

SAF LEAF SPRING SUSPENSION
TYPE VB FROM 9,000 KG TO 30,000 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 torque rods 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 tyres.
- Available with axle capacities from 9 to 30 tonnes in single, tandem or tridem suspension configuration.

BENEFITS FOR THE END-USER

- Higher payloads due to the use of weight optimised, sturdy components.
- Good manoeuvrability of the tractor/trailer combination thanks to short wheel bases (1,360 mm).
- Efficient axle load distribution by high compensation travel. This also means a uniform braking force distribution, and consequently uniform brake lining wear, higher vehicle stability and safer riding performance.
- Longer service life of the springs and brackets through the use of low-wear, exchangeable spring sliding plates.
- For tough operating conditions, SAF-HOLLAND offers an HD version: The rubber/metal bushing of the torque rod, the brass bushing (ML) of the equalizer and the hardened steel sliding plates guarantee a long service life.

FACTS AND FIGURES AT A GLANCE

Type		Suspension load capacity (kg)	SNK Brake size	Track/Spring center (mm)		Ride height (mm)		Wheelbase (mm)
Single tyred (S)	Twin tyred (Z)			Single tyred (S)	Twin tyred (Z)	Parabolic spring 02 048 1047 00		
S	Z			S	Z	leer	beladen	
• Single suspension (1 Axle)								
VAS 9	VAZ 9	9.000	420 x 180	2040/1200	1844/980	375	345	–
			367 x 180	2040/1200		365	335	–
			367 x 200		1834/980	365	335	–
			300 x 200		1830/980	365	335	–
VAS 10	VAZ 10	10.000	420 x 200	2040/1200	1844/980	375	340	–
			367 x 200	2040/1200	1834/980	365	330	–
			300 x 200		1830/980	365	330	–
•• Tandem suspension (2 Axles)								
VRS 18	VRZ 18	18.000	420 x 180	2040/1200	1844/980	375	345	1360
			367 x 180	2040/1200		365	335	
			367 x 200		1834/980	365	335	
			300 x 200		1830/980	365	335	
VDS 18	VDZ 18	18.000	420 x 180	2040/1200	1844/980	375	345	1810
			367 x 180	2040/1200		365	335	
			367 x 200		1834/980	365	335	
			300 x 200		1830/980	365	335	
VRS 20	VRZ 20	20.000	420 x 200	2040/1200	1844/980	375	340	1360
			367 x 200	2040/1200	1834/980	365	330	
			300 x 200		1830/980	365	330	
VDS 20	VDZ 20	20.000	420 x 200	2040/1200	1844/980	375	340	1810
			367 x 200	2040/1200	1834/980	365	330	
			300 x 200		1830/980	365	330	
••• Tridem suspension (3 Axles)								
VRS 27	VRZ 27	27.000	420 x 180	2040/1200	1844/980	375	345	1360
			367 x 180	2040/1200		365	335	
			367 x 200		1834/980	365	335	
			300 x 200		1830/980	365	335	
VDS 27	VDZ 27	27.000	420 x 180	2040/1200	1844/980	375	345	1810
			367 x 180	2040/1200		365	335	
			367 x 200		1834/980	365	335	
			300 x 200		1830/980	365	335	
VRS 30	VRZ 30	30.000	420 x 200	2040/1200	1844/980	375	340	1360
			367 x 200	2040/1200	1834/980	365	330	
			300 x 200		1830/980	365	330	
VDS 30	VDZ 30	30.000	420 x 200	2040/1200	1844/980	375	340	1810
			367 x 200	2040/1200	1834/980	365	330	
			300 x 200		1830/980	365	330	

