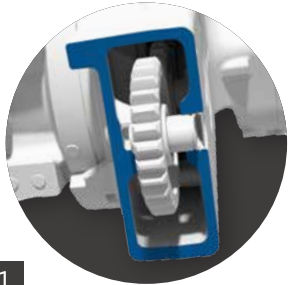


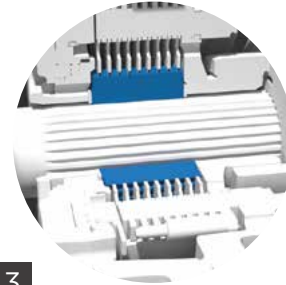
# PLANETARY RIGID AXLES



**1**  
CAST DESIGN



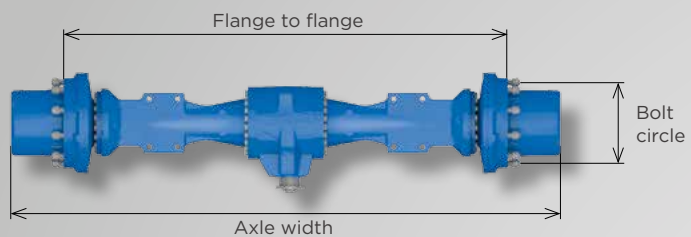
**2**  
PATENTED SELF-COOLED  
TURBO BRAKE



**3**  
DIFFERENTIAL LOCKS  
MDDL  
OR NOSPIN®  
OR DOG CLUTCH  
OR LIMITED SLIP

TYPE	SAP 43	SAP 54	SAP 55	SAP 75	SAP 76	SAP 77	SAP 87	SAP 88	SAP 89
Ratio	17.81	16.50 - 25.76	15.29 - 29.32	10.87 - 31.79	11.33 - 34.87	10.87 - 29.39	13.33 - 30.86	16.9 - 23.4	19.38
Static axle load up to [kN]	145	280	400	440	220	300	340	400	450
Dynamic axle load [kN]	80	120	200	300	170	180	250	250	300
Max. speed [kph]	30	40	40	50	55	55	30	60	60
Parking brake	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Service brake	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Input torque [Nm]	1450	2700	3200	3300	4100	5000	6000	6600	7000
Input RPM	3400	3500	3600	3600	3600	3600	3200	4200	3300
Axle width [mm]	860 - 2345	2243 - 2530	2100 - 2755	1485 - 2780	2408 - 2850	2408 - 2850	2430 - 3031	3252	2500 - 3300
Flange-to-flange [mm]	586 - 1995	1850 - 2090	1742 - 2285	1107 - 2240	2030 - 2424	2028 - 2370	2030 - 2541	2756	2000 - 2800
Bolt circle [mm]	275	335	335	425	425	425	500	500	500
Drive flange	DIN/ MECHANICS/ SPICER/ in different sizes								
Differential locks	MDDL / NoSpin® / dog clutch / limited slip								





## PLANETARY RIGID AXLES

### Product features:

- > Modular configuration of track-proven components to meet customer needs
- > Mounting options: fixed or oscillating

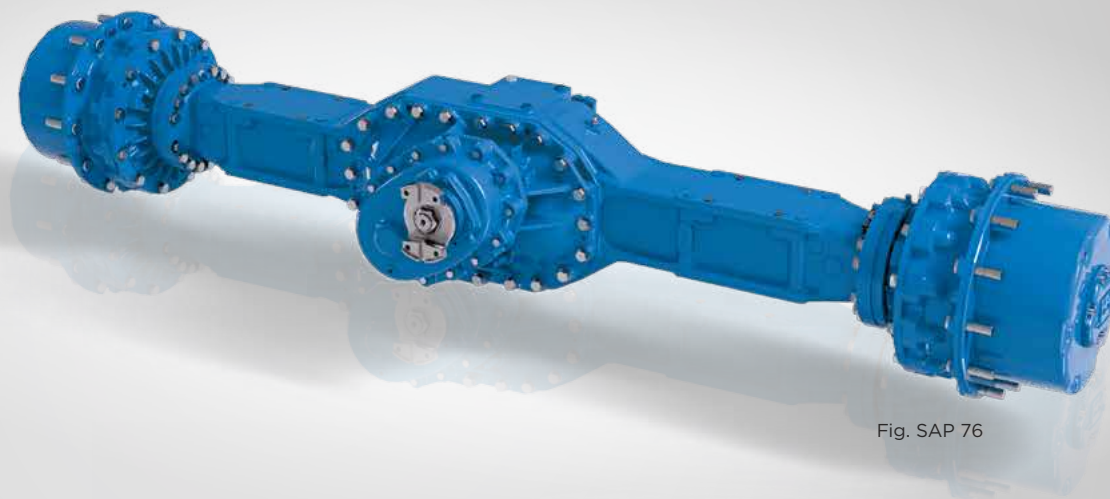


Fig. SAP 76



Fig. SAP 54

Fig. SAP 87



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.

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



# AT HOME ON **3** CONTINENTS



**46**

Supplied countries worldwide

**500**

Employees in total

**30.000 m<sup>2</sup>**

of production space in 17 halls

**38.000**

Components sold each year

**14**

Patents and  
protected innovations

**35**

Employees working in  
R&D/PDP

## Headquarters and production

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Germany (HQ), Russia & China visit:



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