



Goodyear Off-The-Road Tyres. Product Brochure 2016.



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Application Map

Tyres for Rigid Dump Trucks

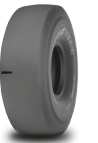
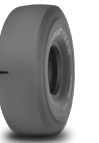
								
	RL-3J	RL-3+	RL-4	RL-4B	RL-4J	RL-4H	RL-4M+	RT-4A / RT-4A+
SIZES AVAILABLE	125 (E3)	125 (E3+)	150 (E4)	150 (E4)	150 (E4)	150 (E4)	170 (E4+)	150 (E4) / 170 (E4+)
18.00 R 25 **								
18.00 R 33 ***								
21.00 R 33 **								
21.00 R 35 **								
24.00 R 35 **								
27.00 R 49 **								
30.00 R 51 **								
33.00 R 51 **								
36.00 R 51 **								
37.00 R 57 **								
46/90 R 57 **								
Page Reference	05	07	07	08	09	16	15	10

Tyres for Articulated Dump Trucks

			
	RM-3A	RM-4A+	RM-4B+ 
SIZES AVAILABLE	125 (E3)	170 (E4+)	170 (E4+)
18.00 R 33 ***			
21.00 R 35 **			
24.00 R 35 **			
27.00 R 49 **			
33.00 R 51 **		***	
37.00 R 57 **			
40.00 R 57 **			
46/90 R 57 **			
53/80 R 63 **			
59/80 R 63 **			
Page Reference	06	11	13

				
	GP-3D	TL-3A+	TL-4A	GP-4D
SIZES AVAILABLE	115 (E3)	125 (E3+)	150 (E4)	150 (E4)
17.5 R 25 */**				
20.5 R 25 */**				
23.5 R 25 */**				
26.5 R 25 */**				
29.5 R 25 **				
650/65 R 25 **				
750/65 R 25 */**				
33.25 R 29 **		TL-3A		
775/65 R 29 **				
875/65 R 29 **				
Page Reference	23	21	22	24

Radial Tyres for Port and Industrial Applications

								
	EV-3+	EV-4A	EV-4C	EV-4J	EV-4R	EV-4S	EV-5K	EV-5S
SIZES AVAILABLE	125 (IND3+)	150 (IND4)	150 (IND4)	150 (IND4)	150 (IND4)	150 (IND4)	250 (IND5)	250 (IND5)
14.00 R 24 ***			Available in 2017		Available in 2017			
14.00 R 25 ***								
16.00 R 25 ***								
480/95 R 25 ***								
18.00 R 25 ***								
18.00 R 33 ***			Available in 2017			EV-S4S		
Page Reference	45	45	45	45	45	45	45	45

Also available in EV-4K (150 - IND4)



Tyres for Wheel Loader, Grader and Underground



	GP-3D	RL-3S	RT-3B	TL-3A+	GP-4D	RL-4K	RL-4S
SIZES AVAILABLE	115 (L3)	115 (L3)	115 (L3)	125 (L3+)	150 (L4)	150 (L4)	150 (L4)
14.00 R 24 ***							
17.5 R 25 **			*	*/**			
20.5 R 25 **			*	*/**	*/**		
23.5 R 25 **				*/**	*/**	**/**	
26.5 R 25 **		+		*/**	*/**		
29.5 R 25 **							
600/65 R 25 *							
650/65 R 25 **							
750/65 R 25 */**							
26.5 R 29 **							
775/65 R 29 **							
875/65 R 29 **							
875/65 R 33 **						+	
Page Reference	35	39	29	33	36	37	39

+ Also available in RL-3S+ (125 - L3+)
 + Also available in RL-4K Half Track (150 - L4); neither are Hi-Stability construction

	RT-5D	RL-5K	RL-5K	RL-5S
SIZES AVAILABLE	250 (L5)	250 (L5)	250 (L5)	250 (L5)
17.5 R 25 **				
18.00 R 25 **				
20.5 R 25 **				
23.5 R 25 **				
26.5 R 25 **				
29.5 R 25 **				
29.5 R 29 **				
875/65 R 33 **	+			
1150/65 R 39 **				
1150/65 R 45 **				
Page Reference	31	37	41	39

+ Also available in RT-4D (150 - L4)



Bias Tyres for Port and Industrial Applications



	ELV-3A	ELV-4B	ELV-4D / ELV-5D
SIZES AVAILABLE	125 (IND3)	150 (IND4)	150 (IND4)
14.00 - 24			
16.00 - 25			
18.00 - 25			
18.00 - 33			
Page Reference	47	47	47



A reinforced casing allows to carry up to 25% more load than a non Hi-Stability tyre, in the same conditions.

Dedicated mainly to highly severe applications on loaders.

Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

Rigid Dump Truck





Goodyear haulage tyres for Rigid Dump Trucks.

Goodyear tyres for rigid dump trucks are specifically developed to help keep your equipment operating at capacity. Whether you're facing extreme terrains, mining quarries or hauling heavy loads through construction sites, Goodyear has a wide selection of haulage tyres to help you manage your throughput.

Haulage tyres for toughness and efficiency

- Strong, reinforced sidewalls help resist cuts on tough terrain
- Optimized tread patterns for increased traction
- Advanced compounds for performance in even the most severe applications



Rigid Dump Truck

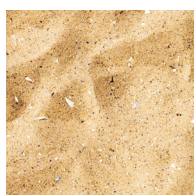
RL-3J

Smooth-riding, multi-purpose, radial tyre for high speed application in moderate to severe underfoot conditions.

- Centreline zigzag groove for high-torque applications and superior lateral traction
- Tapered shoulder lugs help provide excellent forward traction and self-cleaning
- 100-Level tread depth helps provide a cool-running, value tyre with good fuel economy
- Radial construction for better fuel economy, softer ride and improved treadwear
- High-tensile steel belt package for enhanced impact resistance



AGGREGATES



SAND



HARD IMPROVED SURFACE

Engineering Data

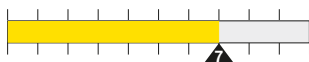
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
			Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
33.00 R 51 Tubeless	24.00 / 5.0	50	927	3015	1364	9090

Loads and Inflation

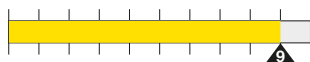
FOR TRANSPORT SERVICE AT 50KM/H MAXIMUM SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar										
			4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00
33.00 R 51 Tubeless	**	235B	27250	29000	30000	30750	32500	33500	34500	35600	36500	37500	38750

ABRASION AND CUT RESISTANCE



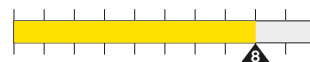
HEAT RESISTANCE



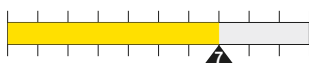
TRACTION



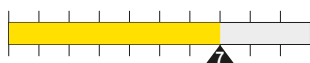
STABILITY



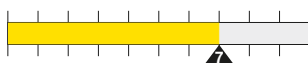
SELF CLEANING



LONGEVITY



COMFORT





RM-3A

The RM-3A is a haulage tyre for high-speed service that offers outstanding durability and performance.

- Cool-running, shallow tread, haulage tyre for long haul, high-speed service
- A sidewall scallop helps reduce temperature buildup for longer treadwear
- A high-angle, non-directional tread pattern offers a higher TKPH rating for improved overall performance
- Interlocking stability blading helps provide forward and backward traction
- High net-to-gross tread pattern helps improve footprint stability and offers additional heat relief than the E4
- Unique compound places more wearable tread on the ground



AGGREGATES



ROCK



HARD IMPROVED SURFACE

Engineering Data

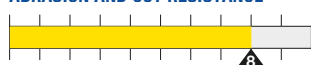
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
			Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
53/80 R 63	36.00 / 5.0	63.5	1341	3792	1681	11403
59/80 R 63	44.00 / 5.0	70	1496	4023	1775	12107

Loads and Inflation

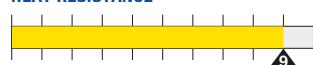
FOR TRANSPORT SERVICE AT 50KM/H MAXIMUM SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar										
			4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00
53/80 R 63	**	261B	60000	61500	65000	67000	69000	71000	73000	75000	77500	80000	82500
59/80 R 63	**	268B	71000	75000	77500	80000	82500	85000	90000	92500	95000	97500	100000

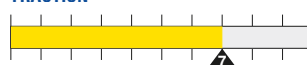
ABRASION AND CUT RESISTANCE



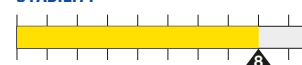
HEAT RESISTANCE



TRACTION



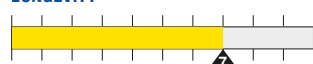
STABILITY



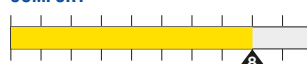
SELF CLEANING



LONGEVITY



COMFORT



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

Rigid Dump Truck

RL-3+ / RL-4

Radial rock tyre for high-speed haulage applications.

- Solid centreline section for high-torque applications, longer wear and smooth ride
- 125-level (RL-3+) and 150-level (RL-4) tread depth offering long wear, greater cut resistance and enhanced traction
- Unique compound helps provide cooler temperatures for long haul, high-speed service



AGGREGATES



ROCK



HARD IMPROVED SURFACE



Engineering Data

Engineering Data			INFLATED DIMENSIONS		LOADED TYRE	Rolling Circumference (mm)
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	
RL-3+						
18.00 R 25 Tubeless	13.00 / 2.5	29	511	1615	742	4868
21.00 R 35 Tubeless	15.00 / 3.0	44	587	2014	922	6070
24.00 R 35 Tubeless	17.00 / 3.5	48	658	2134	970	6432
27.00 R 49 Tubeless	19.5-4.0	53	752	2647	1133	6432
RL-4						
18.00 R 25 Tubeless	13.00 / 2.5	54	505	1656	757	4991

Loads and Inflation

FOR TRANSPORT SERVICE AT 50KM/H MAXIMUM SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar						
			5.50	5.75	6.00	6.25	6.50	6.75	7.00
RL-3+									
18.00 R 25 Tubeless	**	185B	7750	8000	8250	8500	8750	9000	9250
21.00 R 35 Tubeless	**	201B	11800	12150	12850	13200	13600	14000	14500
24.00 R 35 Tubeless	**	209B	15500	16000	16500	17000	17500	18000	18500
27.00 R 49 Tubeless	**	223B	22400	23000	23600	25000	25750	26500	27250
RL-4									
18.00 R 25 Tubeless	**	185B	7750	8000	8250	8500	8750	9000	9250

ABRASION AND CUT RESISTANCE



HEAT RESISTANCE



TRACTION



STABILITY



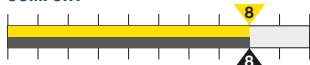
SELF CLEANING



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▲ RL-3+ benefits / ▼ RL-4 benefits



RL-4B

Time-proven radial rock tyre for utility haulage applications.

- Wide, flat tread radius offers longer, even tread life
- Solid centreline section for high-torque applications offers longer wear and a smooth ride
- 150-level tread depth with 50% deeper tread than standard E-3 helps provide long wear



AGGREGATES



ROCK



HARD IMPROVED SURFACE



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

Engineering Data

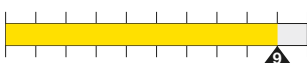
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
			Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
18.00 R 33 Tubeless	13.00-2.5	54	507	1858	856	5618
21.00 R 33 Tubeless	15.00 / 3.0	54	599	1991	914	6001
21.00 R 35 Tubeless	15.00-3.0	56	599	2036	908	6135
24.00 R 35 Tubeless	17.00-3.5	57	683	2205	998	6623
46/90 R 57 Tubeless	32.00-6.0	85	1199	3576	1600	10753

Loads and Inflation

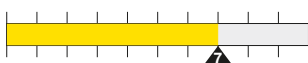
FOR TRANSPORT SERVICE AT 50KM/H MAXIMUM SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar										
			4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00
18.00 R 33 Tubeless	***	195B	9250	9750	10000	10300	10600	10900	11200	11500	11800	12000	12150
21.00 R 33 Tubeless	**	200B	-	-	-	-	11500	11800	12500	12850	13200	13600	14000
21.00 R 35 Tubeless	**	201B	10300	10600	11200	11500	11800	12150	12850	13200	13600	14000	14500
24.00 R 35 Tubeless	**	209B	13200	13600	14000	14500	15500	16000	16500	17000	17500	18000	18500
46/90 R 57 Tubeless	**	252B	45000	47500	48750	51500	53000	54500	56000	58000	60000	61500	63000

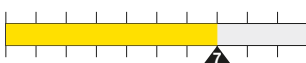
ABRASION AND CUT RESISTANCE



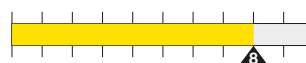
HEAT RESISTANCE



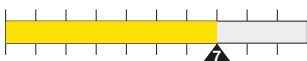
TRACTION



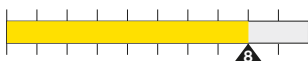
STABILITY



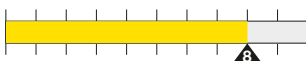
SELF CLEANING



LONGEVITY



COMFORT



Rigid Dump Truck

RL-4J

Radial rock tyre with long tread life and good traction.

- Submerged centreline zigzag groove for high-torque applications and superior lateral traction
- Tapered shoulder lugs help provide excellent forward traction and self-cleaning
- 150-level tread depth offers 50% deeper tread than standard E-3 for long wear



AGGREGATES



ROCK



HARD IMPROVED SURFACE



Engineering Data

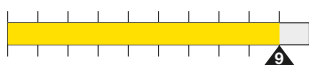
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
			Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
18.00 R 33 Tubeless	13.00 / 2.5	54	501	1871	866	5639
21.00 R 35 Tubeless	15.00 / 3.0	54	590	2042	940	6210
24.00 R 35 Tubeless	17.00 / 3.5	56	691	2190	1003	6660
27.00 R 49 Tubeless	19.50 / 4.0	64	752	2700	1237	8138
33.00 R 51 Tubeless	24.00-5.0	76	942	3063	1389	9346
36.00 R 51 Tubeless	26.00-5.0	85	1036	3261	1468	9804

Loads and Inflation

FOR TRANSPORT SERVICE AT 50KM/H MAXIMUM SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar											
			5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25
18.00 R 33 Tubeless	***	195B	9000	9250	9750	10000	10300	10600	10900	11200	11500	11800	12000	12150
21.00 R 35 Tubeless	**	201B	11800	12150	12850	13200	13600	14000	14500	-	-	-	-	-
24.00 R 35 Tubeless	**	209B	15500	16000	16500	17000	17500	18000	18500	-	-	-	-	-
27.00 R 49 Tubeless	**	-	22400	23000	23600	25000	25750	26500	27250	-	-	-	-	-
			4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	-
33.00 R 51 Tubeless	**	235B	27250	29000	30000	30750	32500	33500	34500	35600	36500	37500	38750	-
36.00 R 51 Tubeless	**	241B	33500	35500	36500	37500	38750	40000	41250	42500	43750	45000	46250	-

ABRASION AND CUT RESISTANCE



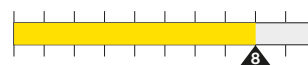
HEAT RESISTANCE



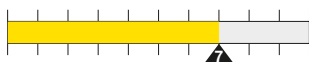
TRACTION



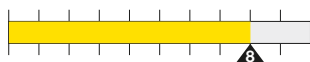
STABILITY



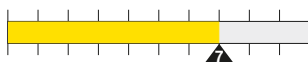
SELF CLEANING



LONGEVITY



COMFORT





RT-4A / RT-4A+

Radial haulage tyre with a deep tread pattern for outstanding traction and long, even wear.

- 150 (RT-4A) and 170 (RT-4A+) tread depth offers optimized traction and treadwear
- Unique geometry lug pattern offers even pressure distribution and increased mobility
- Rugged tread design offers long, even wear
- Interconnected tread blocks for improved durability
- Optimized pattern with high self-cleaning properties



EARTH AND MUD



AGGREGATES



ROCK



HARD IMPROVED SURFACE



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

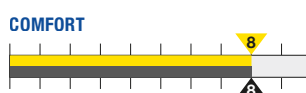
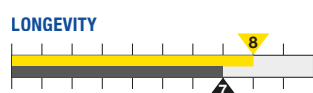
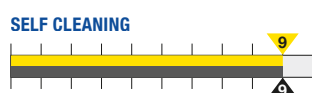
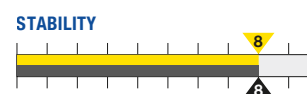
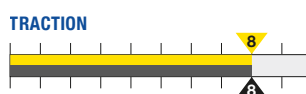
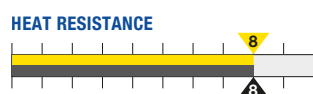
Engineering Data

Engineering Data			INFLATED DIMENSIONS		LOADED TYRE	Rolling Circumference (mm)
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	
RT-4A						
18.00 R 33 Tubeless	13.00 / 2.5	54	507	1870	855	5636
RT-4A+						
24.00 R 35 Tubeless	17.00 / 3.5	71	660	2184	980	6583
27.00 R 49 Tubeless	19.50 / 4.0	75	766	2700	1212	8138

Loads and Inflation

FOR TRANSPORT SERVICE AT 50KM/H MAXIMUM SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar											
			5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25
RT-4A														
18.00 R 33 Tubeless	***	195B	9000	9250	9750	10000	10300	10600	10900	11200	11500	11800	12000	12150
RT-4A+														
24.00 R 35 Tubeless	**	209B	15500	16000	16500	17000	17500	18000	18500	-	-	-	-	-
27.00 R 49 Tubeless	**	201B	22400	23000	23600	25000	25750	26500	27250	-	-	-	-	-



▲ RT-4A benefits / ▼ RT-4A+ benefits

Rigid Dump Truck

RM-4A+

The RM-4A+ is the next generation of Goodyear® haulage tyres offering toughness and performance for severe operating conditions.

- Extra-deep tread pattern helps provide longer treadwear
- A sidewall scallop offers reduced temperature buildup and allows for a higher TMPH rating for improved overall performance
- A high-angle, non-directional tread pattern helps provide forward and backward traction



AGGREGATES



ROCK



HARD IMPROVED SURFACE



Engineering Data

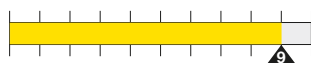
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
			Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
27.00 R 49 Tubeless	19.50-4.0	75	758	2697	1238	8130
33.00 R 51 Tubeless	24.00-5.0	88	942	3063	1365	9259
37.00 R 57 Tubeless	27.00-6.0	98	1072	3467	1545	10417
46/90 R 57 Tubeless	29.00-6.0	98	1174	3576	1588	10753
53/80 R 63 Tubeless	36.00-5.0	104	1341	3792	1681	11403
59/80 R 63 Tubeless	44.00-5.0	116	1496	4023	1775	12107

Loads and Inflation

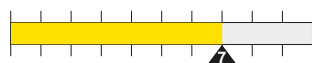
FOR TRANSPORT SERVICE AT 50KM/H MAXIMUM SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar										
			4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00
27.00 R 49 Tubeless	**	223B	19500	20000	20600	21800	22400	23000	23600	25000	25750	26500	27250
33.00 R 51 Tubeless	***	235B	27250	29000	30000	30750	32500	33500	34500	35600	36500	37500	38750
37.00 R 57 Tubeless	**	246B	37500	38750	40000	41250	43750	45000	46250	47500	48750	50000	51500
46/90 R 57 Tubeless	**	252B	45000	47500	48750	51500	53000	54500	56000	58000	60000	61500	63000
53/80 R 63 Tubeless	**	261B	60000	61500	65000	67000	69000	71000	73000	75000	77500	80000	82500
59/80 R 63 Tubeless	**	268B	71000	75000	77500	80000	82500	85000	90000	92500	95000	97500	100000

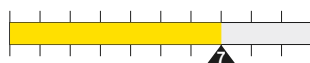
ABRASION AND CUT RESISTANCE



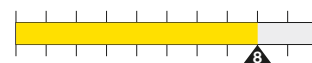
HEAT RESISTANCE



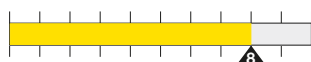
TRACTION



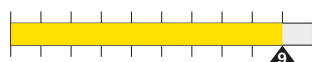
STABILITY



SELF CLEANING



LONGEVITY



COMFORT





Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

Rigid Dump Truck

RM-4B+

Engineered for severe operating conditions.

- 170-level tread depth offering superb wear performance
- Optimal tread zone stiffness for improved treadwear
- Cool-running CycleMax tread rubber compound
- Tread lug blading for additional heat resistance
- Interlocking blading for added stability
- Centreline channel for added lateral traction and heat resistance
- Angled main grooves for forward and lateral traction
- Extra thick sidewall for increased resistance to friction and impacts



AGGREGATES



ROCK



HARD IMPROVED SURFACE



NEW

Engineering Data

Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
			Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
18.00 R 33 Tubeless	13.00 / 2.5	64	507*	1858*	856*	5617*
21.00 R 35 Tubeless	15.00 / 3.0	68	599*	2036*	908*	6134*
24.00 R 35 Tubeless	17.00 / 3.5	70	683*	2205*	998*	6622*
40.00 R 57 Tubeless	29.00 / 6.0	98	1142	3573	1604	10785
46/90 R 57 Tubeless	29.00 / 6.0	98	1174	3576	1600	11090

*Estimated Data

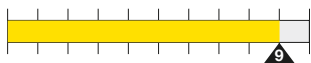
Loads and Inflation

FOR TRANSPORT SERVICE AT 50KM/H MAXIMUM SPEED

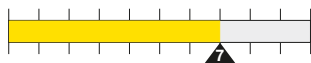
Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar															
			4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25
18.00 R 33 Tubeless	***	195B	-	-	-	-	-	9250	9750	10000	10300	10600	10900	11200	11500	11800	12000	12150
21.00 R 35 Tubeless	**	201B	10300	10600	11200	11500	11800	12150	12850	13200	13600	14000	14500	-	-	-	-	-
24.00 R 35 Tubeless	**	209B	13200	13600	14000	14500	15500	16000	16500	17000	17500	18000	18500	-	-	-	-	-
40.00 R 57 Tubeless	**	250B	42500	45000	46250	48750	50000	51500	53000	54500	56000	58000	60000	-	-	-	-	-
46/90 R 57 Tubeless	**	252B	45000	47500	48750	51500	53000	54500	56000	58000	60000	61500	63000	-	-	-	-	-



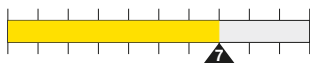
ABRASION AND CUT RESISTANCE



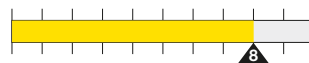
HEAT RESISTANCE



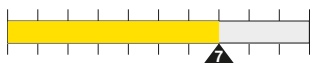
TRACTION



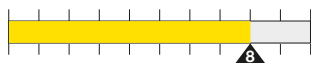
STABILITY



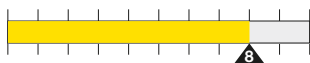
SELF CLEANING



LONGEVITY



COMFORT



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

Rigid Dump Truck

RL-4M+

The RL-4M+ is for haulage use in severe operating conditions.