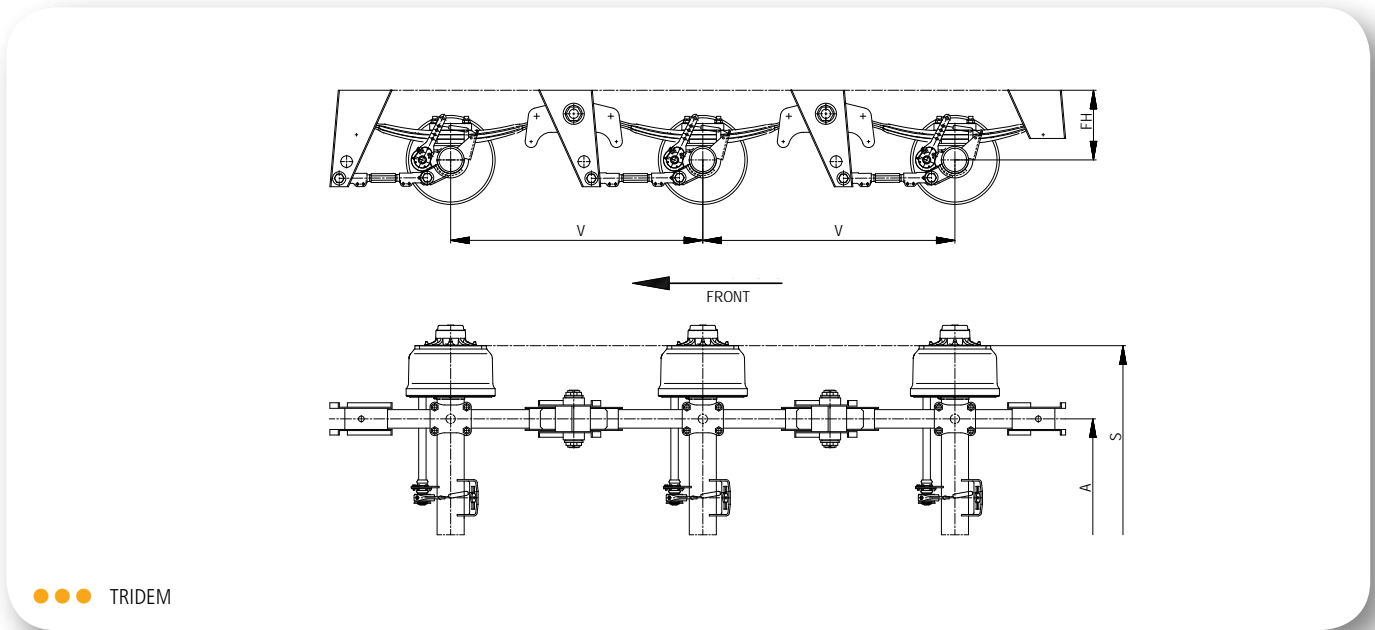
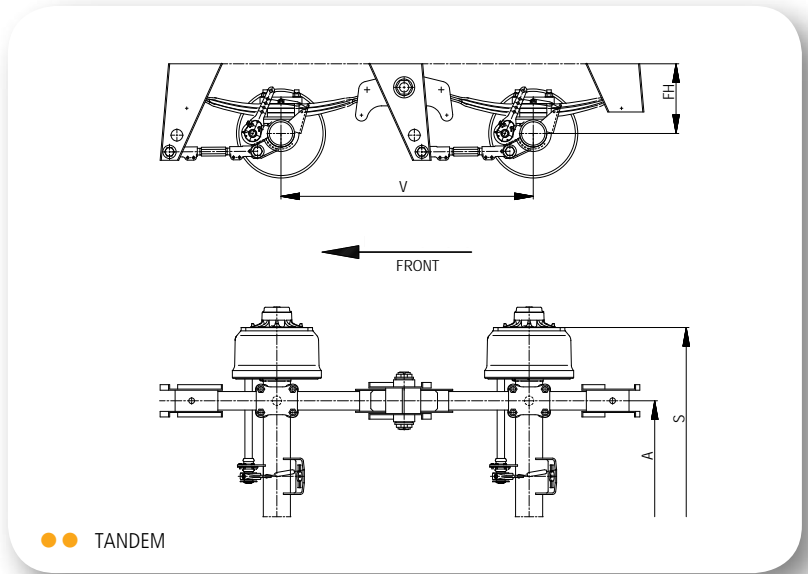
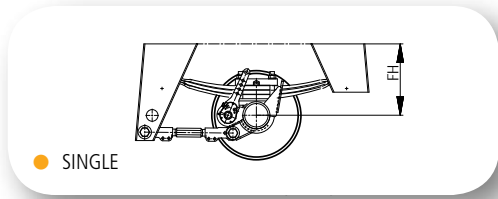
Specification on request: underslung · multi-leaf spring (HD) · axles with disc brakes

