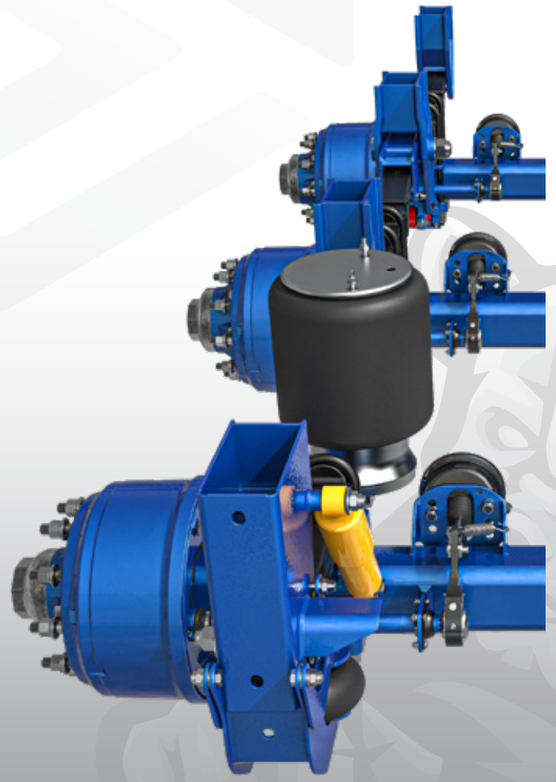
RHINO
SUSPENSION



- SPECIAL STIFFENER PLATE PROVIDED FOR BOTTOM PLATE OF AIR BELOW.
- HIGH STRENGTH PIN FOR LEAF SPRING FIXING.
- TO CONTROL PNEUMATIC SUSPENSION ASSEMBLY MOVEMENT STRAP IS AVAILABLE.
- SPECIAL SECURITY METAL PLATES AVAILABLE FOR TIE ROD LOCKING.
- TIE ROD SILENTBLOCK PROVIDED WITH SPECIAL NYLON COMPOUND FOR SEVERE LOAD CONDITION AND LONG LIFE.

www.adraxles.in

ADR AXLES INDIA PVT LTD
Plot No-I-10, Khed City Industrial Park City
DTA, Village - Kanhersar, Rajgurunagar,
Pune 410505, Maharashtra (INDIA)
Tel.: +91 20 66936504 - Mob.: +91 88 06077225
email: sales@adraxles.in

ADR CHINA
Lingang Road No.2468, Huangdao District, Qingdao,
Shandong Province - 266400, CHINA
Tel.: +86 532 86 19 66 36 - Fax: +86 532 86 19 65 01
email: info@adrsystem.cn - **www.adraxles.cn**

SAE-SMB MIDDLE EAST DWC LLC
P.O. Box No.: 390667 Dubai, UNITED ARAB EMIRATES
Tel.: +971 (0)56 442 6163
email: kmurali@sae-smb-asia.com
www.sae-smb.asia

SAE-SMB INDUSTRIES
Route de Cliron 08090 HAM LES MOINES, FRANCE
Tél.: +33 3 24 59 54 54 - email: contact@sae-smb.fr
www.sae-smb.com

ADR POLSKA
ul. Bieszczadzka 5, 38-540 Zagórz, POLSKA
Tel.: +48 13 46 89 333 - Fax: +48 13 46 89 368
email: atw@atwsystem.pl
www.adrosie.pl

ADR EIXOS BRASIL
Rua Nelson Colela, 105 Ribeirão Preto SP, CEP 14072-068, BRASIL
Tel.: +55 16 3617.3079 - email: info@adreixos.com.br
www.adraxles.com.br

SMB

_Axles & Suspensions

ADR INDIA

ADR group

RHINO
SUSPENSION

HEAVY DUTY 54t SUSPENSION

RHINOKIT

RHINOKIT

MADE FOR TOUGH TERRAIN!