- 150-plus-level tread design with non-directional tread pattern offers optimized treadwear and improved forward and lateral traction
- Rugged tread design and submerged center rib help improve treadwear
- Wider tread footprints help provide improved wear rate, cut resistance and durability
- Radial construction offers cooler running temperatures



EARTH AND MUD



AGGREGATES



ROCK



HARD IMPROVED SURFACE



Engineering Data

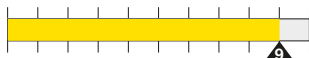
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
			Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
33.00 R 51 Tubeless	24.00-5.0	89	925	3063	1395	9259
37.00 R 57 Tubeless	27.00-6.0	98	1080	3449	1562	10417

Loads and Inflation

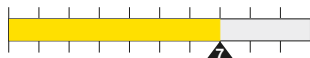
FOR TRANSPORT SERVICE AT 50KM/H MAXIMUM SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar										
			4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00
33.00 R 51 Tubeless	**	235B	27250	29000	30000	30750	32500	33500	34500	35600	36500	37500	38750
37.00 R 57 Tubeless	**	245B	37500	38750	40000	41250	43750	45000	46250	47500	48750	50000	51500

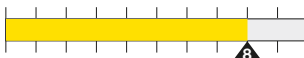
ABRASION AND CUT RESISTANCE



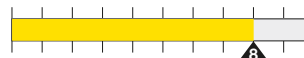
HEAT RESISTANCE



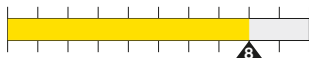
TRACTION



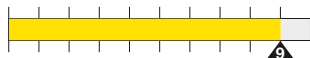
STABILITY



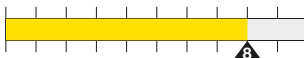
SELF CLEANING



LONGEVITY



COMFORT





RL-4H

150-level radial rock tyre with long, even wear having a flat tread design for optimized footprint and load distribution.

- Solid centerline section for high-torque applications, longer wear and smooth ride
- 150-level tread depth offers 50% deeper tread than standard E-3 for long wear
- Tyre available in multiple tread compounds – Type 2 for long, high-speed applications, Type 3 for intermittent high-speed applications, Type 4 for standard haulage applications and Type 6 for abrasion resistance



EARTH AND MUD



AGGREGATES



ROCK



HARD IMPROVED SURFACE



Engineering Data

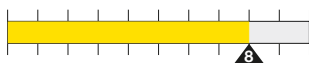
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
			Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
30.00 R 51 Tubeless	22.00-4.5	70	856	2936	1334	8850
33.00 R 51 Tubeless	24.00-5.0	76	932	3063	1382	9259
36.00 R 51 Tubeless	26.00-5.0	85	1031	3261	1468	9804
37.00 R 57 Tubeless	27.00-6.0	85	1072	3442	1547	10417

Loads and Inflation

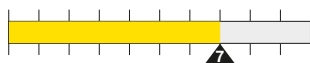
FOR TRANSPORT SERVICE AT 50KM/H MAXIMUM SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar										
			4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00
30.00 R 51 Tubeless	**	230B	23600	25000	25750	26500	28000	29000	30000	30750	31500	32500	33500
33.00 R 51 Tubeless	**	235B	27250	29000	30000	30750	32500	33500	34500	35600	36500	37500	38750
36.00 R 51 Tubeless	**	241B	33500	35500	36500	37500	38750	40000	41250	42500	43750	45000	46250
37.00 R 57 Tubeless	**	245B	37500	38750	40000	41250	43750	45000	46250	47500	48750	50000	51500

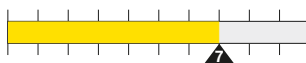
ABRASION AND CUT RESISTANCE



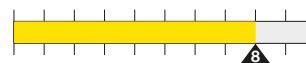
HEAT RESISTANCE



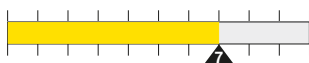
TRACTION



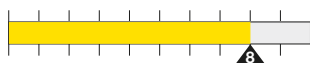
STABILITY



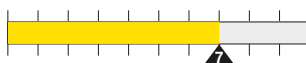
SELF CLEANING



LONGEVITY



COMFORT



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

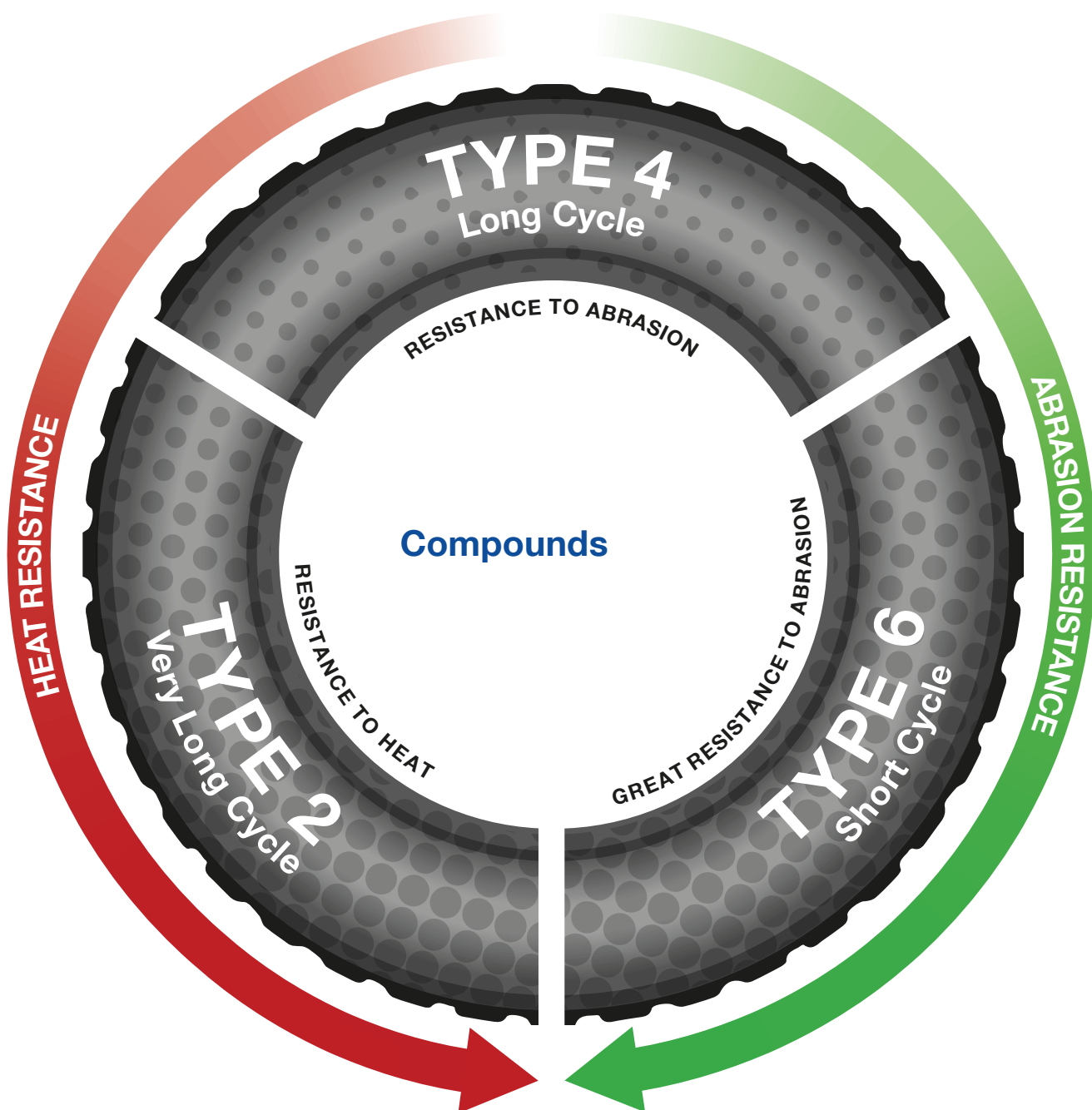
Port & Industrial

OE Pressure Recommendations

General Information

Rigid Dump Truck

Specific compounds and constructions for every application.





Application Map

Rigid Dump Truck

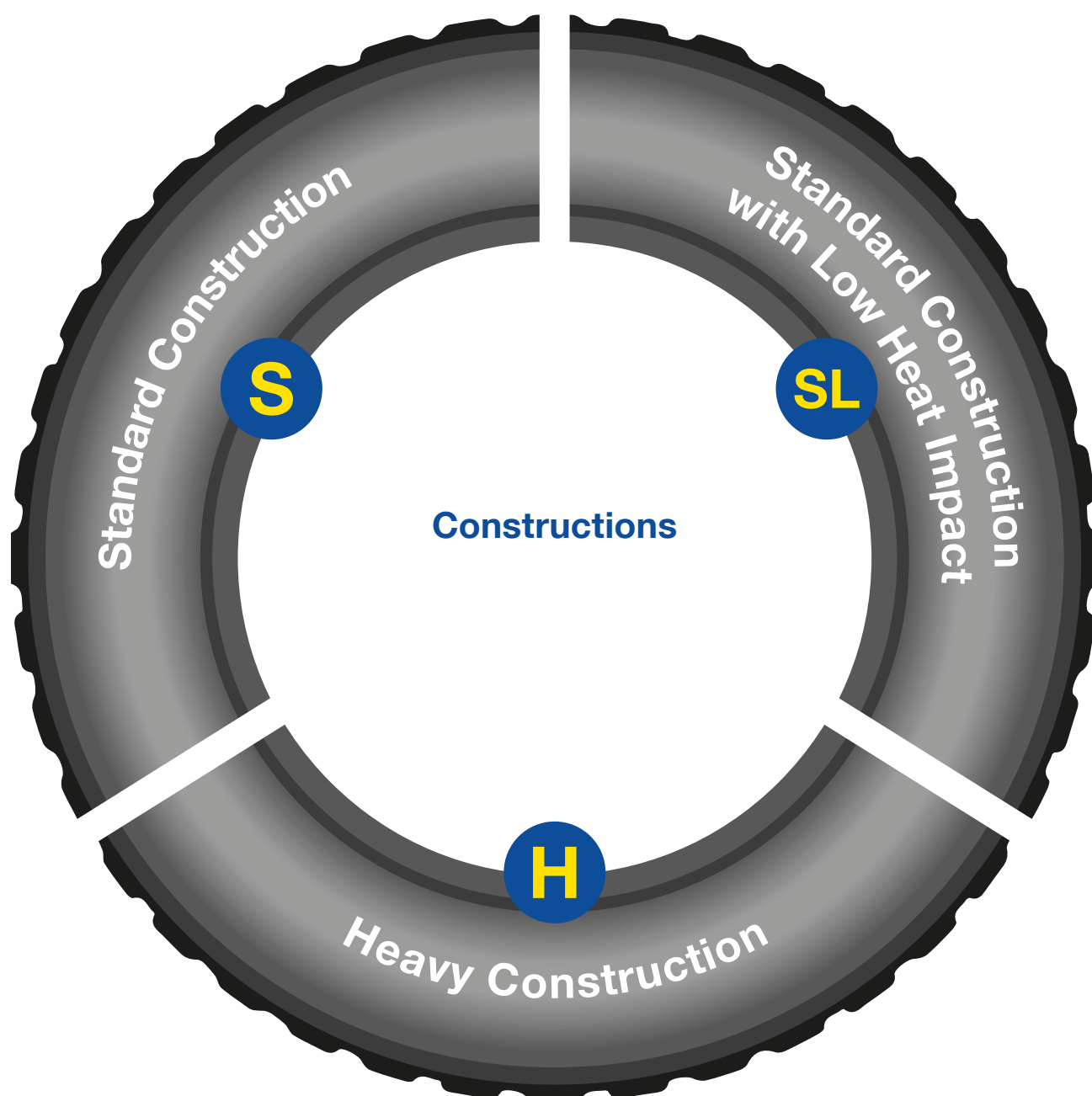
Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information



Consult your Goodyear representative for additional information before making a compound and construction choice.

Articulated Dump Truck





Goodyear haulage tyres for Articulated Dump Trucks.

Goodyear tyres for articulated dump trucks are specially designed to offer superior traction and resistance in the most severe applications while maintaining the highest level of manoeuvrability.

Haulage tyres for toughness and versatility

- Optimized tread pattern for increased traction and manoeuvrability
- Strong, reinforced sidewalls to increase protection against cuts on tough terrain
- Advanced compounds to guarantee performance on all types of soil



Articulated Dump Truck

TL-3A+

Radial traction tyre with 25% more tread depth for superior traction and ride in soft soil and loose underfoot conditions.

- Computer-engineered lug design helps reduce vibration and offer excellent traction
- 125-level tread depth, 25% deeper than standard E-3, for long wear, greater cut resistance and enhanced traction
- Ultra-wide tread arc width helps provide enhanced forward and lateral traction and flotation



SAND



EARTH AND MUD



AGGREGATES



Engineering Data

Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
			Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
17.5 R 25	14.00 / 1.5	36	454	1354	619	4038
20.5 R 25	17.00 / 2.0	40	545	1476	655	4449
23.5 R 25	19.50 / 2.5	42	620	1625	717	4898
750/65 R 25	24.00 / 3.0	46	775	1628	712	4878
26.5 R 25	22.00 / 3.0	46	681	1753	770	5284
29.5 R 25 	25.00 / 3.5	47	788	1880	834	5667

Loads and Inflation

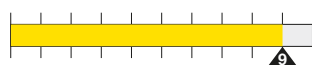
FOR ARTICULATED DUMP TRUCK AT 50KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar												
			2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00
17.5 R 25	**	167B	-	-	-	-	-	-	-	4125	4375	4625	4750	5000	5150
20.5 R 25	**	177B	4000	4375	4750	5000	5450	5800	6000	6300	6700	6900	7300	7500	8000
23.5 R 25	**	185B	5000	5450	6000	6300	6700	7300	7500	8000	8500	8750	9250	9500	10000
750/65 R 25	**	190B	6000	6500	7100	7750	8250	8750	9250	9750	10000	10600	11250	11650	12200
26.5 R 25	**	193B	6300	6900	7500	8000	8500	9000	9500	10000	10600	10900	11500	12150	12500
29.5 R 25 	**	200B	7500	8250	9000	9500	10300	10900	11500	12150	12850	13200	14000	14500	15000

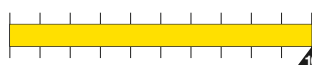
ABRASION AND CUT RESISTANCE



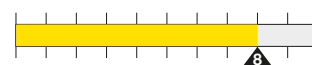
HEAT RESISTANCE



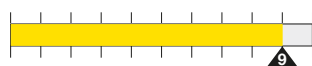
TRACTION



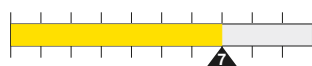
STABILITY



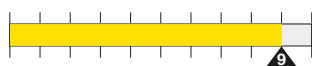
SELF CLEANING



LONGEVITY



COMFORT





TL-3A / TL-4A

First-in-class traction tyre for Articulated Dump Trucks.

- E3 / E4 tyre with superior load capability
- Optimized tread pattern for increased versatility
- Wide pattern offering superb traction in the most challenging conditions



SAND



EARTH AND MUD



AGGREGATES



NEW

Engineering Data

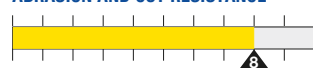
Engineering Data			INFLATED DIMENSIONS		LOADED TYRE	
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
TL-3A						
33.25 R 29	27.00 - 3.5	Coming Soon				
TL-4A						
33.25 R 29	27.00 - 3.5	64	864	2088	915	6297

Loads and Inflation

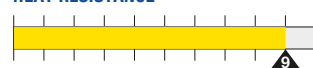
FOR ARTICULATED DUMP TRUCK AT 50 KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar						
			3.75	4.00	4.25	4.50	4.75	5.00	5.25
33.25 R 29	**	209B	14000	15000	15500	16500	17000	17500	18500

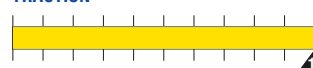
ABRASION AND CUT RESISTANCE



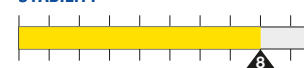
HEAT RESISTANCE



TRACTION



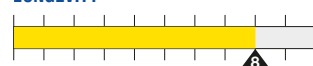
STABILITY



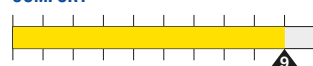
SELF CLEANING



LONGEVITY



COMFORT



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

Articulated Dump Truck

GP-3D

Radial tyre with extra tread depth for use on articulated truck dump trucks for greater mobility.

- 65-Series profile for high flotation to improve stability and reduced ground pressure
- Ultra-wide tread arc width for added sidewall protection, greater flotation and traction along with longer tread life
- Multi-directional tread design for high fore and lateral traction



SAND



AGGREGATES



HARD IMPROVED SURFACE



Engineering Data

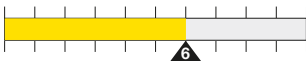
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
			Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
650/65 R 25	19.50-2.5	35	680	1490	645	4494

Loads and Inflation

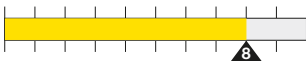
FOR ARTICULATED DUMP TRUCK AT 50 KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar									
			2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25
650/65 R 25	**	180B	-	4875	5300	5600	6000	6500	6900	7100	7500	8000

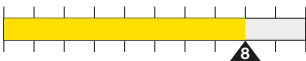
ABRASION AND CUT RESISTANCE



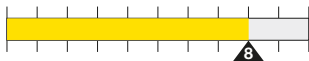
HEAT RESISTANCE



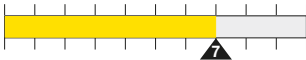
TRACTION



STABILITY



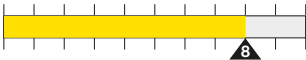
SELF CLEANING



LONGEVITY



COMFORT





GP-4D

Highly versatile tyre for use on articulated dump trucks in a wide range of applications.

- 150-level tread depth for enhanced mud and soft soil traction and extended tread life
- 100-level OD for no interference on tandem axles
- Centreline riding lugs for good lateral traction, long wear and smooth ride
- Massive shoulder blocks for higher resistance to impacts and abrasion



EARTH AND MUD



AGGREGATES



ROCK



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

Engineering Data

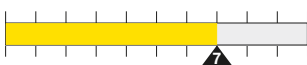
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
			Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
20.5 R 25	17.00 / 2.0	52	536	1495	677	4506
23.5 R 25	19.50 / 2.5	55	632	1618	735	4880
26.5 R 25	22.00 / 3.0	55	701	1748	783	5269
775/65 R 29 	24.00 / 3.0	53	792	1749	772	5272
875/65 R 29 	27.00 / 3.0	57	861	1880	830	5666
29.5 R 25 	25.00 / 3.5	57	775	1870	836	5637

Loads and Inflation

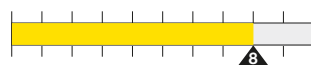
FOR ARTICULATED DUMP TRUCK AT 50KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar							
			2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50
20.5 R 25	**	177B	5000	5450	5800	6000	6300	6700	6900	7300
23.5 R 25	**	185B	6300	6700	7300	7500	8000	8500	8750	9250
26.5 R 25	**	193B	8000	8500	9000	9500	10000	10600	10900	11500
775/65 R 29 	**	195B	9250	9750	10300	10900	11500	12150	12850	-
875/65 R 29 	**	203B	11200	11800	12500	13200	14000	14500	15500	-
29.5 R 25 	**	200B	9500	10300	10900	11500	12150	12850	13200	14000

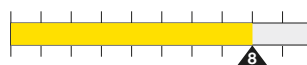
ABRASION AND CUT RESISTANCE



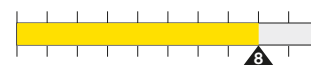
HEAT RESISTANCE



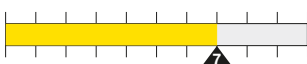
TRACTION



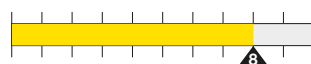
STABILITY



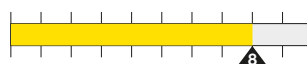
SELF CLEANING



LONGEVITY



COMFORT



Wheel Loader / Grader / Underground





A complete range for all applications.

Goodyear offers a wide selection of specially constructed tyres for tough applications. Offering high-strength casings, tough tread compounds and a diverse range of tread designs for individual applications. An optimized treadwear, traction and cut resistance will help you reduce downtime and lower your operating costs.

Robust tyres for underground applications

- High-strength casings offer superior resistance to cuts and impact damage
- Tough tread compounds offer exceptional abrasion resistance to greatly increase treadwear and resist cuts and snags
- A wide selection of tread designs offers the traction and toughness required for specific applications
- Large footprint area helps enhance traction and mobility
- Tough casings help provide stability to help handle heavy payloads
- Reinforced sidewalls help resist punctures and damage

Radial stability and traction for wheel loaders and graders

- Large footprint area helps enhance traction and mobility
- Tough casings help provide stability to help handle heavy payloads
- Reinforced sidewalls help resist punctures and damage

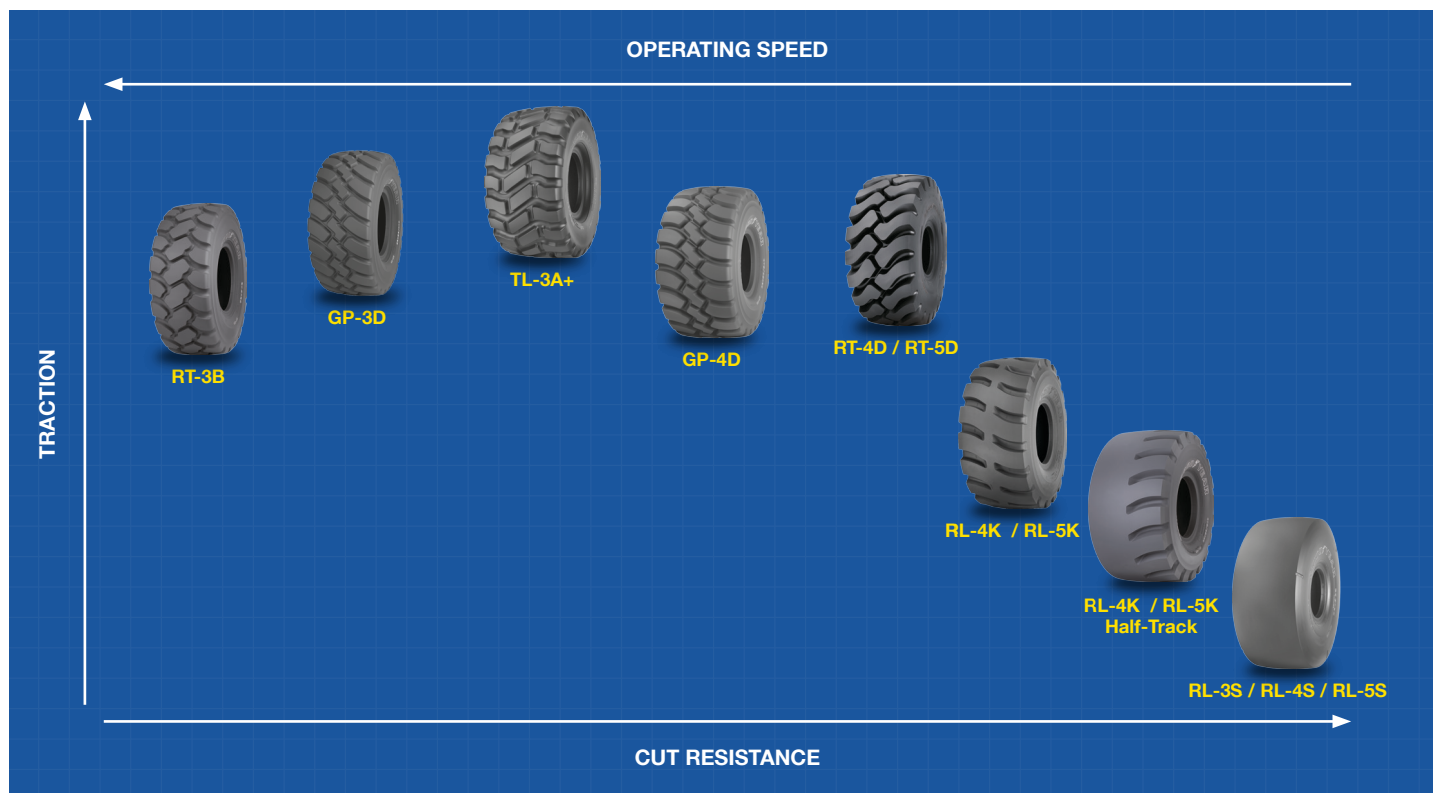


A reinforced casing allows to carry up to 25% more load than a non Hi-Stability tyre, in the same conditions.

