

## FAD+N 10x4 2+3 REAR STEER CONFIGURATION DAF CF/XF & XD/XF NGD FAD 8x4



### DESCRIPTION

Solution developed by System Truck for the application of a rear (tag) axle on the on-road vehicles of the FAD range – CF, XF, XD and XF NGD series (8x4\*4); with DAF LONO<sup>1</sup> and dedicated preparation from the factory (POV).

The conversion to a 5-axle vehicle (10x4\*6) is carried out through the application of a tag axle with single wheels, steering hydraulically, with drum or disc brakes.

The **added axle** can have a capacity of **9 t or 10 t**. The suspension is pneumatic and features the axle lifting device with automatic operation<sup>2</sup>. It also benefits from a traction control system for increased grip which can be used up to a speed of 30 km/hr.

System Truck's [Technology](#) system for the hydraulic control of the added axle steering is completely independent from the front steering system and therefore does not affect in any way the original vehicle driving comfort.

The converted vehicle is available with a technical report issued by TÜV that can be used for testing and registration<sup>3</sup>.

<sup>1</sup> LONO (Letter Of No Objection) reference: **SERA 2019.970.Q032**

<sup>2</sup> Operation of the axle lift function is in accordance with EC directive 1230/2012.

<sup>3</sup> Local registration is the responsibility of DAF and its possibility and modes must be verified each time for the specific market.

## TECHNICAL NOTES

 Specifications of the **base vehicle** for the conversion to 10x4\*6 2+3 rear:

Model	<b>DAF CF/XF &amp; XD/XF NGD FAD 8x4*4</b> (models F8779A, F0779A, F0171A, F0279A)	
Suspensions	1 <sup>st</sup> - 2 <sup>nd</sup> axle	9-t parabolic (DAF code 183N)
	3 <sup>rd</sup> - 4 <sup>th</sup> axle (drive axles)	Pneumatic (DAF code SR1360T) <i>or</i> Mechanical leaf spring (DAF code HR1670T)
Wheelbase (min – max) (mm)	5050 – 5700	
Rear overhang (AE) (mm)	4000	

Other	<u>Factory preparation for the conversion to 10x4 (POV):</u>	
	- No grid in AE - WBxx/AE400 H310 x.x/DL - Hole pattern in AE according to System Truck drawing 55.02.00.0069 (for 9-t added axle) <i>or</i> 55.02.00.0072 (for 10-t added axle) - 2 25-l air tanks not connected (ECAS and braking system preparation) located, when space is available, behind DPF/SCR on the right hand side according to LONO SERA 2019.970.Q032	
	Preparation for 20 kW hydro pump	(DAF option 09533)
	Analogue body signals and warnings	(DAF option 07821)
	No tyre pressure monitoring	(DAF option 08101)
	No axle load monitoring	(DAF option 08190)
No vehicle stability control	(DAF option 09490)	

 Specifications of the **vehicle converted** to 10x4\*6 2+3 rear:

Model	<b>DAF CF/XF &amp; XD/XF NGD FAD+N 10x4*6</b>		
Suspensions added rear axle	Pneumatic		
Wheelbase (min – max) (mm)	5050 – 5700		
Distance between axles (mm)	4 <sup>th</sup> - 5 <sup>th</sup> axle	1450 (for 9-t added axle) <i>or</i> >1800 (for 10-t added axle)	
Maximum allowed weights (technical) (kg)	1 <sup>st</sup> axle	9000	<i>or</i>
	2 <sup>nd</sup> axle	9000	
	3 <sup>rd</sup> axle (drive axle)	13000	
	4 <sup>th</sup> axle (drive axle)	13000	
	5 <sup>th</sup> axle	9000	
GVW <sup>4</sup> (max) (kg)	49000 (technical)		

Alongside the conversion to 10x4\*6, we can make further modifications (extension or reduction) of the **wheelbase** and/or of the **rear overhang** of the vehicle, and/or provide for the **repositioning of components** applied to the chassis (moving them from one side to the other or to the rear overhang) in order to achieve a configuration suitable for the foreseen body, as well as the installation on the vehicle of a **vertical battery box** designed and supplied by System Truck, smaller than the original one.

**For any further information and to ask for custom designed solutions to meet your specific needs, please don't hesitate to contact our Commercial Office:**  
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<sup>4</sup> Gross Vehicle Weight.