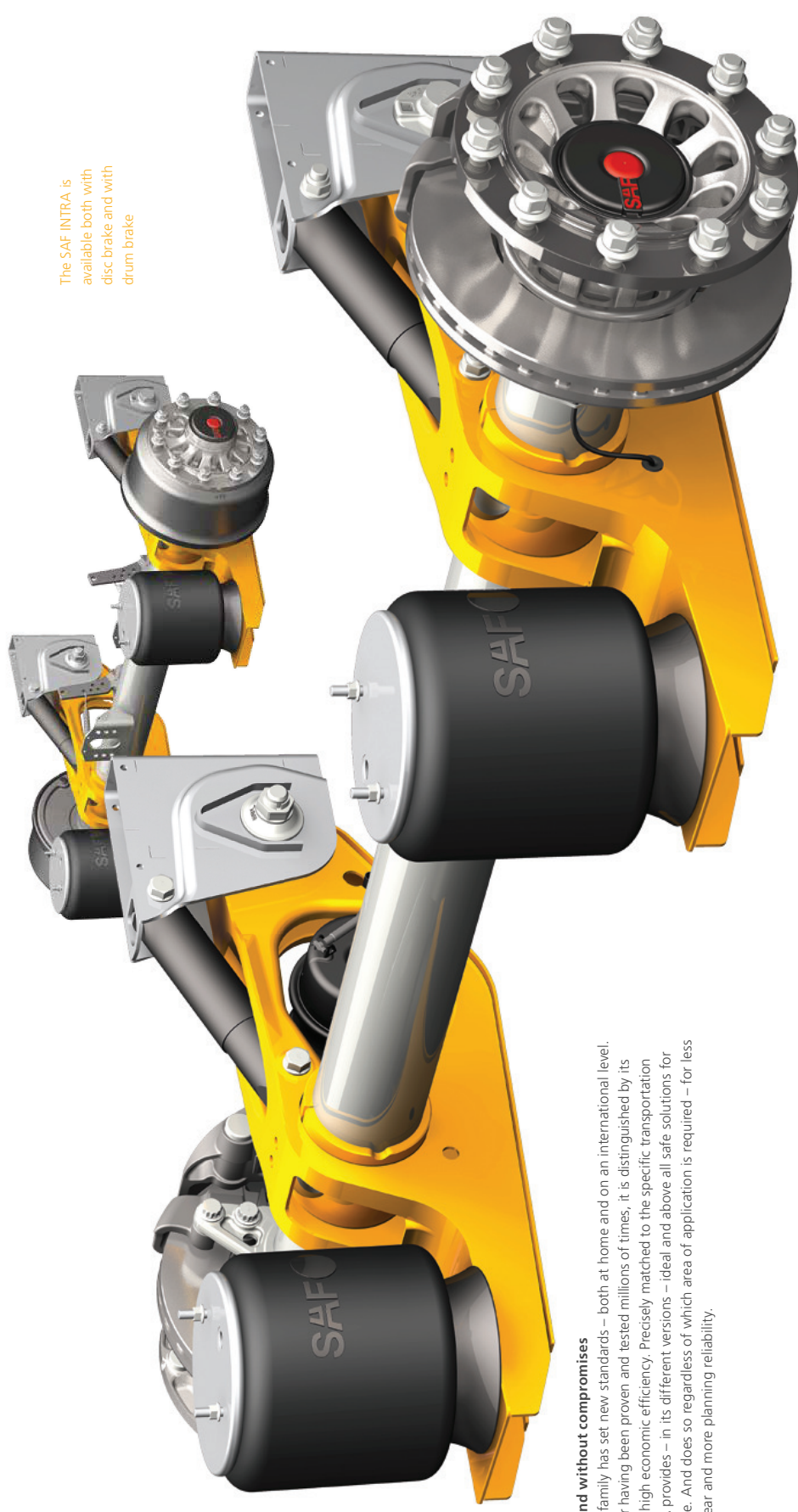


THE INTRA FAMILY



The SAF INTRA is available both with disc brake and with drum brake

Efficient and without compromises

The INTRA family has set new standards – both at home and on an international level. Today, after having been proven and tested millions of times, it is distinguished by its particularly high economic efficiency. Precisely matched to the specific transportation task, INTRA provides – in its different versions – ideal and above all safe solutions for the 9t range. And does so regardless of which area of application is required – for less wear and tear and more planning reliability.

ONE UNIT – MANY VARIANTS AND APPLICATIONS ...

