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# BIAS ARTICULATED DUMP TRUCK

## 17.5-25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Bell	B17B	17	CT	CT	CT	CT	CT	CT

## 20.5-25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Bell	B18E	20	16	35	20	45	20	45
Bell	B20B	20	16	35	20	40	20	40
Bell	B20D 6x4	18	16	30	24	45	20	45
Bell	B20D 6x6	18	16	30	24	50	24	45
Bell	B20E	20	16	35	20	45	20	45
Caterpillar	D250B	25	24	50	CT	CT	CT	CT
Caterpillar	D250D	25	24	45	CT	CT	CT	CT
Komatsu	HA250-1	25	CT	CT	CT	CT	CT	CT
Moxy	MT30 LHS	30	CT	CT	CT	CT	CT	CT
Terex	2364	23	24	50	24	50	24	45
Terex	2366	23	24	50	24	50	24	45
Terex	2566B	25	CT	CT	CT	CT	24	50
Terex	2566C	25	CT	CT	CT	CT	24	55
Volvo	A20 6X4	20	-	-	20	45	20	45
Volvo	A20 6x6	20	-	-	20	45	20	45
Volvo	A20C 6X6	20	20	40	20	45	20	45
Volvo	A25 6X4	25	20	40	CT	CT	CT	CT
Volvo	A25	25	20	45	CT	CT	CT	CT
Volvo	A25B	25	20	40	CT	CT	CT	CT

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 23.5-25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Bell	B25B	25	20	35	20	35	20	35
Bell	B25D	26	20	35	20	40	20	40
Bell	B25E	27	16	30	CT	CT	CT	CT
Bell	B30B	30	CT	CT	CT	CT	CT	CT
Bell	B30D	30	20	35	CT	CT	CT	CT
Bell	B30E	31	20	35	CT	CT	CT	CT

CONTINUES ON NEXT PAGE

## 23.5-25 ARTICULATED DUMP TRUCK USAGE CHART CONTINUED

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	D20D	20	CT	CT	12	25	CT	CT
Caterpillar	D250B	25	20	35	20	40	20	40
Caterpillar	D250D	25	16	30	20	40	20	40
Caterpillar	D250E	25	20	40	CT	CT	CT	CT
Caterpillar	D300B	30	20	40	CT	CT	CT	CT
Caterpillar	D300D	30	20	40	CT	CT	CT	CT
Caterpillar	D300E	30	20	40	CT	CT	CT	CT
Caterpillar	D350C	35	CT	CT	CT	CT	CT	CT
Caterpillar	725	25	20	40	CT	CT	CT	CT
Caterpillar	725	26	CT	CT	CT	CT	CT	CT
Caterpillar	725C	26	CT	CT	CT	CT	CT	CT
Caterpillar	725C2	27	CT	CT	CT	CT	CT	CT
Caterpillar	730	30	CT	CT	CT	CT	CT	CT
Caterpillar	730	31	CT	CT	CT	CT	CT	CT
Caterpillar	730 EJ	31	CT	CT	CT	CT	CT	CT
Caterpillar	730C	31	CT	CT	CT	CT	CT	CT
Caterpillar	730C EJ	31	CT	CT	CT	CT	CT	CT
Caterpillar	730C2	31	CT	CT	CT	CT	CT	CT
Caterpillar	730C2 EJ	31	CT	CT	CT	CT	CT	CT
Deere	250C	25	20	35	16	30	20	35
Deere	250D	25	20	35	20	40	20	40
Deere	250D-II	25	20	35	20	40	20	40
Deere	260E	26	CT	CT	CT	CT	CT	CT
Deere	300C	30	20	40	CT	CT	CT	CT
Deere	300D	30	20	35	CT	CT	CT	CT
Deere	300D-II	30	20	40	CT	CT	CT	CT
Deere	310E	31	CT	CT	CT	CT	CT	CT
Doosan	DA30	31	CT	CT	CT	CT	CT	CT
Doosan	DA30-5	31	CT	CT	CT	CT	CT	CT
Komatsu	HA270-1	27	CT	CT	CT	CT	CT	CT
Komatsu	HM300-1	30	CT	CT	CT	CT	CT	CT
Komatsu	HM300-2	30	CT	CT	CT	CT	CT	CT
Komatsu	HM300-3	31	CT	CT	CT	CT	CT	CT
Komatsu	HM300-5	31	CT	CT	CT	CT	CT	CT
Moxy	MT26	26	CT	CT	CT	CT	CT	CT
Moxy	MT30X	30	CT	CT	20	35	20	35
Moxy	MT30LHS	30	CT	CT	CT	CT	CT	CT
Moxy	MT31	31	CT	CT	CT	CT	CT	CT
Randon	RK-628	28	20	35	CT	CT	CT	CT
Terex	2566B	25	CT	CT	20	35	20	35
Terex	2566C	25	CT	CT	20	40	20	35
Terex	2766B	28	CT	CT	20	40	20	40
Terex	2766C	28	CT	CT	CT	CT	20	40
Terex	3066	30	CT	CT	CT	CT	CT	CT
Terex	3066C	30	20	40	CT	CT	CT	CT
Terex	TA250	28	CT	CT	CT	CT	CT	CT

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**23.5-25 ARTICULATED DUMP TRUCK USAGE CHART CONTINUED**

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Terex	TA250-9	28	CT	CT	CT	CT	CT	CT
Terex	TA300	31	CT	CT	CT	CT	CT	CT
Terex	TA300-T4	31	CT	CT	CT	CT	CT	CT
Terex	TA300-9	31	CT	CT	CT	CT	CT	CT
Volvo	A20 6X4	20	12	25	-	-	-	-
Volvo	A25	25	16	30	20	40	20	40
Volvo	A25 4X4	25	16	35	-	-	-	-
Volvo	A25 6X4	25	16	30	20	40	20	40
Volvo	A25B	25	16	30	20	40	20	40
Volvo	A25B 4X4	25	16	35	-	-	-	-
Volvo	A25C	25	16	30	20	40	20	40
Volvo	A25C 4X4	25	20	35	-	-	-	-
Volvo	A25C 6X6	25	16	30	20	40	20	40
Volvo	A25D	27	20	40	CT	CT	CT	CT
Volvo	A25E	27	20	40	CT	CT	CT	CT
Volvo	A25E 4X4	27	CT	CT	-	-	-	-
Volvo	A25F	27	20	40	CT	CT	CT	CT
Volvo	A25G	27	CT	CT	CT	CT	CT	CT
Volvo	A30	30	20	40	CT	CT	CT	CT
Volvo	A30C	30	CT	CT	CT	CT	CT	CT
Volvo	A30C 6X6	30	CT	CT	CT	CT	CT	CT
Volvo	A30D	31	CT	CT	CT	CT	CT	CT
Volvo	A30E	31	CT	CT	CT	CT	CT	CT
Volvo	A30F	31	CT	CT	CT	CT	CT	CT
Volvo	A30G	31	CT	CT	CT	CT	CT	CT

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

**26.5-25 ARTICULATED DUMP TRUCK USAGE CHART**

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Bell	B35D	36	26	45	32	55	32	55
Bell	B35E	37	32	50	44	55	32	55
Bell	B40	40	32	50	44	60	44	60
Bell	B40B	40	32	50	44	55	44	55
Bell	B40D 6x4	40	26	45	44	60	44	55
Caterpillar	D25C	25	32	50	CT	-	44	55
Caterpillar	D25D	25	32	50	CT	-	44	55
Caterpillar	D350C	35	26	45	26	45	26	45
Caterpillar	D350D	35	32	45	26	45	26	45
Caterpillar	D400D	40	32	50	44	55	44	55

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**26.5-25 ARTICULATED DUMP TRUCK USAGE CHART CONTINUED**

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	735	35	32	55	32	55	32	55
Caterpillar	735	36	44	55	32	55	32	50
Caterpillar	735B	36	44	60	32	55	32	50
Caterpillar	735B	36	44	60	32	55	32	50
Caterpillar	735C	36	32	55	32	55	32	50
Deere	350C	35	32	45	32	50	32	50
Deere	350D	35	26	45	32	50	32	50
Deere	350D Series II	35	32	50	32	50	32	50
Deere	370E	37	32	50	44	55	32	55
Komatsu	HM350-2	36	32	50	32	55	32	55
Moxy	MT36	36	32	45	32	50	32	50
Moxy	MT40	40	32	45	32	55	32	55
Terex	4066	37	20	40	32	50	32	50
Terex	4066B	40	26	45	44	55	44	55
Terex	4066C	40	26	45	44	60	44	60
Terex	TA350	38	26	40	44	60	44	60
Volvo	A35	35	20	40	32	50	32	50
Volvo	A35C	35	20	40	32	50	32	50
Volvo	A35C 6X6	35	20	40	32	50	32	50
Volvo	A35D	36	26	40	32	55	32	55
Volvo	A35E	37	26	40	44	55	44	55
Volvo	A35E-FS	37	26	40	44	55	44	55
Volvo	A35F	37	26	45	44	55	44	55
Volvo	A35F-FS	37	26	45	44	55	44	55
Volvo	A35G	37	32	45	44	55	44	55
Volvo	A35G-FS	37	32	45	44	55	44	55

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

**29.5-25 ARTICULATED DUMP TRUCK USAGE CHART**

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Atlas	FB-645	45	34	55	34	60	34	60
Bell	B40B	40	28	45	28	50	28	45
Bell	B40D	41	28	40	34	50	34	50
Bell	B40E	43	28	45	34	55	34	55
Bell	B45D	45	28	45	38	60	34	60
Bell	B45E	45	28	45	34	55	34	55
Bell	B50E	50	34	50	CT	CT	CT	CT
Caterpillar	D30C 4x4	30	28	45	-	-	38	60
Caterpillar	D30D 4x4	30	28	45	-	-	38	60

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## 29.5-25 ARTICULATED DUMP TRUCK USAGE CHART CONTINUED

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	D35C	35	28	45	-	-	CT	-
Caterpillar	D40D	40	34	55	-	-	CT	-
Caterpillar	D350C	35	28	35	28	40	28	35
Caterpillar	D350D	35	28	40	28	40	28	40
Caterpillar	D400D	40	28	45	28	45	28	45
Caterpillar	D400E	40	28	45	28	45	28	45
Caterpillar	740	40	34	50	28	50	28	45
Caterpillar	740	44	34	55	34	55	34	50
Caterpillar	740 EJ	42	28	45	38	60	34	55
Caterpillar	740B	44	34	55	34	55	34	50
Caterpillar	740B EJ	42	28	50	34	60	34	55
Caterpillar	740C EJ	42	28	45	34	60	34	55
Caterpillar	740 GC	40	28	50	34	50	28	50
Caterpillar	745C	45	34	55	34	55	34	55
Deere	370E	37	28	45	28	45	28	45
Deere	400C	40	28	45	28	45	28	45
Deere	400D	40	28	40	34	50	34	50
Deere	400D Series II	40	28	40	34	55	34	50
Deere	410E	41	28	45	34	50	34	50
Deere	460E	46	28	50	34	55	34	55
Doosan	DA40	44	28	45	34	55	34	55
Doosan	DA40-5	44	28	45	34	55	34	55
Komatsu	HD400	40	28	40	34	50	34	50
Komatsu	HM400-2	40	28	40	34	55	34	55
Komatsu	HM400-3	44	28	45	34	60	34	60
Komatsu	HM400-5	44	28	50	38	60	34	55
Moxy	MT41	41	28	40	34	50	34	50
Moxy	MT51	51	28	45	38	60	38	60
Terex	TA400-9	42	28	40	34	55	34	55
Volvo	A40	40	28	35	34	50	34	50
Volvo	A40D	41	28	40	34	55	34	55
Volvo	A40E	43	28	40	34	55	34	55
Volvo	A40E-FS	43	28	40	34	55	34	55
Volvo	A40F	43	28	45	34	55	34	55
Volvo	A40F-FS	43	28	40	34	55	34	55
Volvo	A40G	43	28	45	34	55	34	55
Volvo	A40G-FS	43	28	45	34	55	34	55
Volvo	A45G	45	28	45	34	55	34	55
Volvo	A45G-FS	45	28	45	34	55	34	55
Volvo	A25 4X4	25	-	-	-	-	34	55
Volvo	A25B 4X4	25	-	-	-	-	34	55
Volvo	A25C 4X4	25	-	-	-	-	34	55
Volvo	A25E 4X4	27	-	-	-	-	38	65

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# BIAS GRADER

## 13.00-24TG GRADER USAGE CHART

For Standard Grader Service: Unlimited distance, < 25 mph



Manufacturer	Model	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Case	845B	12	35	12	45	12	45
Case	865B	12	40	12	45	12	45
Case	865B AWD	12	40	16	45	16	45
Caterpillar	12M	12	45	CT	CT	CT	CT
Caterpillar	120M2	12	40	CT	CT	CT	CT
Caterpillar	120M2 AWD	12	45	CT	CT	CT	CT

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 14.00-24TG GRADER USAGE CHART

For Standard Grader Service: Unlimited distance, < 25 mph



Manufacturer	Model	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Case	845B	12	25	12	40	12	40
Case	865B	12	25	12	40	12	40
Case	865B AWD	12	30	12	40	12	40
Case	885B	12	35	14	40	14	40
Case	885B AWD	12	40	14	40	14	40
Caterpillar	12M	12	30	14	40	14	40
Caterpillar	12M2	12	35	14	45	14	45
Caterpillar	12M2 AWD	12	35	CT	CT	CT	CT
Caterpillar	12M3	12	35	CT	CT	CT	CT
Caterpillar	12M3 AWD	12	35	CT	CT	CT	CT
Caterpillar	120M2	12	30	14	40	14	40
Caterpillar	120M2 AWD	12	30	14	45	14	45
Caterpillar	140	12	30	16	45	16	45
Caterpillar	140H	12	25	12	40	12	40
Caterpillar	140M	12	30	14	45	14	45
Caterpillar	140M AWD	12	35	CT	CT	CT	CT
Caterpillar	140M2	12	35	CT	CT	CT	CT
Caterpillar	140M2 AWD	12	40	CT	CT	CT	CT
Caterpillar	140M3	12	35	CT	CT	CT	CT
Caterpillar	140M3 AWD	14	40	CT	CT	CT	CT
Caterpillar	160M	12	35	CT	CT	CT	CT
Caterpillar	160M AWD	12	40	CT	CT	CT	CT
Caterpillar	160M2	12	35	CT	CT	CT	CT
Caterpillar	160M2 AWD	14	40	CT	CT	CT	CT
Caterpillar	160M3	12	35	CT	CT	CT	CT
Caterpillar	160M3 AWD	14	40	CT	CT	CT	CT

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## 14.00-24TG GRADER USAGE CHART CONTINUED

For Standard Grader Service: Unlimited distance, &lt; 25 mph



Manufacturer	Model	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Deere	620G/GP	12	30	14	45	14	45
Deere	622G/GP	12	35	14	45	14	45
Deere	670G Std	12	25	12	40	12	40
Deere	670G w/ ripper	12	35	14	45	14	45
Deere	672G Std	12	30	12	40	12	40
Deere	672G w/ ripper	12	35	CT	CT	CT	CT
Deere	770C std	12	25	12	40	12	40
Deere	770C w/ scarifier	12	30	12	40	12	40
Deere	770C w/ ripper	12	25	12	40	12	40
Deere	770CH std	12	25	12	40	12	40
Deere	770CH w/ scarifier	12	30	12	40	12	40
Deere	770CH w/ ripper	12	25	12	40	12	40
Deere	770G std	12	25	12	40	12	40
Deere	770G w/ ripper	12	35	CT	CT	CT	CT
Deere	772CH std	12	25	12	40	12	40
Deere	772CH w/ scarifier	12	35	12	40	12	40
Deere	772CH w/ ripper	12	30	12	40	12	40
Deere	772D std	12	25	12	40	12	40
Deere	772D w/ ripper	12	30	14	40	14	40
Deere	772G std	12	30	14	40	14	40
Deere	772G w/ ripper	12	40	CT	CT	CT	CT
Deere	870G std	12	25	14	40	14	40
Deere	870G w/ ripper	12	35	CT	CT	CT	CT
Deere	872G std	12	30	14	40	14	40
Deere	872G w/ ripper	14	40	CT	CT	CT	CT
Terex	TG140	12	30	12	40	12	40
Terex	TG180	14	40	12	40	12	40
Terex	TG200	14	40	12	40	12	40
Volvo	G930B	12	25	12	40	12	40
Volvo	G930C	12	25	12	40	12	40
Volvo	G940B	12	30	12	40	12	40
Volvo	G940C	12	30	14	40	14	40
Volvo	G946B	12	30	14	40	14	40
Volvo	G946C	12	30	14	40	14	40
Volvo	G960B	12	30	14	40	14	40
Volvo	G960C	12	30	14	40	14	40

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services



**16.00-24TG GRADER USAGE CHART**

For Standard Grader Service: Unlimited distance, &lt; 25 mph



Manufacturer	Model	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Case	845B	16	20	16	40	16	40
Case	865B	16	20	16	40	16	40
Case	865B AWD	16	25	16	40	16	40
Case	885B	16	25	16	40	16	40
Case	885B AWD	16	30	16	40	16	40
Caterpillar	14M	16	30	CT	CT	CT	CT

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

**17.5-25 GRADER USAGE CHART**

For Standard Grader Service: Unlimited distance, &lt; 25 mph



Manufacturer	Model	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Case	845B	12	20	12	40	12	40
Case	856C	12	20	12	40	12	40
Case	856C AWD	12	20	12	40	12	40
Case	865B	12	25	12	40	12	40
Case	865B AWD	12	25	12	40	12	40
Case	885B	12	30	16	40	16	40
Case	885B AWD	16	CT	16	40	16	40
Caterpillar	12M	12	25	16	40	16	40
Caterpillar	12M2	12	30	20	40	20	40
Caterpillar	12M2 AWD	16	CT	20	40	20	40
Caterpillar	12M3	12	30	20	40	20	40
Caterpillar	12M3 AWD	16	CT	20	40	20	40
Caterpillar	120M2	12	25	16	40	16	40
Caterpillar	120M2 AWD	12	30	20	40	20	40
Caterpillar	140H	12	20	12	40	12	40
Caterpillar	140M	12	30	20	40	20	40
Caterpillar	140M AWD	12	30	20	40	20	40
Caterpillar	140M2	12	30	20	40	20	40
Caterpillar	140M2 AWD	16	CT	20	40	20	40
Caterpillar	140M3	12	30	20	40	20	40
Caterpillar	140M3 AWD	16	CT	CT	40	CT	40
Caterpillar	160M	12	30	20	40	20	40
Caterpillar	160M AWD	16	CT	20	40	20	40
Caterpillar	160M2	16	CT	20	40	20	40
Caterpillar	160M2 AWD	16	CT	CT	CT	CT	CT
Caterpillar	160M3	16	CT	CT	40	CT	40
Caterpillar	160M3 AWD	16	CT	CT	CT	CT	CT
Deere	620G/GP	12	25	16	40	16	40
Deere	622G/GP	12	30	20	40	20	40

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**17.5-25 GRADER USAGE CHART CONTINUED**

For Standard Grader Service: Unlimited distance, < 25 mph



Manufacturer	Model	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Deere	670G Std	12	20	16	40	16	40
Deere	670G w/ ripper	12	30	20	40	20	40
Deere	672G Std	12	25	16	40	16	40
Deere	672G w/ ripper	16	CT	20	40	20	40
Deere	770C std	12	20	12	40	12	40
Deere	770C w/ scarifier	12	25	12	40	12	40
Deere	770C w/ ripper	12	25	16	40	16	40
Deere	770CH std	12	20	12	40	12	40
Deere	770CH w/ scarifier	12	25	12	40	12	40
Deere	770CH w/ ripper	12	25	16	40	16	40
Deere	770G std	12	20	16	40	16	40
Deere	770G w/ ripper	12	30	20	40	20	40
Deere	772CH std	12	25	12	40	12	40
Deere	772CH w/ scarifier	12	30	12	40	12	40
Deere	772CH w/ ripper	12	25	16	40	16	40
Deere	772D std	12	20	12	40	12	40
Deere	772D w/ ripper	12	25	16	40	16	40
Deere	772G std	12	25	16	40	16	40
Deere	772G w/ ripper	16	CT	20	40	20	40
Deere	870G std	12	25	16	40	16	40
Deere	870G w/ ripper	12	30	20	40	20	40
Deere	872G std	12	25	16	40	16	40
Deere	872G w/ ripper	16	CT	CT	CT	CT	CT
Komatsu	GD655-5	12	25	12	40	12	40
Komatsu	GD655-5 w/ ripper	12	30	16	40	16	40
Komatsu	GD655-5 w/ scarifier	12	25	16	40	16	40
Komatsu	GD655-6	12	20	16	40	16	40
Komatsu	GD655-6 w/ ripper	12	25	20	40	20	40
Komatsu	GD655-6 w/ scarifier	12	25	16	40	16	40
Komatsu	GD655-7	12	20	16	40	16	40
Volvo	G930B	12	25	12	40	12	40
Volvo	G930C	12	25	20	40	20	40
Volvo	G940B	12	25	16	40	16	40
Volvo	G940C	12	25	CT	CT	CT	CT
Volvo	G946B	12	25	16	40	16	40
Volvo	G946C	12	30	CT	CT	CT	CT
Volvo	G960B	12	25	16	40	16	40
Volvo	G960C	12	30	CT	CT	CT	CT

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# BIAS LOADER

## 15.5-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	910K	1.7	12	55	12	35
Caterpillar	910M	2.5	12	70	12	40
Caterpillar	914G2	1.8	24	55	24	35
Hitachi	ZW100	1.7	24	55	24	35
Hitachi	ZW100 HL	1.4	24	50	24	35
Komatsu	WA150-5	1.6	24	50	24	35
Volvo	L45H	2	24	65	24	40
Volvo	L50H	2.1	24	70	24	40

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

HL - High Lift, extended booms, etc.