PNEUMATIC SUSPENSION

• **Special parabolic guide arm** size (2L 100x45), proven all terrain conditions.

• Additional reinforced support air spring plate on guide arm for consistent performance.

• **Special eccentric bolts design**: the eccentric bush in the support allows the customer to perfectly align the axle with the chassis without costly operations in just a few minutes.

• **Long stroke** designed for off road terrain - auto stop shock absorber and special longer stroke bellow.

• **Special clamping with pin** between leaf spring and clamping plate: high resistance steel pin between the leaf spring and the axle which ensures:

- Maximum robustness in operation, even with heavy duty application.
- Ensure perfect and long lasting alignment, even with heavy application, and helps reduced tyre wear.
- Simple alignment correction in minutes.

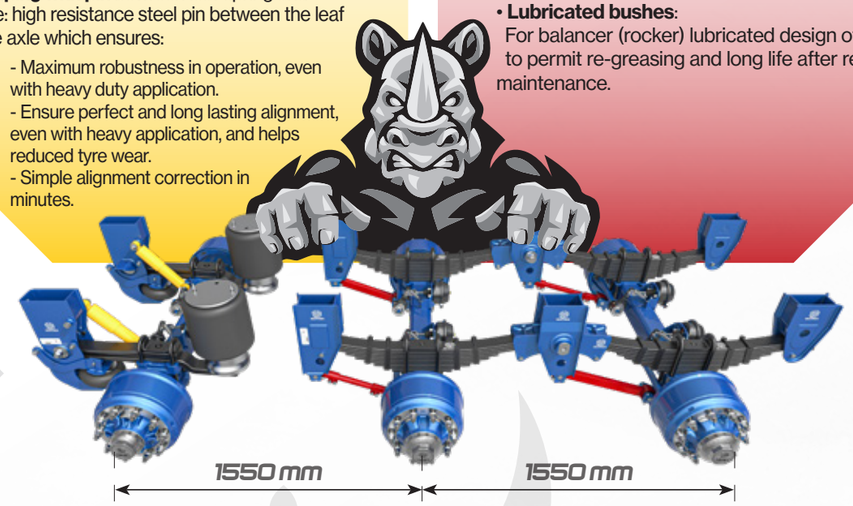
MECHANICAL SUSPENSION

• **Higher Leaf thickness**:
First time in this segment suspension with leaf thickness **18 mm. 1.5 times stiffness than regular 16 mm thick leaf**.

• **Specially designed wide leaf**:
To meet the 1550 mm wheelbase requirement.

• **Bushings**:
Special material compound to increase strength and life in usage even with heavy duty application.

• **Lubricated bushes**:
For balancer (rocker) lubricated design of bushes to permit re-greasing and long life after regular maintenance.



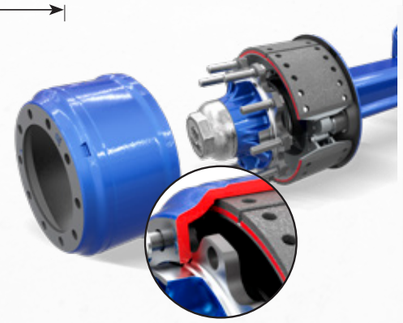
AXLES

• **Supreme mono block body axle** for higher strength: No welding on the body axle means infinite life under usage and zero-risk of fatigue rupture for welding cracks.
The material used is a high-resistance alloy which guarantees an increase in the fatigue life of the axle if used according to the instructions.

• **Newly introduced SAE SMB Outboard axles**: Special outboard axle designed considering Indian usage: allows maintenance of the brakes, guaranteeing perfect operation of the axle (No contamination of the hub-assembly during brake replacement).

• **Hub-greasing after 4 Lakh km**: Due to the grease used, high quality of the bearings, precise adjustment of the pre-load torque of the hub assembly.

• **Special SAE SMB developed** material for the brake lining to ensure long life and high friction coefficient (high braking performance.



