

## DATA SHEET

Wheels &gt;

# GIANT MINING TRUCK RIMS 51" AND 57"

## Giant Standard Rims

GKN Wheels offers full-service wheel technology solutions from design and testing through to manufacture of quarry and mining rims. GKN Wheels' range suit a variety of equipment, including quarry haul trucks, large mining trucks, large wheel loaders, dozers, motor graders and other specialist applications that use large mining tyres.

### Research and Design

Working with Original Equipment Manufacturers engineers, mine operators and other after-market customers, GKN Wheels has reviewed the significant requirements of mining equipment, operating demands, the extreme loads and stresses and harsh mining environment to design and manufacture highly reliable and durable products.

GKN Wheels use the best design methodologies including computer simulations, Finite Element Analysis, which is backed by extensive in-field testing. GKN Wheels' solutions offer improved profile structures without adding unnecessary weight. In turn this helps to consistently deliver markedly increased fuel efficiency – in summary – GKN Wheels ensures you receive a cost-effective, efficient product to meet your needs.



## BENEFITS INCLUDE >

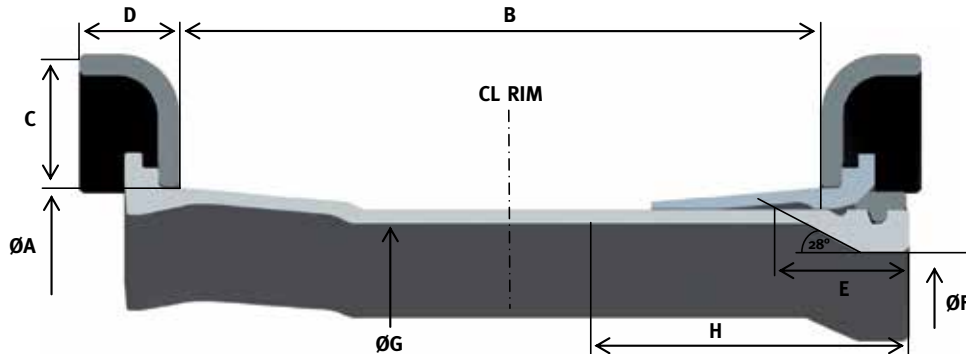
- > Standard five piece rim/wheel - tubeless operation
- > Circumferential weld joints inspected for quality and integrity
- > Reinforced bead seat band and back section
- > Forged and seamless ring material used for critical components
- > Heavy duty lock ring
- > All primary components made from various high strength low alloy steel (HSLA)
- > All critical surfaces fully machined
- > Continuous tyre tool pocket feature
- > Rim profiles comply with two or more of the following standards – TRA, ETRTO, JATMA and ISO
- > Available in sizes: 51" and 57" diameter and 22" – 60" width
- > Giant Swift Change Rims available for 51" and 57" diameter rims to allow for easier and quicker tyre change
- > Typical applications: 120 Ton – 280 Ton Haul Truck

## A QUALITY PRODUCT AND SERVICE

Quality is fundamental to GKN's product range across all sectors and product designs. All performance criteria comply with at least one of the following regional and international rim and tyre standards – TRA, ETRTO, JATMA and ISO.

GKN Wheels use materials tailored for each application. GKN's mining wheels use high strength low alloy steels (HSLA). Forged and seamless rings are used in key areas, including the gutter band and back area, greatly increasing strength and fatigue durability.

Inspection verifications are undertaken using state of the art technology, such as Non Destructive Testing (NDT). All circumferential welds are inspected using ultrasonic or x-ray techniques to ensure consistent quality and integrity. This attention to detail translates into extended service life, reliable performance, safer operations and lower maintenance costs.