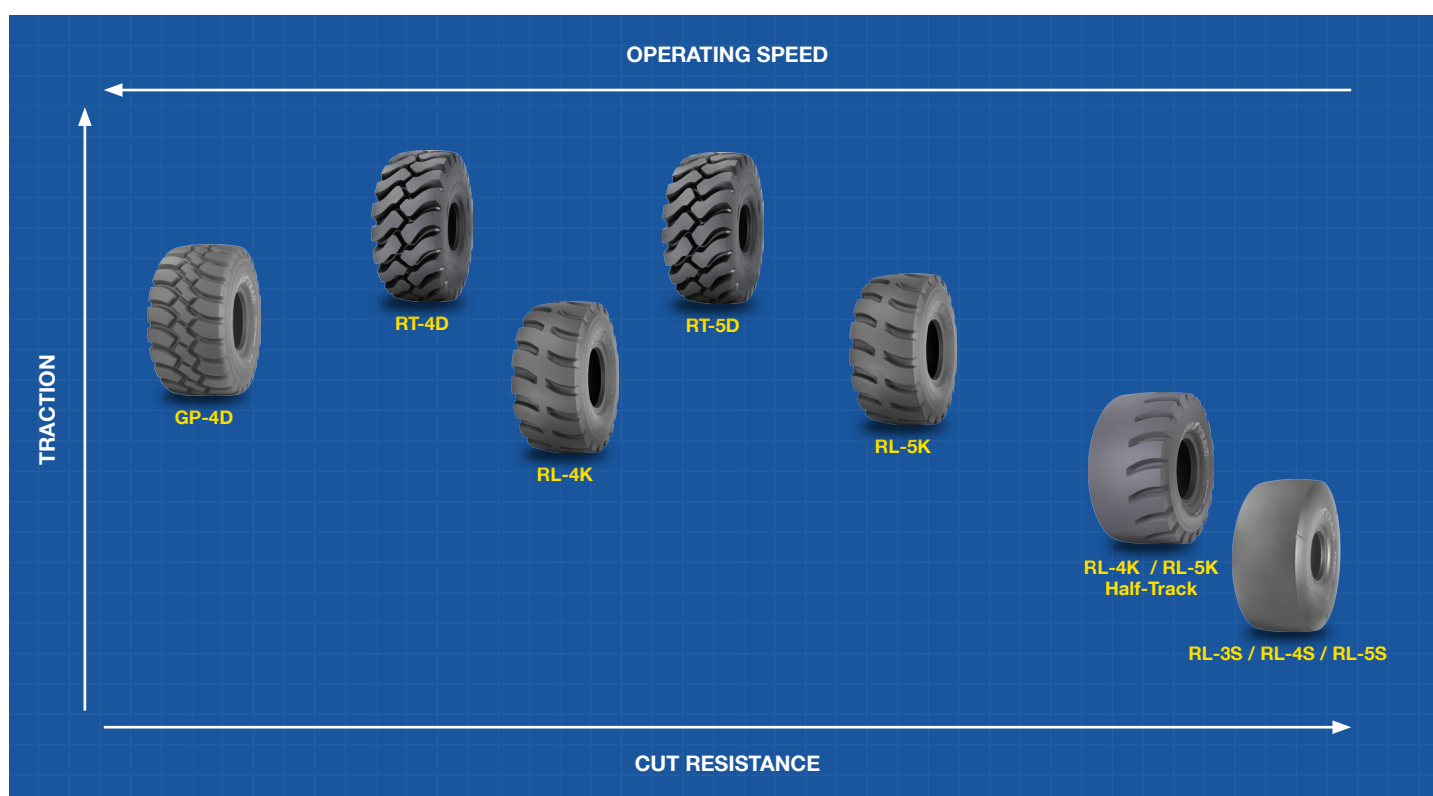
Dedicated mainly to highly severe applications on loaders.

Wheel Loader / Grader / Underground

Wheel Loader

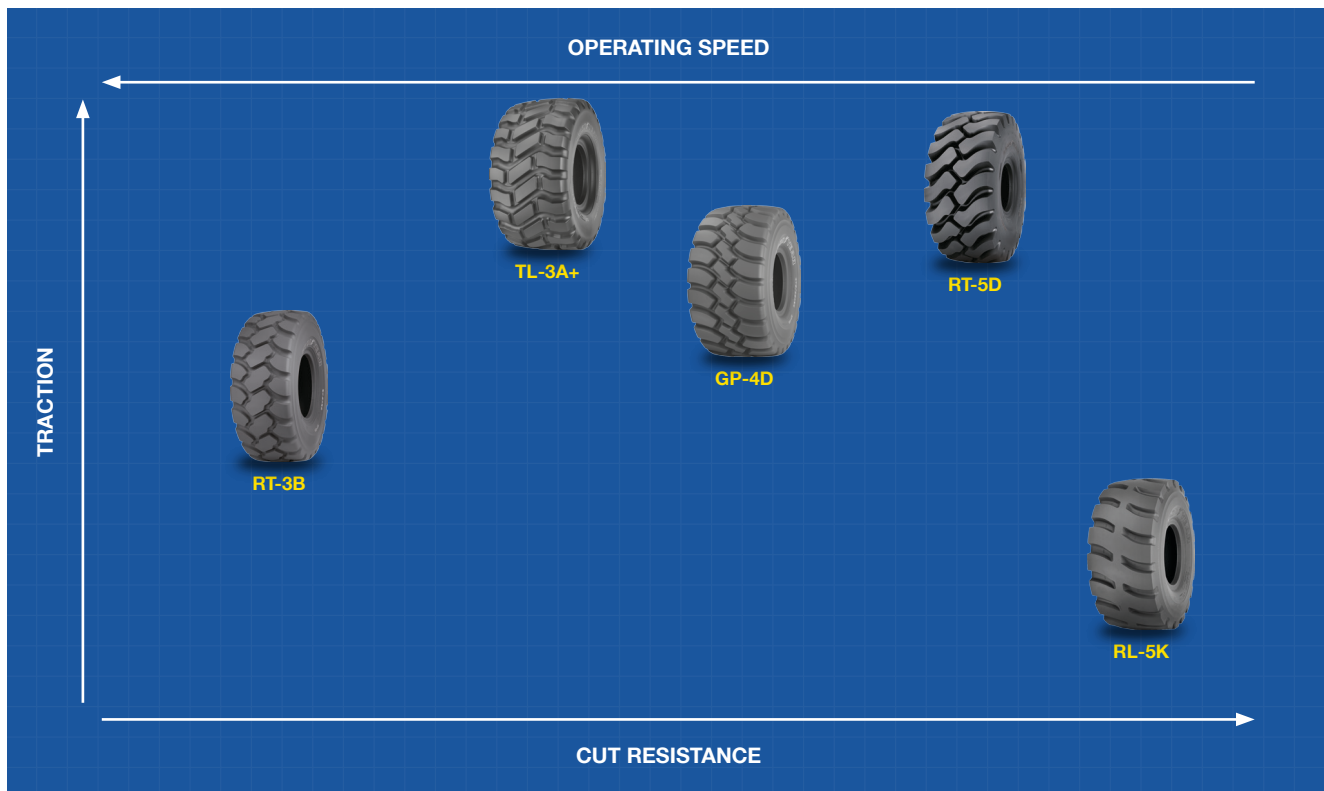


Underground





Grader



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information



Wheel Loader / Grader / Underground

RT-3B

A Strong choice for use on rough terrain.

- Multiple steel belts to help save you downtime and money by resisting rock cuts and penetrations
- Wide tread width improves mobility and gives a more stable, comfortable ride
- All-steel radial construction helps resist heat build up offering the best compromise between stability and versatility



SAND



AGGREGATES



Engineering Data

Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
			Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
17.5 R 25	14.00 / 1.5	29	460	1351	603	4072
20.5 R 25	17.00 / 2.0	33	538	1481	651	4464
23.5 R 25 	19.50 / 2.5	36	620	1605	718	4837
26.5 R 25 	22.00 / 3.0	40	695	1741	766	5263
29.5 R 25 	25.00 / 3.5	44	787	1858	809	5560

Loads and Inflation

FOR LOADER/DOZER SERVICE AT 10KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar																		
			2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50
17.5 R 25	*	176A2	3650	4000	4250	4625	4850	5300	5600	5800	6000	6150	6500	6700	7100	-	-	-	-	-	-
20.5 R 25	*	186A2	4750	5150	5600	6000	6300	6700	7100	7500	8000	8250	8750	9000	9500	-	-	-	-	-	-
23.5 R 25 	**	201A2	6000	6500	7100	7750	8250	8750	9250	9750	10300	10600	11200	11500	12150	12500	12850	13200	13600	14000	14500
26.5 R 25 	**	209A2	7500	8250	9000	9500	10300	10900	11500	12150	12850	13200	14000	14500	15000	15500	16000	16500	17000	18000	18500
29.5 R 25 	**	216A2	9000	10000	10900	11500	12500	13200	14000	14500	15500	16000	17000	17500	18000	19000	19500	20000	20600	21200	22400



Loads and Inflation

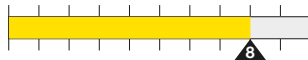
FOR GRADER SERVICE AT 40KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar				
			2.00	2.25	2.50	2.75	3.00
17.5 R 25	*	176A2	2575	2900	3075	3350	3650
20.5 R 25	*	186A2	3450	3825	4125	4375	4625
23.5 R 25	**	201A2	4500	4875	5300	5600	6000

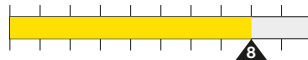
ABRASION AND CUT RESISTANCE



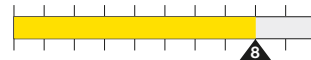
HEAT RESISTANCE



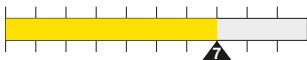
TRACTION



STABILITY



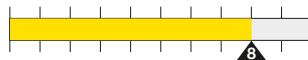
SELF CLEANING



LONGEVITY



COMFORT



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

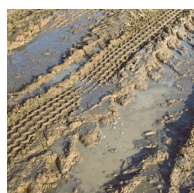
General Information

Wheel Loader / Grader / Underground

RT-4D / RT-5D

Rock-traction design engineered for the most severe working conditions.

- The innovative tread design delivers high protection against impact and shocks, outstanding traction performance and longevity in the 'front of quarry' application, in difficult industrial operations as well as in recycling
- The Hi-Stability carcass technology contributes to the extension of tyre life in aggressive environments, protecting the sidewall and offering a robust bead area to carry up to 25% more load per cycle (vs non Hi-Stability carcass)
- The wide and massive non directional tread enables the transport of heavy loads like block handling
- Vibrations on hard surfaces are reduced by 30% (vs. RT-5C pattern) giving operators the most comfortable working conditions



EARTH AND MUD



AGGREGATES



ROCK



RECYCLING

Engineering Data

Engineering Data			INFLATED DIMENSIONS		LOADED TYRE	
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
RT-4D						
875/65 R 33 	28.00 / 3.5	65	889	2080	938	6142
RT-5D						
20.5 R 25 	17.00 / 2.0	78	554	1534	693	4630
23.5 R 25 	19.50 / 2.5	80	623	1654	747	4985
26.5 R 25 	22.00 / 3.0	88	703	1783	803	5374
29.5 R 25 	25.00 / 3.5	97	795	1926	851	5809
875/65 R 33 	28.00 / 3.5	98	889	2080	937	6142



Loads and Inflation

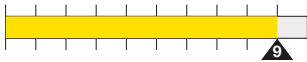
FOR LOADER/DOZER SERVICE AT 10KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar							
			4.00	5.00	5.25	5.50	5.75	6.00	6.25	6.50
20.5 R 25 	**	193A2	8000	9500	9750	10000	10300	10900	11200	11500
23.5 R 25 	**	201A2	10300	12150	12500	12850	13200	13600	14000	14500
26.5 R 25 	**	209A2	12850	15000	15500	16000	16500	17000	18000	18500
29.5 R 25 	**	216A2	15500	18000	19000	19500	20000	20600	21200	22400
875/65 R 33 	**	224A2	19500	23600	24300	25000	25750	26500	27250	28000

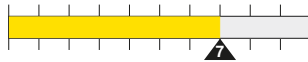
FOR GRADER SERVICE AT 40KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar				
			2.00	2.25	2.50	2.75	3.00
20.5 R 25 	**	193A2	3450	3825	4125	4375	4625
23.5 R 25 	**	201A2	4500	4875	5300	5600	6000

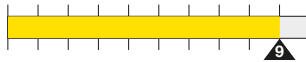
ABRASION AND CUT RESISTANCE



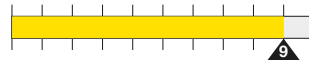
HEAT RESISTANCE



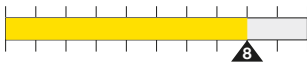
TRACTION



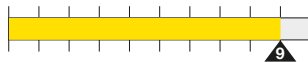
STABILITY



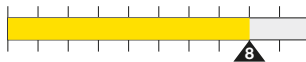
SELF CLEANING



LONGEVITY



COMFORT



▲ RT-SD benefits



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

Wheel Loader / Grader / Underground

TL-3A+

Radial tyre design with extra tread depth for superior traction and ride in soft soil and loose underfoot conditions without compromising comfort.

- Computer-engineered lug design helps reduce vibration and offer excellent traction
- 125-level tread depth, 25% deeper than standard E-3, for long wear, greater cut resistance and enhanced traction
- Ultra-wide tread arc width helps provide enhanced forward and lateral traction and flotation



SAND



EARTH AND MUD



AGGREGATES



Engineering Data

Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	Rolling Circumference (mm)
			Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	
17.5 R 25	14.00 / 1.5	36	454	1354	604	4038
20.5 R 25	17.00 / 2.0	40	545	1476	655	4449
23.5 R 25	19.50 / 2.5	42	620	1625	717	4898
750/65 R 25	24.00 / 3.0	46	775	1628	712	4878
26.5 R 25	22.00 / 3.0	46	681	1753	770	5284
29.5 R 25 	25.00 / 3.5	47	788	1880	834	5667

Loads and Inflation

FOR LOADER/DOZER SERVICE AT 10KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar																		
			2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50
17.5 R 25	*	176A2	3650	4000	4250	4625	4850	5300	5600	5800	6000	6150	6500	6700	7100	-	-	-	-	-	-
20.5 R 25	*	186A2	4750	5150	5600	6000	6300	6700	7100	7500	8000	8250	8750	9000	9500	-	-	-	-	-	-
23.5 R 25	*	195A2	6000	6500	7100	7750	8250	8750	9250	9750	10300	10600	11200	11500	12150	-	-	-	-	-	-
750/65 R 25	*	202A2	8250	9000	9750	10300	11200	12000	12500	13200	14000	14500	15000	15500	16500	-	-	-	-	-	-
26.5 R 25	*	202A2	7500	8250	9000	9500	10300	10900	11500	12150	12850	13200	14000	14500	15000	-	-	-	-	-	-
29.5 R 25 	**	216A2	9000	10000	10900	11500	12500	13200	14000	14500	15500	16000	17000	17500	18000	19000	19500	20000	20600	21200	22400

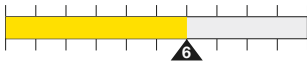


Loads and Inflation

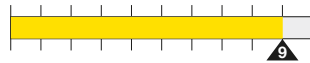
FOR GRADER SERVICE AT 40KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar					
			1.75	2.00	2.25	2.50	2.75	3.00
17.5 R 25	*	176A2	-	-	2900	3,075	3350	3650
20.5 R 25	**	177B	3150	3450	3825	4125	4375	4625
23.5 R 25	**	185B	4000	4500	4875	5300	5600	6000

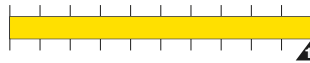
ABRASION AND CUT RESISTANCE



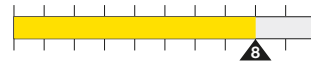
HEAT RESISTANCE



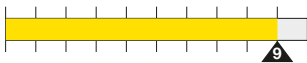
TRACTION



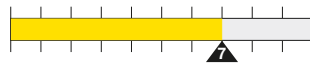
STABILITY



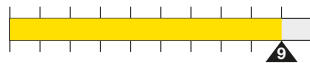
SELF CLEANING



LONGEVITY



COMFORT



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

Wheel Loader / Grader / Underground

GP-3D

Multi-purpose tyre with extra tread depth for increased wheel loader mobility.

- 65-Series profile for high flotation to improve stability and reduced ground pressure
- Ultra-wide tread arc width for added sidewall protection, greater flotation and traction along with longer tread life
- Multi-directional tread design for high fore and lateral traction



SAND



AGGREGATES



ROCK



Engineering Data

Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
			Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
600/65 R 25	17.00-2.0	33	594	1439	634	4340
650/65 R 25	19.50-2.5	35	680	1490	645	4494

Loads and Inflation

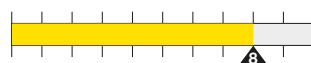
FOR LOADER/DOZER SERVICE AT 10 KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar								
			2.00	2.25	2.50	3.00	3.50	4.00	4.50	4.75	5.00
600/65 R 25	*	187A2	4625	5150	5600	6500	7300	8250	9000	9500	9750
650/65 R 25	**	193A2	5800	6300	3700	7750	8750	9500	10600	10900	11500

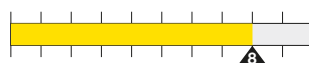
ABRASION AND CUT RESISTANCE



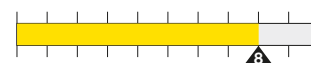
HEAT RESISTANCE



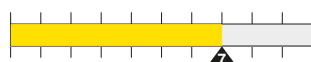
TRACTION



STABILITY



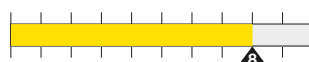
SELF CLEANING



LONGEVITY



COMFORT





GP-4D

Highly versatile tyre for use in a wide range of applications.

- 150-level tread depth for enhanced mud and soft soil traction and extended tread life
- Multi-directional tread design and centreline riding lugs for good lateral traction, long wear and smooth ride
- Massive shoulder blocks for higher resistance to impacts and abrasion



EARTH AND MUD



AGGREGATES



ROCK



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

Engineering Data

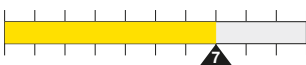
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
			Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
20.5 R 25	17.00 / 2.0	52	536	1495	665	4506
23.5 R 25	19.50 / 2.5	55	632	1618	710	4880
26.5 R 25	22.00 / 3.0	55	701	1748	783	5269
775/65 R 29 	24.00 / 3.0	53	792	1749	754	5272
875/65 R 29 	27.00 / 3.0	57	861	1880	830	5666
29.5 R 25 	25.00 / 3.5	57	775	1870	820	5637

Loads and Inflation

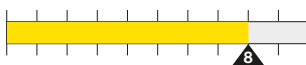
FOR LOADER/DOZER SERVICE AT 10KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar																		
			2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50
20.5 R 25	*	186A2	4750	5150	5600	5950	6300	6700	7100	7550	8000	8375	8750	9125	9500	-	-	-	-	-	-
23.5 R 25	*	195A2	6000	6500	7100	7750	8250	8750	9250	9750	10300	10600	11200	11500	12150	-	-	-	-	-	-
26.5 R 25	*	202A2	7500	8250	9000	9500	10300	10900	11500	12150	12850	13200	14000	14500	15000	-	-	-	-	-	-
775/65 R 29 	**	213A2	9250	10000	10600	11200	12050	12850	13200	14000	14500	15500	16000	17000	17500	18000	19000	19500	20000	20600	-
875/65 R 29 	**	221A2	11500	12500	13200	14000	15000	16000	16500	17500	18500	19500	20000	21200	21800	22400	23600	24300	25000	25750	-
29.5 R 25 	**	216A2	9000	10000	10900	11500	12500	13200	14000	14500	15500	16000	17000	17500	18000	19000	19500	20000	20600	21200	22400

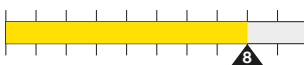
ABRASION AND CUT RESISTANCE



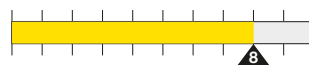
HEAT RESISTANCE



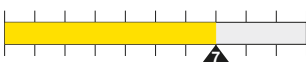
TRACTION



STABILITY



SELF CLEANING



LONGEVITY



COMFORT



Wheel Loader / Grader / Underground

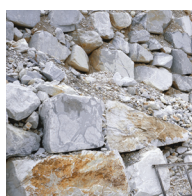
RL-4K / RL-5K

Rock-lug tyres, specifically designed for wheel loader applications in severe service conditions.

- Multi-directional tread design, specially developed for wheel loader applications
- The massive blocks and deep tread pattern are highly effective in the most abrasive & aggressive applications
- The RL-5K is recommended for severe applications such as 'front of quarry', difficult industrial operations, underground operations as well as recycling



AGGREGATES



ROCK



RECYCLING



Engineering Data

Engineering Data			INFLATED DIMENSIONS		LOADED TYRE	Rolling Circumference (mm)
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	
RL-4K						
17.5 R 25 	14.00 / 1.5	38	452	1398	624	4251
20.5 R 25 	17.00 / 2.0	50	554	1534	693	4623
23.5 R 25 	19.50 / 2.5	54	623	1654	747	4985
26.5 R 25 	22.00 / 3.0	53	703	1783	803	5374
29.5 R 25 	25.00 / 3.5	57	805	1920	839	5780
875/65 R 33 	28.00 / 3.5	58	905	2079	937	6266
RL-5K						
17.5 R 25 	14.00 / 1.5	64	452	1398	624	4251
20.5 R 25 	17.00 / 2.0	71	554	1534	693	4623
23.5 R 25 	19.50 / 2.5	79	623	1654	747	4985
18.00 R 25 	13.00 / 2.5	78	513	1671	776	5036
26.5 R 25 	22.00 / 3.0	87	703	1783	803	5374
29.5 R 25 	25.00 / 3.5	97	805	1920	861	5786
29.5 R 29 	25.00 / 3.5	95	764	2024	890	6097
875/65 R 33 	28.00 / 3.5	95	905	2079	937	6266
1150/65 R 39 	36.00 / 4.5	118	1143	2578	1140	7770
1150/65 R 45 	36.00 / 4.5	118	1143	2737	1218	8249



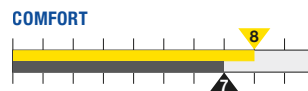
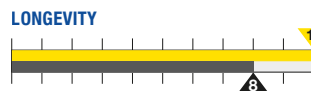
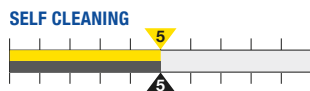
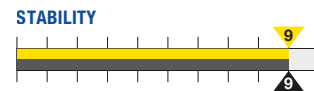
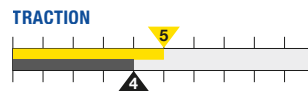
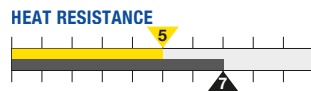
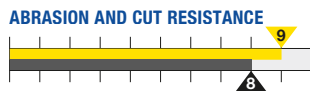
Loads and Inflation

FOR LOADER/DOZER SERVICE AT 10KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar								
			4.50	5.00	5.25	5.50	5.75	6.00	6.25	6.50	8.25
17.5 R 25	**	182A2	6500	7100	7300	7500	7750	8000	8250	8500	-
20.5 R 25	**	193A2	-	9500	9750	10000	10300	10900	11200	11500	-
23.5 R 25	**	201A2	11200	12150	12500	12850	13200	13600	14000	14500	-
23.5 R 25	***	206A2	-	-	12500	12850	13200	13600	14000	14500	-
18.00 R 25	**	204A2	10000	10900	11200	11800	12150	12500	12850	13200	16000
26.5 R 25	**	209A2	14000	15000	15500	16000	16500	17000	18000	18500	-
875/65 R 33	**	223A2	-	22400	23000	23600	24300	25000	26500	27250	-
1150/65 R 39	**	242A2	-	40000	41250	42500	43750	45000	46250	47500	-
1150/65 R 45	**	245A2	-	42500	43750	45000	47500	48750	50000	51500	-
29.5 R 25	**	216A2	-	18000	19000	19500	20000	20600	21200	22400	-

FOR GRADER SERVICE AT 40KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar				
			2.00	2.25	2.50	2.75	3.00
17.5 R 25	**	182A2	2575	2900	3075	3350	3650
20.5 R 25	**	193A2	3450	3825	4125	4375	4625
23.5 R 25	**	201A2	4500	4875	5300	5600	6000



▲ RL-4K benefits / ▼ RL-5K benefits



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

Wheel Loader / Grader / Underground

RL-3S / RL-4S / RL-5S

Smooth, super extra tread, loader tyre for severe operating environments.