Especially protected due to its position in the functional suspension arm: the shock absorber



The patented SAFE-GUARD-DESIGN of the functional suspension arm protects the brake cylinder reliably from damage

Long-term conservation of value and functional safety through sophisticated cathodic dip coating with optimum corrosion protection down to the last detail

Functional suspension arm and axle tube form an inseparable and maintenance-free unit. This eliminates the need for U-bolts, clamping plates and nuts. The entire design is extremely robust and yet very lightweight

SAF INTRA SELF-STEERING AXLE



Light and agile: The SAF INTRA self-steering axle has an additional weight of only 136 kg in comparison with the corresponding rigid axle.

The steering axle SAF INTRADISC *plus* INTEGRAL was developed for special transportation requirements in delivery services – such as tight and winding roads.

The steering axle is a winner owing to:

- less tyre wear
- less fuel consumption
- a high level of driving comfort
- optimal maneuverability
- precise run
- higher resale value of the trailer

TECHNICAL DATA

Axle load:	9t
Track:	2040 and 2090 (other track widths on request)
Brake:	INTEGRAL disc brake optional 22.5" and 19.5" with B9 or B19 hub unit (standard or INTEGRAL)
Offset:	ET 120
Tyres:	single
Max. 20° steering angle subject to the track, spring centres and attachments	

Innovative steering damper

- optimised running behaviour when driving in a straight line and when cornering
- weight-optimised steering stabiliser

Extra service friendly steering knuckle bearing

- bolted bearing pin unit
- proven (maintenance-friendly) bearing system

Easy disassembly of tie rod end

- bolted design
- rubber mounted tie rod joint

S N O T I O P

ABS SENSING

SAF TWO-SIDE AXLE LIFT

SAF ONE-SIDE AXLE LIFT

SAF KILOMETRE COUNTER

SAF TIRE PILOT

BRAKE CYLINDERS

SAF UP TRAIN LOADING SYSTEM

PAD WEAR SENSING

SAF PROTECTOR SHEET

SAF PC PREMIUM COATED

SAF REINFORCED AIR SPRINGS

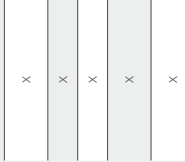
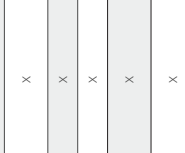
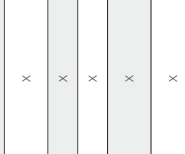
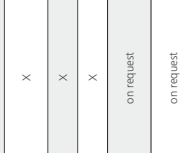
OPTIONS FOR THE AXLES

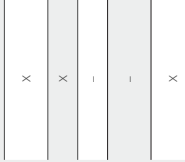
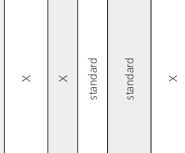
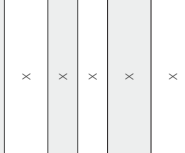
PRODUCT	SAF ABS SENSING	SAF TWO-SIDE AXLE LIFT	SAF ONE-SIDE AXLE LIFT
DESCRIPTION	- exciter ring and sensor holder (as standard/pre-assembled) - can be activated using simple and reliable plug connections	- for 22.5" wheels - only weighs approx. 21 kg per axle - very simple retrofit	- specifically for low ride heights - only weighs approx. 30 kg - very simple retrofit
AXLE	✓	✓	✓

			
SAF HUBODOMETER	SAF TIRE PILOT	SAF BRAKE CHAMBERS	SAF UP TRAIN LOADING SYSTEM
- measures the exact mileage of trailers - simple retrofit - quick and reliable mounting	- tyre-inflating system for trailers and semi-trailers - monitoring and preservation of the set tyre pressure in the trailer	- completes surface coating - high-quality internal components - fully integrated air connections	- one of the lightest train loading suspension on the market - springs not clamped during rail loading

			
SAF PAD WEAR SENSING	SAF PROTECTOR SHEET	SAF PC PREMIUM COATED	SAF REINFORCED AIR SPRINGS
- simple retrofit - can be connected to the Trailer BBS or to a separate control and display unit	- protects the brake disc against stone chipping and other foreign objects	- with our new 3-layer coating protection with up to 50 % Zinc content - very high corrosion protection	- with steel plungers for extreme loads

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TRAILER AXLES AND
SUSPENSION SYSTEMS



COUPLING AND LIFTING
TECHNOLOGIES



SUSPENSIONS FOR
TRUCKS AND BUSES



SUSPENSIONS AND COMPONENTS
FOR COMMERCIAL VEHICLES



V. ORLANDI

COUPLING AND LIFTING
TECHNOLOGIES



TRAILER AXLES AND
SUSPENSIONS SYSTEMS

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