

THE INTRA FAMILY



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 INTRADRUM



Perfectly thought-out: The SAF INTRADRUM drum brake combines proven components into a successful system.

Efficient, profitable and virtually maintenance-free – the SAF INTRADRUM is a winner with its powerful and precisely matched components and guarantees planning reliability right from the first kilometre.



BENEFITS AT A GLANCE

Improved corrosion protection

by galvanising and powder coating, the cover plate is even better protected. In order to increase the corrosion protection of the INTRADRUM even more, the coating thickness on the wheel hub has also been doubled. **The use of steel-brass S-cam bushings** allows for more accurate manufacturing tolerances compared to synthetic bearings, so that they can be installed with almost no play, less vibration and a better brake performance. Noise generation is also significantly reduced.

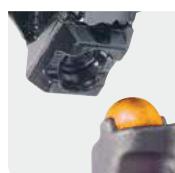
SAF brake shoes

are asymmetrically shaped by computer modelling and are subject to strict production control on an ongoing basis. The optimised brake shoe geometry guarantees improved distribution of force between brake pad and brake shoe, improving brake performance.

Precise cam roller / guide
The precision-machined S-cams precisely control the movement of the brake shoes and the contact pressure, so optimal braking action is ensured.



Fewer parts
The SAF INTRADRUM saves space in storage and considerably reduces the effort involved in maintenance and repair.



Spherical bearing
The brake shoes on the SAF INTRADRUM are mounted around a spherical head. Thanks to their special geometry, the shoes can move in all directions. This will cause the force to be more evenly distributed across the linings, and a longer service life is guaranteed.



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

	SAF HUBODOMETER	- measures the exact mileage of trailers - simple retrofit - quick and reliable mounting	X	X	X	X	X	X	X
	SAF TIRE PILOT	- tyre-inflating system for trailers and semi-trailers - monitoring and preservation of the set tire pressure in the trailer	X	X	X	X	X	X	X
	SAF BRAKE CHAMBERS	- complete surface coating - high-quality internal components - fully integrated air connections	X	X	X	X	X	X	X
	SAF UP TRAIN LOADING SYSTEM	- one of the lightest train loading systems on the market - springs no clamped during rail loading	X	X	X	X	X	X	X





TRAILER AXLES AND
SUSPENSION SYSTEMS



COUPLING AND LIFTING
TECHNOLOGIES



SUSPENSIONS FOR
TRUCKS AND BUSES



SUSPENSIONS AND COMPONENTS
FOR COMMERCIAL VEHICLES



COUPLING AND LIFTING
TECHNOLOGIES



TRAILER AXLES AND
SUSPENSIONS SYSTEMS

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