The RL-3S, RL-4S and RL-5S are level 115 (L3), level 150 (L4) and level 250 (L5) tyres, suitable for the most severe applications, such as 'front of quarry' and underground mining.

The RL-5S is also recommended for recycling and a fire retardant version is available to assist the steel industry with hot slag collection.



RL-3S / RL-4S / RL-5S

- High protection against impact, cuts and penetrations
- Increasing protection against abrasion and cuts (while selection goes from RL-3S to RL-5S)

RL-5S FR

- Available in size 26.5R25 only, this tyre features a Fire Retardant compound, offering increased protection against compound combustion
- The product is optimised to assist load & carry operations in hot slag



ROCK



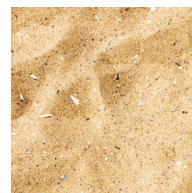
RECYCLING



AGGREGATES

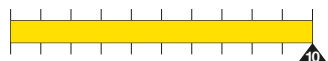


HARD IMPROVED SURFACE



SAND

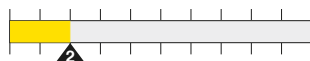
ABRASION AND CUT RESISTANCE



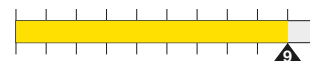
HEAT RESISTANCE



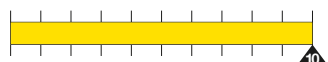
TRACTION



STABILITY



SELF CLEANING



LONGEVITY



COMFORT



▲ RL-5S benefits



Engineering Data

Engineering Data			INFLATED DIMENSIONS		LOADED TYRE	
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
RL-3S						
20.5 R 25 	17.00 / 2.0	28	554	1534	693	4623
23.5 R 25 	19.50 / 2.5	32	623	1654	747	4985
26.5 R 25 	22.00 / 3.0	44	707	1750	769	5275
26.5 R 29 	22.00 / 3.0	44	737	1864	825	5617
875/65 R 33 	28.00 / 3.5	48	912	2085	937	6263
RL-4S						
14.00 R 24	10.00W	38	396	1407	626	4243
17.5 R 25 	14.00 / 1.5	46	452	1398	624	4251
29.5 R 25 	25.00 / 3.5	57	805	1920	861	5786
875/65 R 33 	28.00 / 3.5	57	904	2079	937	6270
RL-5S						
17.5 R 25 	14.00 / 1.5	64	452	1398	624	4251
20.5 R 25 	17.00 / 2.0	71	554	1534	693	4623
23.5 R 25 	19.50 / 2.5	79	623	1654	747	4985
18.00 R 25 	13.00 / 2.5	78	513	1748	776	5268
26.5 R 25 	22.00 / 3.0	87	703	1783	803	5374
29.5 R 25 	25.00 / 3.5	97	805	1920	861	5786
875/65 R 33 	28.00 / 3.5	95	905	2079	937	6266
RL-5S FR						
26.5 R 25 	22.00 / 3.0	87	703	1783	803	5374

Loads and Inflation

FOR LOADER/DOZER SERVICE AT 10KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar								
			4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	8.25
14.00 R 24	***	188A2	6300	6500	6700	6900	7100	7500	7750	8000	9500
17.5 R 25	**	182A2	6700	7100	7300	7500	7750	8000	8250	8500	-
20.5 R 25	**	193A2	9000	9500	9750	10000	10300	10900	11200	11500	-
23.5 R 25	**	201A2	11500	12150	12500	12850	13200	13600	14000	14500	-
18.00 R 25	**	204A2	10000	10900	11200	11800	12150	12500	12850	13200	16000
26.5 R 25	**	209A2	14500	15000	15500	16000	16500	17000	18000	18500	-
29.5 R 25	**	216A2	17500	18000	19000	19500	20000	20600	21200	22400	-
26.5 R 29	**	211A2	15500	16000	16500	17500	18000	18500	19000	19500	-
875/65 R 33	**	223A2	-	22400	23000	23600	24300	25000	26500	27250	-
875/65 R 33	**	224A2	-	23600	24300	25000	25750	26500	27250	28000	-

Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

Wheel Loader / Grader / Underground

RL-4K / RL-5K Half-Track

The RL-4K and RL-5K Half-Track are tyres with similar design attributes but offer an increased resistance to cuts and penetrations.

- Asymmetric tread designs, engineered for wheel loader applications
- The tyres offer an increase in protection against cuts and material impact to perform at the highest level even the most severe applications such as 'front of quarry', underground operations and recycling
- To maximise protection, the tyres should be mounted on to the vehicle with the smooth half on the outside
- Extra robustness might be an alternative to chains*

* Contact your Goodyear sales representative for more information.



AGGREGATES



ROCK



RECYCLING

Engineering Data

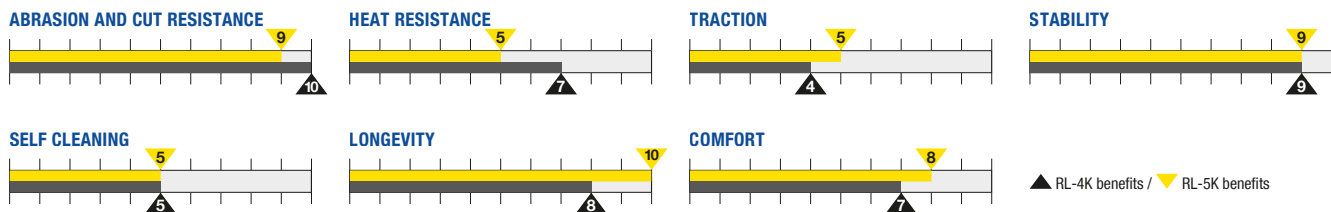
Engineering Data			INFLATED DIMENSIONS		LOADED TYRE	Rolling Circumference (mm)
Dimension	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	
RL-4K Half-Track						
875/65 R 33 	28.00 / 3.5	58	905	2079	937	6266
RL-5K Half-Track						
17.5 R 25 	14.00 / 1.5	64	452	1398	624	4251
23.5 R 25 	19.50 / 2.5	79	623	1654	747	4985
18.00 R 25 	13.00 / 2.5	78	513	1671	776	5036
26.5 R 25 	22.00 / 3.0	87	703	1783	803	5374
29.5 R 25 	25.00 / 3.5	97	805	1920	861	5786
875/65 R 33 	28.00 / 3.5	95	905	2079	937	6266



Loads and Inflation

FOR LOADER/DOZER SERVICE AT 10KM/H REFERENCE SPEED

Dimension	Star Marking	Load Speed Index	Loads per Tyre in Kilograms and Inflation in Bar								
			4.50	5.00	5.25	5.50	5.75	6.00	6.25	6.50	8.25
17.5 R 25 	**	182A2	6500	7100	7300	7500	7750	8000	8250	8500	-
23.5 R 25 	**	201A2	11200	12150	12500	12850	13200	13600	14000	14500	-
23.5 R 25 	***	206A2	-	-	12500	12850	13200	13600	14000	14500	-
18.00 R 25 	**	204A2	10000	10900	11200	11800	12150	12500	12850	13200	16000
26.5 R 25 	**	209A2	14000	15000	15500	16000	16500	17000	18000	18500	-
29.5 R 25 	**	216A2	-	18000	19000	19500	20000	20600	21200	22400	-
875/65 R 33 	**	223A2	-	22400	23000	23600	24300	25000	26500	27250	-
1150/65 R 39 	**	242A2	-	40000	41250	42500	43750	45000	46250	47500	-
1150/65 R 45 	**	245A2	-	42500	43750	45000	47500	48750	50000	51500	-



To maximise protection, the tyres should be mounted onto the vehicle with the smooth half on the outside.

Outwards

Maximum protection against cuts, impacts and punctures.



Inwards

Slotted additional shoulders on one side for traction when needed.

Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

Port and Industrial





Goodyear's tyres for container handling and industrial use.

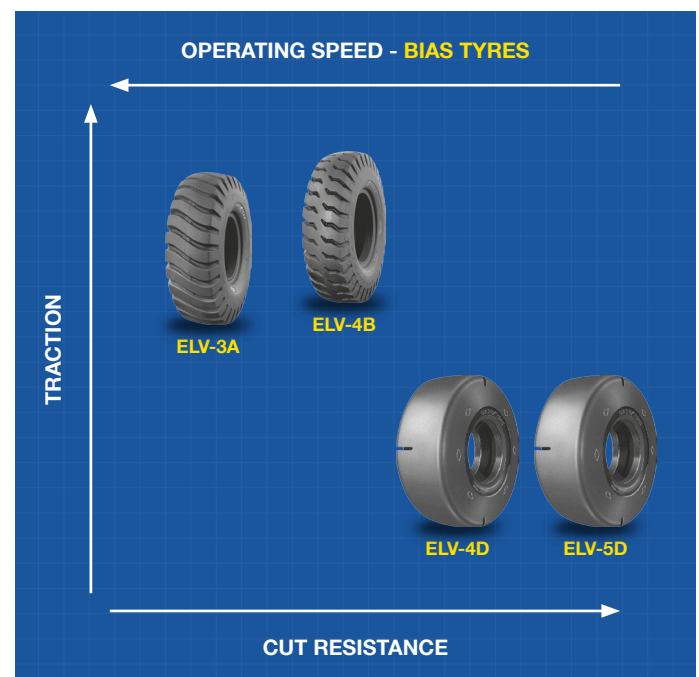
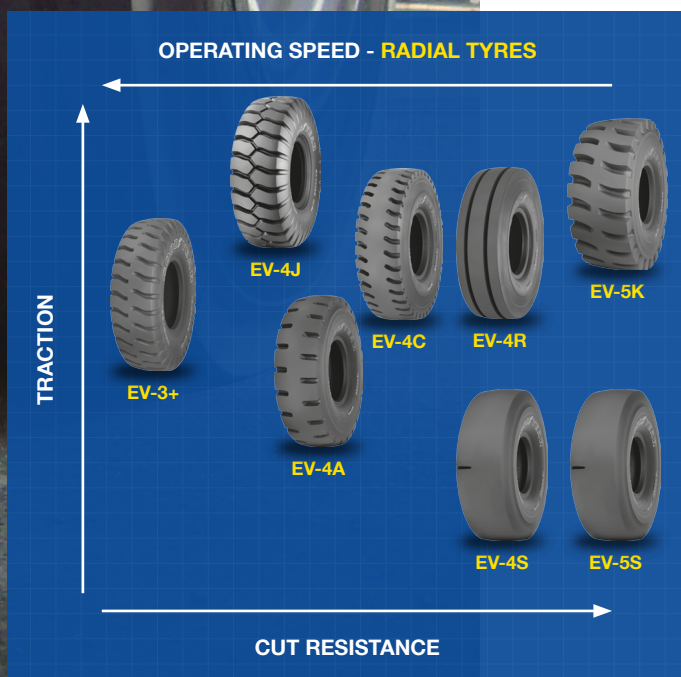
Goodyear's selection of radial and bias tyres help to enhance the efficiency of industry handling applications in and around ports, intermodal platforms and other job sites. Offering outstanding strength, resistance to cuts and snags and long tread life, Goodyear industry handling tyres help reduce downtime and lower your cost of operation.

Radial selection – Port and Container application

- Offers strong performance for container handlers, reach stackers, straddle carriers, gantry cranes and other similar equipment
- Strong, reinforced sidewalls help resist cuts and snags in harsh operating environments
- Offers outstanding cut and puncture resistance and enhanced retreadability
- Enlarged beads offer outstanding stability, especially in high-reach situations
- Large, rectangular footprints help reduce unit ground pressure for superb mobility

Bias selection – Industrial application

- Goodyear's advanced bias-ply construction offers outstanding dampening and stability in lifting mode
- Large bead areas, far above industry standards, lessen side sway for steady performance
- Thick, tough sidewalls help resist punctures and extend tread life while offering the ability to support heavy loads



Radial Tyres

Radial tyres for Container Handling and Industrial use.

- Extra strong radial carcass for heavy loads
- Excellent stability
- Special tread compound for long lasting treadwear and low cost per hour



EV-4C



EV-4R



EV-4S / EV-5S



EV-3+



EV-4A



EV-4J



EV-5K

Engineering Data

Dimension	Tube	Pattern	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
					Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
14.00 R 24	Tube Type	EV-4A	10.00	39	396	1407	626	4240
14.00 R 24	Tube Type	EV-4S	10.00	38*/49	396	1407	626	4243
14.00 R 24	Tubeless	EV-4A	10.00	39	396	1407	626	4240
14.00 R 24	Tubeless	EV-4C	10.00	Available in 2017				
14.00 R 24	Tubeless	EV-4R	10.00	Available in 2017				
14.00 R 25	Tubeless	EV-4S	10.00	38*/48	396	1407	626	4243
16.00 R 25	Tubeless	EV-4C	11.25 / 2.0	50	430	1532	673	4618
16.00 R 25	Tubeless	EV-4R	11.25 / 2.0	50	430	1532	673	4618
16.00 R 25	Tubeless	EV-4S	11.25 / 2.0	46*/50	430	1532	673	4618
480/95 R 25	Tubeless	EV-4C	13.00 / 2.5	50	446	1532	682	4570
480/95 R 25	Tubeless	EV-4R	13.00 / 2.5	50	446	1532	682	4570
18.00 R 25	Tubeless	EV-3+	13.00 / 2.5	42	511	1640	709	4943
18.00 R 25	Tubeless	EV-4C	13.00 / 2.5	58	495	1668	735	5068
18.00 R 25	Tubeless	EV-4K	13.00 / 2.5	54	513	1671	735	5040
18.00 R 25	Tubeless	EV-4R	13.00 / 2.5	58	495	1668	735	5068
18.00 R 25	Tubeless	EV-4S	13.00 / 2.5	56*/63	530	1674	735	5045
18.00 R 25	Tubeless	EV-5K	13.00 / 2.5	88	513	1671	757	5040
18.00 R 25	Tubeless	EV-5S	13.00 / 2.5	79*/90	530	1675	742	5048
18.00 R 33	Tubeless	EV-3+	13.00 / 2.5	42	495	1824	841	5498
18.00 R 33	Tubeless	EV-4J	13.00 / 2.5	53	513	1875	866	5653
18.00 R 33	Tubeless	EV-4C	13.00 / 2.5	Available in 2017				
18.00 R 33	Tubeless	EV-S4S	13.00 / 2.5	56*/63	524	1868	828	5630

* Tread depth for retreading



Loads and Inflation

THESE LOADS ONLY APPLY TO DRIVE AXLES. FOR STEER AXLE, REDUCE THE LOAD CARRYING CAPACITY BY 20%

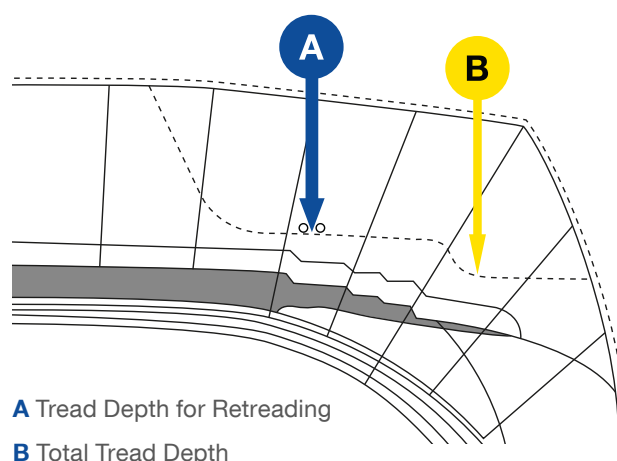
Dimension	Star Marking	Load Speed Index	Inflation (Bar)	Loads per Tyre in Kilograms and Speed in Km/hour								Comments
				0 km/h	1 km/h	5 km/h	10 km/h	15 km/h	20 km/h	25 km/h	30 km/h	
14.00 R 24	***	188A2	10.0	18000	16000	14500	13500	13000	12700	12500	12200	-
14.00 R 25	***	188A5	10.0	18000	16000	14500	13500	13000	12700	12500	12200	-
16.00 R 25	***	200A5	10.0	25200	22400	20300	18900	18200	17780	17500	17080	-
480/95 R 25	***	206A5	10.0	30600	27200	24650	22950	22100	21590	21250	20740	-
18.00 R 25	***	206A5	10.0	30600	27200	24650	22950	22100	21590	21250	20740	-
18.00 R 25	***	207A5	10.0	31500	28000	25375	23625	22750	22225	21875	21350	EV-4C and EV-4R only
18.00 R 33	***	211A2	10.0	35100	31200	28275	26325	25350	24765	24375	23790	EV-4J only
18.00 R 33	***	211A5	10.0	35100	31200	28275	26325	25350	24765	24375	23790	EV-3+ and EV-S4S

LOAD CARRYING CAPACITY FOR STRADDLE CARRIERS ONLY

Dimension	Loads per Tyre in Kilograms and Speed in Km/hour									
	0 km/h	1 km/h	5 km/h	10 km/h	15 km/h	20 km/h	25 km/h	30 km/h	35 km/h	40 km/h
14.00 R 24	18000	16000	14500	13500	13000	12700	12500	12200	11900	11700
16.00 R 25	23130	20560	18633	17348	16705	16320	16063	15677	15292	15035
480/95 R 25	24480	21760	19720	18360	17680	17340	17000	16490	16150	15810
18.00 R 25	24480	21760	19720	18360	17680	17340	17000	16490	16150	15810



How to Measure the Tread Depth of EV-4S / EV-5S & EV-S4S Tyres?



Goodyear is changing the development of their Earthmover tyres used in Industrial Applications to follow the design criteria of the ETRTO "Industrial and Lift Truck Tyres" division. As the reference speed specified for unloaded lift trucks is 25 km/h the speed marking of the tyres will change from A2 to A5. There will be no change to the previously approved load carrying capacities of the tyres.

Tyre loads only applicable when used on smooth, hard improved surface.

Load capacities for steer wheels to be deducted by 20%.

Contact your rim supplier regarding information on rim strength for inflation pressures exceeding 7 bar.

Please consult your Goodyear representative for additional information.

Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

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Bias Tyres

Bias tyres for Container Handling and Industrial use.

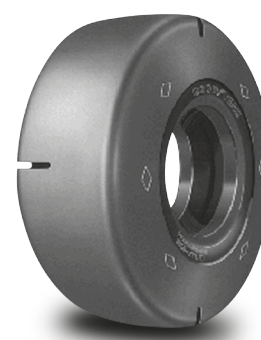
- Reinforced carcass
- Excellent stability
- Long lasting tread compound



ELV-3A



ELV-4B



ELV-4D / ELV-5D

Engineering Data

Dimension	Tube	Pattern	Design Rim Width / Flange Height (inches)	Tread Depth (mm)	INFLATED DIMENSIONS		LOADED TYRE	
					Overall Width (mm)	Overall Diameter (mm)	Static Loaded Radius (mm)	Rolling Circumference (mm)
14.00 - 24	Tube Type	ELV-3A	10.00	26	394	1384	632	4174
16.00 - 25	Tubeless	ELV-3A	11.25 / 2.0	29	442	1476	683	4566
18.00 - 25	Tubeless	ELV-4B	13.00 / 2.5	55	529	1671	761	5036
18.00 - 25	Tubeless	ELV-4D	13.00 / 2.5	-	-	-	-	-
18.00 - 25	Tubeless	ELV-5D	13.00 / 2.5	82	528	1673	776	5052
18.00 - 33	Tubeless	ELV-4B	13.00 / 2.5	55	516	1885	868	5319

Loads and Inflation

THESE LOADS ONLY APPLY TO DRIVE AXLES. FOR STEER AXLE, REDUCE THE LOAD CARRYING CAPACITY BY 20%

Dimension	Ply Rating	Inflation (Bar)	Loads per Tyre in Kilograms and Speed in Km/hour						
			0 km/h	1 km/h	5 km/h	10 km/h	15 km/h	20 km/h	25 km/h
14.00 - 24	28	10.0	17100	15200	13775	12825	12350	12065	11875
16.00 - 25	28	10.0	20700	18400	16675	15525	14950	14605	14375
18.00 - 25	40	10.0	28800	25600	23200	21600	20800	20320	20000
18.00 - 33	36	10.0	33480	29760	26970	25110	24180	23622	23250

Tyre loads only applicable when used on smooth, hard improved surface.

Load capacities for steer wheels to be deducted by 20%.

Contact your rim supplier regarding information on rim strength for inflation pressures exceeding 7 bar.

Please consult your Goodyear representative for additional information.



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OE Pressure Recommendations





GOODYEAR

MADE TO FEEL GOOD.