## 17.5-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)	Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	IT14B	1.6	12	50	12	35	Caterpillar	924Gz	2.3	12	60	12	35
Caterpillar	IT14F	1.6	12	50	12	35	Caterpillar	924K	2.5	16	75	12	45
Caterpillar	IT14G	1.7	12	45	12	35	Caterpillar	926	1.75	12	50	12	35
Caterpillar	IT18	1.5	12	50	12	35	Caterpillar	926E	2.25	12	55	12	35
Caterpillar	IT18B	1.75	12	55	12	35	Caterpillar	926M	2.5	16	75	12	45
Caterpillar	IT18F	2	12	60	12	35	Caterpillar	928F	2.6	12	65	12	35
Caterpillar	IT24	2.3	12	60	12	35	Caterpillar	928G	2.6	12	65	12	40
Caterpillar	IT24F	2.4	12	65	12	35	Caterpillar	930	2.25	12	60	12	35
Caterpillar	IT28	2	12	55	12	35	Caterpillar	936	2.75	16	75	12	45
Caterpillar	IT28B	2.25	12	60	12	35	Caterpillar	936E	3	16	80	12	45
Caterpillar	IT28F	2.6	12	65	12	40	Caterpillar	936F	3	16	80	12	45
Caterpillar	910M	2.5	12	60	12	35	Case	W14C	1.7	12	45	12	35
Caterpillar	914G	1.7	12	45	12	35	Case	W18	2	12	55	12	35
Caterpillar	914G2	1.8	12	50	12	35	Case	W18B	2	12	55	12	35
Caterpillar	914K	1.7	12	45	12	35	Case	W20	2	12	60	12	35
Caterpillar	914K HL	1.7	12	50	12	35	Case	W20B	2.5	12	60	12	35
Caterpillar	914M	2.5	12	60	12	35	Case	W20C	2	12	55	12	35
Caterpillar	916	2	12	50	12	35	Case	W24B	2.5	12	60	12	35
Caterpillar	918F	2	12	55	12	35	Case	W24C	3	16	70	12	40
Caterpillar	918M	2.5	12	60	12	35	Case	521D	2	12	55	12	35
Caterpillar	924F	2.25	12	55	12	35	Case	521G Z-Bar	2.1	12	60	12	35

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**17.5-25 LOADER USAGE CHART CONTINUED**

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)	Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Case	521G Z-Bar	2	12	55	12	35	Fiatallis	FR9C	1.8	12	45	12	35
Case	521G Z-Bar	2.3	12	60	12	35	Fiatallis	FR90	1.8	12	50	12	35
Case	521G XR	2.1	12	60	12	35	Fiatallis	FR10	2	12	55	12	35
Case	521G XR	2	12	60	12	35	Fiatallis	FR10B	2.2	12	55	12	35
Case	521G XR	2.3	12	65	12	35	Fiatallis	FR10C	2.25	12	55	12	35
Case	521G XT	2.1	12	60	12	35	Fiatallis	FR100	2.25	12	55	12	35
Case	521G XT	2	12	60	12	35	Fiatallis	FR11	2.5	12	65	12	40
Case	621	2.2	12	65	12	35	Fiatallis	FR12	2.5	12	65	12	40
Daewoo	Mega 200	2.4	12	60	12	35	Fiatallis	FR12B	2.5	12	60	12	35
Daewoo	Mega 200-III	2.3	12	60	12	35	Fiatallis	FR120	2.5	12	60	12	35
Deere	304H	1.25	12	50	12	35	Fiatallis	FR120-2	2.5	12	65	12	40
Deere	304H WH	1	12	45	12	35	Fiatallis	FW130	2.75	16	70	12	45
Deere	324H	1.75	12	55	12	35	Fiatallis	FW110	2.2	12	55	12	35
Deere	344E	1.6	12	45	12	35	Fiat Hitachi	W110	2.1	12	55	12	35
Deere	344G	1.6	12	45	12	35	Fiat Hitachi	W130 PL	2.6	12	65	12	40
Deere	344H	2	12	45	12	35	Furukawa	FL120-I	1.7	12	50	12	35
Deere	344K	1.75	12	50	12	35	Furukawa	FL120A-I	1.7	12	50	12	35
Deere	344L	2	12	55	12	35	Hitachi	ZW120	2	12	50	12	35
Deere	344L HL	2	12	55	12	35	Hitachi	ZW120 HL	1.75	12	50	12	35
Deere	444	1.5	12	45	12	35	Hitachi	ZW120-6	2	12	50	12	35
Deere	444C	1.75	12	50	12	35	Hitachi	ZW120-6 HL	2	12	55	12	35
Deere	444D	1.75	12	50	12	35	Hitachi	ZW140	2.6	12	65	12	35
Deere	444E	1.75	12	50	12	35	Hitachi	ZW140 HL	2	12	60	12	35
Deere	444G	1.75	12	50	12	35	Hitachi	ZW140-6	2.7	12	65	12	40
Deere	444H	2.5	12	60	12	35	Hitachi	ZW140-6 HL	2.7	16	70	12	40
Deere	444H-HL	2.5	12	65	12	40	Hyundai	HL17	2.4	12	65	12	40
Deere	444K Z-bar	2.5	12	65	12	40	Hyundai	HL730-9A	2.5	12	60	12	35
Deere	444K HL	2.5	16	70	12	40	Hyundai	HL730XTD-9A	2.5	12	65	12	35
Deere	444K Powerflex	2.5	16	75	12	45	Hyundai	HL730TM-9A	2.2	12	60	12	35
Deere	544B	1.75	12	55	12	35	Hyundai	HL740-9A	3	16	80	12	45
Deere	544C	2	12	55	12	35	Hyundai	HL740XTD-9A	3	20	80	12	50
Deere	544D	2.2	12	60	12	35	Hyundai	HL740TM-9A	3	20	85	12	55
Deere	544E	2.2	12	60	12	35	Hyundai	HL757-9A	3.7	20	90	16	55
Deere	544G	2.5	12	65	12	35	Hyundai	HL757XTD-9A	3.7	24	100	16	65
Deere	544G-TC	2.5	12	65	12	40	Hyundai	HL757TM-9A	3.5	24	95	16	60
Deere	TC44H	2	12	55	12	35	Hyundai	HL940	3	16	75	12	45
Deere	TC54H	2.5	12	60	12	35	Hyundai	HL940 XT	3	16	80	12	50
Deere	TC62H	3	12	60	12	35	Hyundai	HL955	3.1	20	85	12	50
Fiatallis	FR7B	1.4	12	40	12	35	Hyundai	HL955 XTD	3.1	20	90	16	55
Fiatallis	FR7C	1.4	12	40	12	35	JCB	411HT	1.6	12	45	12	35
Fiatallis	FR70	1.4	12	40	12	35	JCB	416HT	2.2	12	55	12	35
Fiatallis	345B	1.5	12	45	12	35	JCB	417HT	2	12	55	12	35
Fiatallis	FR9B PL	1.7	12	50	12	35	JCB	417HT HL	2	12	55	12	35
Fiatallis	FR90 PL	1.8	12	55	12	35	JCB	417HT SHL	2	12	60	12	35
Fiatallis	FR9B	1.8	12	50	12	35	Kawasaki	50ZIV	1.7	12	45	12	35

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**17.5-25 LOADER USAGE CHART CONTINUED**

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Kawasaki	50ZIV-2	2	12	45	12	35
Kawasaki	60Z	2.1	12	55	12	35
Kawasaki	60ZII	2.1	12	55	12	35
Kawasaki	60ZIII	2.1	12	50	12	35
Kawasaki	60ZIV	2.1	12	50	12	35
Kawasaki	60ZIV-2	2.5	12	55	12	35
Kawasaki	60Z7	2	12	50	12	35
Kawasaki	60ZV-2	2.2	12	55	12	35
Kawasaki	60ZV-2 HL	2.2	12	60	12	35
Kawasaki	60ZV-2 SHL	2.2	12	60	12	35
Kawasaki	62Z7	2.75	12	65	12	40
Kawasaki	65TM-2	2.6	16	80	12	50
Kawasaki	65Z	2.3	12	60	12	35
Kawasaki	65ZII	2.3	12	60	12	35
Kawasaki	65ZIII	2.6	12	65	12	35
Kawasaki	65ZIV	2.6	12	65	12	35
Kawasaki	65ZIV-2	3	16	70	12	45
Kawasaki	65ZV-2	3	16	70	12	40
Kawasaki	65ZV-2 HL	2.8	16	70	12	40
Kawasaki	65ZV-2 SHL	2.8	16	70	12	45
Komatsu	WA120-1	1.75	12	50	12	35
Komatsu	WA120-3	1.85	12	45	12	35
Komatsu	WA150-5	2	12	50	12	35
Komatsu	WA180-1	2.25	12	55	12	35
Komatsu	WA180-3	2.9	12	65	12	35
Komatsu	WA180-3 PTC	2.5	12	65	12	35
Komatsu	WA200-5	2.6	12	60	12	35
Komatsu	WA200-6	2.6	12	60	12	35
Komatsu	WA200PZ-6	2.6	12	65	12	40
Komatsu	WA200-7	2.6	12	65	12	40
Komatsu	WA200-8	2.6	12	65	12	40
Komatsu	WA250-5	3	16	70	12	40
Komatsu	WA250-6	3	12	65	12	40
Komatsu	WA250PZ-6	2.9	16	75	12	45
Komatsu Dresser	512	1.7	12	50	12	35
Komatsu Dresser	515B	1.6	12	45	12	35
Komatsu Dresser	515C	2	12	50	12	35
Komatsu Dresser	515CH	2	12	55	12	35
Komatsu Dresser	518	2.2	12	55	12	35
Komatsu Dresser	520B	2.25	12	60	12	35
Komatsu Dresser	520C	2.5	12	60	12	35

Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Liebherr	L524 Z-bar	2.7	12	65	12	40
Liebherr	L524	2.4	12	65	12	40
Liebherr	L524 HL	2.4	16	70	12	45
Liebherr	L526 Z-bar	2.75	12	70	12	40
Liebherr	L526	2.75	16	75	12	45
Liebherr	L526 HL	2.75	16	80	12	50
Liebherr	L528 Z-bar	3	16	70	12	40
Liebherr	L528	2.7	16	70	12	40
Liebherr	L528 HL	2.7	16	80	12	45
Terex	33C	1.75	12	50	12	35
Terex	44C	2.25	12	65	12	40
Volvo	L45H	2	12	55	12	35
Volvo	L50C	2	12	50	12	35
Volvo	L50D	2	12	55	12	35
Volvo	L50H	2.1	12	55	12	35
Volvo	L60G	2.75	16	70	12	40
Volvo	L60H	2.75	16	70	12	40
Volvo	L70B	2.1	12	60	12	35
Volvo	L70C	2.5	12	60	12	35
Volvo	L70D	2.5	12	65	12	40

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services  
HL - High Lift, extended booms, etc.

## 20.5-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

\*This excludes HK 458, see pages 87-89 for HK 458 pressures



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)	Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	IT38F	3.25	16	60	12	35	Case	621G XT	2.4	12	50	12	35
Caterpillar	IT38G	3.3	16	60	12	35	Case	621G XT	3	16	55	12	35
Caterpillar	IT38H	3.3	16	65	12	35	Case	621G XT	2.8	16	55	12	35
Caterpillar	924G	2.3	12	45	12	35	Case	721	2.75	12	50	12	35
Caterpillar	924H	2.4	12	45	12	35	Case	721B	2.75	12	50	12	35
Caterpillar	924HZ	2.3	12	45	12	35	Case	721B XT	2.75	16	55	12	35
Caterpillar	924K	2.5	12	55	12	35	Case	721C	2.75	16	55	12	35
Caterpillar	926M	2.5	16	55	12	35	Case	721E	3.5	16	60	12	35
Caterpillar	928HZ	2.6	12	50	12	35	Case	721E XT	3	16	55	12	35
Caterpillar	930H	2.7	12	55	12	35	Case	721E XR	3	16	55	12	35
Caterpillar	930K	2.75	16	55	12	35	Case	721F	3	16	55	12	35
Caterpillar	930M	2.75	16	55	12	35	Case	721F XT	3	16	60	12	35
Caterpillar	930M HL	2.7	16	60	12	35	Case	721F XR	3	16	60	12	35
Caterpillar	936F TC	3	16	55	12	35	Case	721G Z-Bar	3	16	55	12	35
Caterpillar	938F	3.25	16	55	12	35	Case	721G Z-Bar	2.8	16	55	12	35
Caterpillar	938G	3.25	16	60	12	35	Case	721G Z-Bar	3.25	16	60	12	35
Caterpillar	938H	3.65	20	65	16	40	Case	721G XR	3	16	60	12	35
Caterpillar	938K	3.25	16	65	12	35	Case	721G XR	2.8	16	55	12	35
Caterpillar	938M	3.25	20	65	16	40	Case	721G XR	3.25	16	60	12	35
Caterpillar	938M HL	3.2	20	70	16	40	Case	721G XT	3	16	60	12	35
Caterpillar	950B	3.75	20	70	16	40	Case	721G XT	2.8	16	55	12	35
Caterpillar	950F	4	20	75	16	45	Case	W30	3.5	16	55	12	35
Case	521G Z-Bar	2.1	12	45	12	35	Daewoo	Mega 250-III	3.1	16	55	12	35
Case	521G Z-Bar	2	12	40	12	35	Deere	444K Z-bar	2.5	12	50	12	35
Case	521G Z-Bar	2.3	12	45	12	35	Deere	444K HL	2.5	12	50	12	35
Case	521G XR	2.1	12	45	12	35	Deere	444K Powerlel	2.5	12	50	12	35
Case	521G XR	2	12	45	12	35	Deere	524K Z-bar	2.75	12	50	12	35
Case	521G XR	2.3	12	45	12	35	Deere	524K HL	2.75	12	55	12	35
Case	521G XT	2.1	12	45	12	35	Deere	524L	2.75	12	50	12	35
Case	521G XT	2	12	45	12	35	Deere	524L HL	2.75	16	55	12	35
Case	621B	2.25	12	45	12	35	Deere	544H	3	12	55	12	35
Case	621B	3	12	55	12	35	Deere	544H-HL	3	16	55	12	35
Case	621B XT	2.25	12	50	12	35	Deere	544J	3	12	55	12	35
Case	621D	2.5	12	50	12	35	Deere	544J-HL	3	16	55	12	35
Case	621E	3	12	55	12	35	Deere	544K	3	16	55	12	35
Case	621E XT	3	16	55	12	35	Deere	544K-HL	3	16	55	12	35
Case	621E XR	3	16	55	12	35	Deere	544L	3	16	55	12	35
Case	621G Z-Bar	2.5	12	50	12	35	Deere	544L HL	2.75	16	55	12	35
Case	621G Z-Bar	2.4	12	45	12	35	Deere	624E	2.6	12	50	12	35
Case	621G Z-Bar	2.75	12	50	12	35	Deere	624G	3.25	16	55	12	35
Case	621G XR	2.5	12	50	12	35	Deere	624H	3.5	16	60	12	35
Case	621G XR	2.4	12	50	12	35	Deere	624H-HL	3	16	60	12	35
Case	621G XR	2.75	12	55	12	35	Deere	624K	3.5	16	60	12	35
Case	621G XT	2.5	12	50	12	35	Deere	624K-HL	3.5	16	65	12	35

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**20.5-25 LOADER USAGE CHART CONTINUED**

For Standard Loader Service: &lt;250 ft, &lt; 5 mph

\*This excludes HK 458, see pages 87-89 for HK 458 pressures



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)	Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Deere	624L	3.5	16	65	12	35	Hitachi	ZW180-5 HL	3.1	16	60	12	35
Deere	624L HL	3.5	20	65	16	40	Hitachi	ZW180-6	3.7	16	65	12	35
Deere	644B	2.5	12	50	12	35	Hitachi	ZW180-6 HL	3.7	20	70	16	40
Deere	644C	3	12	55	12	35	Hyundai	HL25	3.5	20	70	16	40
Doosan	DL200	2.6	12	50	12	35	Hyundai	HL740-7A	2.7	12	50	12	35
Doosan	DL200TC	2.6	12	50	12	35	Hyundai	HL740XTD-7A	2.7	12	50	12	35
Doosan	DL200-5	2.6	12	50	12	35	Hyundai	HL740TM-7A	2.6	12	50	12	35
Doosan	DL200-5 HL	2.6	12	50	12	35	Hyundai	HL740-9A	3	16	55	12	35
Doosan	DL200TC-5	2.6	12	50	12	35	Hyundai	HL740XTD-9A	3	16	60	12	35
Doosan	DL220-5	3	16	55	12	35	Hyundai	HL740TM-9A	3	16	60	12	35
Doosan	DL220-5 HL	3	16	55	12	35	Hyundai	HL750	3	16	55	12	35
Doosan	DL250	3.3	16	60	12	35	Hyundai	HL757-7A	2.7	16	55	12	35
Doosan	DL250TC	3.4	16	65	12	35	Hyundai	HL757XTD-7A	2.7	16	55	12	35
Doosan	DL250HL	3.4	16	60	12	35	Hyundai	HL757TM-7A	2.5	16	55	12	35
Doosan	DL250-5	3.3	16	60	12	35	Hyundai	HL757-9A	3.7	16	65	12	35
Doosan	DL250-5 HL	3.3	16	60	12	35	Hyundai	HL757XTD-9A	3.7	20	70	16	40
Doosan	DL250TC-5	3.3	16	60	12	35	Hyundai	HL757TM-9A	3.5	20	70	16	40
Doosan	DL280-5	3.7	20	65	12	40	Hyundai	HL760-9A	4.3	24	75	16	45
Doosan	DL280-5 HL	3.7	20	70	16	40	Hyundai	HL760XTD-9A	4.3	24	80	16	50
Dressta	520E	2.3	12	45	12	35	Hyundai	HL940	3	16	55	12	35
Fiattalis	FR130	3	16	55	12	35	Hyundai	HL940 XT	3	16	55	12	35
Fiattalis	FR130-2	3	16	55	12	35	Hyundai	HL955	3.1	16	60	12	35
Fiattalis	FR140	3	16	55	12	35	Hyundai	HL955 XTD	3.1	16	60	12	35
Fiattalis	FR140-2	3.25	16	55	12	35	Hyundai	HL960	3.8	20	75	16	45
Fiattalis	FR15	3	16	55	12	35	Hyundai	HL960 XT	3.8	20	75	16	45
Fiattalis	FR15B	3.1	16	60	12	35	JCB	417HT	2	12	40	12	35
Fiat Hitachi	W170 PL	3.9	20	65	12	40	JCB	417HT HL	2	12	40	12	35
Furukawa	FL150-I	2	12	40	12	35	JCB	417HT SHL	2	12	45	12	35
Furukawa	FL200-I	2.6	12	50	12	35	JCB	426HT	2.5	12	50	12	35
Furukawa	FL230-I	3.1	16	60	12	35	JCB	426HT	2.75	16	55	12	35
Hitachi	ZW140-5	3	12	50	12	35	JCB	426ZX	2.5	12	50	12	35
Hitachi	ZW140-5 HL	2.1	12	45	12	35	JCB	426ZX	2.75	12	50	12	35
Hitachi	ZW140-6	2.7	12	50	12	35	JCB	436HT	3.5	16	60	12	35
Hitachi	ZW140-6 HL	2.7	12	55	12	35	JCB	436ZX	3.5	16	65	12	35
Hitachi	ZW150	3	12	55	12	35	JCB	456HT	4.6	CT	CT	20	55
Hitachi	ZW150 HL	2.6	12	50	12	35	Kawasaki	62Z7	2.75	12	50	12	35
Hitachi	ZW150-5	3.3	16	55	12	35	Kawasaki	62Z7 HL	2.75	12	50	12	35
Hitachi	ZW150-5 HL	2.6	12	50	12	35	Kawasaki	65ZV-2	3	12	50	12	35
Hitachi	ZW150-6	3.1	12	55	12	35	Kawasaki	65TMV-2	2.5	12	50	12	35
Hitachi	ZW150-6 HL	3.1	16	55	12	35	Kawasaki	67Z7	3.1	12	55	12	35
Hitachi	ZW150PL-6	2.7	12	50	12	35	Kawasaki	67Z7 HL	3.1	16	55	12	35
Hitachi	ZW180	3.6	16	60	12	35	Kawasaki	70Z	3	16	55	12	35
Hitachi	ZW180 HL	3.1	16	60	12	35	Kawasaki	70ZII	3	16	55	12	35
Hitachi	ZW180-5	3.7	16	65	12	35	Kawasaki	70ZIII	3.25	16	55	12	35

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## 20.5-25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: &lt;250 ft, &lt; 5 mph

\*This excludes HK 458, see pages 87-89 for HK 458 pressures



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Kawasaki	70ZIV	3.25	16	55	12	35
Kawasaki	70ZIV-2	3.5	16	60	12	35
Kawasaki	70ZV-2	3.5	16	55	12	35
Kawasaki	70TMV-2	3.4	20	65	12	40
Kawasaki	70Z7	3.7	16	65	12	35
Kawasaki	70Z7 HL	3.7	20	70	16	40
Kawasaki	80ZV-2	4.2	20	75	16	45
Komatsu	WA200-5	2.6	12	45	12	35
Komatsu	WA200-6	2.6	12	45	12	35
Komatsu	WA200PZ-6	2.5	12	50	12	35
Komatsu	WA200-7	2.6	12	50	12	35
Komatsu	WA200-8	2.6	12	50	12	35
Komatsu	WA250-1	3	12	50	12	35
Komatsu	WA250-3	3.5	16	55	12	35
Komatsu	WA250-3 PTC	3	16	55	12	35
Komatsu	WA250-5	3	12	50	12	35
Komatsu	WA250-6	3	12	50	12	35
Komatsu	WA250PZ-6	3	16	55	12	35
Komatsu	WA270-7	3	16	55	12	35
Komatsu	WA270-8	3	16	55	12	35
Komatsu	WA320-1	3.25	16	55	12	35
Komatsu	WA320-3	4.2	20	65	12	40
Komatsu	WA320-6	3.7	16	60	12	35
Komatsu	WA320PZ-6	3.5	20	65	12	40
Komatsu	WA320-7	3.7	20	65	12	40
Komatsu	WA320-8	3.7	20	65	16	40
Komatsu Dresser	520CH	2.5	12	45	12	35
Komatsu Dresser	525	2.7	12	50	12	35
Komatsu Dresser	530	3	16	55	12	35
Komatsu Dresser	530C	3	16	55	12	35
Komatsu Dresser	532	3.2	16	60	12	35
Liebherr	L538 Z-bar	3.4	16	55	12	35
Liebherr	L538	3	16	55	12	35
Liebherr	L538 HL	3	16	60	12	35
Liebherr	L542 Z-bar	3.7	16	65	12	35
Liebherr	L542	3.3	16	60	12	35
Liebherr	L542 HL	3.3	16	65	12	35
Liebherr	L546 Z-bar	3.6	16	60	12	35
Liebherr	L546	3.25	16	60	12	35
Liebherr	L546 HL	3.25	16	65	12	35
New Holland	W170B	3	16	55	12	35

Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
New Holland	W170B TC/LR	3	16	55	12	35
Terex	55C	3	16	55	12	35
Terex	TL210	4.6	20	70	16	45
Terex	TL260	5.9	CT	CT	20	55
Volvo	L60F	2.7	12	50	12	35
Volvo	L60G	2.75	12	50	12	35
Volvo	L60H	2.75	12	50	12	35
Volvo	L70B	2.1	12	45	12	35
Volvo	L70C	2.5	12	45	12	35
Volvo	L70D	2.5	12	45	12	35
Volvo	L70F	3	16	55	12	35
Volvo	L70G	3	16	55	12	35
Volvo	L70H	3	16	55	12	35
Volvo	L90B	3	16	55	12	35
Volvo	L90C	3.5	16	65	12	35
Volvo	L90D	3.5	20	65	12	40
Volvo	L90E	3.25	16	60	12	35
Volvo	L90F	3.5	20	65	12	40
Volvo	L90G	3.25	16	60	12	35
Volvo	L90H	3.25	16	60	12	35

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services  
HL - High Lift, extended booms, etc.



# TITAN HK 458 20.5-25 LOADER USAGE CHART

For Standard Loader Service: < 250 ft, < 5 mph

Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	IT38F	3.25	12	40	12	35
Caterpillar	IT38G	2.75	12	40	12	35
Caterpillar	IT38G	3.5	12	40	12	35
Caterpillar	IT38H	3.3	12	45	12	35
Caterpillar	924G	2.3	12	35	12	35
Caterpillar	924H	2.4	12	35	12	35
Caterpillar	924K	2.5	12	40	12	35
Caterpillar	924K	3.3	12	45	12	35
Caterpillar	924K	4.6	12	50	12	35
Caterpillar	924K	6.5	16	55	12	35
Caterpillar	926M	4	12	45	12	35
Caterpillar	926M	6.5	16	55	12	35
Caterpillar	928HZ	2.6	12	35	12	35
Caterpillar	930H	2.7	12	40	12	35
Caterpillar	930K	2.75	12	40	12	35
Caterpillar	930K	3.5	12	45	12	35
Caterpillar	930K	4.6	12	50	12	35
Caterpillar	930K	6.5	16	55	12	35
Caterpillar	930M	2.75	12	40	12	35
Caterpillar	930M	2.7	12	40	12	35
Caterpillar	930M	3.5	12	45	12	35
Caterpillar	930M	4	12	50	12	35
Caterpillar	930M	6.5	16	60	12	35
Caterpillar	936F TC	3	12	40	12	35
Caterpillar	938F	3.25	12	40	12	35
Caterpillar	938G	3.25	12	40	12	35
Caterpillar	938H	3.65	12	45	12	35
Caterpillar	938K	3.3	12	45	12	35
Caterpillar	938K	4.2	12	50	12	35
Caterpillar	938K	4.6	12	50	12	35
Caterpillar	938K	6.5	16	60	12	35
Caterpillar	938M	3.2	12	45	12	35
Caterpillar	938M	4	12	50	12	35
Caterpillar	938M	4.2	12	50	12	35
Caterpillar	938M	6.5	16	60	12	35
Caterpillar	938M HL	3.2	12	45	12	35
Caterpillar	950B	3.75	12	50	12	35
Caterpillar	950F	4	12	50	12	35
Case	521G Z-Bar	2.1	12	35	12	35
Case	521G Z-Bar	2	12	35	12	35
Case	521G Z-Bar	2.3	12	35	12	35
Case	521G XR	2.1	12	35	12	35
Case	521G XR	2	12	35	12	35
Case	521G XR	2.3	12	35	12	35
Case	521G XT	2.1	12	35	12	35

Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Case	521G XT	2	12	35	12	35
Case	621B	2.25	12	35	12	35
Case	621B	3	12	35	12	35
Case	621B XT	2.25	12	40	12	35
Case	621D	2.5	12	35	12	35
Case	621E	3	12	40	12	35
Case	621E XT	3	12	40	12	35
Case	621E XR	3	12	40	12	35
Case	621G Z-Bar	2.5	12	35	12	35
Case	621G Z-Bar	2.4	12	35	12	35
Case	621G Z-Bar	2.75	12	40	12	35
Case	621G XR	2.5	12	40	12	35
Case	621G XR	2.4	12	35	12	35
Case	621G XR	2.75	12	40	12	35
Case	621G XT	2.5	12	40	12	35
Case	621G XT	2.4	12	40	12	35
Case	621G XT	3	12	40	12	35
Case	621G XT	2.8	12	40	12	35
Case	621G XT	2.8	12	40	12	35
Case	721	2.75	12	35	12	35
Case	721B	2.75	12	35	12	35
Case	721B XT	2.75	12	40	12	35
Case	721C	2.75	12	40	12	35
Case	721E	3.5	12	40	12	35
Case	721E XT	3	12	40	12	35
Case	721E XR	3	12	40	12	35
Case	721F	3	12	40	12	35
Case	721F XT	3	12	40	12	35
Case	721F XR	3	12	40	12	35
Case	721G Z-Bar	3	12	40	12	35
Case	721G Z-Bar	2.8	12	40	12	35
Case	721G Z-Bar	3.25	12	40	12	35
Case	721G XR	3	12	40	12	35
Case	721G XR	2.8	12	40	12	35
Case	721G XR	3.25	12	45	12	35
Case	721G XT	3	12	45	12	35
Case	721G XT	2.8	12	40	12	35
Case	W30	3.5	12	40	12	35
Deere	444K Z-bar	2.5	12	35	12	35
Deere	444K HL	2.5	12	35	12	35
Deere	444K Powerllel	2.5	12	40	12	35
Deere	524K Z-bar	2.75	12	35	12	35
Deere	524K HL	2.75	12	40	12	35
Deere	524L	2.75	12	40	12	35