FACTS AND FIGURES AT A GLANCE

Type		Center of gravity		Wheel fixing	Recommended tyre		Weight	
Single tyred (S)	Twin tyred (Z)	Parabolic spring 02 048 1047 00		No. of studs/ reference diameter/ rim centering/ Thread: M22 x 1.5			Parabolic spring 02 048 1047 00	
S	Z	S	Z		S	Z	S	Z
• Single suspension (1 Axle)								
VAS 9	VAZ 9	2470	1865	10/335/280	385/65 R 22.5	10 R 22.5	518	535
		2420		8/275/220	425/55 R 19.5		530	
			1785	8/275/220		265/70 R 19.5		542
			1745	10/225/175		235/75 R 17.5		530
VAS 10	VAZ 10	2285	1760	10/335/280	425/65 R 22.5	11 R 22.5	545	537
		2225	1655	8/275/220	425/55 R 19.5	265/70 R 19.5	557	545
			1615	10/225/175		235/75 R 17.5		530
•• Tandem suspension (2 Axles)								
VRS 18	VRZ 18	2470	1865	10/335/280	385/65 R 22.5	10 R 22.5	1060	1094
		2420		8/275/220	425/55 R 19.5		1084	
			1785	8/275/220		265/70 R 19.5		1108
			1745	10/225/175		235/75 R 17.5		1084
VDS 18	VDZ 18	2470	1865	10/335/280	385/65 R 22.5	10 R 22.5	1080	1114
		2420		8/275/220	425/55 R 19.5		1104	
			1785	8/275/220		265/70 R 19.5		1128
			1745	10/225/175		235/75 R 17.5		1104
VRS 20	VRZ 20	2285	1760	10/335/280	425/65 R 22.5	11 R 22.5	1114	1098
		2225	1655	8/275/220	425/55 R 19.5	265/70 R 19.5	1138	1114
			1615	10/225/175		235/75 R 17.5		1084
VDS 20	VDZ 20	2285	1760	10/335/280	425/65 R 22.5	11 R 22.5	1134	1118
		2225	1655	8/275/220	425/55 R 19.5	265/70 R 19.5	1158	1134
			1615	10/225/175		235/75 R 17.5		1104
••• Tridem suspension (3 Axles)								
VRS 27	VRZ 27	2470	1865	10/335/280	385/65 R 22.5	10 R 22.5	1602	1653
		2420		8/275/220	425/55 R 19.5		1638	
			1785	8/275/220		265/70 R 19.5		1674
			1745	10/225/175		235/75 R 17.5		1638
VDS 27	VDZ 27	2470	1865	10/335/280	385/65 R 22.5	10 R 22.5	1642	1693
		2420		8/275/220	425/55 R 19.5		1678	
			1785	8/275/220		265/70 R 19.5		1714
			1745	10/225/175		235/75 R 17.5		1678
VRS 30	VRZ 30	2285	1760	10/335/280	425/65 R 22.5	11 R 22.5	1683	1659
		2225	1655	8/275/220	425/55 R 19.5	265/70 R 19.5	1719	1683
			1615	10/225/175		235/75 R 17.5		1638
VDS 30	VDZ 30	2285	1760	10/335/280	425/65 R 22.5	11 R 22.5	1723	1699
		2225	1655	8/275/220	425/55 R 19.5	265/70 R 19.5	1759	1723
			1615	10/225/175		235/75 R 17.5		1678

Specification on request: underslung · multi-leaf spring (HD) · axles with disc brakes

LEAF SPRING SUSPENSION IN SINGLE, TANDEM AND TRIDEM CONFIGURATION



V	R	Z	30	T	HD	Explanation
					HD	Heavy duty
				T		Underslung
			9-30			Suspension capacity in tonnes, for VA only the axle capacity in tonnes
		S				Single tyred
		Z				Twin tyred
	R					Wheel base from 1250 to 1370 mm
	D					Wheel base over 1370 mm
V						2 or more axles with mechanical suspension
VA						One axle with mechanical suspension



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