OE Pressure Recommendations for VOLVO

Tyres for VOLVO Wheel Loaders



TYRE RATING

	GP-3D 115 (L3)	RT-3B 115 (L3)	TL-3A+ 125 (L3+)	GP-4D 150 (L4)
Abrasion and Cut Resistance	7	7	6	7
Heat Resistance	8	8	9	8
Traction	8	8	10	8
Stability	8	8	8	8
Self Cleaning	7	7	9	7
Longevity	6	6	7	8
Comfort	8	8	9	8

MODELS

DIMENSION

L 45H	17.5 R 25				
L 50H	17.5 R 25				
L 60H	17.5 R 25				
	20.5 R 25				
	600/65 R 25				
L 70H	20.5 R 25				
	600/65 R 25				
L 90H	20.5 R 25				
	650/65 R 25				
L 110H	23.5 R 25				
	750/65 R 25				
L 120H	23.5 R 25				
	750/65 R 25				
L 150H	26.5 R 25				
	775/65 R 29				
L 180H	26.5 R 25	5.00	5.00	5.00	
	775/65 R 29				
L 180H - RH C4	26.5 R 25				
	775/65 R 29				
L 220H	29.5 R 25				
	875/65 R 29				
L 250H	29.5 R 25				
	875/65 R 29				
L 250G LC	29.5 R 25				
L 350F	875/65 R 33				



RL-4K 150 (L4)	RL-5K 250 (L5)	RT-4D 150 (L4)	RT-5D 250 (L5)
			
8	9	9	9
7	5	8	7
4	5	9	9
9	9	9	9
5	5	8	8
8	10	8	9
7	8	8	8

INFLATION
RECOMMENDATION
(Bar)

				FRONT	REAR
				3.00	2.50
				3.50	2.50
				4.75	3.25
				3.25	2.00
				2.75	2.00
				3.75	2.25
				3.25	2.00
				4.25	2.75
				4.00	2.50
				4.00	2.50
				3.00	2.00
				4.25	2.75
				3.25	2.25
				4.25	2.75
				3.25	2.00
5.25	5.25		5.25	5.00 / 5.25	3.75
				4.00	2.50
				6.00	4.50
				4.75	3.25
				5.00	3.00
				3.75	2.25
				5.50	4.00
				4.00	2.50
				6.25	5.00
				6.50	4.50

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OE Pressure Recommendations for VOLVO

Tyres for VOLVO Articulated Dump Trucks



TYRE RATING

Abrasion and Cut Resistance	6		7		6	
Heat Resistance	9		8		8	
Traction	10		8		10	
Stability	8		8		8	
Self Cleaning	9		7		9	
Longevity	7		8		9	
Comfort	9		8		9	

INFLATION RECOMMENDATION (Bar)

MODELS	DIMENSION				FRONT	CENTRE & REAR
A 25E 4x4	23.5 R 25 (front)				4.25	-
	29.5 R 25 (rear)				-	5.00
A 25G	23.5 R 25				3.75	4.00
A 30G	23.5 R 25				4.00	5.00
	750/65 R 25				3.25	3.75
A 35G	26.5 R 25				3.75	4.75
A 35G FS	775/65 R 29				3.25	4.00
A 40G	29.5 R 25				3.75	5.00
A 40G FS	875/65 R 29				2.75	3.50
A 45G	29.5 R 25				3.00	4.00
	875/65 R 29				2.75	3.50
A 60H	33.25 R 29				3.75	5.00



Application Map

Rigid Dump Truck

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OE Pressure Recommendations for CATERPILLAR

Tyres for CATERPILLAR Wheel Loaders



TYRE RATING

	GP-3D 115 (L3)	RT-3B 115 (L3)	TL-3A+ 125 (L3+)	GP-4D 150 (L4)
Abrasion and Cut Resistance	7	7	6	7
Heat Resistance	8	8	9	8
Traction	8	8	10	8
Stability	8	8	8	8
Self Cleaning	7	7	9	7
Longevity	6	6	7	8
Comfort	8	8	9	8

Tyres for SMALL Wheel Loaders

MODELS	DIMENSION				
924K	17.5 R 25				
924Hz	17.5 R 25				
926M	17.5 R 25				
	20.5 R 25				
930M	17.5 R 25				
	20.5 R 25				

Tyres for MIDSIZE Wheel Loaders

MODELS	DIMENSION				
938M	20.5 R 25				
	650/65 R 25				
950M	23.5 R 25				
	750/65 R 25				
962M	23.5 R 25				
	750/65 R 25				
966M	26.5 R 25				
966X	775/65 R 29				
972M	26.5 R 25				
972X	775/65 R 29				
980M	29.5 R 25				
	875/65 R 29				
982M	875/65 R 29				
IT38H	20.5 R 25				
	650/65 R 25				
IT62H	23.5 R 25				
	750/65 R 25				

Tyres for LARGE Wheel Loaders

MODELS	DIMENSION				
988K	875/65 R 33				
988K HL	875/65 R 33				
992K	1150/65 R 45				



RL-4K 150 (L4)	RL-5K 250 (L5)	RT-4D 150 (L4)	RT-5D 250 (L5)
			
8	9	9	9
7	5	8	7
4	5	9	9
9	9	9	9
5	5	8	8
8	10	8	9
7	8	8	8

INFLATION
RECOMMENDATION
(Bar)

				FRONT	REAR
				4.00	2.00
				3.50	2.50
				5.00	3.50
				3.50	2.50
				5.00	3.25
				3.50	2.50

				FRONT	REAR
				4.50	3.00
				3.00	2.00
				4.75	3.00
				3.00	2.00
				4.75	3.00
				3.25	2.25
				4.75	3.00
				3.75	2.50
				5.00	3.00
				4.00	2.50
				5.25	3.25
				4.75	3.00
				4.75	3.00
				4.50	3.00
				3.00	2.00
				4.75	3.00
				3.00	2.00

				LOADING		LOAD & CARRY	
				FRONT	REAR	FRONT	REAR
				6.00	4.00	6.75	4.75
				6.25	4.25		
				6.25	4.25	8.00	6.00

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OE Pressure Recommendations for CATERPILLAR

Tyres for CATERPILLAR Rigid Dump Trucks



TYRE RATING

	GP-2B 100 (E2)	RL-3+ 125 (E3+)	GP-4B 150 (E4)	RL-4B 150 (E4)
Abrasion and Cut Resistance	7	7	7	7
Heat Resistance	8	8	7	7
Traction	6	7	6	7
Stability	8	8	8	8
Self Cleaning	8	7	8	7
Longevity	6	7	7	8
Comfort	8	8	8	7

MODELS

DIMENSION

MODELS	DIMENSION				
769D	18.00 R 33				
770G	18.00 R 33				
772G	21.00 R 33				
773G	24.00 R 35				
775G	24.00 R 35				
777G	27.00 R 49				

RL-4 / RL-4H 150 (E4)	RL-4J 150 (E4)	RT-4A / RT-4A+ 150 (E4) / 170 (E4+)	RM-4A+ 170 (E4+)
			
9	9	8	9
7	7	8	8
7	6	8	6
8	8	8	8
7	7	8	7
8	8	9	8
8	8	8	9

INFLATION
RECOMMENDATION
(Bar)

			FRONT	REAR
		RT-4A	8.00	8.00
		RT-4A	8.50	8.00
			7.50	7.50
		RT-4A+	7.00	7.00
		RT-4A+	7.50	7.50
		RT-4A+	7.50	7.50

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OE Pressure Recommendations for CATERPILLAR

Tyres for CATERPILLAR Articulated Dump Trucks



TL-3A+ 125 (L3+)		GP-4D 150 (L4)	
			
6		7	
9		8	
10		8	
8		8	
9		7	
7		8	
9		8	

TYRE RATING

Abrasion and Cut Resistance

Heat Resistance

Traction

Stability

Self Cleaning

Longevity

Comfort

INFLATION
RECOMMENDATION
(Bar)

MODELS	DIMENSION			FRONT	REAR
725C	23.5 R 25			3.50	3.75
730C	23.5 R 25			4.00	4.50
730C Ejector	750/65 R 25			3.00	4.00
735C	26.5 R 25			4.50	4.25
	775/65 R 29			3.75	3.50
740C	29.5 R 25			4.00	3.75
	875/65 R 29			3.25	3.25
740C Ejector	29.5 R 25			3.50	4.50
	875/65 R 29			3.00	3.75
745C	29.5 R 25			4.00	4.00
	875/65 R 29			3.5	3.25



Application Map

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OE Pressure Recommendations for BELL

Tyres for BELL Articulated Dump Trucks



TYRE RATING

	TL-3A+ 125 (L3+)	GP- 4D 150 (L4)
Abrasion and Cut Resistance	6	7
Heat Resistance	9	8
Traction	10	8
Stability	8	8
Self Cleaning	9	7
Longevity	7	8
Comfort	9	8

INFLATION RECOMMENDATION (Bar)

MODELS	DIMENSION		FRONT	MIDDLE	REAR
B20E	18t 20.5 R 25		2.75	4.00	3.75
	19.8t 20.5 R 25		2.75	4.25	4.00
B25E	23.5 R 25		2.75	4.25	4.25
	750/65 R 25		2.25	3.25	3.25
B25E 6x4 Supertruck	20.5 R 25		3.75	5.00	5.00
B30E	750/65 R 25		2.50	4.00	4.00
B35E	26.5 R 25		4.25	4.75	4.75
B40E	29.5 R 25		3.50	4.25	4.25
	875/65 R 29		3.00	3.75	3.75
B45E	29.5 R 25		3.75	4.75	4.75
	875/65 R 29		3.25	4.00	4.00
B50E	29.5 R 25		3.75	5.00	5.00
	875/65 R 29		3.25	4.25	4.25

Application Map

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OE Pressure Recommendations for KOMATSU

Tyres for KOMATSU Wheel Loaders



TYRE RATING

	GP-3D 115 (L3)	RT-3B 115 (L3)	TL-3A+ 125 (L3+)	GP-4D 150 (L4)
Abrasion and Cut Resistance	7	7	6	7
Heat Resistance	8	8	9	8
Traction	8	8	10	8
Stability	8	8	8	8
Self Cleaning	7	7	9	7
Longevity	6	6	7	8
Comfort	8	8	9	8

MODELS

DIMENSION

WA200PZ-6	17.5 R 25				
	20.5 R 25				
WA200-7	17.5 R 25				
	20.5 R 25				
WA250PZ-6	20.5 R 25				
WA270-7	20.5 R 25				
WA320-6 / PZ-6	20.5 R 25				
	650/65 R 25				
WA320-7	20.5 R 25				
	650/65 R 25				
WA380-7	20.5 R 25				
	23.5 R 25				
	650/65 R 25				
WA430-6	23.5 R 25				
WA470-7	26.5 R 25				
	775/65 R 29				
WA480-6 (LC)	26.5 R 25				
	775/65 R 29				
WA500-7	29.5 R 25				
	875/65 R 29				
WA600-6	875/65 R 33				



RL-4K 150 (L4)	RL-5K 250 (L5)	RT-5D 250 (L5)
		
8	9	9
7	5	7
4	5	9
9	9	9
5	5	8
8	10	9
7	8	8

INFLATION
RECOMMENDATION
(Bar)

			FRONT	REAR
			4.50	2.25
			3.00	2.00
			4.50	2.25
			3.00	2.00
			3.50	2.00
			3.50	2.00
			4.25	2.25
			3.50	2.00
			4.25	2.25
			3.50	2.00
			5.00	2.50
			3.75	2.00
			4.00	2.50
			4.25	2.50
			4.00	2.00
			3.50	2.00
			3.75	2.50
			3.50	2.00
			4.75	3.50
			4.00	2.50
			7.00	5.50

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OE Pressure Recommendations for KOMATSU

Tyres for KOMATSU Rigid Dump Trucks



TYRE RATING

	RL-3+ 125 (E3+)	GP-4B 150 (E4)	RL-4A / RL-4H 150 (E4)
Abrasion and Cut Resistance	7	7	9
Heat Resistance	8	7	7
Traction	7	6	7
Stability	8	8	8
Self Cleaning	7	8	7
Longevity	7	7	8
Comfort	8	8	8

MODELS DIMENSION

MODELS	DIMENSION			
HD325 - 7	18.00 R 33			
HD405 - 7	18.00 R 33			
HD465 - 7	24.00 R 35			
HD605 - 7	24.00 R 35			
HD785 - 7	27.00 R 49			

Tyres for KOMATSU Articulated Dump Trucks



TYRE RATING

	TL-3A+ 125 (L3+)	GP-4D 150 (L4)
Abrasion and Cut Resistance	6	7
Heat Resistance	9	8
Traction	10	8
Stability	8	8
Self Cleaning	9	7
Longevity	7	8
Comfort	9	8

MODELS DIMENSION

MODELS	DIMENSION			
HM 300 - 3	23.5 R 25			
HM 300 - 5	23.5 R 25			
HM 350 - 2	26.5 R 25			
HM 400 - 3	29.5 R 25			
HM 400 - 5	29.5 R 25			

INFLATION RECOMMENDATION (Bar)

	FRONT	MIDDLE	REAR
HM 300 - 3	3.75	4.75	4.75
HM 300 - 5	4.00	4.75	4.75
HM 350 - 2	4.00	4.25	4.25
HM 400 - 3	3.75	5.00	5.00
HM 400 - 5	4.00	5.00	5.00

RL-4J 150 (E4)	RT-4A / RT-4A+ 150 (E4) / 170 (E4+)	RM-4A+ 170 (E4+)
		
9	8	9
7	8	8
6	8	6
8	8	8
7	8	7
8	9	8
8	8	9

		INFLATION RECOMMENDATION (Bar)	
		FRONT	REAR
	RT-4A	8.00	8.00
	RT-4A	8.50	8.50
	RT-4A+	6.00	6.00
	RT-4A+	6.75	6.75
	RT-4A+	6.75	6.75

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OE Pressure Recommendations for LIEBHERR

Tyres for LIEBHERR Wheel Loaders



	GP-3D 115 (L3)	RT-3B 115 (L3)
Abrasion and Cut Resistance	7	7
Heat Resistance	8	8
Traction	8	8
Stability	8	8
Self Cleaning	7	7
Longevity	6	6
Comfort	7	8

TYRE RATING

Abrasion and Cut Resistance

Heat Resistance

Traction

Stability

Self Cleaning

Longevity

Comfort

INFLATION RECOMMENDATION (Bar)

MODELS	DIMENSION		FRONT	REAR
L 514 Stereo	17.5 R 25		3.75	2.00
L 524	17.5 R 25		3.50	2.25
	550/65 R 25		3.00	2.00
L 528	17.5 R 25		4.25	2.50
	550/65 R 25		3.75	2.00
L 538	20.5 R 25		3.75	2.00
	550/65 R 25		4.75	2.50
	600/65 R 25		3.50	2.00
	650/65 R 25		3.00	2.00
L 542	20.5 R 25		3.75	2.00
	550/65 R 25		4.75	2.50
	600/65 R 25		3.75	2.00
	650/65 R 25		3.25	2.00
L 550	20.5 R 25		5.00	2.50
	23.5 R 25		3.75	2.00
	650/65 R 25		4.50	2.00
L 556	23.5 R 25		4.00	2.50
	650/65 R 25		4.50	3.00
L 556 IND / HDB	23.5 R 25		4.25	2.50
L 556 IND Log Grapple	23.5 R 25		5.00	3.00
L 566	750/65 R 25		4.00	2.50
L 576	26.5 R 25		4.50	2.50
	750/65 R 25		4.25	2.25
L 580	26.5 R 25		5.00	2.50
	750/65 R 25		4.25	2.25
L 580	26.5 R 25		6.50	4.50
L 586	29.5 R 25		5.25	3.50

HDB = High Dump Bucket



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

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OE Pressure Recommendations for LIEBHERR

Tyres for LIEBHERR Wheel Loaders



TYRE RATING

	TL-3A+ 125 (L3+)	GP-4D 150 (L4)	RL-4 150 (L4)
Abrasion and Cut Resistance	6	7	
Heat Resistance	9	8	
Traction	10	8	4
Stability	8	8	
Self Cleaning	9	7	5
Longevity	7	8	
Comfort	9	8	

MODELS	DIMENSION			
L 514 Stereo	17.5 R 25			
L 524	17.5 R 25			
L 528	17.5 R 25			
L 538	20.5 R 25			
L 542	17.5 R 25			
	20.5 R 25			
L 550	20.5 R 25			
	23.5 R 25			
	750/65 R 25			
L 556	23.5 R 25			
	750/65 R 25			
L 556 IND / High Dump Bucket	23.5 R 25			
	750/65 R 25			
L 556 IND Log Grapple	23.5 R 25			
	750/65 R 25			
L 566	23.5 R 25			
	26.5 R 25			
	750/65 R 25			
	775/65 R 29			
L 576	26.5 R 25			
	750/65 R 25			
	775/65 R 29			
L 580	26.5 R 25			
	750/65 R 25			
	775/65 R 29			
L 580	26.5 R 25			
L 580 LogHandler	775/65 R 29			
L 586	29.5 R 25			
	875/65 R 29			
L 586 LCE	29.5 R 25			



RL-4K 50 (L4)	RL-5K 250 (L5)	RT-5D 250 (L5)
		
8	9	9
7	5	7
	5	9
9	9	9
	5	8
8	10	9
7	8	8

INFLATION
RECOMMENDATION
(Bar)

			FRONT	REAR
			3.75	2.00
			3.50	2.25
			4.25	2.50
			3.75	2.00
			5.00	3.00
			3.75	2.00
			5.00	2.50
			3.75	2.00
			3.00	2.00
			4.00	2.50
			3.25	2.25
			4.25	2.50
			3.25	2.25
			5.00	3.00
			4.00	2.50
			5.75	3.00
			4.50	2.50
			4.00	2.50
			3.75	2.00
			4.50	2.50
			4.25	2.25
			4.00	2.50
			5.00	2.50
			4.25	2.25
			4.00	2.00
			6.50	4.50
			7.50	5.50
			5.25	3.50
			4.50	2.50
			6.00	4.00

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OE Pressure Recommendations for DOOSAN

Tyres for DOOSAN Articulated Dump Trucks



TL-3A+
125 (E3+)



GP-4D
150 (E4)



TYRE RATING

Abrasion and Cut Resistance	6		7	
Heat Resistance	9		8	
Traction	10		8	
Stability	8		8	
Self Cleaning	9		7	
Longevity	7		8	
Comfort	9		8	

INFLATION RECOMMENDATION (Bar)

MODELS	DIMENSION			FRONT	REAR
DA30	750/65 R 25			3.25	3.50
	23.5 R 25			4.00	4.50
DA40	29.5 R 25			3.75	4.75
	875/65 R 29			2.75	3.25



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OE Pressure Recommendations for DOOSAN

Tyres for DOOSAN Wheel Loaders



TYRE RATING

	RT-3B 115 (L3)	TL-3A+ 125 (L3+)	GP-4D 150 (L4)
Abrasion and Cut Resistance	7	6	7
Heat Resistance	8	9	8
Traction	8	10	8
Stability	8	8	8
Self Cleaning	7	9	7
Longevity	6	7	8
Comfort	8	9	8

MODELS

DIMENSION

MODELS	DIMENSION			
DL200-5	17.5 R 25			
	20.5 R 25			
DL220-5	20.5 R 25			
DL250-5	20.5 R 25			
DL300-5	23.5 R 25			
DL350-5	23.5 R 25			
DL420-5	26.5 R 25			
DL450-5	26.5 R 25			
DL550-5	29.5 R 25			



RL-4K 150 (L4)	RL-5K 250 (L5)	RT-5D 250 (L5)
		
Abrasion, Recycling, Protection, Increased Tread Life	Abrasion, Recycling, Protection, Increased Tread Life	Exceptional Traction, Increased Sidewall Protection
8	9	9
7	5	7
4	5	9
9	9	9
5	5	8
8	10	9
7	8	8

INFLATION
RECOMMENDATION
(Bar)

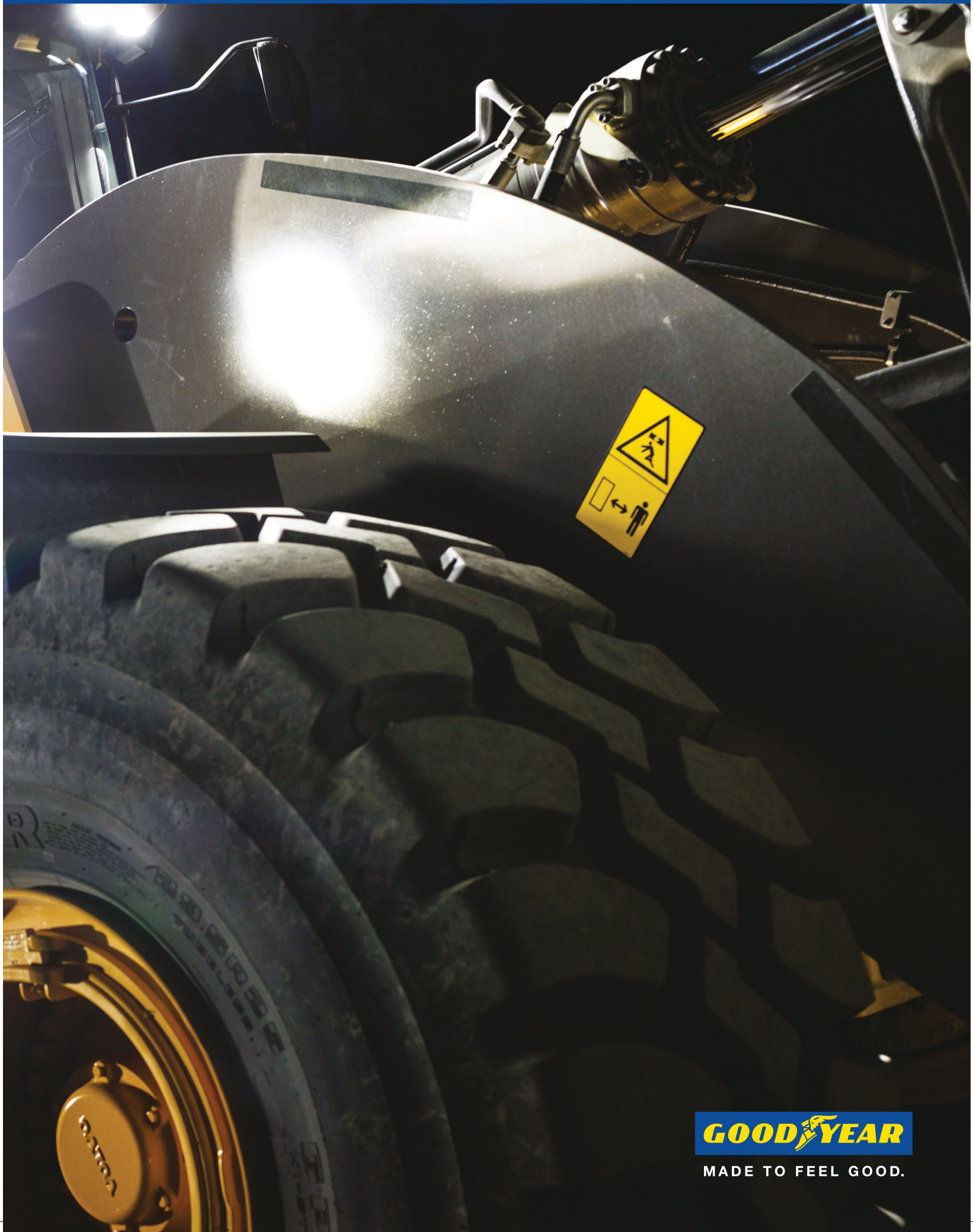
			FRONT	REAR
			5.00	3.50
			3.50	2.00
			4.00	2.50
			4.25	2.75
			4.50	3.00
			4.75	3.25
			4.50	3.00
			5.00	3.50
			5.25	3.75

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General Information



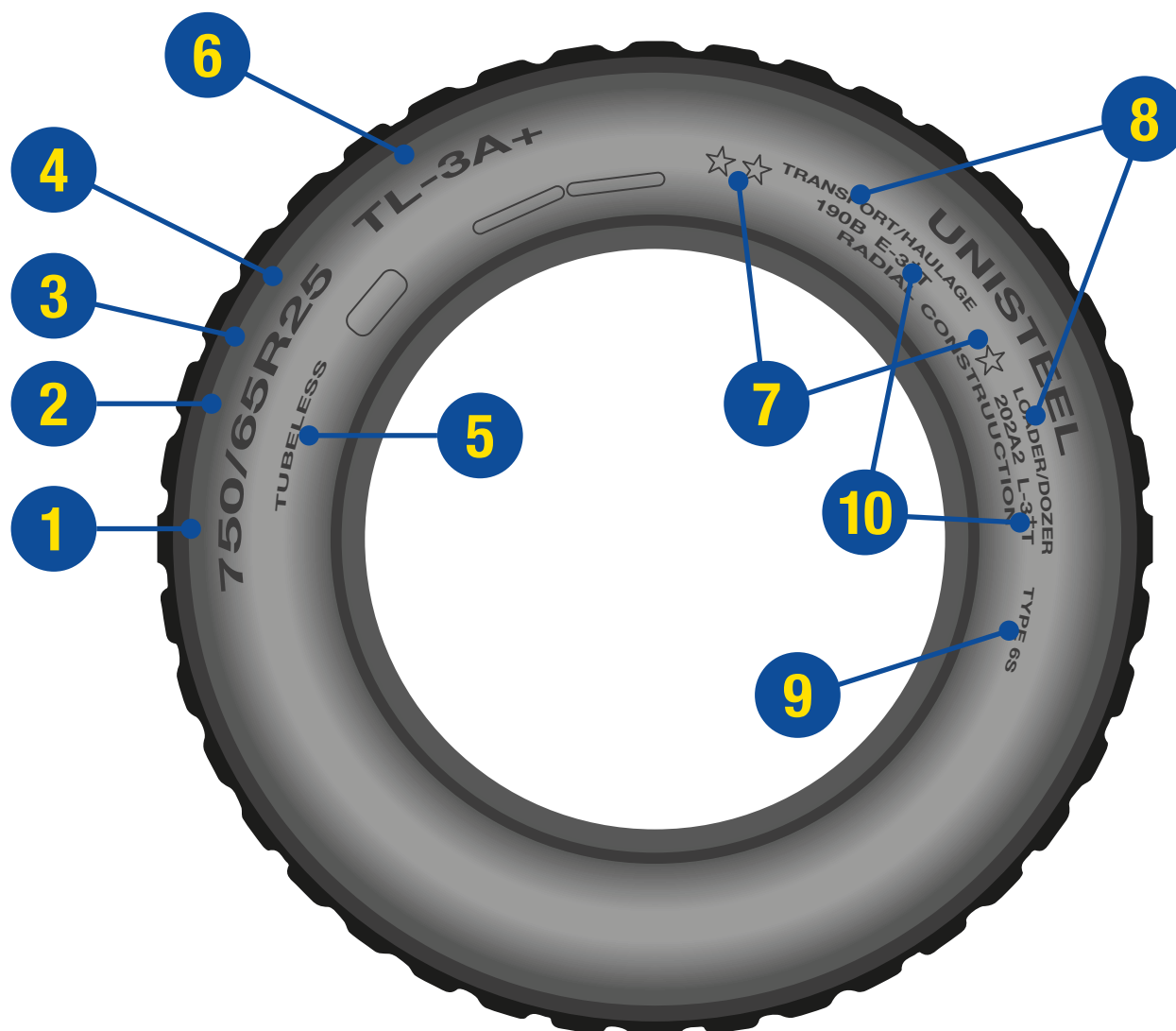


GOODYEAR

MADE TO FEEL GOOD.

