



**FOR YOUR
HEAVY DUTY
PLAYGROUNDS**



NAF • MODULAR-MINDED AXLES

NAFAXLES.COM

DRIVEN BY INNOVATION

As our customer you benefit directly from our passion for innovation that guarantees your success.

NAF is the expert for power transmission, traction and load capacity on mobile working machines. Our gears and axles create a substantial competitive advantage in the heavy-duty off-highway industry. As a system partner we have been mastering the tasks of our market-leading customers since 1960 and invest 5 % of our annual turnover into research and development.

Challenge us with your automotive concept of the future.

As the leading market manufacturer of drive trains for self-propelled forestry machines, NAF has been tackling a wide variety of the most extreme deployment conditions for many decades. The modular system, which has evolved from this set of requirements, covers the individual assignments that need to be met by heavy-duty vehicle manufacturers across many different sectors. With this passion, which made us the market leader for drives in forestry machines, we create your individual drive solutions.

NAF AG is particularly proud of the awards given to us by our customers that honour our outstanding achievements and cooperative partnerships on all levels.

This is our benchmark for all customer relations.



MODULAR- MINDED AXLES

With modular thinking, modular processes and modular product configurations, today we already provide answers for the functional, economical and logistical challenges of tomorrow.

6 SUCCESS FACTORS FOR YOUR
AUTOMOTIVE CONCEPT OF THE FUTURE:

1

MODULAR AXLE DESIGN

Proven modular system for complete drive trains – comprising tried-and-tested components.

2

MODULAR CUSTOMISATION

Highly specific, quick and economical customer solutions – with modular development and implementation.

3

MODULAR INNOVATION

All new developments in our customer's needs is directly integrated into the modular system.

4

MODULAR PRODUCTION

Fluid, customised fabrication based on the modular buildingblock and modular procurement concept.

5

MODULAR REPAIR & MAINTENANCE

Easy repair and spare parts system – by replacing modules, lifetime costs and downtimes are minimised.

6

MODULAR SPIRIT

Corporate culture continually strives to introduce customer-specific competitive advantages.



RIGID AXLES



DIFFERENTIAL GEAR

TRACTION CONTROL

AXLE HOUSING

PLANETARY DRIVES

BRAKE SYSTEMS

TRACTION CONTROL

STEERING AXLES

DIFFERENTIAL GEAR

GEARBOXES

GEARBOX

TRACTION CONTROL

BRAKE SYSTEM

BOGIE AXLES

BRAKE SYSTEM

BOGIE HOUSING

PLANETARY DRIVE



LET'S TALK ABOUT YOUR PLAY-GROUNDS

- > Lowest possible soil pressure
- > Reduction in weight, consumption and exhaust gases
- > High speed
- > Maximum constant loading capacity



NAF | STEERING AXLE LAP 44

INTENSIVE LARGE-SCALE CULTIVATION, GROWING COST PRESSURE, INCREASINGLY SCARCE RESOURCES. THE MOST HIGHLY DEVELOPED VEHICLE SYSTEM PROVES ITS WORTH ON THIS SOIL.