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## TITAN HK 458 20.5-25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: < 250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Deere	524L HL	2.75	12	40	12	35
Deere	544H	3	12	40	12	35
Deere	544H-HL	3	12	40	12	35
Deere	544J	3	12	40	12	35
Deere	544J-HL	3	12	40	12	35
Deere	544K	3	12	40	12	35
Deere	544K-HL	3	12	40	12	35
Deere	544L	3	12	40	12	35
Deere	544L HL	2.75	12	40	12	35
Deere	624E	2.6	12	40	12	35
Deere	624G	3.25	12	40	12	35
Deere	624H	3.5	12	40	12	35
Deere	624H-HL	3	12	40	12	35
Deere	624K	3.5	12	45	12	35
Deere	624K-HL	3.5	12	45	12	35
Deere	624L	3.5	12	45	12	35
Deere	624L HL	3.5	12	45	12	35
Deere	644B	2.5	12	35	12	35
Deere	644C	3	12	40	12	35
Hitachi	ZW140-5	3	12	35	12	35
Hitachi	ZW140-5 HL	2.1	12	35	12	35
Hitachi	ZW140-6	2.7	12	35	12	35
Hitachi	ZW140-6 HL	2.7	12	40	12	35
Hitachi	ZW150	3	12	35	12	35
Hitachi	ZW150 HL	2.6	12	40	12	35
Hitachi	ZW150-5	3.3	12	40	12	35
Hitachi	ZW150-5 HL	2.6	12	35	12	35
Hitachi	ZW150-6	3.1	12	40	12	35
Hitachi	ZW150-6 HL	3.1	12	40	12	35
Hitachi	ZW150PL-6	2.7	12	35	12	35
Hitachi	ZW180	3.6	12	45	12	35
Hitachi	ZW180 HL	3.1	12	45	12	35
Hitachi	ZW180-5	3.7	12	45	12	35
Hitachi	ZW180-5 HL	3.1	12	45	12	35
Hitachi	ZW180-6	3.7	12	45	12	35
Hitachi	ZW180-6 HL	3.7	12	45	12	35
Hyundai	HL25	3.5	12	50	12	35
Hyundai	HL740-7A	2.7	12	35	12	35
Hyundai	HL740XTD-7A	2.7	12	35	12	35
Hyundai	HL740TM-7A	2.6	12	35	12	35
Hyundai	HL740-9A	3	12	40	12	35
Hyundai	HL740XTD-9A	3	12	40	12	35
Hyundai	HL740TM-9A	3	12	40	12	35
Hyundai	HL750	3	12	40	12	35
Hyundai	HL757-7A	2.7	12	40	12	35
Hyundai	HL757XTD-7A	2.7	12	40	12	35
Hyundai	HL757TM-7A	2.5	12	40	12	35

Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Hyundai	HL757-9A	3.7	12	45	12	35
Hyundai	HL757XTD-9A	3.7	12	45	12	35
Hyundai	HL757TM-9A	3.5	12	45	12	35
Hyundai	HL760-9A	4.3	12	50	12	35
Hyundai	HL760XTD-9A	4.3	12	55	12	35
Hyundai	HL940	3	12	40	12	35
Hyundai	HL940 XT	3	12	40	12	35
Hyundai	HL955	3.1	12	45	12	35
Hyundai	HL955 XTD	3.1	12	45	12	35
Hyundai	HL960	3.8	12	50	12	35
Hyundai	HL960 XT	3.8	12	50	12	35
Komatsu	WA200-5	2.6	12	35	12	35
Komatsu	WA200-6	2.6	12	35	12	35
Komatsu	WA200PZ-6	2.5	12	35	12	35
Komatsu	WA200-7	2.6	12	35	12	35
Komatsu	WA200-8	2.6	12	35	12	35
Komatsu	WA250-1	3	12	35	12	35
Komatsu	WA250-3	3.5	12	35	12	35
Komatsu	WA250-3 PTC	3	12	35	12	35
Komatsu	WA250-5	3	12	35	12	35
Komatsu	WA250-6	3	12	35	12	35
Komatsu	WA250PZ-6	3	12	40	12	35
Komatsu	WA270-7	3	12	40	12	35
Komatsu	WA270-8	3	12	40	12	35
Komatsu	WA320-1	3.25	12	40	12	35
Komatsu	WA320-3	4.2	12	45	12	35
Komatsu	WA320-6	3.7	12	45	12	35
Komatsu	WA320PZ-6	3.5	12	45	12	35
Komatsu	WA320-7	3.7	12	45	12	35
Komatsu	WA320-8	3.7	12	45	12	35
Komatsu Dresser	520CH	2.5	12	35	12	35
Komatsu Dresser	525	2.7	12	35	12	35
Komatsu Dresser	530	3	12	40	12	35
Komatsu Dresser	530C	3	12	40	12	35
Komatsu Dresser	532	3.2	12	40	12	35

### For service under chains, or load and carry operations, contact Titan Technical Services.

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services  
HL - High Lift, extended booms, etc.

### 23.5-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

\*This excludes HK 458, see pages 91-92 for HK 458 pressures



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)	Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	924K	2.5	12	45	12	35	Case	921G Z-Bar	3.8	20	65	16	40
Caterpillar	926M	2.5	12	45	12	35	Case	921G Z-Bar	4	20	60	16	35
Caterpillar	930K	2.75	12	45	12	35	Case	921G Z-Bar	4.6	20	65	16	35
Caterpillar	930M	2.75	12	45	12	35	Case	W36	4	16	55	12	35
Caterpillar	938K	3.25	16	50	12	35	Daewoo	Mega 300	3.8	16	55	12	35
Caterpillar	938M	3.25	16	55	12	35	Daewoo	Mega 300-III	2.9	12	50	12	35
Caterpillar	950F TC	4	16	60	12	35	Deere	644D	3.2	12	50	12	35
Caterpillar	950E	4	16	60	12	35	Deere	644E	3.2	12	50	12	35
Caterpillar	950F-II	4	20	60	12	35	Deere	644G	4	16	55	12	35
Caterpillar	950G	3.9	16	60	12	35	Deere	644H	4.25	16	55	12	35
Caterpillar	950GC	4	20	60	12	35	Deere	644H-HL	4.25	20	60	12	35
Caterpillar	950G -II	2.7	12	50	12	35	Deere	644H-MH	4.5	20	60	12	35
Caterpillar	950H	4	20	60	12	35	Deere	644H-WH	6	24	75	16	45
Caterpillar	950K	3.5	16	55	12	35	Deere	644K	4.25	20	60	12	35
Caterpillar	950L	7.5	16	60	12	35	Deere	644K-HL	4.25	20	65	16	35
Caterpillar	950M	4.5	20	65	16	40	Deere	644K-WH	5	24	70	16	45
Caterpillar	960F	4.5	20	65	16	40	Deere	724J	4.75	20	65	16	35
Caterpillar	962G	4.25	20	65	16	35	Deere	724J-HL	4.25	20	60	16	35
Caterpillar	962H	4.5	20	65	16	40	Deere	724K	4.75	20	65	16	35
Caterpillar	962K	3.5	16	60	12	35	Deere	724K-HL	4.25	20	65	16	35
Caterpillar	962L	3.9	20	60	12	35	Doosan	DL300	4.2	16	60	12	35
Caterpillar	962M	4.7	24	70	16	40	Doosan	DL300-5	4.2	20	60	12	35
Caterpillar	966C	4	20	60	12	35	Doosan	DL300-5 HL	4.2	20	65	16	40
Caterpillar	966D	4.25	20	65	16	40	Doosan	DL350-5	4.8	20	65	16	40
Caterpillar	966F	5	24	70	16	45	Doosan	DL350-5 HL	4.8	24	70	16	45
Caterpillar	IT62H	4.25	20	65	16	35	Fiattalis	FR160	3.6	16	50	12	35
Case	821	3.5	12	50	12	35	Fiattalis	FR160-2	4	16	55	12	35
Case	821B	3.5	16	50	12	35	Fiattalis	FR180	4	16	55	12	35
Case	821C	3.5	16	55	12	35	Fiattalis	FR180-2	4	16	55	12	35
Case	821E	4.5	20	60	12	35	Fiattalis	FR20	4.5	20	65	16	35
Case	821E XR	4.5	20	65	16	35	Fiattalis	FR20B	4.6	20	65	16	40
Case	821F	3.5	16	55	12	35	Fiat Hitachi	W190	3.3	12	50	12	35
Case	821F XR	3.5	16	55	12	35	Fiat Hitachi	W230	4.6	20	65	16	35
Case	821G XR	3.2	20	60	12	35	Fiat Hitachi	FR160-2	4	16	55	12	35
Case	821G XR	3.5	16	55	12	35	Hitachi	ZW180-6	3.7	16	50	12	35
Case	821G XR	4.25	20	65	16	35	Hitachi	ZW180-6 HL	3.7	16	55	12	35
Case	821G Z-Bar	3.2	16	50	12	35	Hitachi	ZW220	4.2	16	60	12	35
Case	821G Z-Bar	3.5	16	55	12	35	Hitachi	ZW220 HL	3.5	16	55	12	35
Case	821G Z-Bar	4.25	20	60	12	35	Hitachi	ZW220-5	4.5	20	60	12	35
Case	921F	4.75	20	65	16	35	Hitachi	ZW220-5 HL	3.5	16	55	12	35
Case	921F XR	4.75	24	70	16	40	Hitachi	ZW220-6	4.2	16	60	12	35
Case	921G XR	3.8	20	60	16	35	Hitachi	ZW220-6 HL	4.2	20	60	12	35
Case	921G XR	4	20	65	16	40	Hitachi	ZW250	4.5	20	65	16	35
Case	921G XR	4.6	24	70	16	40	Hitachi	ZW250 HL	4	20	65	16	35

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## 23.5-25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: &lt;250 ft, &lt; 5 mph

\*This excludes HK 458, see pages 91-92 for HK 458 pressures



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Hitachi	ZW250-5	5.2	24	70	16	40
Hitachi	ZW250-5 HL	4	20	65	16	35
Hitachi	ZW250-6	4.8	24	65	16	40
Hitachi	ZW250-6 HL	4.8	24	70	16	45
Hyundai	HL35	4.8	24	70	16	40
Hyundai	HL760	4	20	60	12	35
Hyundai	HL760-7A	4	16	60	12	35
Hyundai	HL760-XTD-7A	4	20	60	12	35
Hyundai	HL760-9	4.3	20	60	12	35
Hyundai	HL760XTD-9	4.3	20	65	16	35
Hyundai	HL760-9A	4.3	20	60	12	35
Hyundai	HL760XTD-9A	4.3	20	65	16	35
Hyundai	HL770-7	5.2	24	75	20	45
Hyundai	HL770-XTD-7	5.2	CT	CT	20	45
Hyundai	HL770-7A	4	20	65	16	35
Hyundai	HL770-XTD-7A	4	24	70	16	40
Hyundai	HL770-9	5.5	24	75	20	45
Hyundai	HL770XTD-9	5.5	CT	CT	20	50
Hyundai	HL770-9A	5.5	24	80	20	45
Hyundai	HL770XTD-9A	5.5	CT	CT	20	50
Hyundai	HL960	3.8	16	60	12	35
Hyundai	HL960 XT	3.8	16	60	12	35
Hyundai	HL970	4.7	24	70	16	40
Hyundai	HL970 XTD	4.7	24	75	20	45
JCB	456ZX	4.3	20	60	16	35
JCB	457HT	4.1	20	60	12	35
JCB	457HT SHL	4.1	24	70	16	45
JCB	457ZX	4.1	20	60	12	35
JCB	457ZX HL	4.1	20	65	16	40
Kawasaki	70ZV-2	3.5	16	50	12	35
Kawasaki	70ZV-2 HL	3.5	16	55	12	35
Kawasaki	70TMV-2	3.4	16	55	12	35
Kawasaki	70Z7	3.7	16	50	12	35
Kawasaki	70Z7 HL	3.7	16	55	12	35
Kawasaki	80Z	3.75	16	55	12	35
Kawasaki	80ZII	3.75	16	55	12	35
Kawasaki	80ZIII	3.75	16	55	12	35
Kawasaki	80ZIV	3.75	16	55	12	35
Kawasaki	80ZIV-2	4	16	55	12	35
Kawasaki	80ZV-2	4.2	20	60	12	35
Kawasaki	80Z7	4.2	16	60	12	35
Kawasaki	80Z7 HL	4.2	20	60	12	35
Kawasaki	85Z7	4.8	20	65	16	40
Kawasaki	85Z7 HL	4.8	24	70	16	45
Kawasaki	90Z7	5.5	CT	CT	20	50
Kawasaki	90Z7 HL	5.5	CT	CT	20	50

Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Kawasaki	90Z7B	5.5	CT	CT	20	45
Kawasaki	90Z7B HL	5.5	CT	CT	20	50
Komatsu	WA380-3	5.25	20	65	16	40
Komatsu	WA380-6	4.3	16	60	12	35
Komatsu	WA380-7	4.3	20	60	12	35
Komatsu	WA380-7 HL	3.8	16	55	12	35
Komatsu	WA380-8	4.3	20	60	12	35
Komatsu	WA380-8 HL	3.8	20	60	12	35
Komatsu	WA430-6	4.6	20	65	16	35
Komatsu Dresser	538	4	20	60	12	35
Komatsu Dresser	540	4.5	20	60	12	35
Liebherr	L550	4.2	16	60	12	35
Liebherr	L550 HL	3.4	16	55	12	35
Liebherr	L550XP	4.2	20	60	12	35
Liebherr	L550XP HL	3.4	16	60	12	35
Liebherr	L556	4.7	20	60	12	35
Liebherr	L556 HL	3.7	20	60	12	35
Liebherr	L556XP	4.7	20	65	16	40
Liebherr	L556XP HL	3.7	20	60	12	35
New Holland	W190B	3.44	16	50	12	35
New Holland	W190B LR	3.44	16	55	12	35
Terex	66C	4	20	60	16	35
Terex	70C	4.4	20	60	16	35
Terex	TL310	4	16	60	12	35
Volvo	L110F	4.4	20	65	16	35
Volvo	L110G	4.5	20	65	16	35
Volvo	L110H	4	16	60	12	35
Volvo	L120B	3.9	16	55	12	35
Volvo	L120C	4.7	20	65	16	35
Volvo	L120D	4.7	20	65	16	40
Volvo	L120F	4.7	24	65	16	40
Volvo	L120G	4.5	20	65	16	35
Volvo	L120H	4.25	20	60	12	35
Volvo	L150	4.5	24	70	16	40
Volvo	L150C	5.2	24	70	16	45
Volvo	L150D	5.2	24	75	20	45

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services  
HL - High Lift, extended booms, etc.

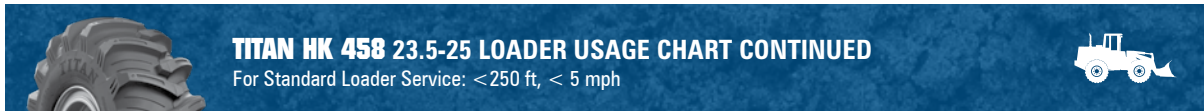
# TITAN HK 458 23.5-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	924K	2.5	12	35	12	35
Caterpillar	926M	2.5	12	35	12	35
Caterpillar	930K	2.75	12	35	12	35
Caterpillar	930M	2.75	12	35	12	35
Caterpillar	938K	3.25	12	40	12	35
Caterpillar	938M	3.25	12	40	12	35
Caterpillar	950F TC	4	12	40	12	35
Caterpillar	950E	4	12	40	12	35
Caterpillar	950F-II	4	12	40	12	35
Caterpillar	950G	3.9	12	45	12	35
Caterpillar	950GC	4	12	45	12	35
Caterpillar	950G -II	2.7	12	35	12	35
Caterpillar	950H	4	12	40	12	35
Caterpillar	950K	3.5	12	40	12	35
Caterpillar	950M	4.5	12	45	12	35
Caterpillar	960F	4.5	12	45	12	35
Caterpillar	962G	4.25	12	45	12	35
Caterpillar	962H	4.5	12	45	12	35
Caterpillar	962K	3.5	12	45	12	35
Caterpillar	962M	4.7	12	45	12	35
Caterpillar	966C	4	12	45	12	35
Caterpillar	966D	4.25	12	45	12	35
Caterpillar	IT62H	4.25	12	45	12	35
Case	821	3.5	12	35	12	35
Case	821B	3.5	12	40	12	35
Case	821C	3.5	12	40	12	35
Case	821E	4.5	12	40	12	35
Case	821E XR	4.5	12	45	12	35
Case	821F	3.5	12	40	12	35
Case	821F XR	3.5	12	40	12	35
Case	821G XR	3.2	12	45	12	35
Case	821G XR	3.5	12	40	12	35
Case	821G XR	4.25	12	45	12	35
Case	821G Z-Bar	3.2	12	40	12	35
Case	821G Z-Bar	3.5	12	40	12	35
Case	821G Z-Bar	4.25	12	40	12	35
Case	921F	4.75	12	45	12	35
Case	921F XR	4.75	12	45	12	35
Case	921G XR	3.8	12	45	12	35
Case	921G XR	4	12	45	12	35
Case	921G XR	4.6	12	45	12	35
Case	921G Z-Bar	3.8	12	45	12	35
Case	921G Z-Bar	4	12	45	12	35
Case	921G Z-Bar	4.6	12	45	12	35

Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Case	W36	4	12	40	12	35
Deere	644D	3.2	12	35	12	35
Deere	644E	3.2	12	35	12	35
Deere	644G	4	12	40	12	35
Deere	644H	4.25	12	40	12	35
Deere	644H-HL	4.25	12	40	12	35
Deere	644H-MH	4.5	12	40	12	35
Deere	644H-WH	6	12	45	12	35
Deere	644K	4.25	12	40	12	35
Deere	644K-HL	4.25	12	45	12	35
Deere	644K-WH	5	12	50	12	35
Deere	724J	4.75	12	45	12	35
Deere	724J-HL	4.25	12	45	12	35
Deere	724K	4.75	12	45	12	35
Deere	724K-HL	4.25	12	45	12	35
Hitachi	ZW180-6	3.7	12	40	12	35
Hitachi	ZW180-6 HL	3.7	12	40	12	35
Hitachi	ZW220	4.2	12	40	12	35
Hitachi	ZW220 HL	3.5	12	40	12	35
Hitachi	ZW220-5	4.5	12	45	12	35
Hitachi	ZW220-5 HL	3.5	12	40	12	35
Hitachi	ZW220-6	4.2	12	40	12	35
Hitachi	ZW220-6 HL	4.2	12	45	12	35
Hitachi	ZW250	4.5	12	45	12	35
Hitachi	ZW250 HL	4	12	45	12	35
Hitachi	ZW250-5	5.2	12	45	12	35
Hitachi	ZW250-5 HL	4	12	45	12	35
Hitachi	ZW250-6	4.8	12	45	12	35
Hitachi	ZW250-6 HL	4.8	12	50	12	35
Hyundai	HL35	4.8	12	50	12	35
Hyundai	HL760	4	12	45	12	35
Hyundai	HL760-7A	4	12	40	12	35
Hyundai	HL760-XTD-7A	4	12	45	12	35
Hyundai	HL760-9	4.3	12	40	12	35
Hyundai	HL760XTD-9	4.3	12	45	12	35
Hyundai	HL760-9A	4.3	12	45	12	35
Hyundai	HL760XTD-9A	4.3	12	45	12	35
Hyundai	HL770-7	5.2	12	50	12	35
Hyundai	HL770-XTD-7	5.2	16	50	12	35
Hyundai	HL770-7A	4	12	45	12	35
Hyundai	HL770-XTD-7A	4	12	50	12	35
Hyundai	HL770-9	5.5	16	50	12	35
Hyundai	HL770XTD-9	5.5	16	55	12	35
Hyundai	HL770-9A	5.5	16	50	12	35

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Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Hyundai	HL770XTD-9A	5.5	16	55	12	35
Hyundai	HL960	3.8	12	40	12	35
Hyundai	HL960 XT	3.8	12	40	12	35
Hyundai	HL970	4.7	12	50	12	35
Hyundai	HL970 XTD	4.7	16	50	12	35
Komatsu	WA380-3	5.25	12	45	12	35
Komatsu	WA380-6	4.3	12	40	12	35
Komatsu	WA380-7	4.3	12	40	12	35
Komatsu	WA380-7 HL	3.8	12	40	12	35
Komatsu	WA380-8	4.3	12	40	12	35
Komatsu	WA380-8 HL	3.8	12	45	12	35
Komatsu	WA430-6	4.6	12	45	12	35
Volvo	L150D	5.2	24	75	20	45

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services  
HL - High Lift, extended booms, etc.

## 26.5-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)	Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	966E	5	20	60	20	35	Deere	744H-MH	5.75	20	70	20	40
Caterpillar	966F	5	20	60	20	35	Deere	744J	5.25	20	65	20	40
Caterpillar	966F-II	5	20	60	20	35	Deere	744J HL	5.25	26	70	20	40
Caterpillar	966G	4.75	20	65	20	35	Deere	744K	5.25	20	65	20	35
Caterpillar	966H	5.5	20	65	20	40	Deere	744K-HL	5.25	20	70	20	40
Caterpillar	966H	5.75	20	65	20	40	Deere	744K-II	5.25	20	65	20	40
Caterpillar	966K	5.5	20	70	20	40	Deere	744K-II HL	5.25	26	70	20	40
Caterpillar	966L	5.5	20	65	20	40	Deere	744L	5.25	20	65	20	40
Caterpillar	966M	5.5	20	65	20	40	Deere	744L HL	5.25	26	70	20	40
Caterpillar	966M XE	5.5	20	65	20	40	Deere	824J	6	26	75	20	45
Caterpillar	970F	5.25	20	65	20	40	Deere	824J HL	5.25	26	70	20	45
Caterpillar	972G	5.4	20	65	20	40	Deere	824K	6	26	70	20	45
Caterpillar	972H	6	26	70	20	40	Deere	824K-HL	6	26	75	20	45
Caterpillar	972K	5.5	20	70	20	40	Deere	824K-II	6	26	75	20	45
Caterpillar	972L	5.5	20	70	20	40	Deere	824K-II HL	6	26	75	20	45
Caterpillar	972M	6	20	65	20	40	Deere	824L	6	26	75	20	45
Caterpillar	972M XE	6	26	70	20	40	Deere	824L HL	6	32	80	20	50
Case	921	4.75	20	60	20	35	Deere	844	6	26	70	20	40
Case	921B	4.75	20	60	20	35	Doosan	DL400	5.1	20	60	20	35
Case	921C	4.75	20	60	20	35	Doosan	DL420-5	5.5	20	65	20	35
Case	921E	5.75	20	65	20	35	Doosan	DL420-5 HL	5.5	26	70	20	40
Case	921E XR	5.75	26	70	20	40	Doosan	DL450	6.3	26	75	20	45
Case	921F	4.75	20	55	20	35	Doosan	DL450-3	5.88	26	70	20	40
Case	921F XR	4.75	20	60	20	35	Doosan	DL450-5	6.3	26	75	20	45
Case	1021G Z-Bar	4.75	20	65	20	35	Doosan	DL450-5 HL	6.3	26	75	20	45
Case	1021G Z-Bar	4.6	20	60	20	35	Fiattallis	FR220	5.1	20	60	20	35
Case	1021G Z-Bar	5.5	20	70	20	40	Fiattallis	FR220-2	5	20	60	20	35
Case	1021G XR	4.75	20	65	20	40	Fiat Hitachi	W270	5.2	20	60	20	35
Case	1021G XR	4.6	20	65	20	40	Fiat Hitachi	FR220-2	5	20	60	20	35
Case	1021G XR	5.5	26	75	20	45	Furukawa	FL330-I	4.3	20	55	20	35
Case	1121F Z-bar	5.25	20	65	20	40	Hitachi	ZW250-6	4.8	20	60	20	35
Case	1121F Z-bar	6.25	26	75	20	45	Hitachi	ZW250-6 HL	4.8	20	60	20	35
Case	1121F XR	5.25	26	70	20	40	Hitachi	ZW310	5.25	20	60	20	35
Case	1121F XR	6.25	32	80	20	50	Hitachi	ZW310 HL	4.75	20	60	20	35
Case	1121G Z-Bar	5.25	26	70	20	40	Hitachi	ZW310-5	5.9	26	70	20	40
Case	1121G Z-Bar	5.1	20	70	20	40	Hitachi	ZW310-5 HL	5.25	20	70	20	40
Case	1121G Z-Bar	6.25	26	75	20	45	Hitachi	ZW310-6	5.5	20	65	20	40
Case	1121G XR	5.25	26	70	20	45	Hitachi	ZW310-6 HL	5.5	26	70	20	40
Case	1121G XR	5.1	26	70	20	40	Hitachi	ZW330-5	6.5	26	75	20	45
Case	1121G XR	6.25	32	80	20	50	Hitachi	ZW330-5 HL	6	26	75	20	45
Daewoo	Mega 400	5.1	20	60	20	35	Hyundai	HL770	5	20	65	20	35
Daewoo	Mega 400-III	3.9	20	55	20	35	Hyundai	HL770-7	5.2	20	65	20	35
Deere	744E	5	20	60	20	35	Hyundai	HL770XTD-7	5.2	20	65	20	40
Deere	744H	5.25	20	60	20	35	Hyundai	HL770-7A	5.2	20	65	20	35
Deere	744H-HL	4.5	20	60	20	35	Hyundai	HL770XTD-7A	5.2	20	65	20	40