General Information

Tyre Markings - Radial



1 Tyre section width

2 Aspect ratio

3 Construction (R = radial)

4 Rim diameter

5 Tubeless

6 GOODYEAR tyre naming

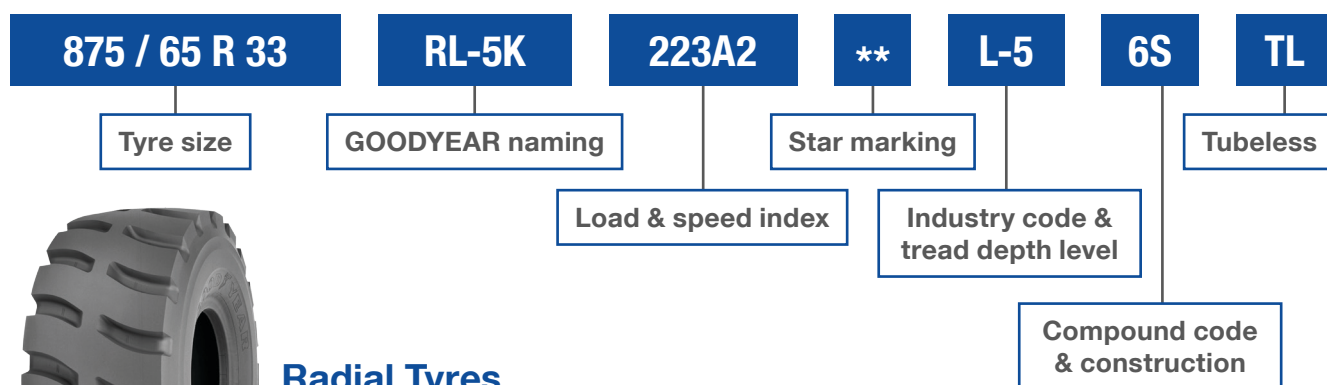
7 Star marking

8 Load & speed indexes (LSI)

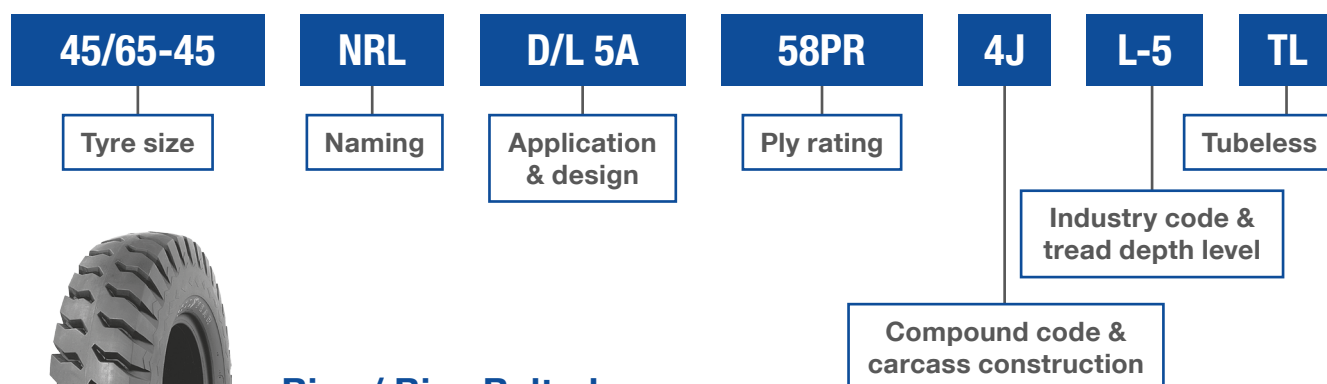
9 Customized compound code
& carcass construction

10 Industry code (TRA)

Tyre Designation



Radial Tyres



Bias / Bias Belted

Goodyear Tyre Namings

Example: RT-5D					
RT		5		D	
Tread type		Tread depth (TRA standards)		Tread design series	
Most Popular Tread Types					
RT	GP	TL	RL	EV / ELV	RM
Rock Traction	General Purpose	Traction Lug	Rock Lug	Elevator (EL = Radial / ELV = Bias)	Rock Mud

S namings (ex: **EV-4S**) define 'Smooth' tread designs.

+ symbols (ex: **EV-3+**) signal a deeper tread depth (+25% versus standard).

Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

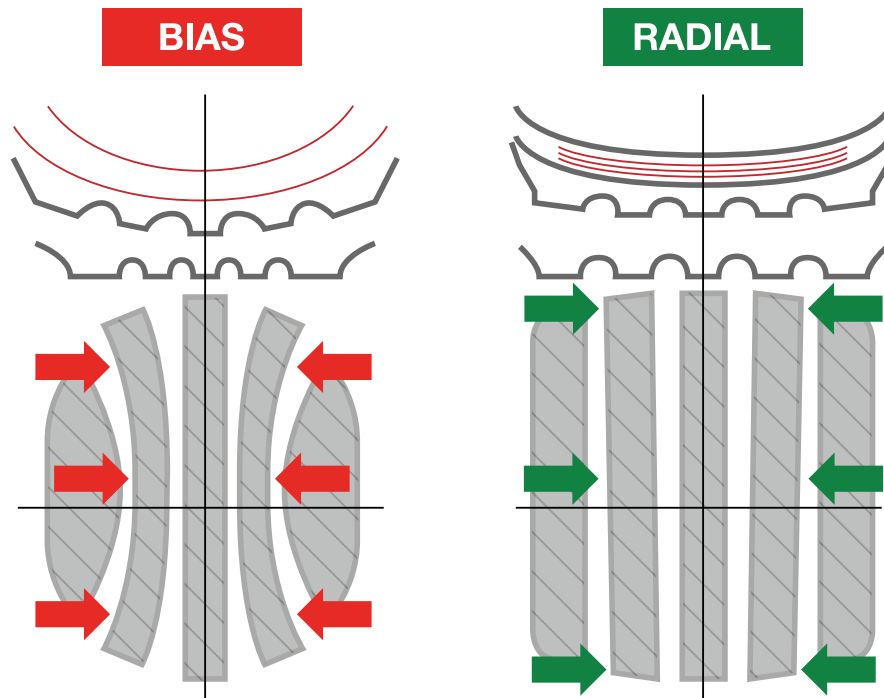
Port & Industrial

OE Pressure Recommendations

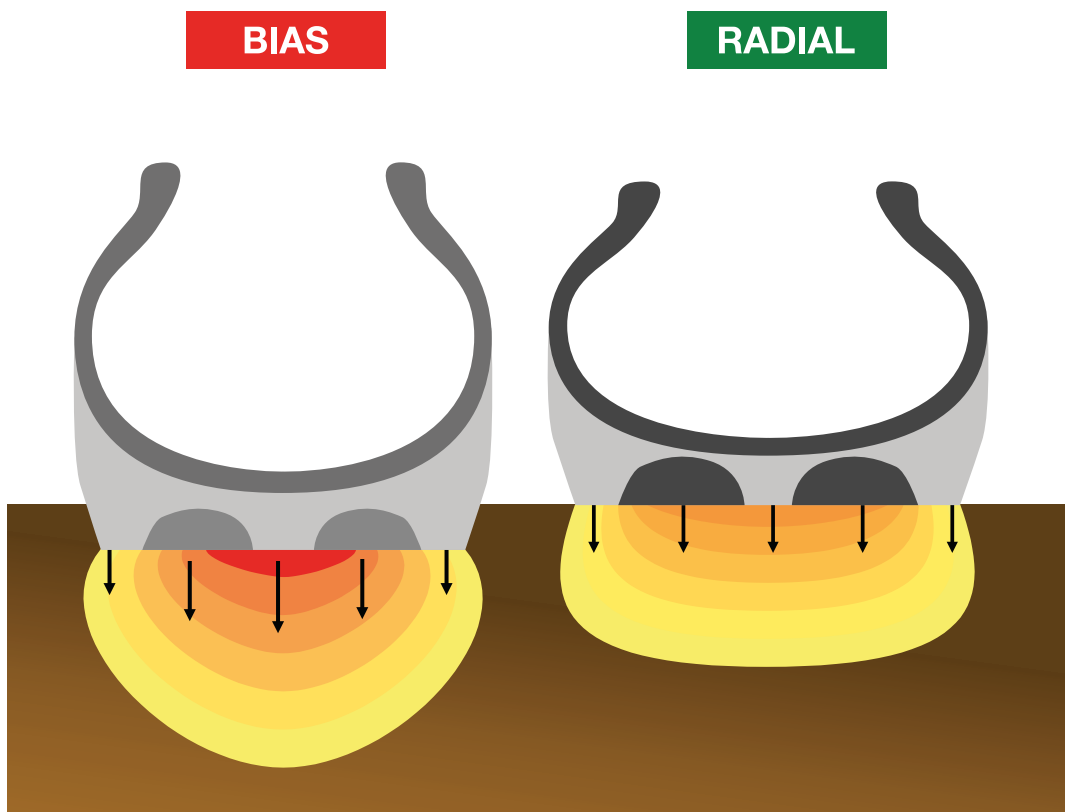
General Information

General Information

Radial & Bias: Different Footprints



Radial & Bias: Different Flotation & Soil Compaction



Hi-Stability Technology



GOODYEAR produces many tyres built with the HI-STABILITY technology.

A reinforced casing allows to carry up to 25% more load than a non Hi-Stability tyre, in the same conditions.

Dedicated mainly to highly severe applications on loaders.



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

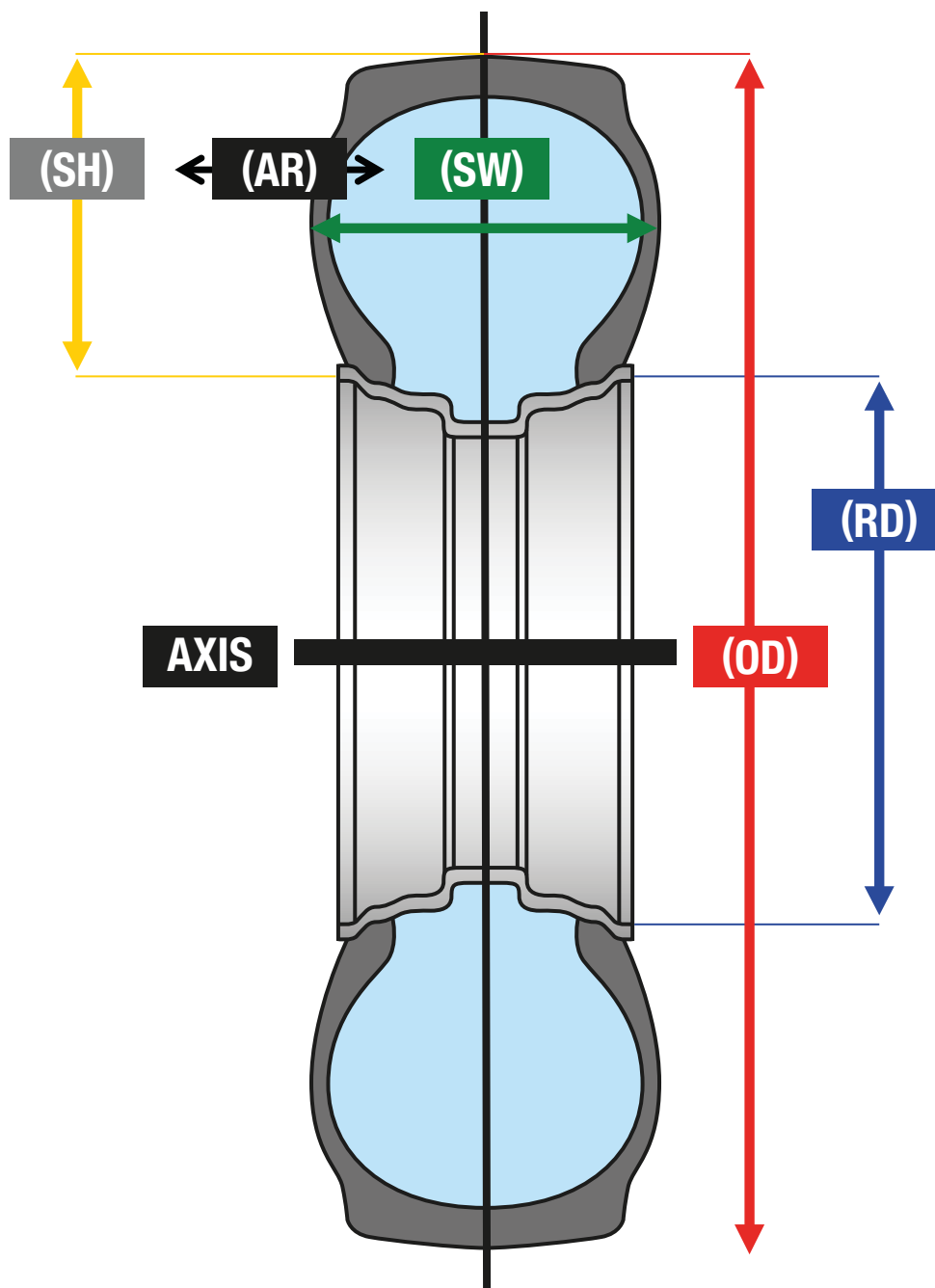
Port & Industrial

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General Information

Tyre Size (Metric): 875/65 R 33



875 : Section Width (SW)

(here in mm / can be in inches)

The width of the inflated new tyre section, excluding any protective scuff ribs, lettering or decoration

65 : Aspect Ratio (AR) in %

Ratio of section height (SH) / section width (SW)

33 : Rim Diameter (RD) in Inches

Measured on the bead seats

Load Index Table

Index	Load (Kg)	Index	Load (Kg)	Index	Load (Kg)	Index	Load (Kg)
166	5300	181	8250	196	12500	211	19500
167	5450	182	850	197	12850	212	20000
168	5600	183	8750	198	13200	213	20600
169	5800	184	9000	199	13600	214	21200
170	6000	185	9250	200	14000	215	21800
171	6150	186	9500	201	14500	216	22400
172	6300	187	9750	202	15000	217	23000
173	6500	188	10000	203	15500	218	23600
174	6700	189	10300	204	16000	219	24300
175	6900	190	10600	205	16500	220	25000
176	7100	191	10900	206	17000	221	25750
177	7300	192	11200	207	17500	222	26500
178	7500	193	11500	208	18000	223	27250
179	7750	194	11800	209	18500	224	28000
180	8000	195	12150	210	19000	225	29000

Speed Index Table

Speed	Km/h
A1	5
A2	10
A3	15
A4	20
A5	25
A6	30
A7	35
A8	40
B	50
C	60
D	65
E	70
F	80
G	90
J	100
K	110
L	120
M	130
N	140

■ to 50 km/h (30mph)

■ Mobile cranes

Pressure Conversion Table

KPA	Bar	lbs/in ² * (p.s.i.)	kg/cm ² *
100	1	15	1.0
150	1.5	22	1.5
200	2.0	29	2.0
250	2.5	39	2.6
300	3.0	44	3.1
350	3.5	51	3.6
400	4.0	58	4.1
450	4.5	65	4.6
500	5.0	73	5.1
550	5.5	80	5.6
600	6.0	87	6.1
650	6.5	94	6.6
700	7.0	102	7.1
750	7.5	109	7.7
800	8.0	116	8.2
850	8.5	123	8.7
900	9.0	131	9.2
950	9.5	138	9.7
1000	10.5	145	10.2
1050	10.5	152	10.7

Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

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Industry Codes (TRA Standards)

The tyre industry has adopted a code identification system to be used for off-the-road tyres, regardless of the manufacturer.

This identification system reduce the confusion caused by the trade names for each type of tyre offered by each tyre manufacturer.

The industry code identification is divided into five main categories (for OTR tyres) by types of service.

C

COMPACTOR

Compacting and rolling machines / speed reference for the pressure calculation is 10 km/h (SI=A2)

L

LOADER & DOZER

Loader & dozer machines – load & carry / speed reference for the pressure calculation is 10 km/h (SI=A2)

G

GRADER

Surface levelling machines – road maintenance & cleaning / speed reference for the pressure calculation is 40 km/h (SI=A8)

E

EARTHMOVER

Construction equipment / truck & machines loading / speed reference for the pressure calculation is 50 km/h (SI=B)

H

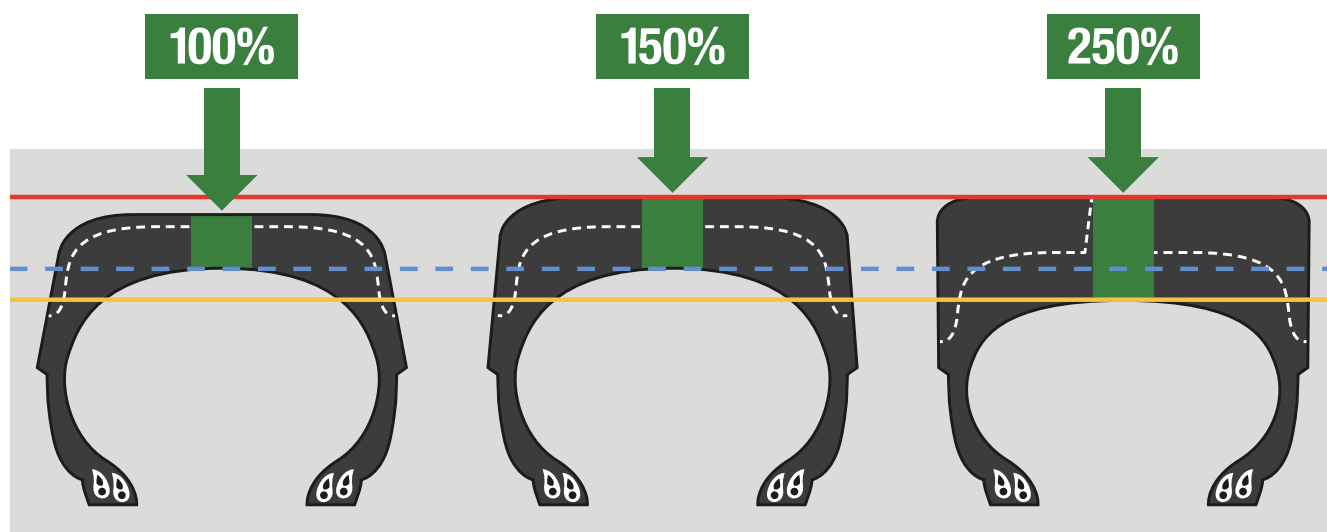
HIGHWAY

Mobile cranes
Speed reference for the pressure calculation is 70 km/h (SI=E)

Source: Tire and Rim Association. www.us-tra.org

Tread Thicknesses (TRA Standards)

	Name known as:	Previously known as:
2	TRACTION REGULAR TREAD Tread depth level = 100	« TRACTION »
3	REGULAR TREAD Tread depth level = 100-130	« ROCK »
4	DEEP TREAD Tread depth level = 150	« ROCK DEEP TREAD »
5	EXTRA DEEP TREAD Tread depth level = 250	« ROCK EXTRA DEEP TREAD »



2 Traction Regular Tread

4 Deep Tread

5 Extra Deep Tread

3 Rock Regular Tread

Source: Tire and Rim Association. www.us-tra.org

Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

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Star Marking vs. Ply Rating Comparison

Size	Star Rating	Ply Rating
12.00 R 24	***	30
13.00 R 24	**	26
14.00 R 24	***	32
16.00 R 25	**	32
18.00 R 25	**	36
18.00 R 33	**	38
21.00 R 33	**	44
21.00 R 35	**	44
24.00 R 35	**	48
24.00 R 49	**	48
27.00 R 49	**	54
30.00 R 51	**	60
33.00 R 51	**	66
36.00 R 51	**	70
37.00 R 57	**	78
40.00 R 57	**	80

Size	Star Rating	Ply Rating
17.5 R 25	*	16
	**	24
20.5 R 25	*	16
	**	28
25/65 R 25	**	32
23.5 R 25	*	20
	**	30
26.5 R 25	*	24
	**	34
29.5 R 25	*	26
	**	38
30/65 R 25	**	34
29.5 R 29	**	38
33.25 R 29	**	46
33.25 R 35	**	46
37.25 R 35	**	48

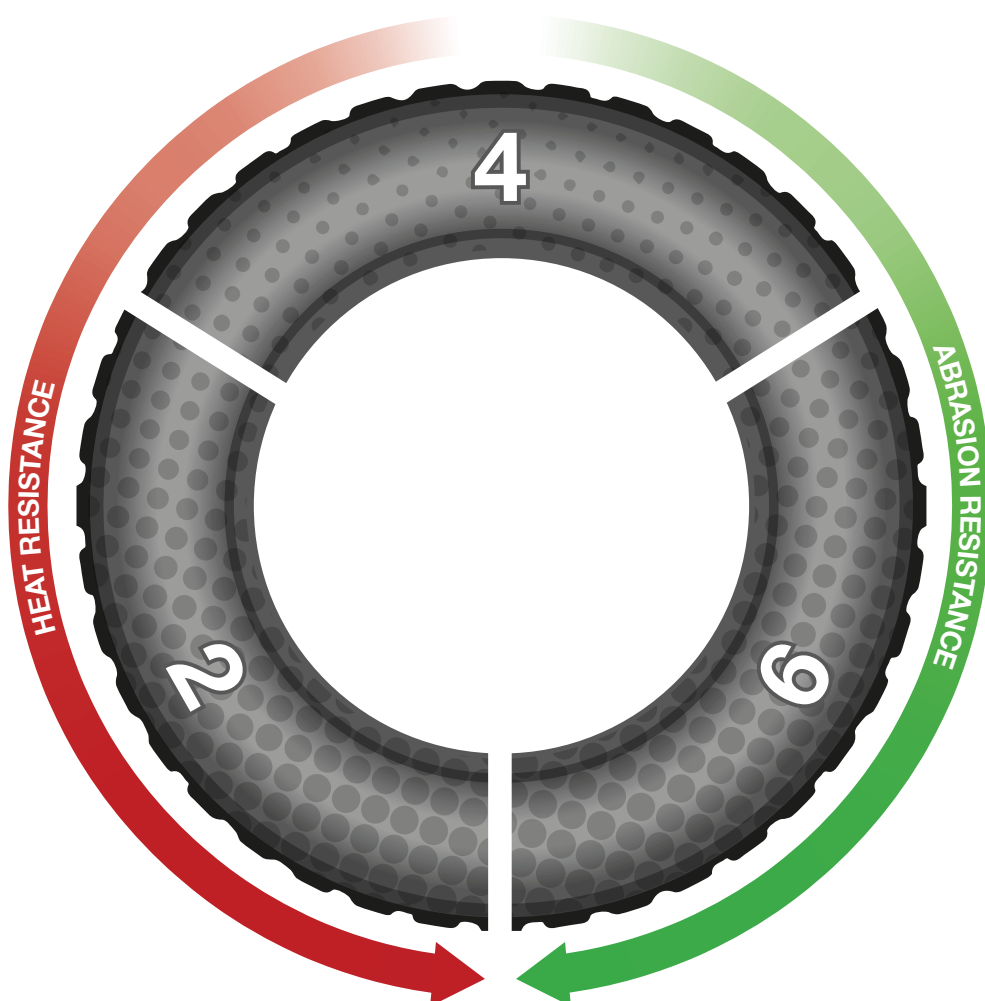
Goodyear Carcass Construction Codes

Code	Casing Construction
S	Standard Construction
H	Heavy Duty
HR	Heavy High Speed
HW	Extra Heavy Duty
J	Bias with Steel Breakers
U	Heavy Undertread



Goodyear Compound Codes

875/65R33 RL-5K 223A2 L5 ** **4S** TL



Some tyres are available with 2 or even 3 different customised compounds.

