 1.5	12.00 R 24	8.5 – 24	350	2560
VRZT 42	490 / 460	1360	1900	TRILEX 24" / Z = 147	12.00 R 24	8.5 – 24	364	2680
VAZ 16	505 / 473	-	1850	10/280/335/M 22 x 1.5	12.00 R 24	8.5 – 24	360	954
VAZT 16	505 / 473	-	1850	TRILEX 24" / Z = 147	12.00 R 24	8.5 – 24	364	994
VRZ 32	505 / 473	1360	1850	10/280/335/M 22 x 1.5	12.00 R 24	8.5 – 24	360	1891
VRZT 32	505 / 473	1360	1850	TRILEX 24" / Z = 147	12.00 R 24	8.5 – 24	364	1971
VRZ 48	505 / 473	1360	1850	10/280/335/M 22 x 1.5	12.00 R 24	8.5 – 24	360	2838
VRZT 48	505 / 473	1360	1850	TRILEX 24" / Z = 147	12.00 R 24	8.5 – 24	364	2958

1) Track depends on tire size and spacer width (Z)

2) Observe tire load

Further versions on request



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