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## 26.5-25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: &lt;250 ft, &lt; 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Hyundai	HL770-9	5.5	20	65	20	40
Hyundai	HL770XTD-9	5.5	20	70	20	40
Hyundai	HL770-9A	5.5	20	65	20	40
Hyundai	HL770XTD-9A	5.5	26	70	20	40
Hyundai	HL780-7A	6.7	32	80	20	50
Hyundai	HL780XTD-7A	6.7	32	85	20	50
Hyundai	HL780-9	7.1	32	85	20	50
Hyundai	HL780XTD-9	7.1	32	85	26	55
Hyundai	HL780-9A	7.1	32	85	20	50
Hyundai	HL780XTD-9A	7.1	32	90	26	55
Hyundai	HL970	4.7	20	60	20	35
Hyundai	HL970 XTD	4.7	20	65	20	35
Hyundai	HL980	6.3	32	80	20	50
Hyundai	HL980 XTD	6.3	32	80	20	50
Kawasaki	85Z	4.2	20	55	20	35
Kawasaki	85ZII	4.2	20	55	20	35
Kawasaki	85ZIII	4.3	20	55	20	35
Kawasaki	85ZIV	4.3	20	55	20	35
Kawasaki	85ZIV-2	4.75	20	60	20	35
Kawasaki	85ZV-2	4.8	20	60	20	35
Kawasaki	85Z7	4.8	20	60	20	35
Kawasaki	85Z7 HL	4.8	20	60	20	35
Kawasaki	90ZIII	5	20	60	20	35
Kawasaki	90ZIV	5	20	60	20	35
Kawasaki	90ZIV-2	5.5	20	65	20	40
Kawasaki	90ZV	5.2	20	65	20	35
Kawasaki	90ZV	4.25	20	55	20	35
Kawasaki	90ZV-2	5.2	20	65	20	35
Kawasaki	90Z7	5.5	20	65	20	40
Kawasaki	90Z7 HL	5.5	26	70	20	40
Kawasaki	90Z7B	5.5	20	65	20	40
Kawasaki	90Z7B HL	5.5	26	70	20	40
Kawasaki	92ZV-2	6	26	70	20	45
Kawasaki	92Z7	6.3	26	75	20	45
Kawasaki	92Z7 HL	6.3	32	80	20	50
Kawasaki	95ZV-2	7	32	90	26	55
Komatsu	WA420-1	4.75	20	55	20	35
Komatsu	WA420-3	6	20	65	20	35
Komatsu	WA430-6	4.6	20	55	20	35
Komatsu	WA450-2	5.5	20	65	20	35
Komatsu	WA450-3	6.8	26	70	20	45
Komatsu	WA470-6	5.5	20	65	20	35
Komatsu	WA470-7	5.5	20	65	20	35
Komatsu	WA470-8	5	20	65	20	40
Komatsu	WA470-8 HL	5	20	65	20	40
Komatsu	WA480-6	5.4	20	65	20	40

Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Komatsu	WA480-8	6	26	70	20	45
Komatsu Dresser	542	4.75	20	60	20	35
Komatsu Dresser	545	5.5	26	70	20	40
Komatsu Dresser	550	5.25	20	65	20	35
Liebherr	L566	5.2	20	65	20	35
Liebherr	L566 HL	4.6	20	60	20	35
Liebherr	L566 XP	5.5	20	70	20	40
Liebherr	L576	6.15	26	70	20	45
Liebherr	L576 HL	5.5	26	70	20	40
Liebherr	L580	6.5	26	70	20	45
Liebherr	L580 HL	5.9	26	70	20	40
Liebherr	L580 XP	6.8	32	80	20	50
Terex	80C	5.5	26	70	20	40
Volvo	L150C	5.2	20	60	20	35
Volvo	L150D	5.2	20	65	20	40
Volvo	L150F	5.8	26	70	20	40
Volvo	L150G	6.8	26	75	20	45
Volvo	L150H	5.25	20	65	20	35
Volvo	L180	5.5	20	65	20	40
Volvo	L180C	6	26	70	20	40
Volvo	L180D	6.3	26	75	20	45
Volvo	L180F	6.3	26	75	20	45
Volvo	L180G	7.6	32	85	20	50
Volvo	L180H	5.75	26	75	20	45
Volvo	L190	5.2	20	70	20	40
Volvo	L190B	5.2	20	70	20	40

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services  
HL - High Lift, extended booms, etc.



## 29.5-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	980C	6.75	28	75	28	45
Caterpillar	980F	7	28	75	28	45
Caterpillar	980F-II	7	28	75	28	45
Caterpillar	980G	7	28	75	28	45
Caterpillar	980H	7.5	28	75	28	45
Caterpillar	980K	7.5	28	75	28	45
Caterpillar	980M	7.5	28	75	28	45
Case	1221E	9.2	28	50	28	35
Case	1221E XR	9.2	28	50	28	35
Deere	744J	5.25	28	55	28	35
Deere	744J HL	5.25	28	60	28	35
Deere	824J	6	28	65	28	35
Deere	824J HL	5.25	28	60	28	35
Deere	824K	6	28	65	28	35
Deere	824K HL	6	28	65	28	40
Deere	824K-II	6	28	65	28	35
Deere	824K-II HL	6	28	65	28	40
Deere	844J	7.25	28	75	28	45
Deere	844K	7.25	28	75	28	45
Deere	844K-II	7.25	28	80	28	50
Deere	844K-III	7.25	28	80	28	50
Deere	844L	7.25	28	80	28	50
Doosan	DL500	6.8	28	70	28	40
Doosan	DL550-5	7.5	28	80	28	45
Doosan	DL550-5 HL	7.5	34	85	28	50
Furukawa	FL460	6	28	70	28	40
Hitachi	ZW370-5	8.1	34	85	28	55
Hitachi	ZW370-5 HL	7.3	34	85	28	50
Hitachi	ZW370-6	7.3	28	80	28	50
Hitachi	ZW370-6 HL	7.3	34	85	28	50
Hyundai	HL780-7A	6.7	28	70	28	40
Hyundai	HL780XTD-7A	6.7	28	70	28	45
Hyundai	HL780-9	7.1	28	70	28	45
Hyundai	HL780XTD-9	7.1	28	75	28	45
Hyundai	HL780-9A	7.1	28	75	28	45
Hyundai	HL780XTD-9A	7.1	28	75	28	45
Hyundai	HL980	6.3	28	70	28	40
Hyundai	HL980 XTD	6.3	28	70	28	45
Kawasaki	95Z	6	28	65	28	40
Kawasaki	95ZII	6	28	65	28	40
Kawasaki	95ZIII	6.5	28	70	28	40
Kawasaki	95ZIV	6.5	28	70	28	40
Kawasaki	95ZIV-2	7.25	28	75	28	45
Kawasaki	95ZIV-3	7.25	28	75	28	45
Kawasaki	95ZV-2	7	28	75	28	45
Kawasaki	95Z7	7.3	34	80	28	50
Kawasaki	95Z7 HL	7.3	34	85	28	50
Komatsu	WA500-1	6	28	65	28	40
Komatsu	WA500-3	7.2	28	70	28	45
Komatsu	WA500-6	7.3	28	80	28	50
Komatsu	WA500-7	7.3	28	80	28	50
Komatsu	WA500-7 HL	5.9	28	70	28	40
Komatsu	WA500-7 SM	5.25	28	70	28	45
Komatsu	WA500-8	7.6	34	80	28	50
Komatsu	WA500-8 HL	5.9	28	75	28	45
Komatsu Dresser	555	6	28	70	28	40
Komatsu Dresser	558	6	28	65	28	40
Liebherr	L586	7.85	34	80	28	50
Liebherr	L586 HL	7.2	28	80	28	50
Liebherr	586XP	7.8	34	85	28	50
Volvo	L190	5.2	28	60	28	35
Volvo	L190B	5.2	28	60	28	35
Volvo	L220D	7	28	70	28	40
Volvo	L220E	7.1	28	75	28	45
Volvo	L220F	6.3	28	75	28	45
Volvo	L220F	7.8	28	80	28	50
Volvo	L220G	8.2	34	85	28	50
Volvo	L220H	6.8	28	75	28	45
Volvo	L260H	8.4	34	85	28	55
Volvo	L260H HL	7.2	28	80	28	50

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services  
HL - High Lift, extended booms, etc.

## 725/70-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	950K	3.5	16	50	16	35
Caterpillar	950K HL	3.5	16	50	16	35
Caterpillar	950M	4	16	55	16	35
Caterpillar	950M HL	4	CT	CT	16	35
Caterpillar	966C	4	16	50	16	35
Caterpillar	966D	4.25	CT	CT	16	35
Caterpillar	966G	4.75	CT	CT	16	35
Caterpillar	966H	5.5	CT	CT	16	40
Caterpillar	966H	5.75	CT	CT	CT	40
Caterpillar	966K	5.5	CT	CT	CT	40
Caterpillar	966L	5.5	CT	CT	16	40
Caterpillar	966M	5.5	CT	CT	16	40
Caterpillar	966M XE	5.5	CT	CT	16	40
Deere	644K	4.25	16	50	16	35
Deere	644K HL	4.25	16	55	16	35

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

HL - High Lift, extended booms, etc.

## 35/65-33 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



PIT LOADER APPLICATION							YARD LOADER APPLICATION						
Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)	Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	986H	6.12	42	85	42	50	Caterpillar	986H	6.12	42	75	42	45
Caterpillar	986H HL	5.35	42	80	42	50	Caterpillar	986H HL	5.35	42	70	42	45
Caterpillar	986K	6.8	42	90	42	55	Caterpillar	986K	6.8	42	80	42	50
Caterpillar	986K HL	5.8	42	85	42	55	Caterpillar	986K HL	5.8	42	75	42	45
Caterpillar	988B	8.25	42	105	42	65	Caterpillar	988B	8.25	42	90	42	55
Caterpillar	988F	7.75	42	100	42	65	Caterpillar	988F	7.75	42	90	42	55
Caterpillar	988G	8	CT	CT	42	70	Caterpillar	988G	8	42	95	42	60
Caterpillar	988H	8.2	CT	CT	42	75	Caterpillar	988H	8.2	42	100	42	65
Caterpillar	988H	8.33	CT	CT	42	75	Caterpillar	988H	8.33	42	100	42	65
Caterpillar	988H	9.2	CT	CT	42	80	Caterpillar	988H	9.2	42	105	42	65
Caterpillar	988H HL	8.33	CT	CT	42	75	Caterpillar	988H HL	8.33	42	100	42	60
Caterpillar	988K	8.4	CT	CT	42	75	Caterpillar	988K	8.4	42	100	42	65
Caterpillar	988K HL	8.4	CT	CT	42	75	Caterpillar	988K HL	8.4	42	100	42	65
Caterpillar	988K Steel Mill	5.5	42	80	42	50	Caterpillar	988K Steel Mill	5.5	42	105	42	65
Caterpillar	988K Steel Mill	6.5	42	85	42	50	Caterpillar	988K Steel Mill	6.5	42	105	42	65

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**35/65-33 LOADER USAGE CHART CONTINUED**

For Standard Loader Service: &lt;250 ft, &lt; 5 mph



PIT LOADER APPLICATION							YARD LOADER APPLICATION						
Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)	Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	988K XE	9.2	CT	CT	42	80	Caterpillar	988K XE	9.2	42	105	42	70
Deere	944K	10	CT	CT	42	80	Deere	944K	10	42	105	42	65
Deere	944K HL	10	CT	CT	42	85	Deere	944K HL	10	42	110	42	70
Hitachi	ZW550-5	8.9	42	110	42	70	Hitachi	ZW550-5	8.9	42	90	42	60
Hitachi	ZW550-5 HL	7.3	42	100	42	65	Hitachi	ZW550-5 HL	7.3	42	85	42	55
Hitachi	ZW550-6	8.2	42	105	42	65	Hitachi	ZW550-6	8.2	42	90	42	55
Hitachi	ZW550-6 HL	9	42	115	42	75	Hitachi	ZW550-6 HL	9	42	95	42	60
Kawasaki	110Z	7.5	42	95	42	60	Kawasaki	110Z	7.5	42	80	42	50
Kawasaki	110ZII	7.5	42	95	42	60	Kawasaki	110ZII	7.5	42	80	42	50
Kawasaki	115ZIII	7.5	42	95	42	60	Kawasaki	115ZIII	7.5	42	80	42	50
Kawasaki	115ZIV	7.5	42	100	42	65	Kawasaki	115ZIV	7.5	42	85	42	55
Kawasaki	115ZIV-2	8.25	42	105	42	70	Kawasaki	115ZIV-2	8.25	42	90	42	60
Kawasaki	115ZV	7.5	42	100	42	65	Kawasaki	115ZV	7.5	42	85	42	55
Kawasaki	115ZV-2	7.8	42	105	42	65	Kawasaki	115ZV-2	7.8	42	90	42	55
Kawasaki	115ZV-2 HL	6.5	42	95	42	60	Kawasaki	115ZV-2 HL	6.5	42	80	42	50
Kawasaki	115Z7	8.3	42	105	42	65	Kawasaki	115Z7	8.3	42	90	42	55
Kawasaki	115Z7 HL	9	CT	CT	42	75	Kawasaki	115Z7 HL	9	42	95	42	60
Kawasaki	115Z7 Xtreme	9.15	42	110	42	70	Kawasaki	115Z7 Xtreme	9.15	42	90	42	60
Komatsu	WA600-1	7.1	42	90	42	55	Komatsu	WA600-1	7.1	42	75	42	45
Komatsu	WA600-3	8	42	95	42	60	Komatsu	WA600-3	8	42	80	42	50
Komatsu	WA600-6	8.4	CT	CT	42	75	Komatsu	WA600-6	8.4	42	95	42	60
Komatsu	WA600-6	9.2	CT	CT	42	80	Komatsu	WA600-6	9.2	42	85	42	55
Komatsu	WA600-8	8.4	42	115	42	75	Komatsu	WA600-8	8.4	42	100	42	65
Komatsu Dresser	568	7.5	42	95	42	60	Komatsu Dresser	568	7.5	42	80	42	50
O&K	7500	7	42	90	42	55	O&K	7500	7	42	80	42	50
Sandvik	LH621-10	10.5	CT	CT	42	75	Sandvik	LH621-10	10.5	CT	CT	42	75
Terex	90C	8.5	42	105	42	65	Terex	90C	8.5	42	90	42	55
Volvo	L320	8	42	100	42	65	Volvo	L320	8	42	90	42	55
Volvo	L330C	8.6	42	110	42	70	Volvo	L330C	8.6	42	95	42	60
Volvo	L330D	8.6	42	110	42	70	Volvo	L330D	8.6	42	95	42	60
Volvo	L330E	8.6	CT	CT	42	70	Volvo	L330E	8.6	42	95	42	60
Volvo	L350F	10.1	CT	CT	42	80	Volvo	L350F	10.1	42	105	42	65
Volvo	L350H	9.5	42	115	42	75	Volvo	L350H	9.5	42	95	42	60
Volvo	L350H HL	9.5	42	120	42	75	Volvo	L350H HL	9.5	42	100	42	65

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CT - Contact Titan Technical services

HL - High Lift, extended booms, etc.

### 40/65-39 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Komatsu	WA700-1	11.1	CT	CT	42	60
Komatsu	WA700-3	11.4	CT	CT	42	65
Komatsu	WA700-3	12.3	CT	CT	CT	65

### 45/65-45 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	992B	10	58	80	58	45
Caterpillar	992C	12.5	58	105	58	70
Caterpillar	992C HL	12.5	58	115	58	75
Caterpillar	992D	14	58	110	58	70
Caterpillar	992D HL	14	58	120	58	75
Caterpillar	992G	16	58	CT	58	85
Caterpillar	992G HL	16	CT	CT	58	90
Caterpillar	992K	14	58	115	58	75
Caterpillar	992K HL	14	58	110	58	70
Komatsu	WA800-2	13.7	58	105	58	70
Komatsu	WA800-3	14.4	58	115	58	75
Komatsu	WA900-3	17	58	CT	58	80
Komatsu	WA900-3 HL	15	CT	CT	58	85
Komatsu	WA900-8	17	CT	CT	58	90
Komatsu	WA900-8 HL	15	CT	CT	58	85
LeTourneau	L-950-2	18	CT	CT	58	90
LeTourneau	L-950-2 HL	16	CT	CT	58	85
LeTourneau	L1000	17	58	CT	58	80

### 41.25/70-39 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	990	11	42	90	42	55
Caterpillar	990H	11.25	CT	CT	42	65
Caterpillar	990K	11.25	CT	CT	42	65
Caterpillar	990K HL	11.25	CT	CT	42	70
Kawasaki	135ZV-2	12.8	CT	CT	42	65
Kawasaki	135ZV-2 HL	11.5	42	95	42	60
Komatsu	WA700-1	11.1	42	85	42	50
Komatsu	WA700-3	11.4	42	85	42	55
Komatsu	WA700-3	12.3	42	75	42	45
Volvo	L480B	12.5	CT	CT	42	65

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

HL - High Lift, extended booms, etc.

# BIAS RIGID DUMP TRUCK

## 18.00-25 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Euclid	R32 w/ liners	34	40	85	40	95
Euclid	R32 w/o liners	36	40	85	40	95
International	350B (Detroit)	50	40	95	CT	CT
International	350B (Cummins)	50	CT	CT	CT	CT
Terex	33-05B	30	32	80	32	80

## 18.00-33 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Astra	RD 40C	44.1	CT	CT	CT	CT
Caterpillar	769B	35	32	85	32	80
Caterpillar	769C	40	CT	CT	CT	CT
Caterpillar	769D	35	CT	CT	CT	CT
Caterpillar	770	40	CT	CT	CT	CT
Caterpillar	770F	49	CT	CT	CT	CT
Caterpillar	770G	50	CT	CT	CT	CT
Caterpillar	771C Quarry	44	CT	CT	CT	CT
Caterpillar	771D	45	CT	CT	CT	CT
Hitachi	EH650	40	32	80	CT	CT
Hitachi	EH700	42	CT	CT	CT	CT
Hitachi	EH750	42.5	CT	CT	CT	CT
Hitachi	EH750-3	46.2	CT	CT	CT	CT
Euclid	R35	35	CT	CT	CT	CT
Euclid	R36	40	32	80	CT	CT
Euclid	R40	41.5	CT	CT	CT	CT
Euclid	R40C	41.9	CT	CT	CT	CT
Komatsu	HD325-3	35	32	75	32	80
Komatsu	HD325-5	35	32	75	32	85
Komatsu	HD325-6 Quarry	44	CT	CT	CT	CT
Komatsu	HD325-6 4WD	35	CT	CT	CT	CT
Komatsu	HD325-6	44	CT	CT	CT	CT
Komatsu	HD325-7	40	CT	CT	CT	CT
Komatsu	HD325-8	40.3	CT	CT	CT	CT
Komatsu	HD405-7	45.2	CT	CT	CT	CT
Komatsu Haulpak	140M	40	CT	CT	CT	CT
Perlini	DP 405 WD	44.1	CT	CT	CT	CT
Terex	3340	40	CT	CT	CT	CT

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 21.00-35 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	773	50	42	95	42	90
Caterpillar	773B	58	CT	CT	CT	CT
Dart	2085	85	36	70	42	90
Euclid	R50	58.1	CT	CT	CT	CT
Komatsu	HD460-1	51	42	85	42	95
Terex	3345	45	42	85	36	80
Terex	3307	49	42	85	42	85
Terex	3308E	55	CT	CT	CT	CT
Terex	TR45	45	42	85	42	85

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 24.00-35 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	773	50	42	65	42	65
Caterpillar	773B	58	42	75	42	75
Caterpillar	773D	50	42	75	42	75
Caterpillar	773E	60	42	80	42	85
Caterpillar	773F	61	48	90	42	80
Caterpillar	773G	54	42	75	42	75
Caterpillar	773G-4T	69.3	48	90	42	85
Caterpillar	775B Quarry	65	42	85	42	85
Caterpillar	775D	65	42	85	48	95
Caterpillar	775E	70	42	85	CT	CT
Caterpillar	775F	70	48	95	48	95
Caterpillar	775G	70	CT	CT	CT	CT
Caterpillar	775G-4T	78.8	CT	CT	48	95
Dart	2085	85	42	50	42	65
Euclid	R50	58.1	42	75	42	75
Euclid	R60	63.1	42	75	42	80
Euclid	R60C	66	48	95	42	80
Euclid	R65	69.2	42	85	48	85
Euclid	R65C	71.1	48	90	48	95
Euclid	R75	75	CT	CT	48	95
Hitachi	EH 1000	66	42	85	48	85
Hitachi	EH 1100	72.3	48	90	48	95
Hitachi	EH 1100-3	71.5	48	90	CT	CT
Hitachi	EH1100-5	70	CT	CT	48	90
Komatsu	HD465-3	51	42	65	42	70
Komatsu	HD465-5	61	42	65	42	70

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**24.00-35 RIGID DUMP TRUCK USAGE CHART CONTINUED**

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Komatsu	HD465-5 Quarry	66	48	85	48	95
Komatsu	HD465-7	61	42	80	42	85
Komatsu	HD465-8	61	48	100	48	100
Komatsu	HD605-7	70	48	90	CT	CT
Komatsu	HD605-8	69.4	48	100	48	100
Komatsu-Haulpak	210M	60	42	80	42	80
Perlini	DP705 WD	71.6	48	90	48	95
Terex	3308E	55	42	75	42	75
Terex	3309	55	42	80	42	80
Terex	3310E	66	48	90	48	90
Terex	TR60	60	42	80	42	80
Terex	TR70	72	CT	CT	CT	CT

**24.00-49 RIGID DUMP TRUCK USAGE CHART**

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Euclid	R85	85	48	90	CT	CT
Euclid	R85B	90	CT	CT	CT	CT

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

**27.00-49 RIGID DUMP TRUCK USAGE CHART**

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	777	85	48	75	48	75
Caterpillar	777B	95	48	80	48	85
Caterpillar	777C	95	48	85	48	85
Caterpillar	777D	100	CT	CT	CT	CT
Caterpillar	777E	108	48	85	CT	CT
Caterpillar	777F	100	CT	CT	CT	CT
Caterpillar	777G	100	CT	CT	CT	CT
Dart	3100B	100	CT	CT	CT	CT
Euclid	R85B	85	48	85	48	85
Euclid	R90	95.7	48	85	CT	CT
Euclid	R90C	100	CT	CT	CT	CT
Euclid	R100	100	CT	CT	CT	CT
Hitachi	EH1600	98.9	CT	CT	CT	CT
Hitachi	EH1700	108.4	CT	CT	CT	CT

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## 27.00-49 RIGID DUMP TRUCK USAGE CHART CONTINUED

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Hitachi	EH1700-3	100	CT	CT	CT	CT
Komatsu	HD785-1	86	48	70	48	75
Komatsu	HD785-3	86	48	75	48	80
Komatsu	HD785-3	100	48	80	CT	CT
Komatsu	HD785-5	106	CT	CT	CT	CT
Komatsu	HD785-7	100	CT	CT	CT	CT
Komatsu	HD785-8	100	CT	CT	CT	CT
Komatsu Haulpak	325M	95	48	85	48	85
Komatsu Haulpak	330M	100	CT	CT	CT	CT
Kress	CH160	160	CT	CT	CT	CT
Kress	CH180	180	CT	CT	CT	CT
Liebherr	T236	110	CT	CT	CT	CT
Perlini	DP905	104.7	CT	CT	CT	CT
Rimpull	RD100	100	48	85	CT	CT
Rimpull	RD100C	100	48	85	CT	CT
Terex	3311C	85	48	75	48	70
Terex	3311D	77	48	85	48	75
Terex	3311E	94	CT	CT	48	80
Terex	TR100	100	CT	CT	CT	CT
Terex	TR100 (HR)	93.55	CT	CT	CT	CT
Terex	TR100D	100	CT	CT	CT	CT
Unit Rig	Dart 3100	100	CT	CT	CT	CT
Unit Rig	Dart 4160	160	48	60	CT	CT
Unit Rig	M85	85	48	70	48	70
Unit Rig	M100	100	CT	CT	CT	CT
Unit Rig	M120-15	120	CT	CT	CT	CT
Unit Rig	Mark 24	85	48	85	48	70

## 30.00-51 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Dart	3120B	120	CT	CT	CT	CT
Euclid	R100	100	52	70	52	70
Euclid	R120E	120	CT	CT	CT	CT