Example:

24.00 R 35 RL-4J 209B ** E4 **2H** TL

24.00 R 35 RL-4J 209B ** E4 **4H** TL

24.00 R 35 RL-4J 209B ** E4 **6H** TL

Consult your Goodyear representative for additional information before making a compound choice.

Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

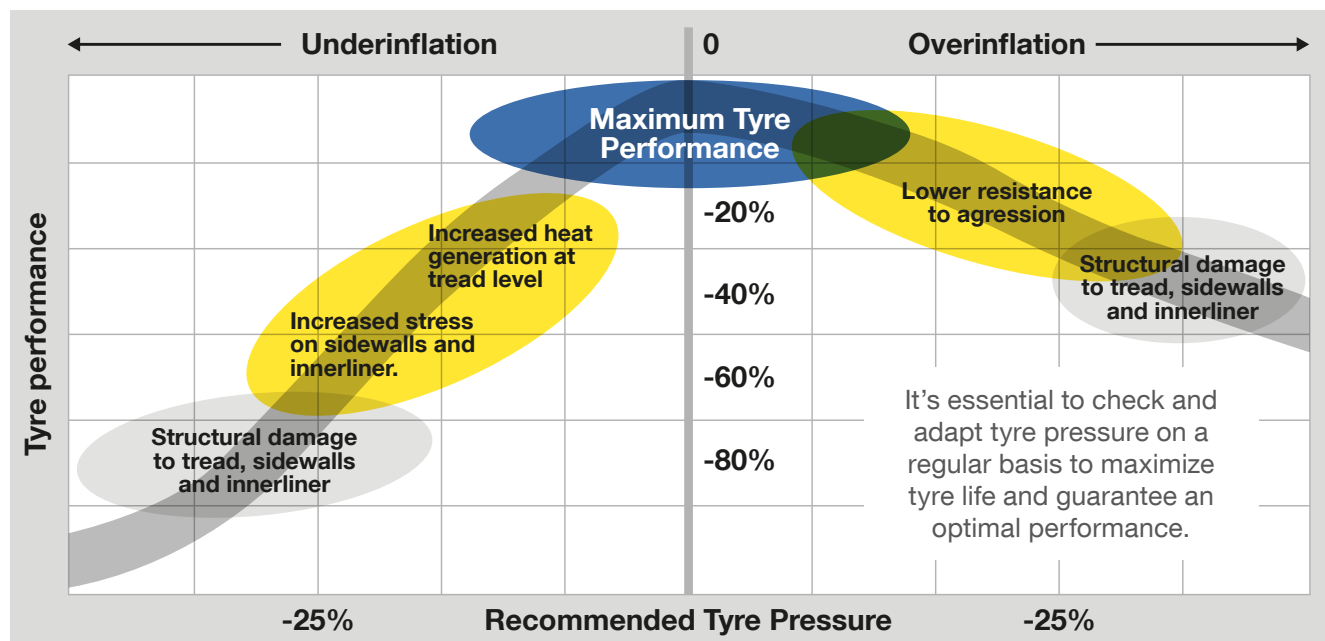
Port & Industrial

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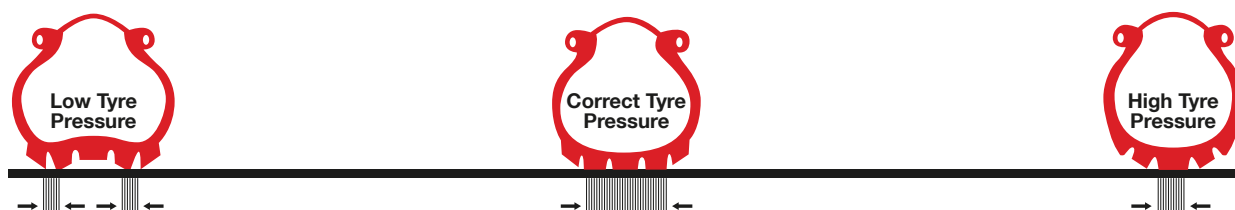
General Information

General Information

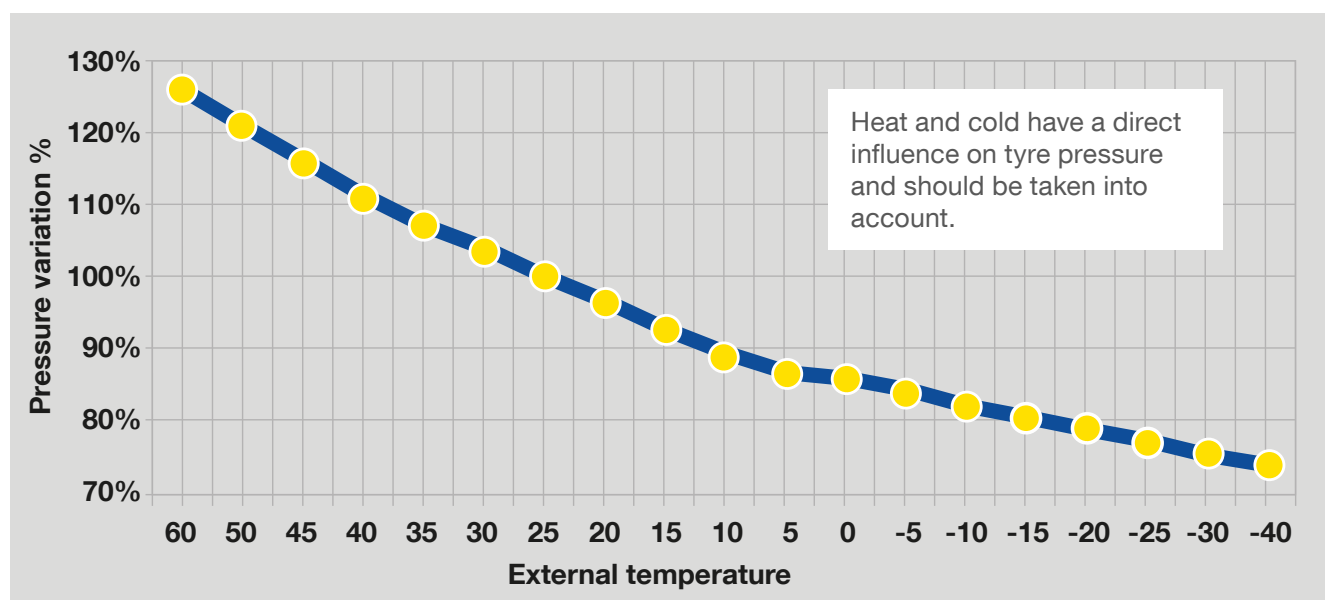
Influence of Pressure on Tyre Wear



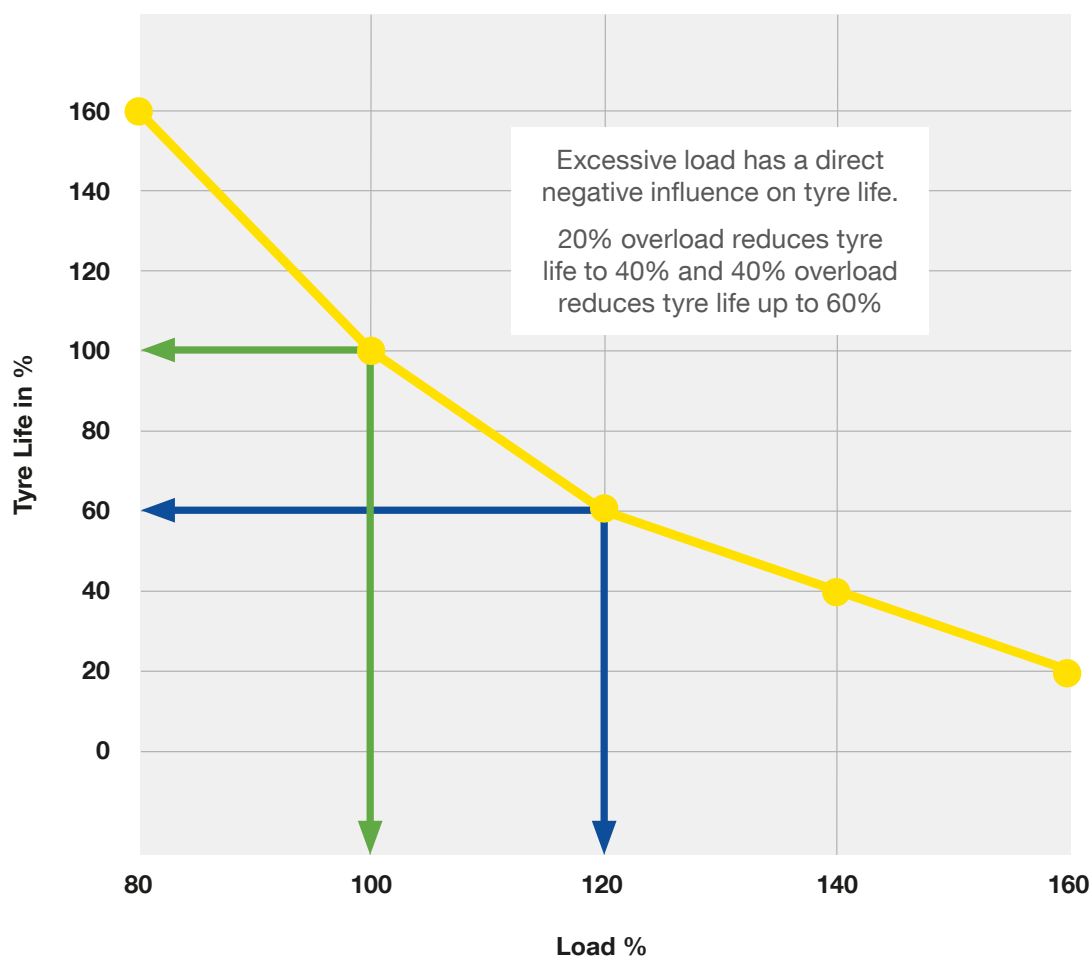
Reduced tyre performance due to insufficient or excessive pressure (%) and associated risks.



Influence of Temperature on Tyre Pressure



Influence of Excessive Load on Tyre Life



Application Map

Rigid Dump Truck

Articulated Dump Truck

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Tyre Technology - Selecting the Right Tyre

Ton Kilometre Per Hour (TKPH)

Tyres on OTR vehicles generate and build-up heat. The TKPH formula (average tyre load multiplied by average tyre speed), calculates the rate of work tyres can perform and stay within a safe temperature range under correct deflected (load/inflation) conditions.

$$\text{TKPH Job Rate} = \frac{\text{Average Tyre Load (metric tons)} \times \text{Average Shift Speed (km/h)}}{2}$$

***Note:** Mines using computer dispatch systems must use Average Hourly Speed rather than Average Shift Speed.

$$\text{Average Tyre Load} = \frac{\text{Empty Tyre Load} + \text{Loaded Tyre Load}}{2}$$

Average Tyre Load must be obtained for tyres on each axle of a vehicle.

The Average Shift Speed is found by:

$$\frac{\text{RTD} \times \text{NTS}}{\text{HW}}$$

where **RTD** = Round Trip Distance in kilometres
NTS = Number of Trips Per Shift
HW = Number of Hours Worked

The number of hours worked is the actual number of vehicle operation hours. It is calculated from the time the vehicle first moves until the shift finishes.

The TKPH Job Rate must be known for each wheel position.

Tyre selection can then be based on:

- A size and ply rating which will not be overloaded
- A type or design with a TKPH rating equal to the job requirement

Sample TKPH Calculation:

Conditions:

- Empty vehicle tyre load = 9,000 kilograms (9.0 tons)
- Loaded vehicle tyre load = 15,000 kilograms (15.0 tons)
- Number of Hours Worked = 8.0 hours
- The shift hauls 15 loads
- Each haul is 14 kilometres, round trip

Average Tyre Load =

$$\frac{9 \text{ Tons} + 15 \text{ Tons}}{2} = 12 \text{ Tons}$$

Average Shift Speed =

$$\frac{14 \text{ Kilometres Trip} \times 15 \text{ Trips Shift}}{8.0 \text{ Hours Worked Per Shift}}$$

Average Shift Speed =

$$\frac{210 \text{ Kilometres}}{8.0 \text{ Hours}} = 26.25 \text{ km/h}$$

TKPH Job Rate =

$$12.0 \text{ Tons} \times 26.25 \text{ km/h} = 315 \text{ TKPH}$$

Conclusion:

To avoid heat problems tyres must have a TKPH rating of 315 or higher.

If the tyres on the machine are rated less than 315, one of the following corrective actions must be taken to prevent premature tyre failure:

- Reduce speed
- Reduce load
- Change to tyres with a higher TKPH rating
- Re-route the machine (where possible)

Note: Each tyre position on the machine must be calculated and considered. Position with highest average tyre load should be used.

Formula Limitation:

Tests have shown that the TKPH formula does not apply:

- When tyres are loaded 20% above their capacity
- On hauls of more than 32 kilometres

For haul lengths in excess of 32 kilometres one way, consult a Goodyear OTR representative.

For correct usage of the TKPH formula, the average speed must be based on total mileage covered from 'the start of the first shift to the end of the last shift'.

Note: The latest compound type ratings for use in the TKPH/WCF calculations are available from your local Goodyear OTR sales or service department.

The Work Capability Factor (WCF)

Goodyear dozer and loader tyres are designed for dig and load service. They are normally selected from the TRA 5 mph/10 km/h tables. Tyre heat build-up in this type of operation is not a factor.

New operational techniques, however, sometimes uses dozers and loaders as transport machines. When the haul distance exceeds 15 meters, the operation is termed 'load and carry'.

This type of service involves speeds above 10 km/h.

Longer hauls and rapid work cycles also are common.

Dozer and loader tyres are thicker and stronger than other OTR designs. Heat will build up faster in these designs.

Tyre heat build-up is a function of work the tyre is doing.

The Work Capability Factor (WCF) provides a way to select tyres that can handle the work under correct deflected (load/inflation) conditions.

The formula to determine a machine's WCF requirement focuses on its front wheels. These carry substantially more weight.

$$\text{WCF} = \frac{\text{Average Tyre Load (metric tons)} \times \text{Max. Average Speed (km/h)}}{2}$$

$$\text{Average Tyre Load} = \frac{\text{Empty Tyre Load} + \text{Loaded Tyre Load}}{2}$$

Tyre load data should be the actual loads, if possible. If these are not known, the manufacturer's specifications can be used.

$$\text{Max. Average Speed} = \frac{\text{Round Trip (KM)} \times \text{Maximum Cycles Per Hour}}{2}$$

Sample WCF Calculation:

Conditions:

- Empty vehicle tyre load = 14.0 metric tons
- Loaded vehicle tyre load = 28.0 metric tons
- Maximum cycles per hour = 35
- Each haul is 250 metres (.25 kilometres), round trip

Average Tyre Load =

$$\frac{14 \text{ Tons} + 28 \text{ Tons}}{2} = 21 \text{ Tons}$$

Max. Avg. Speed =

$$\frac{.25 \text{ Kilometres Trip} \times 35 \text{ Cycles}}{1} = 8.75 \text{ km/h}$$

$$\text{WCF} = 21.0 \text{ Tons} \times 8.75 \text{ km/h} = 183.75 = 184$$

Conclusion:

To avoid heat problems tyres must have a WCF of 184 or higher.

If the tyres on the machine are rated less than 184:

- Reduce speed
- Reduce load
- Change to tyres with a higher WCF

Formula Limitation:

Tests have shown that the WCF formula does not apply:

- When tyres are loaded more than 15% above their rated capacity
- On hauls of more than 600 meters

For haul lengths in excess of 600 meters one way, consult a Goodyear OTR representative.

For correct usage of the WCF formula, the average speed must be based on total mileage covered "in one hour of continuous operation".

Note: The latest compound type ratings for use in the TKPH/WCF calculations are available from your local Goodyear OTR sales or service department.

Application Map

Rigid Dump Truck

Articulated Dump Truck

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Port & Industrial

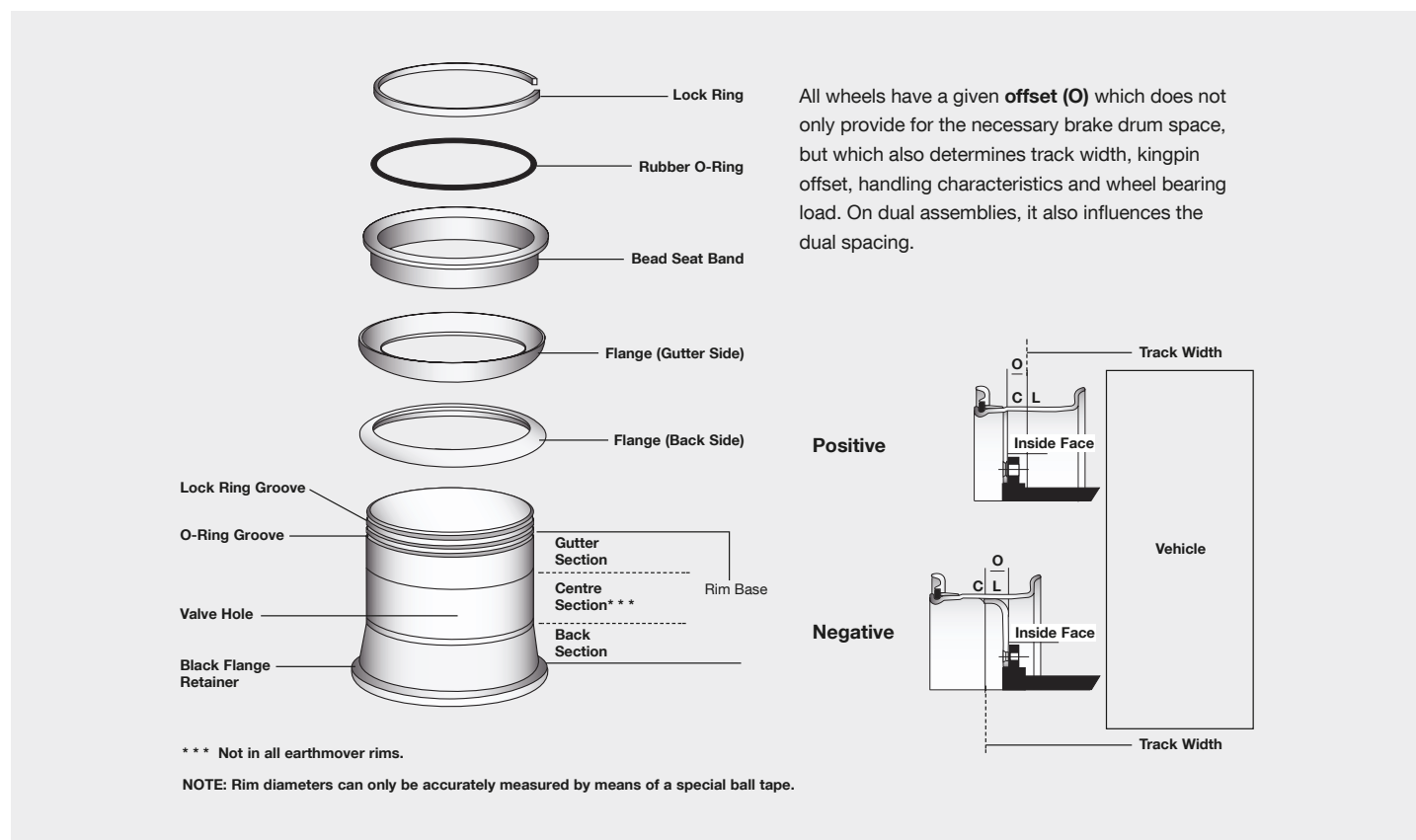
OE Pressure Recommendations

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General Information

Tyre Technology - Rims and Wheels

Nomenclature – Five Piece Rim Assembly (5°)



Tyre fitters and mechanics must therefore pay attention that:

- Specific vehicles are fitted with the correct offset wheels
- Wheels with different offsets are not mixed up on the same axle

Wheel offsets can be positive, negative or zero. The offset is defined as the distance from the wheel centre to the inside face of the disc (against the hub) and is called positive whenever this inside face is located outside of the centreline,

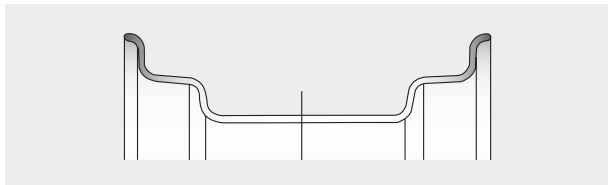
negative when located inside, zero when matching the centreline exactly.

For earthmover tyres, there are essentially 4 basic rim types available on the market (basically all 5° taper):

- One-piece tubeless drop centre rims
- Multi-piece tubeless semi-drop centre rims
- Multi-piece tubeless flat base rims
- multi-piece tube-type flat base rims

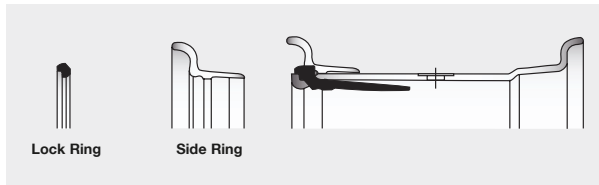
1-Piece Tubeless Drop Centre

(24", 25" ETC...) symmetric and asymmetric rims for construction machines and mobile cranes.



3-Piece Semi-Drop Centre Rims

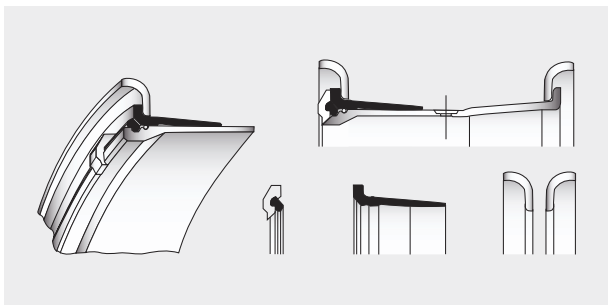
(Mainly 20", 24", 25") rims for tubeless TG (Tractor-Grader) and EM-wide base tyres as well as narrow base mobile crane applications.



5-Piece Tubeless Rims

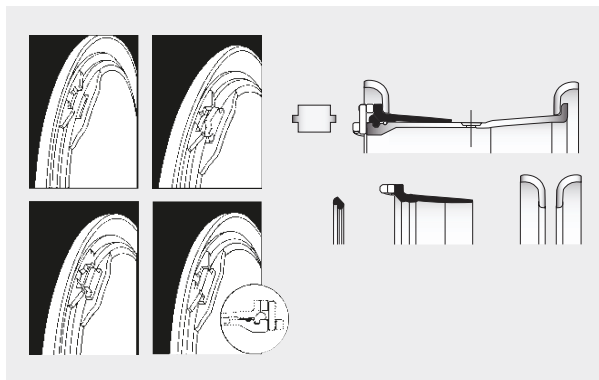
Small Driver

Rim for tubeless EM- and EM-wide base tyres with small driver.