Great Plains, USA

LET'S TALK ABOUT YOUR PLAY-GROUNDS

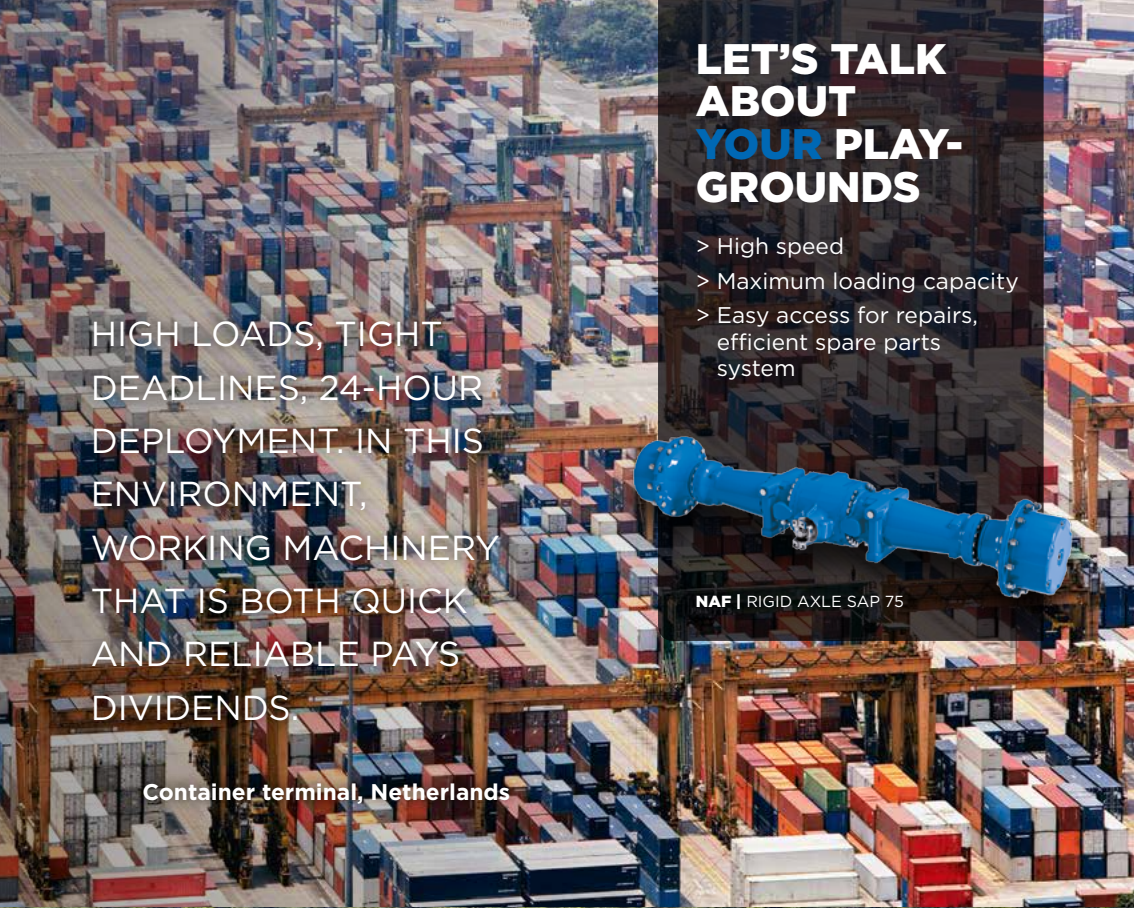
- > Excellent traction
- > High speed
- > Maximum loads



NAF | BOGIE AXLE TAP 89

DIFFICULT SURFACES AND EXTREMELY CHALLENGING TYPES OF TERRAIN. POWERFUL DRIVE WITH INCREASING PAYLOADS IS OUR FOCUS.

Ural region, Russia



HIGH LOADS, TIGHT DEADLINES, 24-HOUR DEPLOYMENT. IN THIS ENVIRONMENT, WORKING MACHINERY THAT IS BOTH QUICK AND RELIABLE PAYS DIVIDENDS

Container terminal, Netherlands

LET'S TALK ABOUT YOUR PLAY-GROUNDS

- > High speed
- > Maximum loading capacity
- > Easy access for repairs, efficient spare parts system



NAF | RIGID AXLE SAP 75



LET'S TALK ABOUT YOUR PLAY-GROUNDS

- > Lowest possible ground pressure
- > Maximum constant loading capacity
- > Perfect stability, climbing power and braking power

ROUGH TERRAIN, A SENSITIVE SOIL STRUCTURE, TIGHT TURNING SPACES. IN AREAS OF DEPLOYMENT PRESENTING THE MOST COMPLEX DEMANDS, HEAVY MACHINERY RELIES ON CLEVER TECHNICAL SOLUTIONS.

Forestry area, Scandinavia



NAF | BOGIE AXLE TAP 54

SUPERIOR TRANSPORT
LOGISTICS REQUIRES
THE MOST MODERN
VEHICLE SYSTEMS FOR
STREET AND OFFROAD
USAGE.

Trans-Siberian highway, Russia

LET'S TALK ABOUT YOUR PLAY- GROUNDS

- > Maximum loading cycles
- > Less wear
- > Easy access for repairs, efficient spare parts system
- > Reduced field consumption



NAF | PLANETARY DRIVES PLG08

NUMBERS & FACTS

32

Supplied countries worldwide

500

Employees in total

30.000 m²

of production space in 17 halls

38.000

Components sold each year

14

Patents and
protected innovations

35

Employees working in
R&D/PDP



AT HOME ON 3 CONTINENTS.



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