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services



**33.00-51 RIGID DUMP TRUCK USAGE CHART**

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Belaz	75131	143.3004704	CT	CT	CT	CT
Belaz	75137NA	143.3004704	CT	CT	CT	CT
Caterpillar	785	155	CT	CT	CT	CT
Caterpillar	785B	155	CT	CT	CT	CT
Caterpillar	785C	150	CT	CT	CT	CT
Caterpillar	785D	146	CT	CT	CT	CT
Caterpillar	785G	146	CT	CT	CT	CT
Euclid	R120E	120	58	70	58	75
Euclid	R130	152	CT	CT	CT	CT
Euclid	R130B	146	CT	CT	CT	CT
Euclid	R130M	130	58	70	58	80
Euclid	R150	150	CT	CT	CT	CT
Komatsu Haulpak	510E	150	CT	CT	CT	CT
Komatsu Haulpak	530M	165	CT	CT	CT	CT
Komatsu	HD1500-7	160	CT	CT	CT	CT
Terex	MT3300	150	CT	CT	CT	CT
Terex	MT3300AC	150	CT	CT	CT	CT
Terex	MT3314B	125	58	80	58	75

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# BIAS TOWED SCRAPER

## 20.5-25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Tires Per Axle	Tire Min. Ply Rating	Tire Min. Inflation (psi)
Ashland	110TS2	11.3	2	CT	CT
Ashland	110XL2	11	2	CT	CT
Ashland	130TS2	13	2	CT	CT
Ashland	220TS4	22	4	CT	CT
Ashland	1410E	14	2	CT	CT
Ashland	2012CS	20	4	CT	CT
Ashland	2014CS	20	6	16	40
Deere	1510DC	15	4	16	40
Deere	1612DE	16	4	24	50
Deere	1810DC	18	4	24	50
Deere	1812DC	18	4	20	50
Deere	1814DC	18	6	16	30
Deere	2010DE	20	4	CT	CT
Deere	2014DE	20	6	16	40

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 23.5-25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Tires Per Axle	Tire Min. Ply Rating	Tire Min. Inflation (psi)
Ashland	140TS2	14	2	CT	CT
Ashland	140TS2 LGP	14	2	CT	CT
Caterpillar	TS185	19	4	20	35
Deere	2112DC	21.5	6	12	30
Deere	2412DE	24	4	CT	CT
K-Tec	1228	28	4	CT	CT
K-Tec	1228 ADT	28	4	CT	CT
K-Tec	1233	33	4	CT	CT
K-Tec	1236	36	4	CT	CT

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 26.5-25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Tires Per Axle	Tire Min. Ply Rating	Tire Min. Inflation (psi)
Caterpillar	TS185	19	4	20	30
Caterpillar	TS225	23.5	4	20	35
Deere	2112DC (1)	21.5	4	32	55
Deere	2112DC (2)	21.5	4	20	35
Deere	2412DE (1)	24	4	44	60
Deere	2412DE (2)	24	4	26	45
K-Tec	1233	33	4	32	50
K-Tec	1237 ADT	40.5	4	CT	CT
K-Tec	1243 ADT	43	4	26	45

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

(1) - Front scraper used in train

(2) - Rear scraper used in train, or single scraper

## 29.5-25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Tires Per Axle	Tire Min. Ply Rating	Tire Min. Inflation (psi)
Ashland	155TS2	15.5	2	28	45
Ashland	215TS2	21.5	2	34	60
Caterpillar	TS180	19	2	34	50
Deere	2010DE	20	2	34	55
K-Tec	1243 ADT	43	4	28	35
K-Tec	1263 ADT	63	4	34	50

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# BIAS TRACTOR SCRAPER

## 18.00-25 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: < 2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	613C II	11	32	60	32	65

## 23.5-25 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: < 2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	613B	11	20	35	20	40
Caterpillar	613C	11	20	40	20	40
Caterpillar	613C II	11	20	40	20	40
Caterpillar	613G	11	CT	CT	20	40
Deere	762	11	20	40	20	40
Deere	762A	11	20	45	20	40
Deere	762B	11	20	45	20	40
Deere	762B II	11	20	45	20	40
Komatsu Dresser	412	11	20	40	20	40
Komatsu Dresser	412B	11	20	40	20	40

## 26.5-25 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: < 2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	611	15	32	55	32	50
Caterpillar	611C II	15	44	70	32	50
Caterpillar	615	16	32	60	32	50
Caterpillar	615C	16	32	60	32	50
Caterpillar	615C II	17	44	60	32	55
Deere	860	15	26	45	26	45
Deere	860A Std	15	32	50	26	45
Deere	860A HD	15	32	50	26	50
Deere	862	16	32	55	32	55
Deere	862B	16	32	55	32	55
Fiat Allis	161	15	26	45	26	45

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

### 29.5-25 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	611	15	28	45	28	40
Caterpillar	611C II	15	28	45	28	40
Caterpillar	615	16	28	45	28	40
Caterpillar	615C	16	28	45	28	40
Caterpillar	615C II	17	28	50	28	45
Deere	862 w/ Kress bowl	18	28	45	28	45
Deere	862 w/ Kress bowl	20	28	50	34	50
Deere	862B	16	28	45	28	45
Fiat Allis	161	15	28	40	28	40
Terex	TS14B	20	34	55	34	50
Terex	TS14C	20	34	55	34	50
Terex	TS14G	20	34	60	34	55

### 29.5-29 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	621B	20	38	60	28	50
Caterpillar	621E	20	34	60	34	50
Caterpillar	621G	22	CT	CT	34	60
Caterpillar	623B	22	CT	CT	34	55
Caterpillar	623E	23	CT	CT	38	60
Caterpillar	623F	23	CT	CT	CT	CT
Caterpillar	627B	20	34	60	38	60
Caterpillar	627E	20	34	60	38	65
Caterpillar	627G	22	38	65	CT	CT
Fiatallis	261B	23	38	60	34	60
Fiatallis	262B	21	38	60	34	60
Fiatallis	263B	23	38	65	CT	CT
Komatsu Dresser	431B	21	34	55	28	50
Komatsu Dresser	433B	21	34	55	34	60
Komatsu Dresser	442B	22	38	60	34	55
Komatsu Dresser	444B	22	38	65	CT	CT
Terex	S23E	23	38	60	34	55

### 29.5-35 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	621B	20	34	55	34	45
Caterpillar	621E	20	34	55	34	45
Caterpillar	623B	23	CT	CT	34	50
Caterpillar	623E	23	CT	CT	34	55
Caterpillar	627B	20	34	55	34	55
Caterpillar	627E	20	34	55	34	60
Terex	S23E	23	34	55	34	50

**33.25-29 TRACTOR SCRAPER USAGE CHART**

For Standard Scraper Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	621B	20	32	45	32	35
Caterpillar	621E	20	34	45	34	40
Caterpillar	621F	20	34	45	34	40
Caterpillar	621G	20	38	50	34	45
Caterpillar	621G	22	38	50	34	45
Caterpillar	621H	24	38	55	34	50
Caterpillar	621K	24	38	55	34	50
Caterpillar	621K P/P	24	38	55	34	50
Caterpillar	623F	23	38	55	38	55
Caterpillar	623G	23	38	55	38	55
Caterpillar	623H	23	38	60	38	50
Caterpillar	623K	23	CT	CT	38	50
Caterpillar	627B	20	34	45	34	45
Caterpillar	627E	20	34	45	34	50
Caterpillar	627F	20	34	50	38	50
Caterpillar	627G	22	38	55	38	50
Caterpillar	627H	24	CT	CT	CT	CT
Caterpillar	627K	24	CT	CT	38	55
Caterpillar	627K P/P	24	CT	CT	38	55

**33.25-35 TRACTOR SCRAPER USAGE CHART**

For Standard Scraper Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	631D	31	56	70	38	60
Caterpillar	631E	31	56	75	44	60
Caterpillar	633D	34	56	75	56	75
Caterpillar	637D	31	56	70	56	70
Caterpillar	637E	31	56	75	56	75

**33.5-33 TRACTOR SCRAPER USAGE CHART**

For Standard Scraper Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Terex	TS24	33	44	55	44	65
Terex	TS36	40	CT	CT	CT	CT
Terex	TS40	50	CT	CT	CT	CT

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

### 37.5-33 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Terex	TS24B	34	54	60	54	60
Terex	S24B	34	54	60	54	55
Terex	TS38B	41	54	70	54	65

### 37.25-35 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	631D	31	CT	CT	36	45
Caterpillar	631E	31	CT	CT	36	45
Caterpillar	631E II	31	CT	CT	36	45
Caterpillar	631G	34	CT	CT	CT	CT
Caterpillar	631K	34	CT	CT	CT	CT
Caterpillar	631K P/P	34	CT	CT	CT	CT
Caterpillar	633D	34	CT	CT	CT	CT
Caterpillar	633E	34	CT	CT	CT	CT
Caterpillar	633E II	34	CT	CT	CT	CT
Caterpillar	637D	31	CT	CT	CT	CT
Caterpillar	637E	31	CT	CT	CT	CT
Caterpillar	637E II	31	CT	CT	CT	CT
Caterpillar	637G	34	CT	CT	CT	CT
Caterpillar	637G P/P	34	CT	CT	CT	CT
Caterpillar	637K	34	CT	CT	CT	CT
Caterpillar	637K P/P	34	CT	CT	CT	CT
Caterpillar	657G	44	CT	CT	CT	CT
Caterpillar	657G P/P	44	CT	CT	CT	CT

### 37.5-39 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	651B	44	52	75	52	70
Caterpillar	651E	44	60	80	52	70
Caterpillar	657B	44	60	80	CT	CT
Caterpillar	657E	44	CT	CT	CT	CT

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# RADIAL ARTICULATED DUMP TRUCK

## 17.5R25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Bell	B17B	17	2*	CT	2*	CT	2*	CT

## 20.5R25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Bell	B18E	20	1*	50	2*	60	2*	60
Bell	B20B	20	1*	45	2*	55	2*	55
Bell	B20D 6x4	18	1*	40	2*	65	2*	60
Bell	B20D 6x6	18	1*	40	2*	65	2*	65
Bell	B20E	20	1*	55	2*	60	2*	60
Caterpillar	D250B	25	2*	70	2*	75	2*	75
Caterpillar	D250D	25	2*	60	2*	75	2*	75
Komatsu	HA250-1	25	2*	75	2*	75	2*	75
Moxy	MT30 LHS	30	CT	CT	CT	CT	CT	CT
Terex	2364	23	2*	70	2*	65	2*	60
Terex	2366	23	2*	70	2*	65	2*	65
Terex	2566B	25	CT	CT	2*	70	2*	70
Terex	2566C	25	CT	CT	2*	75	2*	70
Volvo	A20 6X4	20	CT	-	2*	60	2*	60
Volvo	A20 6x6	20	CT	-	2*	60	2*	60
Volvo	A20C 6X6	20	1*	50	2*	60	2*	60
Volvo	A25 6X4	25	1*	55	2*	75	2*	75
Volvo	A25	25	2*	55	2*	75	2*	75
Volvo	A25B	25	1*	55	2*	75	2*	75

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 23.5R25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Bell	B25B	25	1*	50	1*	50	1*	50
Bell	B25D	26	1*	50	2*	55	2*	55
Bell	B25E	27	1*	45	2*	65	2*	65
Bell	B30B	30	2*	60	2*	70	2*	70
Bell	B30D	30	1*	50	2*	65	2*	65
Bell	B30E	31	1*	50	2*	75	2*	75
Caterpillar	D20D	20	2*	60	1*	40	2*	75
Caterpillar	D250B	25	1*	50	1*	55	1*	55
Caterpillar	D250D	25	1*	45	1*	55	1*	55
Caterpillar	D250E	25	1*	55	2*	65	2*	65
Caterpillar	D300B	30	2*	60	2*	65	2*	65
Caterpillar	D300D	30	2*	55	2*	70	2*	70
Caterpillar	D300E	30	2*	60	2*	70	2*	70
Caterpillar	D350C	35	2*	75	CT	CT	2*	75
Caterpillar	725	25	1*	55	2*	60	2*	60
Caterpillar	725	26	2*	60	2*	70	2*	65
Caterpillar	725C	26	2*	70	2*	60	2*	60
Caterpillar	725C2	27	2*	70	2*	60	2*	60
Caterpillar	730	30	2*	60	2*	75	2*	75
Caterpillar	730	31	2*	65	CT	CT	CT	CT
Caterpillar	730 EJ	31	2*	60	CT	CT	CT	CT
Caterpillar	730C	31	2*	80	2*	70	2*	70
Caterpillar	730C EJ	31	2*	70	CT	CT	CT	CT
Caterpillar	730C2	31	2*	75	2*	70	2*	70
Caterpillar	730C2 EJ	31	2*	65	CT	CT	CT	CT
Deere	250C	25	1*	50	1*	45	1*	50
Deere	250D	25	1*	50	1*	55	1*	55
Deere	250D - II	25	1*	50	1*	55	1*	55
Deere	260E	26	2*	65	2*	70	2*	70
Deere	300C	30	2*	60	2*	65	2*	65
Deere	300D	30	1*	50	2*	65	2*	65
Deere	300D - II	30	1*	55	2*	70	2*	65
Deere	310E	31	2*	60	2*	80	2*	80
Doosan	DA30	31	2*	70	2*	70	2*	70
Doosan	DA30-5	31	2*	70	2*	75	2*	75
Komatsu	HA270-1	27	2*	60	2*	60	2*	60
Komatsu	HM300-1	30	2*	65	2*	80	2*	75
Komatsu	HM300-2	30	2*	65	2*	80	2*	75
Komatsu	HM300-3	31	2*	60	CT	CT	2*	80
Komatsu	HM300-5	31	2*	70	CT	CT	2*	75
Moxy	MT26	26	2*	60	2*	60	2*	60
Moxy	MT30 X	30	2*	75	1*	55	1*	55
Moxy	MT30 LHS	30	2*	60	2*	60	2*	60
Moxy	MT31	31	2*	70	2*	70	2*	70
Randon	RK-628	28	1*	50	2*	60	2*	60
Terex	2566B	25	2*	60	1*	55	1*	50

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**23.5R25 ARTICULATED DUMP TRUCK USAGE CHART CONTINUED**

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Terex	2566C	25	2*	60	1*	55	1*	50
Terex	2766B	27.5	2*	65	2*	60	1*	55
Terex	2766C	27.5	2*	65	2*	60	2*	55
Terex	3066	30	2*	65	2*	60	2*	60
Terex	3066C	30	2*	60	2*	70	2*	70
Terex	TA250	27.5	2*	65	2*	65	2*	65
Terex	TA250-9	27.5	2*	70	2*	65	2*	65
Terex	TA300	31	2*	70	2*	70	2*	70
Terex	TA300-T4	31	2*	75	2*	70	2*	70
Terex	TA300-9	31	2*	60	2*	80	2*	80
Volvo	A20 6X4	20	1*	40	CT	-	CT	-
Volvo	A25	25	1*	40	1*	55	1*	55
Volvo	A25 4X4	25	1*	45	1*	40	1*	40
Volvo	A25 6X4	25	1*	40	1*	55	1*	55
Volvo	A25B	25	1*	40	1*	55	1*	55
Volvo	A25B 4X4	25	1*	45	1*	40	1*	40
Volvo	A25C	25	1*	45	2*	55	2*	55
Volvo	A25C 4X4	25	1*	50	1*	40	1*	40
Volvo	A25C 6X6	25	1*	45	2*	55	2*	55
Volvo	A25D	27	1*	55	2*	65	2*	65
Volvo	A25E	27	1*	55	2*	65	2*	65
Volvo	A25E 4X4	26.5	2*	65	CT	-	CT	-
Volvo	A25F	27	2*	60	2*	65	2*	65
Volvo	A25G	26.5	2*	60	2*	65	2*	65
Volvo	A30	30	2*	60	2*	65	2*	65
Volvo	A30C	30	2*	65	2*	70	2*	70
Volvo	A30C 6X6	30	2*	60	2*	65	2*	65
Volvo	A30D	31	2*	60	2*	75	2*	75
Volvo	A30E	31	2*	60	2*	75	2*	75
Volvo	A30F	31	2*	60	2*	75	2*	75
Volvo	A30G	31	2*	60	2*	75	2*	75

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 26.5R25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Bell	B35D	35.8	2*	60	2*	70	2*	70
Bell	B35E	37	2*	65	2*	75	2*	70
Bell	B40	40	2*	65	CT	CT	2*	75
Bell	B40B	40	2*	70	2*	75	2*	75
Bell	B40D 6x4	40	2*	60	CT	CT	2*	75
Caterpillar	D25C	25	2*	65	-	-	2*	75
Caterpillar	D25D	25	2*	65	-	-	2*	75
Caterpillar	D350C	35	2*	55	2*	60	2*	55
Caterpillar	D350D	35	2*	60	2*	60	2*	60
Caterpillar	D400D	40	2*	65	2*	75	2*	75
Caterpillar	735	35	2*	70	2*	70	2*	70
Caterpillar	735	36	2*	75	2*	70	2*	65
Caterpillar	735B	36	CT	CT	2*	70	2*	70
Caterpillar	735B	36	CT	CT	2*	70	2*	65
Caterpillar	735C	36	2*	70	2*	70	2*	70
Deere	350C	35	2*	60	2*	65	2*	65
Deere	350D	35	2*	55	2*	65	2*	65
Deere	350D Series II	35	2*	65	2*	65	2*	65
Deere	370E	37	2*	70	2*	75	2*	70
Deere	370E-II	37	2*	70	2*	80	2*	80
Komatsu	HM350-2	35.6	2*	65	2*	70	2*	70
Moxy	MT36	36	2*	65	2*	65	2*	65
Moxy	MT40	40	2*	60	2*	70	2*	70
Terex	4066	37	1*	50	2*	70	2*	70
Terex	4066B	40	2*	60	2*	75	2*	75
Terex	4066C	40	2*	60	CT	CT	CT	CT
Terex	TA350	37.6	1*	55	CT	CT	CT	CT
Volvo	A35	35	1*	50	2*	65	2*	65
Volvo	A35C	35	1*	50	2*	65	2*	65
Volvo	A35C 6X6	35	1*	50	2*	65	2*	65
Volvo	A35D	36	1*	55	2*	70	2*	70
Volvo	A35E	37	1*	55	2*	75	2*	75
Volvo	A35E-FS	37	1*	55	2*	75	2*	75
Volvo	A35F	37	2*	60	2*	75	2*	75
Volvo	A35F-FS	37	2*	60	2*	75	2*	75
Volvo	A35G	37	2*	60	2*	75	2*	75
Volvo	A35G-FS	37	2*	60	2*	75	2*	75

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 29.5R25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Atlas	FB-645	45	2*	65	2*	70	2*	70
Bell	B40B	40	1*	55	2*	60	2*	55
Bell	B40D	41	1*	50	2*	65	2*	60
Bell	B40E	43	2*	55	2*	65	2*	65
Bell	B45D	45	1*	55	2*	70	2*	70
Bell	B45E	45	2*	60	2*	70	2*	70
Bell	B50E	50	2*	65	CT	CT	CT	CT
Caterpillar	D30C 4x4	30	1*	55	-	-	2*	75
Caterpillar	D30D 4x4	30	1*	55	-	-	2*	75
Caterpillar	D35C	35	1*	55	-	-	-	-
Caterpillar	D40D	40	2*	70	-	-	-	-
Caterpillar	D350C	35	1*	45	1*	45	1*	45
Caterpillar	D350D	35	1*	50	1*	45	1*	45
Caterpillar	D400D	40	1*	55	2*	55	2*	55
Caterpillar	D400E	40	2*	60	1*	55	1*	55
Caterpillar	740	40	2*	65	2*	60	2*	60
Caterpillar	740	43.5	2*	65	2*	65	2*	65
Caterpillar	740 EJ	42	1*	55	2*	70	2*	70
Caterpillar	740B	43.5	2*	70	2*	65	2*	65
Caterpillar	740B EJ	42	2*	60	2*	70	2*	70
Caterpillar	740C EJ	42	2*	60	2*	70	2*	70
Caterpillar	740 GC	40	2*	60	2*	60	2*	60
Caterpillar	745C	45	2*	70	2*	65	2*	65
Deere	370E	37	1*	55	2*	60	2*	60
Deere	400C	40	1*	55	2*	60	2*	55
Deere	400D	40	1*	50	2*	60	2*	60
Deere	400D Series II	40	1*	50	2*	65	2*	60
Deere	410E	41	1*	55	2*	65	2*	65
Deere	410E-II	41	2*	60	2*	70	2*	70
Deere	460E	46	2*	60	2*	70	2*	70
Deere	460E-II	46	2*	65	2*	75	2*	75
Doosan	DA40	44	1*	55	2*	65	2*	65
Doosan	DA40-5	44	2*	55	2*	65	2*	65
Komatsu	HD400	40	1*	45	2*	65	2*	65
Komatsu	HM400-2	40	1*	50	2*	65	2*	65
Komatsu	HM400-3	44	1*	55	2*	70	2*	70
Komatsu	HM400-5	44	2*	60	2*	75	2*	70
Moxy	MT41	41	1*	50	2*	60	2*	60
Moxy	MT51	51	2*	60	2*	75	2*	75
Terex	TA400-9	42	1*	45	2*	70	2*	70
Volvo	A40	40	1*	45	2*	65	2*	65
Volvo	A40D	41	1*	50	2*	65	2*	65
Volvo	A40E	43	1*	50	2*	65	2*	65
Volvo	A40E-FS	43	1*	50	2*	65	2*	65
Volvo	A40F	43	1*	50	2*	65	2*	65
Volvo	A40F-FS	43	1*	50	2*	65	2*	65

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## 29.5R25 ARTICULATED DUMP TRUCK USAGE CHART CONTINUED

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Volvo	A40G	43	1*	50	2*	65	2*	65
Volvo	A40G-FS	43	1*	55	2*	65	2*	65
Volvo	A45G	45	1*	55	2*	70	2*	70
Volvo	A45G-FS	45	1*	55	2*	70	2*	70
Volvo	A25 4X4	25	-	-	-	-	2*	70
Volvo	A25B 4X4	25	-	-	-	-	2*	70
Volvo	A25C 4X4	25	-	-	-	-	2*	70
Volvo	A25E 4X4	26.5	-	-	-	-	2*	75

## 750/65R25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Bell	B30D	30	1*	40	1*	45	1*	45
Bell	B30E	31	1*	40	1*	50	1*	50
Caterpillar	725C	26	1*	50	1*	40	1*	40
Caterpillar	730C	31	1*	55	1*	50	1*	50
Caterpillar	730C EJ	31	1*	45	1*	55	1*	55
Deere	260E	26	1*	45	1*	45	1*	45
Deere	300D - II	30	1*	40	1*	45	1*	45
Deere	310E	31	1*	40	1*	50	1*	50
Komatsu	HM300-5	31	1*	45	1*	55	1*	50
Terex	TA250-9	26.5	1*	50	1*	45	1*	45
Terex	TA300-9	31	1*	40	1*	55	1*	55
Volvo	A25G	27	1*	40	1*	45	1*	45
Volvo	A30D	31	1*	40	1*	50	1*	50
Volvo	A30E	31	1*	40	1*	50	1*	50
Volvo	A30G	31	1*	45	1*	50	1*	50

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

**875/65R29 ARTICULATED DUMP TRUCK USAGE CHART**

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (tons)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Bell	B40E	43	2*	50	2*	60	2*	60
Bell	B45E	45	2*	50	2*	60	2*	60
Bell	50D	50	2*	55	2*	70	2*	70
Bell	B50E	50	2*	55	2*	70	2*	70
Bell	B60E	60	2*	65	-	-	-	-
Caterpillar	740C EJ	42	2*	50	2*	65	2*	60
Caterpillar	745C	45	2*	60	2*	60	2*	55
Deere	370E	37	2*	50	2*	50	2*	50
Deere	410E	42.5	2*	50	2*	60	2*	60
Deere	460E	46	2*	55	2*	65	2*	65
Volvo	A40D	41	2*	45	2*	60	2*	60
Volvo	A40F	43	2*	45	2*	60	2*	60
Volvo	A40F-FS	43	2*	45	2*	60	2*	60
Volvo	A40G	43	2*	45	2*	60	2*	60
Volvo	A40G-FS	43	2*	50	2*	60	2*	60
Volvo	A45G	45	2*	45	2*	60	2*	60
Volvo	A45G-FS	45	2*	50	2*	60	2*	60

