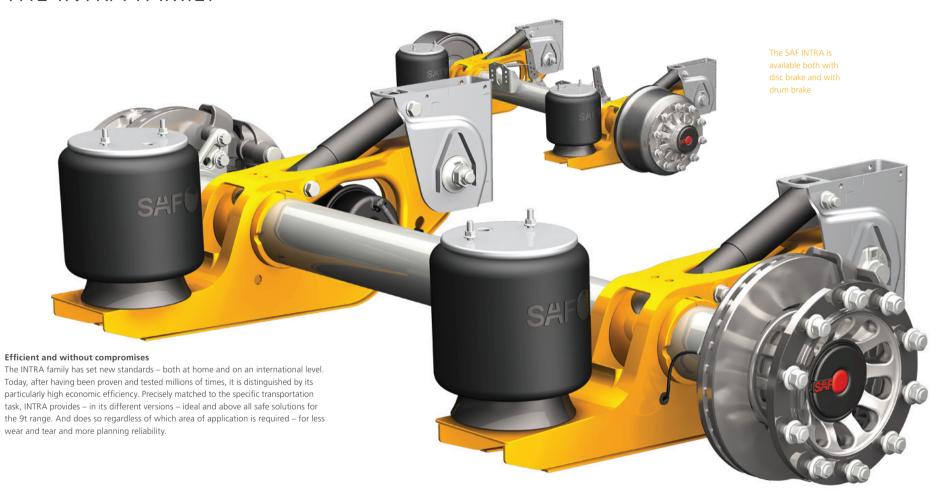
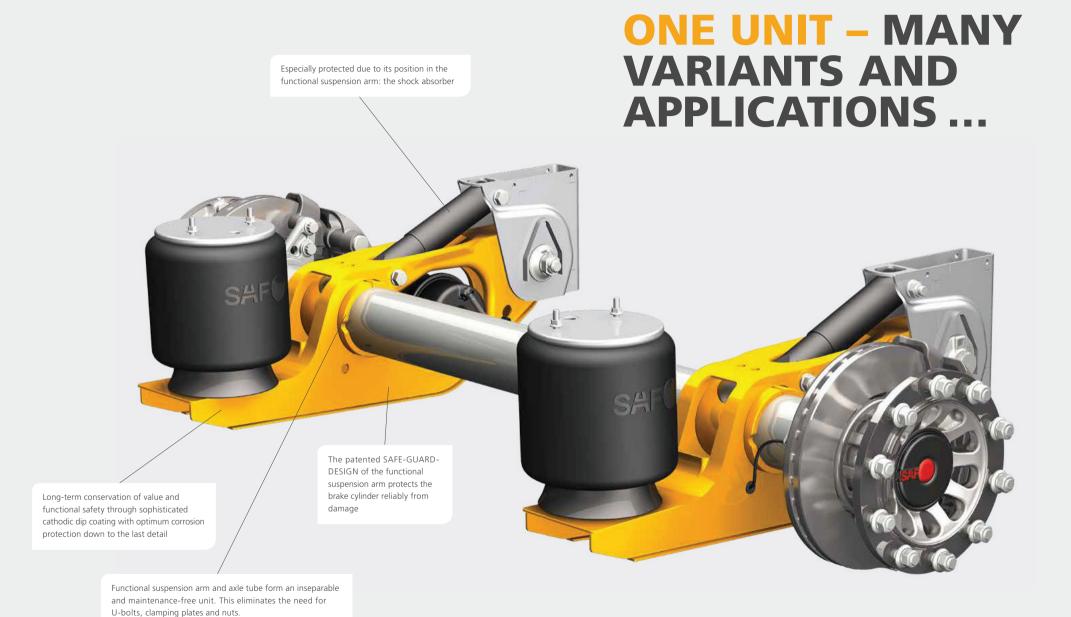
## THE INTRA FAMILY





The entire design is extremely robust and yet very lightweight

# SAF INTRADISC PLUS INTEGRAL

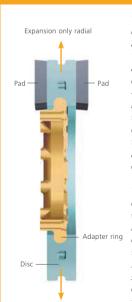
Proven over decades in the trailer area: The special design principle of the SAF INTRADISC *plus INTEGRAL* protects the material and significantly improves the service life of the brake disc.