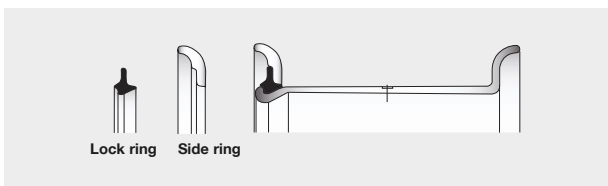
Large Driver

Rim for tubeless EM- and EM-wide base tyres with large driver.



3-Piece Tube-Type Rims

(Mainly 20", 24") rims for tube-type on-and-off-the-road applications.



Check your rims when you change your tyres...

Every experienced tyre user knows that the RIGHT tyre, used for the RIGHT job, can make a big difference in tyre life and operating efficiency.

The same thing is equally true of rims

If you make a tyre change to get MORE efficiency for a certain type of work - and fail to match the new tyres with the right rims -- you may actually LOSE efficiency...plus maintenance time and replacement money.

Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

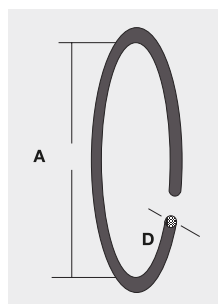
General Information

General Information

By Rim Type and Tyre Size

Rim Type	Rim Size	Tyre Size	O-Ring	Code
5° Taper Bead Seat Rims (3 Pieces)	25 - 10.00/1.5	14.00 R 25	OR 225	701197
	25 - 11.25/1.3	14.00 R 25		
	25 - 11.25/2.0 IF	14.00 R 25		
		16.00 R 25		
		445/95 R 25		
	25 - 12.00/1.3	15.5 R 25		
		395/80 R 25		
		385/95 R 25		
	25 - 13.00/2.5 IF	18.00 R 25		
		505/85 R 25		
		445/80 R 25		
	25 - 14.00/1.3	17.5 R 25		
		445/80 R 25		
		21.00 R 25		
	25 - 15.00/3.0 IF	20.5 R 25		
		550/65 R 25		
		20.5 R 25		
	25 - 17.00/1.7	525/80 R 25		
		550/65 R 25		
		23.5 R 25		
	25 - 17.00/2.0 IF	600/65 R 25		
		650/65 R 25		
		26.5 R 25		
	25 - 19.50/2.5 IF	650/65 R 25		
		750/65 R 25		
		29.5 R 25		

Rim Type	Rim Size	Tyre Size	O-Ring	Code
5° Taper Bead Seat Rims (5 Pieces)	25 - 11.25/2.0	14.00 R 25	OR 325	700127
		16.00 R 25		
		445/95 R 25		
	25 - 13.00/2.5	18.00 R 25		
		480/95 R 25		
	25 - 15.00/2.5	18.00 R 25		
	25 - 15.00/3.0	21.00 R 25		
	25 - 17.00/2.0	20.5 R 25		
		525/80 R 25		
		550/65 R 25		
	25 - 17.00/3.0	21.00 R 25		
	25 - 19.50/2.0	25/65 R 25		
	25 - 19.50/2.5	23.5 R 25		
		600/65 R 25		
		650/65 R 25		
		660/65 R 25		
	25 - 20.00/2.0	25/65 R 25		
	25 - 22.00/3.0	26.5 R 25		
		650/65 R 25		
		750/65 R 25		
	25 - 24.00/3.0	750/65 R 25		
	25 - 25.00/3.0	750/65 R 25		
	25 - 25.00/3.5	29.5 R 25		
	29 - 22.00/3.0	775/65 R 29	OR 329	700128
	29 - 24.00/3.0	775/65 R 29		
	29 - 24.00/3.5	29.5 R 29		
	29 - 25.00/3.5	29.5 R 29		



When mounting or remounting a tyre, only use new O-Rings.

Arctic 'O' Rings

Specifically compounded 'O' rings for sub-zero temperatures. Engineered to function and create seal at -65° Fahrenheit. 'O' rings are further identified with a green band around section circumference close to part number. Add 'A' to part number for Arctic 'O' ring (for example: OR335TA).

Rim Type	Rim Size	Tyre Size	O-Ring	Code
5° Taper Bead Seat Rims (5 Pieces)	29 - 27.00/3.0	875/65 R 29	OR 329	700128
	29 - 27.00/3.5	33.25 R 29		
	33 - 13.00/2.5	18.00 R 33	OR 333	700129
	33 - 15.00/3.0	21.00 R 33		
	33 - 28.00/4.0	33.5 R 33		
	33 - 28.00/3.5	875/65 R 33		
	35 - 15.00/3.0	21.00 R 35	OR 335	700154
	35 - 17.00/3.0	21.00 R 35		
	35 - 17.00/3.5	24.00 R 35		
	35 - 25.00/3.5	29.5 R 35		
	35 - 27.00/3.5	33.25 R 35		
	35 - 29.00/3.5	33.25 R 35		
		37.25 R 35		
	35 - 31.00/4.0	37.25 R 35		
	39 - 32.00/4.5	37.5 R 39	OR 339	700270
		40.5/75 R 39		
	39 - 32.00/4.0	40/65 R 39	OR 345	700271
	45 - 36.00/4.5	45/65 R 45		
	49 - 17.00/3.5	24.00 R 49	OR 349	700130
	49 - 19.50/4.0	27.00 R 49		
	51 - 22.00/4.5	30.00 R 51	OR 451	701199
	51 - 24.00/5.0	33.00 R 51		
	51 - 26.00/5.0	36.00 R 51		
	57 - 27.00/6.0	37.00 R 57		
	57 - 29.00/6.0	37.00 R 57	OR 457	
		40.00 R 57		
	57 - 32.00/5.0	40.00 R 57		
	57 - 32.00/6.0	40.00 R 57		
		50/80 R 57		
	57 - 32.00/6.5	50/90 R 57		
	57 - 42.00/5.0	55/80 R 57		
	57 - 44.00/5.0	55/80 R 57		
	57 - 47.00/5.0	60/80 R 57		
	63 - 36.00/5.0	53/80 R 63	OR 463	
	63 - 38.00/5.0	53/80 R 63		
	63 - 41.00/5.0	55/80 R 63		
		56/80 R 63		
	63 - 44.00/5.0	59/80 R 63		

Tyre Technology - Rims and Wheels

Tubes and Flaps

Only Use Radial Type Tubes and Flaps in Radial Tyres (see special marking on tubes or flaps).

Preferably fit a new tube and a new flap when mounting a new tyre.

Tubes

A tube too large will be liable to buckling, and to early failure.

A tube too small will be stretched excessively, leading to reduced rub resistance, and poorer air retention.

In an emergency, a small tube is better than a large tube, since the failure mode is less likely to be catastrophic.

In case of necessity, a tube may be reused, if,

- There is no apparent damage and
- If the tube has not grown excessively during the first life.

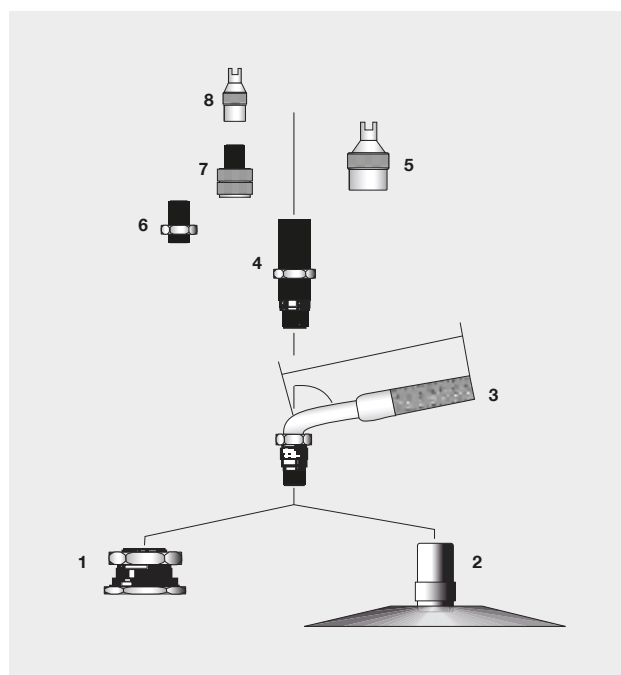
Flaps

The flap is designed to:

- Protect the tube from the roughness of the rim
- To prevent the tube being pinched by the component parts of multi-pieced rims
- To prevent the tube being pushed through the valve slot

As a rule we can say that flaps are necessary for any rim which has a valve slot as against a valve hole.

Note: The fitment of tubes to “tubeless” tyres is not recommended.



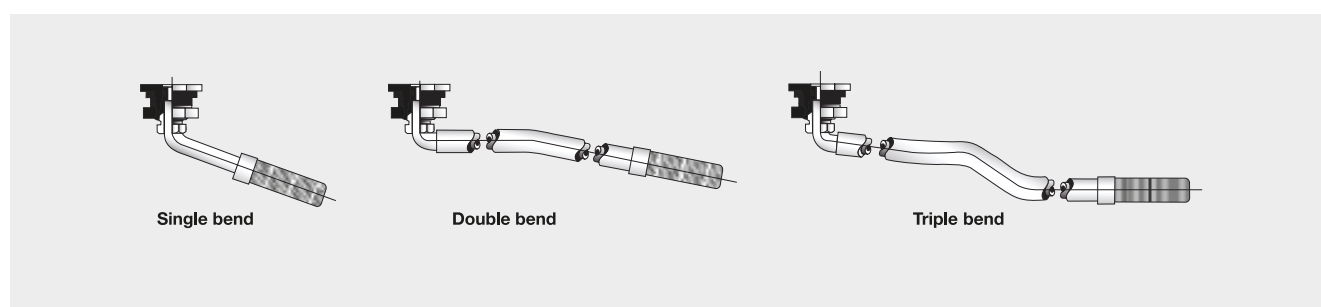
Tyre Technology - Valves

In the majority of Off-the-road tyre applications one piece screw on Metal Valves are used.

- 1 EM – Metal valve base for TL tyres
- 2 EM – Rubber valve base for tubes
- 3 EM – Valve stem bent 80°
- 4 EM – Valve stem straight
- 5 EM – Valve cap with stem remover
- 6 EM – Valve adaptor (fits on valve core threads)
- 7 EM – Valve adaptor (fits over valve cap threads)
- 8 EM – Small valve cap with stem remover

Valves for payloaders, compactors, MPT and implement tyre applications are either rubber or metal and may be straight or bent. Bent valves, normally of the swivel type,

are generally supplied with the required bent form, and may be single, double or triple bent.



General Information

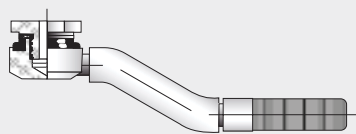
Large Bore and Super Large Bore Valves

The Large Bore and Super Bore valve systems are evolutions from the basic system of a standard bore. The Large Bore and Super Bore systems are of a heavier construction with enlarged chambers for greater flow rate characteristics to assure minimum down time and resistance to abuse.

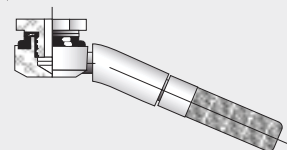
The Large Bore valve is able to pass up to THREE times the amount of air of a standard bore valve. Super Large Bore, with an even larger air chamber, passes up to SEVEN times more air than a Large Bore Valve. These valves are extensively used to reduce the cost of down time during inflation/deflation.

Turret Type Valves

Turret type valves may be required where there is insufficient clearance for the standard swivel valve, such as in wheels accommodating planetary drive gear.



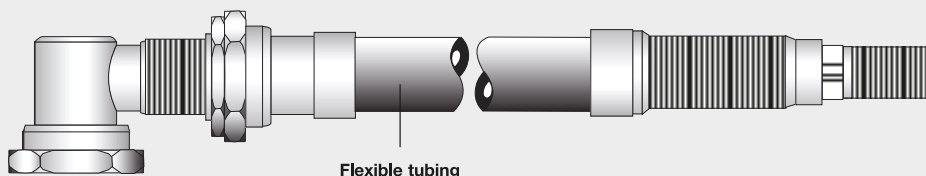
Double bend



Single bend

Flexible Tubeless Valves

Flexible swivel valves have a very low valve height above the rim and may also be fitted to tubeless applications where space is critical.



Flexible tubing

Extensions

In order to facilitate valve access it may be necessary to fit a valve extension. Normally the position of the valve to be accessed will determine the type of extension (rigid, flexible or bendable) required.



Rigid Brass



Bendable



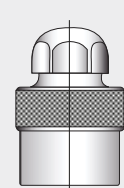
Flexible

Tyre Technology - Valves

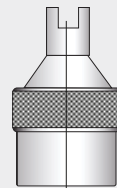
Valve Caps

Valves must always be fitted with a valve cap.

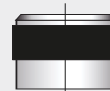
The valve cap is the primary air seal. Valve caps are always made of metal and have a rubber sealing ring. Plastic dust caps are not suitable for field service.



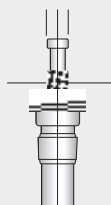
Hex Valve Cap



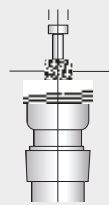
Dome Cap



Dome Cap



C1 Standard Core



C2 Large Bore
Super Large Bore

Valve Cores

The valve core is present to allow the internal air pressure to be measured and changed.

Valve cores are available in two versions.

Tubes, Flaps and Valves for Radial Off the Road Tyres

Narrow Base				
Tyre Size	Rim	Tube Size	Flap Size*	Angle Valve**
16.00 - 24 / 25	11.25	16.00 - 24 / 25 Truck	24 / 25F9.6	J1175 C
18.00 - 25	13.00	18.00 - 24 / 25 Truck	24 / 25F10.6	J1175 C
18.00 - 33	13.00	18.00 - 32 / 33 Truck	33F8.9	J1176 D
21.00 - 25	15.00	21.00 - 24 / 25 Truck	24 / 25F12.4	J1179 B
21.00 - 35	15.00	21.00 / 35 Truck	35F12.0	J1175 C

Wide Base				
Tyre Size	Rim	Tube Size	Flap Size*	Angle Valve**
20.5 - 25	17.00	20.5 - 25 Truck	25F14.9	J1175 C
23.5 - 25	19.50	23.5 - 25 Truck	25F19.8	J1175 C
26.5 - 25	22.00	26.5 - 25 Truck	25F21.6	J1175 C

*Flap width specified is minimum flap width. Flap width is measured on rim side of flap.

Example: 24 - 9.0 (24 = Nominal Diameter | 9.0 = Flap width)

**Valve J1014 is standard straight valve on all EM tubes 16.00 and up. Angle Valve shown is most commonly used.

Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

General Information

Tubes, Flaps and Valves for Grader Tyres

Tyres Using Semi-Drop Centre Rims				
Tyre Size	Rim	Tube Size	Valve No.	Flap Size
14.00 - 24T G	8.00T G	13.00 / 14 - 24 GR	220 A	24 - 10.0RG

Tubes, Flaps and Valves for Sand Tyres				
Tyre Size	Rim	Tube Size	Valve No.	Flap Size
18.00 - 25 DT	10.00 W	18.00 - 24 / 25 Truck	J1175 C	24 / 25F10.5
21.00-25 DT	15.00	21.00 - 24 / 25 Truck	J1179 B	24 / 25F13.0
29.5-25 DT	25.00	29.5 - 25 Truck	J1175 C	25F23.1

Radial tyres must be fitted with radial type tubes and flaps.

Tyre Technology - Liquid Ballasting

Ballasted Tyres

Increasing the load on the drive axle offers many advantages:

- Improved traction
- Increased drawbar pull
- Less slippage
- Less pressure loss
- Less tread wear
- Less bounce
- Less fuel consumption

The simplest way to add weight is to partially fill the tyres with liquid. No less than 75% of the tyre's volume should be filled with liquid. A 100% fill can cause an unsafe pressure rise under load.

A solution of calcium chloride and water is recommended for liquid filling. It offers:

- Additional weight (up to 50%) over plain water
- It is not harmful to rubber
- It is plentiful and low in cost
- It is an effective antifreeze solution

Special Considerations for Ballasted Tyres

Before adding ballast, tyres must be seated with air.

Inflate:

- Grader tyres = 3.5 Bar
- Tyres less than 29" in diameter = 5.25 Bar
- Tyres 29" and larger in diameter = 6.25 Bar

After seating, exhaust air and add ballast. Tubes filled with calcium chloride must be equipped with special sealed-in base valves. These prevent separation of the rubber valve base and valve metal.

Tubeless tyres can be ballasted. Calcium chloride solution will not harm rims if a minimum of 75% fill is used.

A corrosion-proof gauge should be used to check inflation pressures. The valve must be in the highest position when pressure is checked. This gives the most accurate reading.

Tyre Technology - Liquid Ballasting

Mixing the Calcium Chloride Solution

The amount of calcium chloride needed to prevent freezing varies with the temperature.

Sp. Gravity @	CaCl ₂ / Water	Freezes Below
18°C	Kg/L	°C
1.000	0.00	0
1.050	.08	-6
1.100	.18	-14
1.150	.28	-23
1.218	.42	-34
1.250	.50	-41

The amount of CaCl₂/Water needed for earthmover tyres can be easily calculated. The volume of the tyre must be known.

Then use the formula:

$$\frac{3/4 \text{ Vol. (in cu. cm)} = \text{Litres Water}}{1167}$$

The 1167 divisor is established by:

Volume of Litre Water = 1000 cu. cm

Swell Factor = 167 cu. cm

Volume of 1 Litre H₂O + .42 kg. CaCl₂ = 1167 cu. cm

Swell factors will vary with the amount of CaCl₂ added.

Other swell factors are available from any Goodyear OTR Sales or Service office.

Weight can be found by:

$$\begin{aligned} &\text{Weight of Water} = \text{Litres} \times 1 \\ &+ \text{Weight of CaCl}_2 = \text{Litres} \times .42 \\ \hline &\text{Ballast Weight in Kilograms} \end{aligned}$$

Tyre Technology - Safety Instructions

Before performing any services on off-the-road tyres, read and understand all safety precautions.

General

- Do not mount or demount tyres without proper training
- Follow all procedures and safety instructions exactly
- Do not be careless or take chances
- If you are uncertain about proper mating of parts, consult an expert
- Always stand clear of a tyre/rim assembly that is being deflated or inflated
- Use a clip-on chuck. Use inflation hose long enough to stand to side of tyre. Do not stand in front or back of tyre assembly
- Confirm that the correct components are used and that the new components are of the same size and type
- Never, under any circumstances, attempt to rework, weld, heat or braze any rim components that are cracked, broken or damaged
- Never hammer on rims or other components while tyre is fully or partially inflated
- If necessary to tap components together, mallets with faces of:
 - Rubber
 - Lead
 - Plastic
 - Brass
- Never introduce a flammable substance into a tyre before, during, or after mounting

Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

General Information

Demounting

Before removing any rim or wheel component (i.e., nuts or rim clamps):

DO

- Exhaust all air from a single tyre
- Exhaust all air from both tyres of a dual assembly
- Remove valve core completely to assure all air is exhausted from tyre
- Remove both cores from dual assembly
- Run a piece of wire through stem to be sure it's not plugged
- Use approved eye protector
- Use mechanical aids when removing heavy rim components

Inspection

- Clean and repaint rims to stop corrosion and facilitate mounting and component checks
- Clean dirt and rust from lock ring and gutter to ensure proper seating
- Check and replace all rim components which are cracked, badly worn, severely rusted or damaged in any way
- Don't reinflate a tyre that has been run flat until you inspect the tyre, tube, flap, rim and wheel assembly
- Double check the side ring, flange bead seat, lock ring and O-ring to ensure they are secure in the gutter before inflation

An earthmover tyre contains enough energy to raise a 1380 kg car 26m off the ground!

- Inflate tyres in a safety cage
- Replace weak or damaged parts
- Replace all severely rusted rims
- Check for excessive side ring play and ring butting
- Double check tyre and rim before inflating
- Always deflate tyres prior to dismounting
- Inspect wheel nuts and clamps periodically



Mounting and Inflation

- Double check to be sure all components are properly seated before inflating
 - Inflate in a safety cage. Use safety chains or equivalent restraining devices during inflation
 - Don't inflate tyre before all components are properly in place
 - Place in safety cage or use chain sling and inflate to approximately .5 BAR. Recheck components for proper assembly
 - If assembly is not proper, deflate and correct
 - If assembly is proper at approximately .5 BAR, inflate fully to seat tyre
 - Completely deflate tyre (both tube-type and tubeless)
 - Reinflate to recommended operating pressure
 - Stand clear when using a steel cable or chain sling
 - Inflate off-the-road tyre/rim assemblies with nitrogen instead of air where recommended by the vehicle manufacturer
 - Inflate to same level of pressure as you would with air
 - Inflating with nitrogen should be done only by trained personnel using proper equipment
- This includes:
- An appropriate relief valve
 - A pressure regulator set for no more than 1.5 BAR over desired inflation
 - A remote control clip-on chuck. Personnel to stand clear of tyre/rim assembly during inflation

Tyre Technology - Safety Instructions

Operation

- Use recommended rim for tyre. Check Goodyear catalogue for proper tyre/rim matching
- Don't overload or over-inflate tyre/rim assemblies
- Check your rim manufacturer if special operating conditions are required
- Never run a vehicle on one tyre of a dual assembly
- Never use a tube in a tubeless tyre where the rim assembly is suspected of leaking
- Always inspect rims and wheels for damage during tyre checks
- Never add or remove an attachment to a rim without approval from the manufacturer
- Never modify a rim without approval from the manufacturer
- If vehicle wheels have been designed/or altered to contain wheel coolant, never operate vehicle without coolant
- Always use the mix and amount of coolant recommended by the manufacturer
- Don't let the brakes become overheated
- Carefully follow manufacturer's recommendations for operating and maintenance
- Clear the area if excessive brake heat is suspected. Warnings include:
 - The smell of burning rubber
 - The smell of hot brakes
- Wait at least one hour before approaching machine

Servicing Tyre and Rim on Machine

- Block tyre and wheel on opposite side of machine before placing jack in position
- Put hardwood blocks under jack
- Use blocks regardless of how hard or firm ground appears to be
- Always crib up a vehicle with blocks just in case the jack slips
- Before loosening nuts or clamps, always secure a tyre/rim assembly with:
 - A sling
 - Tyre handler
 - Other support equipment
- Deflate and examine to determine the reason for improper fit. Look for distortion or components not properly locked or seated
- Replace cracked, broken or damaged parts with parts of the same size, type and make. Consult rim manufacturer concerning proper component replacement

An exploding earthmover tyre can throw a 7.25 kg bowling ball **more than 4.8 kilometres**

- Don't try to remove tyre from rim before completely deflating
- Don't seat rings by hammering while tyre is inflated
- Don't inflate tyre before all side and lock rings are in place
- Don't let anyone mount or dismount tyres without proper training
- Don't use water-suspended lubricants with tubeless tyres
- Don't use petroleum oil or grease on tyre beads or rims



Application Map

Rigid Dump Truck

Articulated Dump Truck

Wheel Loader / Grader / Underground

Port & Industrial

OE Pressure Recommendations

General Information

Notes



Handwriting practice lines consisting of alternating light blue and light gray horizontal bands. Each band contains a series of thin, light gray horizontal lines for letter height guidance.

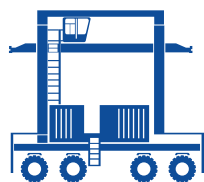


Notes



Lined area for writing, consisting of 25 horizontal lines.





Consult your Goodyear representative for additional information.
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