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# RADIAL GRADER

## 14.00R24TG GRADER USAGE CHART

For Standard Grader Service: Unlimited distance, < 25 mph



Manufacturer	Model	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Case	845B	1*	30	1*	40	1*	40
Case	865B	1*	30	1*	40	1*	40
Case	865B AWD	1*	35	1*	40	1*	40
Case	885B	1*	40	1*	45	1*	45
Case	885B AWD	1*	45	1*	45	1*	45
Caterpillar	12M	1*	35	1*	50	1*	50
Caterpillar	12M2	1*	40	1*	50	1*	50
Caterpillar	12M2 AWD	1*	45	1*	55	1*	55
Caterpillar	12M3	1*	40	1*	55	1*	55
Caterpillar	12M3 AWD	1*	45	1*	55	1*	55
Caterpillar	120M2	1*	35	1*	50	1*	50
Caterpillar	120M2 AWD	1*	35	1*	50	1*	50
Caterpillar	140	1*	35	1*	55	1*	55
Caterpillar	140H	1*	30	1*	40	1*	40
Caterpillar	140M	1*	40	1*	50	1*	50
Caterpillar	140M AWD	1*	40	1*	55	1*	55
Caterpillar	140M2	1*	40	1*	55	1*	55
Caterpillar	140M2 AWD	1*	45	1*	55	1*	55
Caterpillar	140M3	1*	40	1*	55	1*	55
Caterpillar	140M3 AWD	1*	45	CT	CT	CT	CT
Caterpillar	160M	1*	40	1*	55	1*	55
Caterpillar	160M AWD	1*	45	1*	55	1*	55
Caterpillar	160M2	1*	45	1*	55	1*	55
Caterpillar	160M2 AWD	1*	50	CT	CT	CT	CT
Caterpillar	160M3	1*	45	CT	CT	CT	CT
Caterpillar	160M3 AWD	1*	50	CT	CT	CT	CT
Deere	620G/GP	1*	35	1*	50	1*	50
Deere	622G/GP	1*	40	1*	50	1*	50
Deere	670G Std	1*	30	1*	45	1*	45
Deere	670G w/ ripper	1*	40	1*	50	1*	50
Deere	672G Std	1*	35	1*	45	1*	45
Deere	672G w/ ripper	1*	45	1*	55	1*	55
Deere	770C std	1*	30	1*	40	1*	40
Deere	770C w/ scarifier	1*	35	1*	40	1*	40
Deere	770C w/ ripper	1*	30	1*	45	1*	45
Deere	770CH std	1*	30	1*	40	1*	40
Deere	770CH w/ scarifier	1*	35	1*	40	1*	40
Deere	770CH w/ ripper	1*	30	1*	45	1*	45
Deere	770G std	1*	30	1*	45	1*	45
Deere	770G w/ ripper	1*	40	1*	55	1*	55
Deere	772CH std	1*	30	1*	40	1*	40
Deere	772CH w/ scarifier	1*	40	1*	40	1*	40

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**14.00R24TG GRADER USAGE CHART CONTINUED**

For Standard Grader Service: Unlimited distance, &lt; 25 mph



Manufacturer	Model	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Deere	772CH w/ ripper	1*	35	1*	45	1*	45
Deere	772D std	1*	30	1*	40	1*	40
Deere	772D w/ ripper	1*	35	1*	50	1*	50
Deere	772G std	1*	35	1*	45	1*	45
Deere	772G w/ ripper	1*	45	1*	55	1*	55
Deere	870G std	1*	30	1*	45	1*	45
Deere	870G w/ ripper	1*	40	1*	55	1*	55
Deere	872G std	1*	35	1*	50	1*	50
Deere	872G w/ ripper	1*	45	CT	CT	CT	CT
Terex	TG140	1*	40	1*	40	1*	40
Terex	TG180	1*	45	1*	45	1*	45
Terex	TG200	1*	50	1*	45	1*	45
Volvo	G930B	1*	30	1*	40	1*	40
Volvo	G930C	1*	30	1*	45	1*	45
Volvo	G940B	1*	35	1*	45	1*	45
Volvo	G940C	1*	35	1*	45	1*	45
Volvo	G946B	1*	35	1*	45	1*	45
Volvo	G946C	1*	35	1*	50	1*	50
Volvo	G960B	1*	35	1*	50	1*	50
Volvo	G960C	1*	35	1*	50	1*	50

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

**17.5R25 GRADER USAGE CHART**

For Standard Grader Service: Unlimited distance, &lt; 25 mph



Manufacturer	Model	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Case	845B	1*	30	1*	40	1*	40
Case	856C	1*	30	1*	40	1*	40
Case	856C AWD	1*	30	1*	40	1*	40
Case	865B	1*	30	1*	40	1*	40
Case	865B AWD	1*	30	1*	40	1*	40
Case	885B	1*	35	1*	40	1*	40
Case	885B AWD	1*	35	1*	40	1*	40
Caterpillar	12M	1*	30	1*	40	1*	40
Caterpillar	12M2	1*	30	1*	45	1*	45
Caterpillar	12M2 AWD	1*	35	1*	45	1*	45
Caterpillar	12M3	1*	30	1*	45	1*	45
Caterpillar	12M3 AWD	1*	35	1*	45	1*	45
Caterpillar	120M2	1*	30	1*	40	1*	40
Caterpillar	120M2 AWD	1*	30	1*	45	1*	45
Caterpillar	140H	1*	30	1*	40	1*	40

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**17.5R25 GRADER USAGE CHART CONTINUED**

For Standard Grader Service: Unlimited distance, < 25 mph



Manufacturer	Model	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	140M	1*	30	1*	45	1*	45
Caterpillar	140M AWD	1*	35	1*	45	1*	45
Caterpillar	140M2	1*	35	1*	45	1*	45
Caterpillar	140M2 AWD	1*	35	1*	45	1*	45
Caterpillar	140M3	1*	35	1*	45	1*	45
Caterpillar	140M3 AWD	1*	40	CT	CT	CT	CT
Caterpillar	160M	1*	35	1*	45	1*	45
Caterpillar	160M AWD	1*	35	1*	45	1*	45
Caterpillar	160M2	1*	35	1*	45	1*	45
Caterpillar	160M2 AWD	1*	40	CT	CT	CT	CT
Caterpillar	160M3	1*	35	CT	CT	CT	CT
Caterpillar	160M3 AWD	1*	40	CT	CT	CT	CT
Deere	620G/GP	1*	30	1*	40	1*	40
Deere	622G/GP	1*	30	1*	45	1*	45
Deere	670G Std	1*	30	1*	40	1*	40
Deere	670G w/ ripper	1*	35	1*	45	1*	45
Deere	672G Std	1*	30	1*	40	1*	40
Deere	672G w/ ripper	1*	35	1*	45	1*	45
Deere	770C std	1*	30	1*	40	1*	40
Deere	770C w/ scarifier	1*	30	1*	40	1*	40
Deere	770C w/ ripper	1*	30	1*	40	1*	40
Deere	770CH std	1*	30	1*	40	1*	40
Deere	770CH w/ scarifier	1*	30	1*	40	1*	40
Deere	770CH w/ ripper	1*	30	1*	40	1*	40
Deere	770G std	1*	30	1*	40	1*	40
Deere	770G w/ ripper	1*	35	1*	45	1*	45
Deere	772CH std	1*	30	1*	40	1*	40
Deere	772CH w/ scarifier	1*	35	1*	40	1*	40
Deere	772CH w/ ripper	1*	30	1*	40	1*	40
Deere	772D std	1*	30	1*	40	1*	40
Deere	772D w/ ripper	1*	30	1*	40	1*	40
Deere	772G std	1*	30	1*	40	1*	40
Deere	772G w/ ripper	1*	35	1*	45	1*	45
Deere	870G std	1*	30	1*	40	1*	40
Deere	870G w/ ripper	1*	35	1*	45	1*	45
Deere	872G std	1*	30	1*	40	1*	40
Deere	872G w/ ripper	1*	40	CT	CT	CT	CT
Komatsu	GD655-5	1*	30	1*	40	1*	40
Komatsu	GD655-5 w/ ripper	1*	30	1*	40	1*	40
Komatsu	GD655-5 w/ scarifier	1*	30	1*	40	1*	40
Komatsu	GD655-6	1*	30	1*	40	1*	40
Komatsu	GD655-6 w/ ripper	1*	30	1*	45	1*	45
Komatsu	GD655-6 w/ scaifier	1*	30	1*	40	1*	40
Komatsu	GD655-7	1*	30	1*	40	1*	40
Volvo	G930B	1*	30	1*	40	1*	40
Volvo	G930C	1*	30	1*	45	1*	45

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**17.5R25 GRADER USAGE CHART CONTINUED**

For Standard Grader Service: Unlimited distance, &lt; 25 mph



Manufacturer	Model	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Volvo	G940B	1*	30	1*	40	1*	40
Volvo	G940C	1*	30	CT	CT	CT	CT
Volvo	G946B	1*	30	1*	40	1*	40
Volvo	G946C	1*	30	CT	CT	CT	CT
Volvo	G960B	1*	30	1*	40	1*	40
Volvo	G960C	1*	35	CT	CT	CT	CT

**20.5R25 GRADER USAGE CHART**

For Standard Grader Service: Unlimited distance, &lt; 25 mph



Manufacturer	Model	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	14M	1*	30	1*	45	1*	45
Caterpillar	14M3	1*	30	CT	CT	CT	CT

**29.5R29 GRADER USAGE CHART**

For Standard Grader Service: Unlimited distance, &lt; 25 mph



Manufacturer	Model	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Middle Minimum Ply Rating	Middle Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	24M	1*	45	1*	60	1*	60
Caterpillar	24	1*	50	CT	CT	CT	CT

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# RADIAL LOADER

## 17.5R25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)	Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	IT14B	1.6	1*	60	1*	60	Case	521G Z-Bar	2	1*	65	1*	60
Caterpillar	IT14F	1.6	1*	60	1*	60	Case	521G Z-Bar	2.3	1*	70	1*	60
Caterpillar	IT14G	1.7	1*	60	1*	60	Case	521G XR	2.1	1*	70	1*	60
Caterpillar	IT18	1.5	1*	60	1*	60	Case	521G XR	2	1*	65	1*	60
Caterpillar	IT18B	1.75	1*	60	1*	60	Case	521G XR	2.3	1*	70	1*	60
Caterpillar	IT18F	2	1*	65	1*	60	Case	521G XT	2.1	1*	70	1*	60
Caterpillar	IT24	2.3	1*	65	1*	60	Case	521G XT	2	1*	70	1*	60
Caterpillar	IT24F	2.4	1*	75	1*	60	Case	621	2.2	1*	70	1*	60
Caterpillar	IT28	2	1*	65	1*	60	Daewoo	Mega 200	2.4	1*	70	1*	60
Caterpillar	IT28B	2.25	1*	70	1*	60	Daewoo	Mega 200-III	2.3	1*	70	1*	60
Caterpillar	IT28F	2.6	1*	75	1*	60	Deere	304H	1.25	1*	60	1*	60
Caterpillar	910M	2.5	1*	65	1*	60	Deere	304H WH	1	1*	60	1*	60
Caterpillar	914G	1.7	1*	60	1*	60	Deere	324H	1.75	1*	60	1*	60
Caterpillar	914G2	1.8	1*	60	1*	60	Deere	344E	1.6	1*	60	1*	60
Caterpillar	914K	1.7	1*	60	1*	60	Deere	344G	1.6	1*	60	1*	60
Caterpillar	914K HL	1.7	1*	60	1*	60	Deere	344H	2	1*	60	1*	60
Caterpillar	914M	2.5	1*	65	1*	60	Deere	344K	1.75	1*	60	1*	60
Caterpillar	916	2	1*	60	1*	60	Deere	344L	2	1*	60	1*	60
Caterpillar	918F	2	1*	60	1*	60	Deere	344L HL	2	1*	65	1*	60
Caterpillar	918M	2.5	1*	70	1*	60	Deere	444	1.5	1*	60	1*	60
Caterpillar	924F	2.25	1*	65	1*	60	Deere	444C	1.75	1*	60	1*	60
Caterpillar	924Gz	2.3	1*	65	1*	60	Deere	444D	1.75	1*	60	1*	60
Caterpillar	924K	2.5	1*	85	1*	60	Deere	444E	1.75	1*	60	1*	60
Caterpillar	926	1.75	1*	60	1*	60	Deere	444G	1.75	1*	60	1*	60
Caterpillar	926E	2.25	1*	65	1*	60	Deere	444H	2.5	1*	70	1*	60
Caterpillar	926M	2.5	1*	85	1*	60	Deere	444H HL	2.5	1*	75	1*	60
Caterpillar	928F	2.6	1*	75	1*	60	Deere	444K Z-bar	2.5	1*	75	1*	60
Caterpillar	928G	2.6	1*	75	1*	60	Deere	444K HL	2.5	1*	80	1*	60
Caterpillar	930	2.25	1*	65	1*	60	Deere	444K Powerllel	2.5	1*	85	1*	60
Caterpillar	936	2.75	1*	85	1*	60	Deere	544B	1.75	1*	60	1*	60
Caterpillar	936E	3	1*	90	1*	60	Deere	544C	2	1*	65	1*	60
Caterpillar	936F	3	1*	90	1*	60	Deere	544D	2.2	1*	65	1*	60
Case	W14C	1.7	1*	60	1*	60	Deere	544E	2.2	1*	65	1*	60
Case	W18	2	1*	60	1*	60	Deere	544G	2.5	1*	70	1*	60
Case	W18B	2	1*	60	1*	60	Deere	544G-TC	2.5	1*	75	1*	60
Case	W20	2	1*	65	1*	60	Deere	TC44H	2	1*	60	1*	60
Case	W20B	2.5	1*	70	1*	60	Deere	TC54H	2.5	1*	65	1*	60
Case	W20C	2	1*	60	1*	60	Deere	TC62H	3	1*	70	1*	60
Case	W24B	2.5	1*	70	1*	60	Fiatallis	FR7B	1.4	1*	60	1*	60
Case	W24C	3	1*	80	1*	60	Fiatallis	FR7C	1.4	1*	60	1*	60
Case	521D	2	1*	60	1*	60	Fiatallis	FR70	1.4	1*	60	1*	60
Case	521G Z-Bar	2.1	1*	65	1*	60							

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## 17.5R25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: &lt;250 ft, &lt; 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)	Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Fiatallis	345B	1.5	1*	60	1*	60	JCB	417HT	2	1*	60	1*	60
Fiatallis	FR9B PL	1.7	1*	60	1*	60	JCB	417HT HL	2	1*	60	1*	60
Fiatallis	FR90 PL	1.8	1*	60	1*	60	JCB	417HT SHL	2	1*	70	1*	60
Fiatallis	FR9B	1.8	1*	60	1*	60	Kawasaki	50ZIV	1.7	1*	60	1*	60
Fiatallis	FR9C	1.8	1*	60	1*	60	Kawasaki	50ZIV-2	2	1*	60	1*	60
Fiatallis	FR90	1.8	1*	60	1*	60	Kawasaki	60Z	2.1	1*	60	1*	60
Fiatallis	FR10	2	1*	60	1*	60	Kawasaki	60ZII	2.1	1*	60	1*	60
Fiatallis	FR10B	2.2	1*	65	1*	60	Kawasaki	60ZIII	2.1	1*	60	1*	60
Fiatallis	FR10C	2.25	1*	65	1*	60	Kawasaki	60ZIV	2.1	1*	60	1*	60
Fiatallis	FR100	2.25	1*	65	1*	60	Kawasaki	60ZIV-2	2.5	1*	65	1*	60
Fiatallis	FR11	2.5	1*	75	1*	60	Kawasaki	60Z7	2	1*	60	1*	60
Fiatallis	FR12	2.5	1*	75	1*	60	Kawasaki	60ZV-2	2.2	1*	60	1*	60
Fiatallis	FR12B	2.5	1*	70	1*	60	Kawasaki	60ZV-2 HL	2.2	1*	65	1*	60
Fiatallis	FR120	2.5	1*	70	1*	60	Kawasaki	60ZV-2 SHL	2.2	1*	70	1*	60
Fiatallis	FR120-2	2.5	1*	75	1*	60	Kawasaki	62Z7	2.75	1*	75	1*	60
Fiatallis	FW130	2.75	1*	80	1*	60	Kawasaki	65TM-2	2.6	2*	CT	1*	60
Fiatallis	FW110	2.2	1*	65	1*	60	Kawasaki	65Z	2.3	1*	65	1*	60
Fiat Hitachi	W110	2.1	1*	60	1*	60	Kawasaki	65ZII	2.3	1*	65	1*	60
Fiat Hitachi	W130 PL	2.6	1*	75	1*	60	Kawasaki	65ZIII	2.6	1*	70	1*	60
Furukawa	FL120-I	1.7	1*	60	1*	60	Kawasaki	65ZIV	2.6	1*	75	1*	60
Furukawa	FL120A-I	1.7	1*	60	1*	60	Kawasaki	65ZIV-2	3	1*	80	1*	60
Hitachi	ZW120	2	1*	60	1*	60	Kawasaki	65ZV-2	3	1*	80	1*	60
Hitachi	ZW120 HL	1.75	1*	60	1*	60	Kawasaki	65ZV-2 HL	2.8	1*	80	1*	60
Hitachi	ZW120-6	2	1*	60	1*	60	Kawasaki	65ZV-2 SHL	2.8	1*	85	1*	60
Hitachi	ZW120-6 HL	2	1*	60	1*	60	Komatsu	WA120-1	1.75	1*	60	1*	60
Hitachi	ZW140	2.6	1*	70	1*	60	Komatsu	WA120-3	1.85	1*	60	1*	60
Hitachi	ZW140 HL	2	1*	65	1*	60	Komatsu	WA150-5	2	1*	60	1*	60
Hitachi	ZW140-6	2.7	1*	75	1*	60	Komatsu	WA180-1	2.25	1*	65	1*	60
Hitachi	ZW140-6 HL	2.7	1*	80	1*	60	Komatsu	WA180-3	2.9	1*	75	1*	60
Hyundai	HL17	2.4	1*	75	1*	60	Komatsu	WA180-3 PTC	2.5	1*	70	1*	60
Hyundai	HL730-9A	2.5	1*	70	1*	60	Komatsu	WA200-5	2.6	1*	70	1*	60
Hyundai	HL730XTD-9A	2.5	1*	75	1*	60	Komatsu	WA200-6	2.6	1*	70	1*	60
Hyundai	HL730TM-9A	2.2	1*	70	1*	60	Komatsu	WA200PZ-6	2.6	1*	75	1*	60
Hyundai	HL740-9A	3	1*	90	1*	60	Komatsu	WA200-7	2.6	1*	75	1*	60
Hyundai	HL740XTD-9A	3	2*	CT	1*	60	Komatsu	WA200-8	2.6	1*	75	1*	60
Hyundai	HL740TM-9A	3	2*	CT	1*	65	Komatsu	WA250-5	3	1*	80	1*	60
Hyundai	HL757-9A	3.7	2*	CT	1*	65	Komatsu	WA250-6	3	1*	75	1*	60
Hyundai	HL757XTD-9A	3.7	CT	CT	1*	75	Komatsu	WA250PZ-6	2.9	1*	85	1*	60
Hyundai	HL757TM-9A	3.5	CT	CT	1*	70	Komatsu Dresser	512	1.7	1*	60	1*	60
Hyundai	HL940	3	1*	90	1*	60	Komatsu Dresser	515B	1.6	1*	60	1*	60
Hyundai	HL940 XT	3	2*	CT	1*	60	Komatsu Dresser	515C	2	1*	60	1*	60
Hyundai	HL955	3.1	2*	CT	1*	60	Komatsu Dresser	515CH	2	1*	60	1*	60
Hyundai	HL955 XTD	3.1	2*	CT	1*	65							
JCB	411HT	1.6	1*	60	1*	60							
JCB	416HT	2.2	1*	65	1*	60							

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**17.5R25 LOADER USAGE CHART CONTINUED**

For Standard Loader Service: &lt;250 ft, &lt; 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Komatsu Dresser	518	2.2	1*	65	1*	60
Komatsu Dresser	520B	2.25	1*	65	1*	60
Komatsu Dresser	520C	2.5	1*	70	1*	60
Liebherr	L524 Z-bar	2.7	1*	75	1*	60
Liebherr	L524	2.4	1*	75	1*	60
Liebherr	L524 HL	2.4	1*	80	1*	60
Liebherr	L526 Z-bar	2.75	1*	75	1*	60
Liebherr	L526	2.75	1*	85	1*	60
Liebherr	L526 HL	2.75	1*	90	1*	60
Liebherr	L528 Z-bar	3	1*	80	1*	60
Liebherr	L528	2.7	1*	80	1*	60
Liebherr	L528 HL	2.7	1*	90	1*	60
Terex	33C	1.75	1*	60	1*	60
Terex	44C	2.25	1*	75	1*	60
Volvo	L45H	2	1*	60	1*	60
Volvo	L50C	2	1*	60	1*	60
Volvo	L50D	2	1*	60	1*	60
Volvo	L50H	2.1	1*	65	1*	60
Volvo	L60G	2.75	1*	80	1*	60
Volvo	L60H	2.75	1*	75	1*	60
Volvo	L70B	2.1	1*	65	1*	60
Volvo	L70C	2.5	1*	70	1*	60
Volvo	L70D	2.5	1*	75	1*	60

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services  
HL - High Lift, extended booms, etc.

## 20.5R25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)	Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	IT38F	3.25	1*	70	1*	60	Case	621G XT	2.8	1*	65	1*	60
Caterpillar	IT38G	3.3	1*	70	1*	60	Case	721	2.75	1*	60	1*	60
Caterpillar	IT38H	3.3	1*	80	1*	60	Case	721B	2.75	1*	60	1*	60
Caterpillar	924G	2.3	1*	60	1*	60	Case	721B XT	2.75	1*	65	1*	60
Caterpillar	924H	2.4	1*	60	1*	60	Case	721C	2.75	1*	65	1*	60
Caterpillar	924Hz	2.3	1*	60	1*	60	Case	721E	3.5	1*	70	1*	60
Caterpillar	924K	2.5	1*	65	1*	60	Case	721E XT	3	1*	65	1*	60
Caterpillar	926M	2.5	1*	65	1*	60	Case	721E XR	3	1*	70	1*	60
Caterpillar	928Hz	2.6	1*	60	1*	60	Case	721F	3	1*	65	1*	60
Caterpillar	930H	2.7	1*	60	1*	60	Case	721F XT	3	1*	70	1*	60
Caterpillar	930K	2.75	1*	65	1*	60	Case	721F XR	3	1*	70	1*	60
Caterpillar	930M	2.75	1*	70	1*	60	Case	721G Z-Bar	3	1*	65	1*	60
Caterpillar	930M HL	2.7	1*	70	1*	60	Case	721G Z-Bar	2.8	1*	65	1*	60
Caterpillar	936F TC	3	1*	65	1*	60	Case	721G Z-Bar	3.25	1*	70	1*	60
Caterpillar	938F	3.25	1*	70	1*	60	Case	721G XR	3	1*	70	1*	60
Caterpillar	938G	3.25	1*	70	1*	60	Case	721G XR	2.8	1*	70	1*	60
Caterpillar	938H	3.65	1*	80	1*	60	Case	721G XR	3.25	1*	75	1*	60
Caterpillar	938K	3.25	1*	75	1*	60	Case	721G XT	3	1*	70	1*	60
Caterpillar	938M	3.25	1*	80	1*	60	Case	721G XT	2.8	1*	70	1*	60
Caterpillar	950B	3.75	1*	85	1*	60	Case	W30	3.5	1*	65	1*	60
Caterpillar	950F	4	1*	90	1*	60	Daewoo	Mega 250-III	3.1	1*	70	1*	60
Case	521G Z-Bar	2.1	1*	60	1*	60	Deere	444K Z-bar	2.5	1*	60	1*	60
Case	521G Z-Bar	2	1*	60	1*	60	Deere	444K HL	2.5	1*	60	1*	60
Case	521G Z-Bar	2.3	1*	60	1*	60	Deere	444K Powerllel	2.5	1*	60	1*	60
Case	521G XR	2.1	1*	60	1*	60	Deere	524K	2.75	1*	60	1*	60
Case	521G XR	2	1*	60	1*	60	Deere	524K HL	2.75	1*	60	1*	60
Case	521G XR	2.3	1*	60	1*	60	Deere	524L	2.75	1*	60	1*	60
Case	521G XT	2.1	1*	60	1*	60	Deere	524L HL	2.75	1*	65	1*	60
Case	521G XT	2	1*	60	1*	60	Deere	544H	3	1*	65	1*	60
Case	621B	2.25	1*	60	1*	60	Deere	544H HL	3	1*	65	1*	60
Case	621B	3	1*	65	1*	60	Deere	544J	3	1*	65	1*	60
Case	621B XT	2.25	1*	60	1*	60	Deere	544J HL	3	1*	65	1*	60
Case	621D	2.5	1*	60	1*	60	Deere	544K	3	1*	65	1*	60
Case	621E	3	1*	65	1*	60	Deere	544K HL	3	1*	65	1*	60
Case	621E XT	3	1*	65	1*	60	Deere	544L	3	1*	65	1*	60
Case	621E XR	3	1*	65	1*	60	Deere	544L HL	2.75	1*	65	1*	60
Case	621G Z-Bar	2.5	1*	60	1*	60	Deere	624E	2.6	1*	60	1*	60
Case	621G Z-Bar	2.4	1*	60	1*	60	Deere	624G	3.25	1*	70	1*	60
Case	621G Z-Bar	2.75	1*	60	1*	60	Deere	624H	3.5	1*	70	1*	60
Case	621G XR	2.5	1*	60	1*	60	Deere	624H HL	3	1*	70	1*	60
Case	621G XR	2.4	1*	60	1*	60	Deere	624K	3.5	1*	75	1*	60
Case	621G XR	2.75	1*	65	1*	60	Deere	624K HL	3.5	1*	75	1*	60
Case	621G XT	2.5	1*	60	1*	60	Deere	624L	3.5	1*	75	1*	60
Case	621G XT	2.4	1*	60	1*	60	Deere	624L HL	3.5	1*	80	1*	60
Case	621G XT	3	1*	70	1*	60	Deere	644B	2.5	1*	60	1*	60