Unlike conventional brake discs, the SAF INTEGRAL is a two-piece brake disc. It is manufactured in composite casting from different, specially matched materials and thus achieves a significantly higher economic efficiency in the trailer area.

The unique design principle prolongs the service life of the pads and the disc and, at the same time, achieves:

- more km less wear
- more planning reliability
- more efficiency
- more economic efficiency

### SAF-HOLLAND PATENT

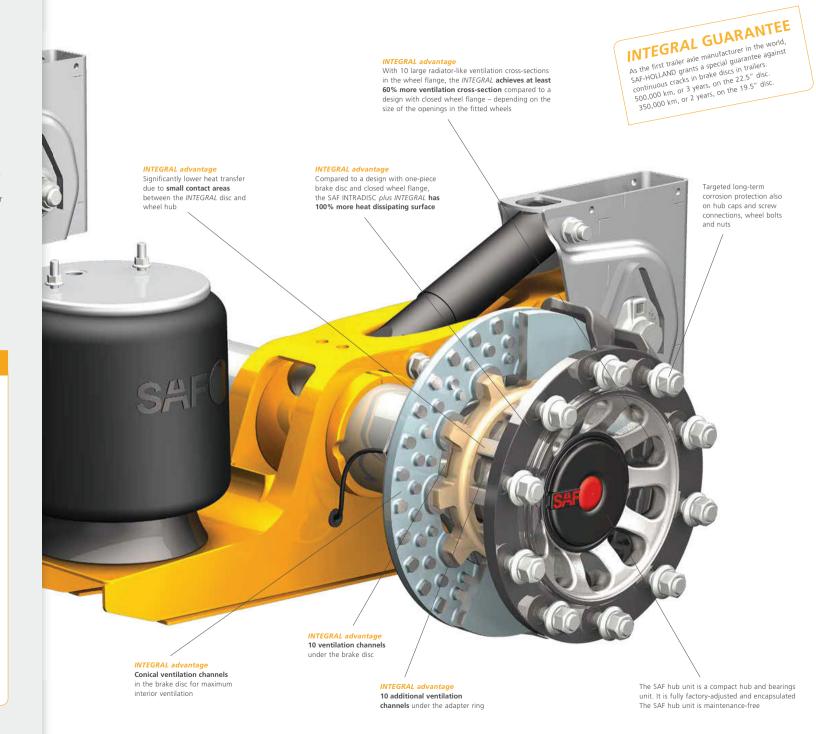


Expansion only radial

The INTEGRAL disc is cast onto a splined adapter ring and bolted to the wheel hub. The connection between the adapter ring and the brake disc has absolutely no play – without the two parts being fused together. This is the advantage: By composite casting of disc and adapter, the disc can expand radially and contract again during cooling down.

The dreaded hot spots in conventional brake discs, which can result in stresses in the material and possible cracks, up to the failure of the disc, are avoided – and:

Since the braking surfaces stay absolutely flat in every operating state, the pads last far longer.



11



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 TWO-SIDE

X

Х

Χ

### - specifically for low ride









Χ

Χ

Χ

Х

Χ

Х

SAF ONE-SIDE





















SAF REINFORCED

- exciter ring and sensor holder - for 22.5" wheels (as standard/pre-assembled) - only weighs approx. 21 kg - can be activated using simple per axle and reliable plug connections - very simple retrofit

Х

Х

Х

Х

Х

Х

Х

Х

Х

Χ

of trailers

- simple retrofit

- measures the exact mileage
- trailers and semi-trailers - monitoring and preservation - quick and reliable mounting of the set tire pressure in the - fully integrated air trailer

Χ

Х

Х

Χ

Х

SAF TIRE PILOT

- tyre-inflating system for - high-quality internal components connections
- complete surface coating

Х

Х

Х

SAF BRAKE

- one of the lightest train
  - loading suspension on the market - springs not clamped during

SAF UP TRAIN

rail loading Χ Х Х on request on request

Х





- simple retrofit - can be connected to the Trailer EBS or to a separate

control and display unit

- protects the brake disc against with our new 3-layer coating stone chipping and other protection with up to 50 % extreme loads foreign objects
- SAF PC
  - Zinc content - very high corrosion protection

X	Х	Х	Х
×	×	x	Х
-	standard	-	х
-	standard	-	Х
Х	Х	Х	Х
X	X	-	Х
X	X	Х	Х
X	Х	-	Х



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