### DIMENSIONAL INFORMATION

RIM SIZE Dia-width/ Flange HT.	A RIM SIZE		B RIM WIDTH		C FLANGE HEIGHT		D FLANGE WIDTH		E BEVEL POSITION		F GUTTER DIAMETER		G RIM BASE DIAMETER		H VALVE HOLE POSITION	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
51 - 22.00 / 4.5	1,295.4	51.0	558.8	22.0	114.3	4.5	73.15	2.88	148.84	5.86	1,148.60	45.22	1,212.6	47.74	310.00	12.20
51 - 24.00 / 5.0	1,295.4	51.0	609.6	24.0	127.0	5.0	98.55	3.88	148.84	5.86	1,148.60	45.22	1,212.6	47.74	310.00	12.20
51 - 26.00 / 5.0	1,295.4	51.0	660.4	26.0	127.0	5.0	98.55	3.88	148.84	5.86	1,148.60	45.22	1,212.6	47.74	350.01	13.78
51 - 32.00 / 4.5	1,295.4	51.0	812.8	32.0	114.3	4.5	73.15	2.88	148.84	5.86	1,148.60	45.22	1,212.6	47.74	350.01	13.78
51 - 40.00 / 4.5	1,295.4	51.0	1,016.0	40.0	114.3	4.5	73.15	2.88	148.84	5.86	1,148.60	45.22	1,212.6	47.75	350.01	13.78
57 - 27.00 / 6.0	1,447.8	57.0	685.8	27.0	152.4	6.0	121.92	4.80	148.84	5.86	1,301.00	51.22	1,365.0	53.74	317.50	12.50
57 - 29.00 / 6.0	1,447.8	57.0	736.6	29.0	152.4	6.0	121.92	4.80	148.84	5.86	1,301.00	51.22	1,365.0	53.74	320.04	12.60
57 - 32.00 / 6.0	1,447.8	57.0	812.8	32.0	152.4	6.0	121.92	4.80	148.84	5.86	1,301.00	51.22	1,365.0	53.74	305.00	12.00
57 - 32.00 / 6.5	1,447.8	57.0	812.8	32.0	165.1	6.5	121.92	4.80	148.84	5.86	1,301.00	51.22	1,365.0	53.74	305.00	12.00
57 - 34.00 / 5.0	1,447.8	57.0	863.6	34.0	127.0	5.0	121.92	4.80	148.84	5.86	1,301.00	51.22	1,365.0	53.74	314.96	12.40
57 - 36.00 / 6.0	1,447.8	57.0	914.4	36.0	152.4	6.0	121.92	4.80	148.84	5.86	1,301.00	51.22	1,359.0	53.50	314.96	12.40
57 - 44.00 / 6.0	1,447.8	57.0	1,117.6	44.0	152.4	6.0	121.92	4.80	148.84	5.86	1,300.99	51.22	1,359.0	53.50	314.96	12.40
57 - 47.00 / 6.0	1,447.8	57.0	1,193.8	47.0	152.4	6.0	121.92	4.80	148.84	5.86	1,300.99	51.22	1,359.0	53.50	335.00	13.18

### RIM ASSEMBLY INFORMATION

RIM SIZE Dia-width/Flange HT.	RECOMMENDED TYRE SIZE(S)	PART NUMBERS					ASSEMBLY WEIGHT (KG/LBS)	
		RIM BASE	BEADSEAT	FLANGE (2 required)	LOCK RING	O-RING <sup>1</sup>		
51 - 22.00 / 4.5	30.00R 51	RM5122001	BS51003	FL51005	LR51003	OR451T	982	2,165
51 - 24.00 / 5.0	33.00R 51	RM5124001	BS51003	FL51004	LR51003	OR451T	1,049	2,313
51 - 26.00 / 5.0	36.00R 51	RM5126001	BS51003	FL51004	LR51003	OR451T	1,075	2,370
51 - 32.00 / 4.5	37.50R 51	RM5132001	BS51003	FL51005	LR51003	OR451T	1,105	2,436
51 - 40.00 / 4.5	50/65R 51	RM5140001	BS51003	FL51005	LR51003	OR451T	1,203	2,652
57 - 27.00 / 6.0	37.00R 57, 42/90R 57	RM5727001	BS57003	FL57003	LR57003	OR457T	1,333	2,939
57 - 29.00 / 6.0	40.00R 57, 46/90R 57, 37.00R 57	RM5729001	BS57003	FL57003	LR57003	OR457T	1,368	3,016
57 - 32.00 / 6.0	46/90R 57	RM5732001	BS57003	FL57003	LR57003	OR457T	1,484	3,271
57 - 32.00 / 6.5	50/90R 57	RM5732001	BS57003	FL57007	LR57003	OR457T	1,533	3,379
57 - 34.00 / 5.0	50/80R 57	RM5734001	BS57003	FL57008	LR57003	OR457T	1,467	3,234
57 - 36.00 / 6.0	50/80R 57	RM5736001	BS57003	FL57003	LR57003	OR457T	1,555	3,428
57 - 44.00 / 6.0	49.5-57, 50/80-57	RM5744001	BS57003	FL57003	LR57003	OR457T	1,686	3,717
57 - 47.00 / 6.0	60/80R57;58/85-57	RM5747001	BS57003	FL57003	LR57003	OR457T	1,733	3,820

<sup>1</sup>O-ring – for reference only

For further information please visit us at [www.kenco.co.id](http://www.kenco.co.id) or email us at [asidiq@kencoprimeadea.com](mailto:asidiq@kencoprimeadea.com)