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## 20.5R25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: &lt;250 ft, &lt; 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)	Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Deere	644C	3	1*	65	1*	60	Hyundai	HL740-7A	2.7	1*	60	1*	60
Doosan	DL200	2.6	1*	60	1*	60	Hyundai	HL740TM-7A	2.6	1*	60	1*	60
Doosan	DL200TC	2.6	1*	60	1*	60	Hyundai	HL740XTD-7A	2.7	1*	60	1*	60
Doosan	DL200-5	2.6	1*	60	1*	60	Hyundai	HL740-9A	3	1*	70	1*	60
Doosan	DL200-5 HL	2.6	1*	60	1*	60	Hyundai	HL740XTD-9A	3	1*	70	1*	60
Doosan	DL200TC-5	2.6	1*	60	1*	60	Hyundai	HL740TM-9A	3	1*	75	1*	60
Doosan	DL220-5	3	1*	65	1*	60	Hyundai	HL750	3	1*	65	1*	60
Doosan	DL220-5 HL	3	1*	65	1*	60	Hyundai	HL757-7A	3.5	1*	75	1*	60
Doosan	DL250	3.3	1*	70	1*	60	Hyundai	HL757TM-7A	3.3	1*	80	1*	60
Doosan	DL250TC	3.4	1*	75	1*	60	Hyundai	HL757XTD-7A	3.5	1*	80	1*	60
Doosan	DL250HL	3.4	1*	75	1*	60	Hyundai	HL757-9A	3.7	1*	80	1*	60
Doosan	DL250-5	3.3	1*	70	1*	60	Hyundai	HL757XTD-9A	3.7	1*	85	1*	60
Doosan	DL250-5 HL	3.3	1*	75	1*	60	Hyundai	HL757TM-9A	3.5	1*	85	1*	60
Doosan	DL250TC-5	3.3	1*	75	1*	60	Hyundai	HL760-9A	4.3	2*	CT	1*	60
Doosan	DL280-5	3.7	1*	80	1*	60	Hyundai	HL760XTD-9A	4.3	2*	CT	1*	60
Doosan	DL280-5 HL	3.7	1*	85	1*	60	Hyundai	HL940	3	1*	65	1*	60
Dressta	520E	2.3	1*	60	1*	60	Hyundai	HL940 XT	3	1*	70	1*	60
Fiatallis	FR130	3	1*	65	1*	60	Hyundai	HL955	3.1	1*	70	1*	60
Fiatallis	FR130-2	3	1*	65	1*	60	Hyundai	HL955 XTD	3.1	1*	75	1*	60
Fiatallis	FR140	3	1*	65	1*	60	Hyundai	HL960	3.8	1*	90	1*	60
Fiatallis	FR140-2	3.25	1*	70	1*	60	Hyundai	HL960 XT	3.8	1*	90	1*	60
Fiatallis	FR15	3	1*	70	1*	60	JCB	417HT	2	1*	60	1*	60
Fiatallis	FR15B	3.1	1*	70	1*	60	JCB	417HT HL	2	1*	60	1*	60
Fiat Hitachi	W170 PL	3.9	1*	80	1*	60	JCB	417HT SHL	2	1*	60	1*	60
Furukawa	FL150-I	2	1*	60	1*	60	JCB	426HT	2.5	1*	60	1*	60
Furukawa	FL200-I	2.6	1*	60	1*	60	JCB	426HT	2.75	1*	65	1*	60
Furukawa	FL230-I	3.1	1*	70	1*	60	JCB	426ZX	2.5	1*	60	1*	60
Hitachi	ZW140-5	3	1*	60	1*	60	JCB	426ZX	2.75	1*	60	1*	60
Hitachi	ZW140-5 HL	2.1	1*	60	1*	60	JCB	436HT	3.5	1*	75	1*	60
Hitachi	ZW140-6	2.7	1*	60	1*	60	JCB	436ZX	3.5	1*	75	1*	60
Hitachi	ZW140-6 HL	2.7	1*	65	1*	60	JCB	456HT	4.6	2*	CT	1*	70
Hitachi	ZW150	3	1*	60	1*	60	Kawasaki	62Z7	2.75	1*	60	1*	60
Hitachi	ZW150 HL	2.6	1*	60	1*	60	Kawasaki	62Z7 HL	2.75	1*	60	1*	60
Hitachi	ZW150-5	3.3	1*	65	1*	60	Kawasaki	65ZV-2	3	1*	60	1*	60
Hitachi	ZW150-5 HL	2.6	1*	60	1*	60	Kawasaki	65TMV-2	2.5	1*	60	1*	60
Hitachi	ZW150-6	3.1	1*	65	1*	60	Kawasaki	67Z7	3.1	1*	65	1*	60
Hitachi	ZW150-6 HL	3.1	1*	70	1*	60	Kawasaki	67Z7 HL	3.1	1*	65	1*	60
Hitachi	ZW150PL-6	2.7	1*	60	1*	60	Kawasaki	70Z	3	1*	65	1*	60
Hitachi	ZW180	3.6	1*	75	1*	60	Kawasaki	70ZII	3	1*	65	1*	60
Hitachi	ZW180 HL	3.1	1*	75	1*	60	Kawasaki	70ZIII	3.25	1*	65	1*	60
Hitachi	ZW180-5	3.7	1*	75	1*	60	Kawasaki	70ZIV	3.25	1*	70	1*	60
Hitachi	ZW180-5 HL	3.1	1*	75	1*	60	Kawasaki	70ZIV-2	3.5	1*	70	1*	60
Hitachi	ZW180-6	3.7	1*	75	1*	60	Kawasaki	70ZV-2	3.5	1*	70	1*	60
Hitachi	ZW180-6 HL	3.7	1*	80	1*	60	Kawasaki	70TMV-2	3.4	1*	80	1*	60
Hyundai	HL25	3.5	1*	80	1*	60	Kawasaki	70Z7	3.7	1*	75	1*	60

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## 20.5R25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: &lt;250 ft, &lt; 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Kawasaki	70Z7 HL	3.7	1*	80	1*	60
Kawasaki	80ZV-2	4.2	1*	90	1*	60
Komatsu	WA200-5	2.6	1*	60	1*	60
Komatsu	WA200-6	2.6	1*	60	1*	60
Komatsu	WA200PZ-6	2.5	1*	60	1*	60
Komatsu	WA200-7	2.6	1*	60	1*	60
Komatsu	WA200-8	2.6	1*	60	1*	60
Komatsu	WA250-1	3	1*	60	1*	60
Komatsu	WA250-3	3.5	1*	65	1*	60
Komatsu	WA250-3 PTC	3	1*	65	1*	60
Komatsu	WA250-5	3	1*	60	1*	60
Komatsu	WA250-6	3	1*	60	1*	60
Komatsu	WA250PZ-6	3	1*	65	1*	60
Komatsu	WA270-7	3	1*	65	1*	60
Komatsu	WA270-8	3	1*	65	1*	60
Komatsu	WA320-1	3.25	1*	70	1*	60
Komatsu	WA320-3	4.2	1*	80	1*	60
Komatsu	WA320-6	3.7	1*	75	1*	60
Komatsu	WA320PZ-6	3.5	1*	80	1*	60
Komatsu	WA320-7	3.7	1*	80	1*	60
Komatsu	WA320-8	3.7	1*	80	1*	60
Komatsu Dresser	520CH	2.5	1*	60	1*	60
Komatsu Dresser	525	2.7	1*	60	1*	60
Komatsu Dresser	530	3	1*	65	1*	60
Komatsu Dresser	530C	3	1*	65	1*	60
Komatsu Dresser	532	3.2	1*	70	1*	60
Liebherr	L538 Z-bar	3.4	1*	70	1*	60
Liebherr	L538	3	1*	65	1*	60
Liebherr	L538 HL	3	1*	70	1*	60
Liebherr	L542 Z-bar	3.7	1*	75	1*	60
Liebherr	L542	3.3	1*	70	1*	60
Liebherr	L542 HL	3.3	1*	75	1*	60
Liebherr	L546 Z-bar	3.6	1*	75	1*	60
Liebherr	L546	3.25	1*	70	1*	60
Liebherr	L546 HL	3.25	1*	75	1*	60
New Holland	W170B	3	1*	65	1*	60
New Holland	W170B TC/LR	3	1*	65	1*	60
Terex	55C	3	1*	65	1*	60
Terex	TL210	4.6	1*	85	1*	60
Terex	TL260	5.9	2*	CT	1*	70
Volvo	L60F	2.7	1*	60	1*	60

Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Volvo	L60G	2.75	1*	60	1*	60
Volvo	L60H	2.75	1*	60	1*	60
Volvo	L70B	2.1	1*	60	1*	60
Volvo	L70C	2.5	1*	60	1*	60
Volvo	L70D	2.5	1*	60	1*	60
Volvo	L70F	3	1*	65	1*	60
Volvo	L70G	3	1*	65	1*	60
Volvo	L70H	3	1*	70	1*	60
Volvo	L90B	3	1*	65	1*	60
Volvo	L90C	3.5	1*	75	1*	60
Volvo	L90D	3.5	1*	80	1*	60
Volvo	L90E	3.25	1*	75	1*	60
Volvo	L90F	3.5	1*	80	1*	60
Volvo	L90G	3.25	1*	75	1*	60
Volvo	L90H	3.25	1*	75	1*	60

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services  
HL - High Lift, extended booms, etc.

## 23.5R25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)	Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	924K	2.5	1*	60	1*	60	Case	921G Z-Bar	4.6	1*	80	1*	60
Caterpillar	926M	2.5	1*	60	1*	60	Case	W36	4	1*	65	1*	60
Caterpillar	930K	2.75	1*	60	1*	60	Daewoo	Mega 300	3.8	1*	65	1*	60
Caterpillar	930M	2.75	1*	60	1*	60	Daewoo	Mega 300-III	2.9	1*	60	1*	60
Caterpillar	938K	3.25	1*	60	1*	60	Deere	644D	3.2	1*	60	1*	60
Caterpillar	938M	3.25	1*	60	1*	60	Deere	644E	3.2	1*	60	1*	60
Caterpillar	950F TC	4	1*	70	1*	60	Deere	644G	4	1*	65	1*	60
Caterpillar	950E	4	1*	70	1*	60	Deere	644H	4.25	1*	70	1*	60
Caterpillar	950F-II	4	1*	70	1*	60	Deere	644H-HL	4.25	1*	70	1*	60
Caterpillar	950G	3.9	1*	70	1*	60	Deere	644H-MH	4.5	1*	70	1*	60
Caterpillar	950GC	4	1*	75	1*	60	Deere	644H-WH	6	1*	90	1*	60
Caterpillar	950G -II	2.7	1*	60	1*	60	Deere	644K	4.25	1*	70	1*	60
Caterpillar	950H	4	1*	70	1*	60	Deere	644K-HL	4.25	1*	75	1*	60
Caterpillar	950K	4	1*	65	1*	60	Deere	644K-WH	5	1*	85	1*	60
Caterpillar	950L	7.5	1*	70	1*	60	Deere	724J	4.75	1*	75	1*	60
Caterpillar	950M	4.5	1*	80	1*	60	Deere	724J-HL	4.25	1*	75	1*	60
Caterpillar	960F	4.5	1*	80	1*	60	Deere	724K	4.75	1*	75	1*	60
Caterpillar	962G	4.25	1*	75	1*	60	Deere	724K-HL	4.25	1*	75	1*	60
Caterpillar	962H	4.25	1*	75	1*	60	Doosan	DL300	4.2	1*	70	1*	60
Caterpillar	962K	4.4	1*	70	1*	60	Doosan	DL300-5	4.2	1*	70	1*	60
Caterpillar	962L	3.9	1*	70	1*	60	Doosan	DL300-5 HL	4.2	1*	75	1*	60
Caterpillar	962M	4.7	1*	85	1*	60	Doosan	DL350-5	4.8	1*	80	1*	60
Caterpillar	966C	4	1*	70	1*	60	Doosan	DL350-5 HL	4.8	1*	85	1*	60
Caterpillar	966D	4.25	1*	80	1*	60	Fiatallis	FR160	3.6	1*	60	1*	60
Caterpillar	IT62H	4.25	1*	75	1*	60	Fiatallis	FR160-2	4	1*	65	1*	60
Case	821	3.5	1*	60	1*	60	Fiatallis	FR180	4	1*	65	1*	60
Case	821B	3.5	1*	60	1*	60	Fiatallis	FR180-2	4	1*	65	1*	60
Case	821C	3.5	1*	60	1*	60	Fiatallis	FR20	4.5	1*	75	1*	60
Case	821E	4.5	1*	70	1*	60	Fiatallis	FR20B	4.6	1*	80	1*	60
Case	821E XR	4.5	1*	75	1*	60	Fiat Hitachi	W190	3.3	1*	60	1*	60
Case	821F	3.5	1*	65	1*	60	Fiat Hitachi	W230	4.6	1*	75	1*	60
Case	821F XR	3.5	1*	65	1*	60	Fiat Hitachi	FR160-2	4	1*	65	1*	60
Case	821G XR	3.2	1*	70	1*	60	Hitachi	ZW180-6	3.7	1*	60	1*	60
Case	821G XR	3.5	1*	65	1*	60	Hitachi	ZW180-6 HL	3.7	1*	65	1*	60
Case	821G XR	4.25	1*	75	1*	60	Hitachi	ZW220	4.2	1*	70	1*	60
Case	821G Z-Bar	3.2	1*	60	1*	60	Hitachi	ZW220 HL	3.5	1*	65	1*	60
Case	821G Z-Bar	3.5	1*	65	1*	60	Hitachi	ZW220-5	4.5	1*	75	1*	60
Case	821G Z-Bar	4.25	1*	70	1*	60	Hitachi	ZW220-5 HL	3.5	1*	65	1*	60
Case	921F	4.75	1*	80	1*	60	Hitachi	ZW220-6	4.2	1*	70	1*	60
Case	921F XR	4.75	1*	85	1*	60	Hitachi	ZW220-6 HL	4.2	1*	75	1*	60
Case	921G XR	3.8	1*	75	1*	60	Hitachi	ZW250	4.5	1*	75	1*	60
Case	921G XR	4	1*	80	1*	60	Hitachi	ZW250 HL	4	1*	75	1*	60
Case	921G XR	4.6	1*	80	1*	60	Hitachi	ZW250-5	5.2	1*	85	1*	60
Case	921G Z-Bar	3.8	1*	70	1*	60	Hitachi	ZW250-5 HL	4	1*	75	1*	60
Case	921G Z-Bar	4	1*	75	1*	60	Hitachi	ZW250-6	4.8	1*	80	1*	60

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## 23.5R25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: &lt;250 ft, &lt; 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Hitachi	ZW250-6 HL	4.8	1*	85	1*	60
Hyundai	HL760	4	1*	70	1*	60
Hyundai	HL760-7A	4	1*	70	1*	60
Hyundai	HL760XTD-7A	4	1*	75	1*	60
Hyundai	HL760-9	4.3	1*	70	1*	60
Hyundai	HL760XTD-9	4.3	1*	75	1*	60
Hyundai	HL760-9A	4.3	1*	70	1*	60
Hyundai	HL760XTD-9A	4.3	1*	75	1*	60
Hyundai	HL770-7	5.2	1*	90	1*	60
Hyundai	HL770XTD-7	5.2	2*	CT	1*	60
Hyundai	HL770-7A	4	1*	75	1*	60
Hyundai	HL770XTD-7A	4	1*	80	1*	60
Hyundai	HL770-9	5.5	2*	CT	1*	60
Hyundai	HL770XTD-9	5.5	2*	CT	1*	60
Hyundai	HL770-9A	5.5	2*	CT	1*	60
Hyundai	HL770XTD-9A	5.5	2*	CT	1*	60
Hyundai	HL960	3.8	1*	70	1*	60
Hyundai	HL960 XT	3.8	1*	70	1*	60
Hyundai	HL970	4.7	1*	85	1*	60
Hyundai	HL970 XTD	4.7	1*	90	1*	60
Hyundai	HL35	4.8	1*	85	1*	60
JCB	456ZX	4.3	1*	75	1*	60
JCB	457HT	4.1	1*	75	1*	60
JCB	457HT SHL	4.1	1*	85	1*	60
JCB	457ZX	4.1	1*	70	1*	60
JCB	457ZX HL	4.1	1*	80	1*	60
Kawasaki	70ZV-2	3.5	1*	60	1*	60
Kawasaki	70ZV-2 HL	3.5	1*	60	1*	60
Kawasaki	70TMV-2	3.4	1*	65	1*	60
Kawasaki	70Z7	3.7	1*	60	1*	60
Kawasaki	70Z7 HL	3.7	1*	65	1*	60
Kawasaki	80Z	3.75	1*	65	1*	60
Kawasaki	80ZII	3.75	1*	65	1*	60
Kawasaki	80ZIII	3.75	1*	65	1*	60
Kawasaki	80ZIV	3.75	1*	65	1*	60
Kawasaki	80ZIV-2	4	1*	65	1*	60
Kawasaki	80ZV-2	4.2	1*	70	1*	60
Kawasaki	80Z7	4.2	1*	70	1*	60
Kawasaki	80Z7 HL	4.2	1*	75	1*	60
Kawasaki	85Z7	4.8	1*	80	1*	60
Kawasaki	85Z7 HL	4.8	1*	85	1*	60
Kawasaki	90Z7	5.5	2*	CT	1*	60
Kawasaki	90Z7 HL	5.5	2*	CT	1*	65
Kawasaki	90Z7B	5.5	2*	CT	1*	60
Kawasaki	90Z7B HL	5.5	2*	CT	1*	65
Komatsu	WA380-3	5.25	1*	80	1*	60
Komatsu	WA380-6	4.3	1*	70	1*	60
Komatsu	WA380-7	4.3	1*	70	1*	60
Komatsu	WA380-7 HL	3.8	1*	70	1*	60
Komatsu	WA380-8	4.3	1*	70	1*	60
Komatsu	WA380-8 HL	3.8	1*	70	1*	60
Komatsu	WA430-6	4.6	1*	75	1*	60
Komatsu Dresser	538	4	1*	70	1*	60
Komatsu Dresser	540	4.5	1*	70	1*	60
Liebherr	L550	4.2	1*	70	1*	60
Liebherr	L550 HL	3.4	1*	70	1*	60
Liebherr	L550XP	4.2	1*	70	1*	60
Liebherr	L550XP HL	3.4	1*	70	1*	60
Liebherr	L556	4.7	1*	75	1*	60
Liebherr	L556 HL	3.7	1*	70	1*	60
Liebherr	L556XP	4.7	1*	75	1*	60
Liebherr	L556XP HL	3.7	1*	75	1*	60
New Holland	W190B	3.44	1*	60	1*	60
New Holland	W190B LR	3.44	1*	65	1*	60
Terex	66C	4	1*	75	1*	60
Terex	70C	4.4	1*	75	1*	60
Terex	TL310	4	1*	70	1*	60
Volvo	L110F	4.4	1*	75	1*	60
Volvo	L110G	4.5	1*	75	1*	60
Volvo	L110H	4	1*	70	1*	60
Volvo	L120B	3.9	1*	60	1*	60
Volvo	L120C	4.7	1*	75	1*	60
Volvo	L120D	4.7	1*	80	1*	60
Volvo	L120F	4.7	1*	80	1*	60
Volvo	L120G	4.5	1*	75	1*	60
Volvo	L120H	4.25	1*	75	1*	60
Volvo	L150	4.5	1*	80	1*	60
Volvo	L150C	5.2	1*	85	1*	60
Volvo	L150D	5.2	2*	CT	1*	60

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services  
HL - High Lift, extended booms, etc.

## 26.5R25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)	Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	966E	5	1*	70	1*	60	Deere	744H-MH	5.75	1*	80	1*	60
Caterpillar	966F	5	1*	70	1*	60	Deere	744J	5.25	1*	75	1*	60
Caterpillar	966F-II	5	1*	70	1*	60	Deere	744J HL	5.25	1*	80	1*	60
Caterpillar	966G	4.75	1*	70	1*	60	Deere	744K	5.25	1*	75	1*	60
Caterpillar	966H	5.5	1*	75	1*	60	Deere	744K-HL	5.25	1*	80	1*	60
Caterpillar	966H	5.75	1*	75	1*	60	Deere	744K-II	5.25	1*	75	1*	60
Caterpillar	966K	5.5	1*	80	1*	60	Deere	744K-II HL	5.25	1*	80	1*	60
Caterpillar	966L	5.5	1*	75	1*	60	Deere	744L	5.25	1*	75	1*	60
Caterpillar	966M	5.5	1*	75	1*	60	Deere	744L HL	5.25	1*	80	1*	60
Caterpillar	966M XE	5.5	1*	75	1*	60	Deere	824J	6	1*	85	1*	60
Caterpillar	970F	5.25	1*	75	1*	60	Deere	824J HL	5.25	1*	80	1*	60
Caterpillar	972G	5.4	1*	75	1*	60	Deere	824K	6	1*	85	1*	60
Caterpillar	972H	5.5	1*	75	1*	60	Deere	824K-HL	6	1*	85	1*	60
Caterpillar	972K	5.5	1*	80	1*	60	Deere	824K-II	6	1*	85	1*	60
Caterpillar	972L	5.5	1*	80	1*	60	Deere	824K-II HL	6	1*	90	1*	60
Caterpillar	972M	6.3	1*	85	1*	60	Deere	824L	6	1*	85	1*	60
Caterpillar	972M XE	6	1*	80	1*	60	Deere	824L HL	6	2*	CT	1*	60
Case	921	4.75	1*	65	1*	60	Deere	844	6	1*	80	1*	60
Case	921B	4.75	1*	65	1*	60	Doosan	DL400	5.1	1*	70	1*	60
Case	921C	4.75	1*	65	1*	60	Doosan	DL420-5	5.5	1*	75	1*	60
Case	921E	5.75	1*	75	1*	60	Doosan	DL420-5 HL	5.5	1*	80	1*	60
Case	921E XR	5.75	1*	80	1*	60	Doosan	DL450	6.3	1*	85	1*	60
Case	921F	4.75	1*	65	1*	60	Doosan	DL450-3	5.88	1*	80	1*	60
Case	921F XR	4.75	1*	65	1*	60	Doosan	DL450-5	6.3	1*	85	1*	60
Case	1021G Z-Bar	4.75	1*	70	1*	60	Doosan	DL450-5 HL	6.3	1*	85	1*	60
Case	1021G Z-Bar	4.6	1*	70	1*	60	Fiatallis	FR220	5.1	1*	70	1*	60
Case	1021G Z-Bar	5.5	1*	80	1*	60	Fiatallis	FR220-2	5	1*	70	1*	60
Case	1021G XR	4.75	1*	75	1*	60	Fiat Hitachi	W270	5.2	1*	70	1*	60
Case	1021G XR	4.6	1*	75	1*	60	Fiat Hitachi	FR220-2	5	1*	70	1*	60
Case	1021G XR	5.5	1*	85	1*	60	Furukawa	FL330-I	4.3	1*	60	1*	60
Case	1121F Z-bar	5.25	1*	75	1*	60	Hitachi	ZW250-6	4.8	1*	65	1*	60
Case	1121F Z-bar	6.25	1*	85	1*	60	Hitachi	ZW250-6 HL	4.8	1*	70	1*	60
Case	1121F XR	5.25	1*	80	1*	60	Hitachi	ZW310	5.25	1*	70	1*	60
Case	1121F XR	6.25	2*	CT	1*	60	Hitachi	ZW310 HL	4.75	1*	70	1*	60
Case	1121G Z-Bar	5.25	1*	80	1*	60	Hitachi	ZW310-5	5.9	1*	80	1*	60
Case	1121G Z-Bar	5.1	1*	80	1*	60	Hitachi	ZW310-5 HL	5.25	1*	80	1*	60
Case	1121G Z-Bar	6.25	1*	90	1*	60	Hitachi	ZW310-6	5.5	1*	75	1*	60
Case	1121G XR	5.25	1*	85	1*	60	Hitachi	ZW310-6 HL	5.5	1*	80	1*	60
Case	1121G XR	5.1	1*	80	1*	60	Hitachi	ZW330-5	6.5	1*	90	1*	60
Case	1121G XR	6.25	2*	CT	1*	60	Hitachi	ZW330-5 HL	6	1*	90	1*	60
Daewoo	Mega 400	5.1	1*	70	1*	60	Hyundai	HL770	5	1*	75	1*	60
Daewoo	Mega 400-III	3.9	1*	65	1*	60	Hyundai	HL770-7	5.2	1*	70	1*	60
Deere	744E	5	1*	70	1*	60	Hyundai	HL770XTD-7	5.2	1*	75	1*	60
Deere	744H	5.25	1*	70	1*	60	Hyundai	HL770-7A	5.2	1*	70	1*	60
Deere	744H-HL	4.5	1*	70	1*	60	Hyundai	HL770XTD-7A	5.2	1*	75	1*	60