_OUTBOARD

SMB

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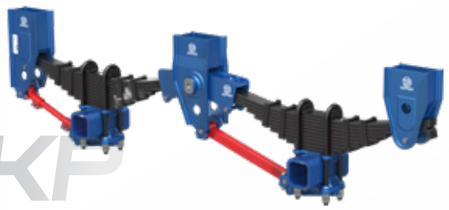
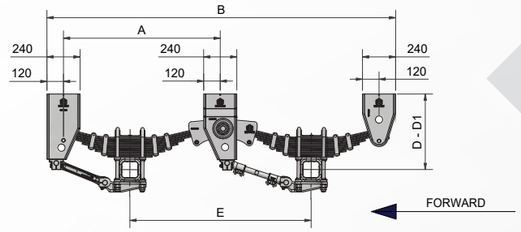


_OKP

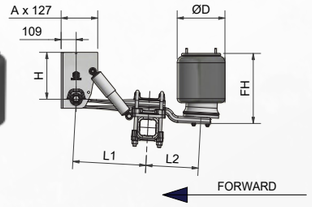


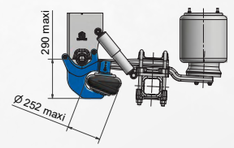
TANDEM **OKP** SUSPENSION **N** TYPE WITH **MULTI-LEAF** SPRINGS WIDTH **90**

reference	capacity	leaf spring	axle beam*	D*	D1*	E	A	B	type SAE
	(kg)		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
OKP 2 155 D2 N 15 58	28 000	4159008 (10x18)	☐ 150	582	547	1550	1330	2920	OKP2...N

* Available on request, custom ride height (D - D1) and axle beam

_OKQ





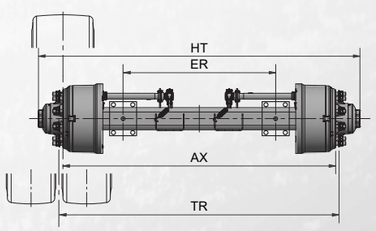
_LIFTER OPTION
CODE: 41C101

AIR SUSPENSION TYPE **OKQ SP100 HD** (with spring "**N**" - 2 leaf width 100 mm)

reference	capacity	leaf spring	axle beam*	air spring	FH* min-max	L1 / L2	A	H	D	weight poids	type SAE
	(kg)		(mm)		(mm)	(mm)	(mm)	(mm)	(mm)	(kg)	
OKQ 13 H2 N 15 53 [1]	13000	100x45/45	☐ 150	41B35003	525-565	530/380	265	340	350	263	SP100 HD

* Available on request, custom ride height (FH) and axle beam. [1] Long stroke version

_AXLES



RIGID AXLES WITH **DRUM BRAKES 420X180** (OUTBOARD)

	reference	capacity [1]	wheel connection	OF	brake	axle beam	wheel mini	wheel	example tyre	AX	TR [2]	ER [2] mini	HT	type SAE
		(kg)		(mm)		(mm)				(mm)	(mm)	(mm)	(mm)	
FRONT	OA 15H 60T XY	13000	10xM22x1,5 280,8 / 335	0	4218E	☐ 150	20"	Single	445/65 R22,5	1825	1850	700	2125	OA...60T
										1925	1950	700	2225	
								Twin	12 R22,5	2025	2050	700	2325	
										2125	2150	700	2425	
REAR	OA 15L 61Y 1 XY	14000	10xM22x1,5 280,8 / 335	0	4218E	☐ 150	20"	Single	445/65 R22,5	1825	1850	700	2155	OA ... 61Y
										1925	1950	700	2255	
								Twin	12 R22,5	2025	2050	700	2355	
										2125	2150	700	2455	

(1) With tyre R max. 600 mm and ET0 - (2) Available on request custom tracks and leafspring distance (ER)

RHINO SUSPENSION