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## 26.5R25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: &lt;250 ft, &lt; 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Hyundai	HL770-9	5.5	1*	75	1*	60
Hyundai	HL770XTD-9	5.5	1*	80	1*	60
Hyundai	HL770-9A	5.5	1*	75	1*	60
Hyundai	HL770XTD-9A	5.5	1*	80	1*	60
Hyundai	HL780-7A	6.7	2*	CT	1*	60
Hyundai	HL780XTD-7A	6.7	2*	CT	1*	60
Hyundai	HL780-9	7.1	2*	CT	1*	60
Hyundai	HL780XTD-9	7.1	2*	CT	1*	65
Hyundai	HL780-9A	7.1	2*	CT	1*	60
Hyundai	HL780XTD-9A	7.1	2*	CT	1*	65
Hyundai	HL970	4.7	1*	70	1*	60
Hyundai	HL970 XTD	4.7	1*	70	1*	60
Hyundai	HL980	6.3	2*	CT	1*	60
Hyundai	HL980 XTD	6.3	2*	CT	1*	60
Kawasaki	85Z	4.2	1*	60	1*	60
Kawasaki	85ZII	4.2	1*	60	1*	60
Kawasaki	85ZIII	4.3	1*	65	1*	60
Kawasaki	85ZIV	4.3	1*	60	1*	60
Kawasaki	85ZIV-2	4.75	1*	65	1*	60
Kawasaki	85ZV-2	4.8	1*	65	1*	60
Kawasaki	85Z7	4.8	1*	65	1*	60
Kawasaki	85Z7 HL	4.8	1*	70	1*	60
Kawasaki	90ZIII	5	1*	70	1*	60
Kawasaki	90ZIV	5	1*	70	1*	60
Kawasaki	90ZIV-2	5.5	1*	75	1*	60
Kawasaki	90ZV	5.2	1*	75	1*	60
Kawasaki	90ZV	4.25	1*	65	1*	60
Kawasaki	90ZV-2	5.2	1*	70	1*	60
Kawasaki	90Z7	5.5	1*	75	1*	60
Kawasaki	90Z7 HL	5.5	1*	80	1*	60
Kawasaki	90Z7B	5.5	1*	75	1*	60
Kawasaki	90Z7B HL	5.5	1*	80	1*	60
Kawasaki	92ZV-2	6	1*	85	1*	60
Kawasaki	92Z7	6.3	1*	85	1*	60
Kawasaki	92Z7 HL	6.3	2*	CT	1*	60
Kawasaki	95ZV-2	7	2*	CT	1*	65
Komatsu	WA420-1	4.75	1*	65	1*	60
Komatsu	WA420-3	6	1*	70	1*	60
Komatsu	WA430-6	4.6	1*	60	1*	60
Komatsu	WA450-2	5.5	1*	75	1*	60
Komatsu	WA450-3	6.8	1*	85	1*	60
Komatsu	WA470-6	5.5	1*	75	1*	60
Komatsu	WA470-7	5.5	1*	75	1*	60
Komatsu	WA470-8	5	1*	75	1*	60
Komatsu	WA470-8 HL	5	1*	75	1*	60
Komatsu	WA480-6	6	1*	80	1*	60
Komatsu	WA480-8	6	1*	85	1*	60
Komatsu Dresser	542	4.75	1*	65	1*	60
Komatsu Dresser	545	5.5	1*	80	1*	60
Komatsu Dresser	550	5.25	1*	75	1*	60
Liebherr	L566	5.2	1*	70	1*	60
Liebherr	L566 HL	4.6	1*	70	1*	60
Liebherr	L566 XP	5.5	1*	80	1*	60
Liebherr	L576	6.15	1*	85	1*	60
Liebherr	L576 HL	5.5	1*	80	1*	60
Liebherr	L580	6.5	1*	85	1*	60
Liebherr	L580 HL	5.9	1*	80	1*	60
Liebherr	L580 XP	6.8	2*	CT	1*	60
Terex	80C	5.5	1*	80	1*	60
Volvo	L150C	5.2	1*	70	1*	60
Volvo	L150D	5.2	1*	75	1*	60
Volvo	L150F	5.8	1*	80	1*	60
Volvo	L150G	6.8	1*	90	1*	60
Volvo	L150H	5.25	1*	75	1*	60
Volvo	L180	5.5	1*	75	1*	60
Volvo	L180C	6	1*	80	1*	60
Volvo	L180D	6.3	1*	85	1*	60
Volvo	L180F	6.3	1*	85	1*	60
Volvo	L180G	7.6	2*	CT	1*	60
Volvo	L180H	5.75	1*	85	1*	60
Volvo	L190	5.2	1*	80	1*	60
Volvo	L190B	5.2	1*	80	1*	60

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CT - Contact Titan Technical services  
HL - High Lift, extended booms, etc.

## 29.5R25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	980C	6.75	1*	80	1*	60
Caterpillar	980F	7	1*	80	1*	60
Caterpillar	980F-II	7	1*	80	1*	60
Caterpillar	980G	7	1*	85	1*	60
Caterpillar	980H	7.5	1*	85	1*	60
Caterpillar	980K	7.5	1*	85	1*	60
Caterpillar	980M	7.5	1*	80	1*	60
Case	1221E	9.2	1*	60	1*	60
Case	1221E XR	9.2	1*	60	1*	60
Deere	744J	5.25	1*	60	1*	60
Deere	744J HL	5.25	1*	65	1*	60
Deere	824J	6	1*	70	1*	60
Deere	824J HL	5.25	1*	70	1*	60
Deere	824K	6	1*	70	1*	60
Deere	824K HL	6	1*	75	1*	60
Deere	824K-II	6	1*	70	1*	60
Deere	824K-II HL	6	1*	75	1*	60
Deere	844J	7.25	1*	85	1*	60
Deere	844K	7.25	1*	85	1*	60
Deere	844K-II	7.25	1*	85	1*	60
Deere	844K-III	7.25	1*	85	1*	60
Deere	844L	7.25	1*	85	1*	60
Doosan	DL500	6.8	1*	80	1*	60
Doosan	DL550-5	7.5	1*	85	1*	60
Doosan	DL550-5 HL	7.5	2*	CT	1*	60
Furukawa	FL460	6	1*	75	1*	60
Hitachi	ZW370-5	8.1	2*	CT	1*	60
Hitachi	ZW370-5 HL	7.3	2*	CT	1*	60
Hitachi	ZW370-6	7.3	1*	85	1*	60
Hitachi	ZW370-6 HL	7.3	2*	CT	1*	60
Hyundai	HL780-7A	6.7	1*	75	1*	60
Hyundai	HL780XTD-7A	6.7	1*	80	1*	60
Hyundai	HL780-9	7.1	1*	80	1*	60
Hyundai	HL780XTD-9	7.1	1*	85	1*	60
Hyundai	HL780-9A	7.1	1*	80	1*	60
Hyundai	HL780XTD-9A	7.1	1*	85	1*	60
Hyundai	HL980	6.3	1*	75	1*	60
Hyundai	HL980 XTD	6.3	1*	80	1*	60
Kawasaki	95Z	6	1*	70	1*	60
Kawasaki	95ZII	6	1*	70	1*	60
Kawasaki	95ZIII	6.5	1*	80	1*	60
Kawasaki	95ZIV	6.5	1*	75	1*	60
Kawasaki	95ZIV-2	7.25	1*	80	1*	60
Kawasaki	95ZIV-3	7.25	1*	80	1*	60
Kawasaki	95ZV-2	7	1*	80	1*	60
Kawasaki	95Z7	7.3	1*	90	1*	60

Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Kawasaki	95Z7 HL	7.3	2*	CT	1*	60
Komatsu	WA500-1	6	1*	75	1*	60
Komatsu	WA500-3	7.2	1*	80	1*	60
Komatsu	WA500-6	7.3	1*	85	1*	60
Komatsu	WA500-7	7.3	1*	85	1*	60
Komatsu	WA500-7 HL	5.9	1*	80	1*	60
Komatsu	WA500-7 SM	5.25	1*	80	1*	60
Komatsu	WA500-8	7.6	1*	90	1*	60
Komatsu	WA500-8 HL	5.9	1*	80	1*	60
Komatsu Dresser	555	6	1*	80	1*	60
Komatsu Dresser	558	6	1*	75	1*	60
Liebherr	L586	7.85	1*	90	1*	60
Liebherr	L586 HL	7.2	1*	85	1*	60
Liebherr	L586XP	7.8	2*	CT	1*	60
Volvo	L190	5.2	1*	65	1*	60
Volvo	L190B	5.2	1*	65	1*	60
Volvo	L220D	7	1*	75	1*	60
Volvo	L220E	7.1	1*	85	1*	60
Volvo	L220F	6.3	1*	80	1*	60
Volvo	L220F	7.8	1*	90	1*	60
Volvo	L220G	8.2	2*	CT	1*	60
Volvo	L220H	6.8	1*	80	1*	60
Volvo	L260H	8.4	2*	CT	1*	60
Volvo	L260H HL	7.2	1*	85	1*	60

**For service under chains, or load and carry operations, contact Titan Technical Services.**

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CT - Contact Titan Technical services  
HL - High Lift, extended booms, etc.

**750/65R25 LOADER USAGE CHART**

For Standard Loader Service: &lt;250 ft, &lt; 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	950K	4	1*	60	1*	60
Caterpillar	950M	4.5	1*	65	1*	60
Caterpillar	962K	4.5	1*	65	1*	60
Caterpillar	962M	4.7	1*	65	1*	60
Caterpillar	966H	4.75	1*	65	1*	60
Caterpillar	972H	5.5	1*	75	1*	60
Deere	644K	4.25	1*	60	1*	60
Deere	644K-HL	4.25	1*	60	1*	60
Deere	724J	4.75	1*	60	1*	60
Deere	724J-HL	4.25	1*	60	1*	60
Deere	724K	4.75	1*	60	1*	60
Deere	724K-HL	4.75	1*	65	1*	60
Hitachi	ZW250-6	4.8	1*	65	1*	60
Hitachi	ZW250-6 HL	4.8	1*	65	1*	60
Hitachi	ZW310-6	5.5	1*	70	1*	60
Hitachi	ZW310-6 HL	5.5	1*	75	1*	60
Kawasaki	85Z7	4.8	1*	65	1*	60
Kawasaki	85Z7 HL	4.8	1*	65	1*	60
Kawasaki	90Z7	5.5	1*	75	1*	60
Kawasaki	90Z7 HL	5.5	1*	80	1*	60
Kawasaki	90Z7B	5.5	1*	70	1*	60
Kawasaki	90Z7B HL	5.5	1*	75	1*	60
Kawasaki	92Z7	6.3	1*	85	1*	60
Kawasaki	92Z7 HL	6.3	2*	CT	1*	60
Liebherr	L550	4.2	1*	60	1*	60
Liebherr	L550 HL	3.4	1*	60	1*	60
Liebherr	L550XP	4.2	1*	60	1*	60
Liebherr	L550XP HL	3.4	1*	60	1*	60
Liebherr	L556	4.7	1*	60	1*	60
Liebherr	L556 HL	3.7	1*	60	1*	60
Liebherr	L556XP	4.7	1*	60	1*	60
Liebherr	L556XP HL	3.7	1*	60	1*	60
Volvo	L110H	4	1*	60	1*	60
Volvo	L120H	4.25	1*	60	1*	60

**875/65R29 LOADER USAGE CHART**

For Standard Loader Service: &lt;250 ft, &lt; 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	982M	8	1*	75	1*	60
Deere	844K-II	7.25	1*	70	1*	60
Deere	844K-III	7.25	1*	70	1*	60
Deere	844L	7.25	1*	70	1*	60
Kawasaki	95Z7 Xtreme	7.7	1*	75	1*	60
Volvo	L220H	6.8	1*	65	1*	60
Volvo	L260H	8.4	1*	75	1*	60
Volvo	L260H HL	7.2	1*	75	1*	60

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services  
HL - High Lift, extended booms, etc.

### 35/65R33 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



PIT LOADER APPLICATION						
Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	986H	6.12	1*	80	1*	65
Caterpillar	986H HL	5.35	1*	80	1*	65
Caterpillar	986K	6.8	1*	85	1*	65
Caterpillar	986K HL	5.8	1*	85	1*	65
Caterpillar	988B	8.25	2*	100	1*	65
Caterpillar	988F	7.75	2*	100	1*	65
Caterpillar	988G	8	2*	110	1*	70
Caterpillar	988H	8.2	2*	110	1*	70
Caterpillar	988H	8.33	2*	110	1*	70
Caterpillar	988H	9.2	CT	CT	2*	75
Caterpillar	988H HL	8.33	2*	110	1*	70
Caterpillar	988K	8.4	2*	110	1*	70
Caterpillar	988K HL	8.4	CT	CT	1*	75
Caterpillar	988K Steel Mill	5.5	1*	80	1*	65
Caterpillar	988K Steel Mill	6.5	1*	80	1*	65
Caterpillar	988K XE	9.2	CT	CT	2*	80
Deere	944K	10	CT	CT	2*	80
Deere	944K HL	10	CT	CT	2*	80
Hitachi	ZW550-5	8.9	2*	105	1*	65
Hitachi	ZW550-5 HL	7.3	2*	100	1*	65
Hitachi	ZW550-6	8.2	2*	100	1*	65
Hitachi	ZW550-6 HL	9	2*	110	1*	70
Kawasaki	110Z	7.5	2*	90	1*	65
Kawasaki	110ZII	7.5	2*	90	1*	65
Kawasaki	115ZIII	7.5	2*	90	1*	65
Kawasaki	115ZIV	7.5	2*	95	1*	65
Kawasaki	115ZIV-2	8.25	2*	105	1*	65
Kawasaki	115ZV	7.5	2*	95	1*	65
Kawasaki	115ZV-2	8.3	2*	100	1*	65
Kawasaki	115ZV-2 HL	6.5	1*	90	1*	65
Kawasaki	115Z7	8.3	2*	100	1*	65
Kawasaki	115Z7 HL	9	2*	110	1*	70
Kawasaki	115Z7 Xtreme	9.15	2*	105	1*	70
Komatsu	WA600-1	7.1	1*	85	1*	65
Komatsu	WA600-3	8	2*	95	1*	65
Komatsu	WA600-6	8.4	2*	110	1*	70
Komatsu	WA600-6	9.5	CT	CT	2*	75
Komatsu	WA600-8	8.4	2*	110	1*	70
Komatsu Dresser	568	7.5	2*	90	1*	65
O&K	7500	7	1*	90	1*	65
Sandvik	LH621-10	10.5	CT	CT	1*	75
Terex	90C	8.5	2*	100	1*	65
Volvo	L320	8	2*	100	1*	65

YARD LOADER APPLICATION						
Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	986H	6.12	1*	70	1*	65
Caterpillar	986H HL	5.35	1*	70	1*	65
Caterpillar	986K	6.8	1*	75	1*	65
Caterpillar	986K HL	5.8	1*	75	1*	65
Caterpillar	988B	8.25	1*	90	1*	65
Caterpillar	988F	7.75	1*	85	1*	65
Caterpillar	988G	8	2*	95	1*	65
Caterpillar	988H	8.2	2*	95	1*	65
Caterpillar	988H	8.33	2*	95	1*	65
Caterpillar	988H	9.2	2*	100	1*	65
Caterpillar	988H HL	8.33	2*	95	1*	65
Caterpillar	988K	8.4	2*	95	1*	65
Caterpillar	988K HL	8.4	2*	100	1*	65
Caterpillar	988K Steel Mill	5.5	1*	80	1*	65
Caterpillar	988K Steel Mill	6.5	1*	80	1*	65
Caterpillar	988K XE	9.2	2*	105	1*	65
Deere	944K	10	2*	100	1*	65
Deere	944K HL	10	2*	105	1*	70
Hitachi	ZW550-5	8.9	1*	90	1*	65
Hitachi	ZW550-5 HL	7.3	1*	85	1*	65
Hitachi	ZW550-6	8.2	1*	85	1*	65
Hitachi	ZW550-6 HL	9	2*	95	1*	65
Kawasaki	110Z	7.5	1*	80	1*	65
Kawasaki	110ZII	7.5	1*	80	1*	65
Kawasaki	115ZIII	7.5	1*	80	1*	65
Kawasaki	115ZIV	7.5	1*	85	1*	65
Kawasaki	115ZIV-2	8.25	1*	90	1*	65
Kawasaki	115ZV	7.5	1*	85	1*	65
Kawasaki	115ZV-2	8.3	1*	90	1*	65
Kawasaki	115ZV-2 HL	6.5	1*	80	1*	65
Kawasaki	115Z7	8.3	1*	85	1*	65
Kawasaki	115Z7 HL	9	2*	95	1*	65
Kawasaki	115Z7 Xtreme	9.15	1*	90	1*	65
Komatsu	WA600-1	7.1	1*	75	1*	65
Komatsu	WA600-3	8	1*	80	1*	65
Komatsu	WA600-6	8.4	2*	95	1*	65
Komatsu	WA600-6	9.5	2*	100	1*	65
Komatsu	WA600-8	8.4	2*	95	1*	65
Komatsu Dresser	568	7.5	1*	80	1*	65
O&K	7500	7	1*	80	1*	65
Sandvik	LH621-10	10.5	CT	CT	1*	75
Terex	90C	8.5	1*	85	1*	65
Volvo	L320	8	1*	85	1*	65

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**35/65R33 LOADER USAGE CHART CONTINUED**

For Standard Loader Service: &lt;250 ft, &lt; 5 mph



PIT LOADER APPLICATION						
Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Volvo	L330C	8.6	2*	105	1*	70
Volvo	L330D	8.6	2*	105	1*	70
Volvo	L330E	8.6	2*	105	1*	70
Volvo	L350F	10.1	CT	CT	2*	80
Volvo	L350H	9.5	2*	110	1*	70
Volvo	L350H HL	9.5	CT	CT	1*	75

YARD LOADER APPLICATION						
Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Volvo	L330C	8.6	2*	90	1*	65
Volvo	L330D	8.6	2*	90	1*	65
Volvo	L330E	8.6	2*	95	1*	65
Volvo	L350F	10.1	2*	100	1*	65
Volvo	L350H	9.5	2*	95	1*	65
Volvo	L350H HL	9.5	2*	100	1*	65

For service under chains, or load and carry operations, contact Titan Technical Services.

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services  
HL - High Lift, extended booms, etc.

**45/65R45 LOADER USAGE CHART**

For Standard Loader Service: &lt;250 ft, &lt; 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	992B	10	1*	75	1*	65
Caterpillar	992C	12.5	2*	100	1*	65
Caterpillar	992C HL	12.5	2*	105	1*	70
Caterpillar	992D	14	2*	105	1*	65
Caterpillar	992D HL	12	2*	100	1*	65
Caterpillar	992G	15	2*	110	1*	70
Caterpillar	992G HL	15	CT	CT	1*	75
Caterpillar	992K	14	2*	110	1*	70
Caterpillar	992K HL	14	2*	105	1*	65
Komatsu	WA800-2	13.7	2*	100	1*	65
Komatsu	WA800-3	14.4	2*	105	1*	70
Komatsu	WA900-3	17	CT	CT	2*	85
Komatsu	WA900-3 HL	15	CT	CT	2*	80
Komatsu	WA900-8	17	CT	CT	2*	85
Komatsu	WA900-8 HL	15	CT	CT	2*	80
LeTourneau	L-950-2	18	2*	105	1*	70
LeTourneau	L-950-2 HL	16	2*	105	1*	65
LeTourneau	L1000	17	CT	CT	2*	75

**50/65R51 LOADER USAGE CHART**

For Standard Loader Service: &lt;250 ft, &lt; 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	993K	17	CT	CT	1*	75
Caterpillar	993K HL	17	CT	CT	2*	80
Caterpillar	993K HL	19	CT	CT	2*	85
Letourneau	L-1100	22	CT	CT	1*	75
Letourneau	L-1100 HL	20	2*	110	1*	70
Letourneau (P&H)	L-1150-2	25	CT	CT	2*	80
Letourneau (P&H)	L-1150-2 HL	23	CT	CT	2*	80

For service under chains, or load and carry operations, contact Titan Technical Services.

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services  
HL - High Lift, extended booms, etc.

## 58/80R63 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	994F STD (Tier 1)	25	2*	110	2*	80
Caterpillar	994F HL (Tier 1)	22.5	2*	110	2*	80
Caterpillar	994F EHL (Tier 1)	22.5	2*	115	2*	80
Caterpillar	994F SHL (Tier 1)	22.5	2*	115	2*	80
Caterpillar	994H STD	25	2*	105	2*	80
Caterpillar	994H HL	22.5	2*	110	2*	80
Caterpillar	994H EHL	22.5	2*	115	2*	80
Caterpillar	994H SHL	22.5	2*	120	2*	80
Caterpillar	994K	25	2*	120	2*	80
Caterpillar	994K HL	22.5	2*	120	2*	80
Komatsu	WA1200-3	26.2	2*	110	2*	80
Komatsu	WA1200-3 HL	23.5	2*	110	2*	80
Komatsu	WA1200-6 Rock	26.2	2*	115	2*	80
Komatsu	WA1200-6 Coal	45.8	2*	115	2*	80
Komatsu	WA1200-6 HL Rock	23.5	2*	115	2*	80
Komatsu	WA1200-6 HL Coal	45.8	2*	115	2*	80
Letourneau (P&H)	L-1850 STD	40	2*	120	2*	80
Letourneau (P&H)	L-1850 HL	30	2*	120	2*	80

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

HL - High Lift, extended booms, etc.



# RADIAL RIGID DUMP TRUCK

## 18.00R33 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: < 2.5 mile, < 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Astra	RD 40C	44	2*	115	2*	115
Caterpillar	769B	35	2*	95	2*	90
Caterpillar	769C	40	2*	110	2*	110
Caterpillar	769D	35	2*	110	2*	110
Caterpillar	770	40	CT	CT	2*	115
Caterpillar	770F	49	2*	115	2*	115
Caterpillar	770G	50	2*	115	2*	CT
Caterpillar	771C Quarry	44	CT	CT	CT	CT
Caterpillar	771D	45	CT	CT	CT	CT
Euclid	R35	35	2*	105	2*	105
Euclid	R36	40	2*	95	2*	100
Euclid	R40	42	2*	110	2*	110
Euclid	R40C	42	2*	115	2*	115
Hitachi	EH650	40	2*	95	2*	100
Hitachi	EH700	42	2*	115	2*	115
Hitachi	EH750	43	CT	CT	CT	CT
Hitachi	EH750-3	46	CT	CT	CT	CT
Komatsu	HD325-3	35	2*	85	2*	95
Komatsu	HD325-5	35	2*	85	2*	95
Komatsu	HD325-6 Quarry	44	2*	115	CT	CT
Komatsu	HD325-6 4WD	35	2*	100	2*	100
Komatsu	HD325-6	44	2*	105	2*	115
Komatsu	HD325-7	40	2*	110	2*	115
Komatsu	HD325-8	40	2*	CT	2*	115
Komatsu	HD405-7	45	CT	CT	CT	CT
Komatsu Haulpak	140M	40	2*	110	2*	110
Perlini	DP 405 WD	44	2*	115	2*	115
Terex	3340	40	CT	CT	2*	115

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 24.00R35 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	773	50	2*	75	2*	70
Caterpillar	773B	58	2*	85	2*	85
Caterpillar	773D	50	2*	85	2*	85
Caterpillar	773E	60	2*	90	2*	90
Caterpillar	773F	60	2*	100	2*	90
Caterpillar	773G	54	2*	85	2*	85
Caterpillar	773G-4T	69	2*	105	2*	95
Caterpillar	775B Quarry	65	2*	95	2*	95
Caterpillar	775D	65	2*	95	2*	105
Caterpillar	775E	70	2*	95	2*	110
Caterpillar	775F	70	2*	105	2*	105
Caterpillar	775G	70	2*	110	2*	105
Caterpillar	775G-4T	79	2*	110	2*	105
Dart	2085	85	1*	65	2*	75
Hitachi	EH1000	66	2*	95	2*	95
Hitachi	EH1100	72	2*	100	2*	105
Hitachi	EH1100-3	72	2*	100	2*	110
Hitachi	EH1100-5	70	2*	105	2*	105
Euclid	R50	58	2*	80	2*	80
Euclid	R60	63	2*	85	2*	90
Euclid	R60C	66	2*	105	2*	90
Euclid	R65	69	2*	95	2*	95
Euclid	R65C	71	2*	100	2*	105
Euclid	R75	75	2*	110	2*	105
Komatsu	HD465-3	51	2*	70	2*	75
Komatsu	HD465-5	61	2*	75	2*	80
Komatsu	HD465-5 Quarry	66	2*	95	2*	105
Komatsu	HD465-7	61	2*	90	2*	95
Komatsu	HD465-8	61	2*	115	2*	110
Komatsu	HD605-7	70	2*	100	2*	110
Komatsu	HD605-8	69	2*	110	2*	110
Komatsu-Haulpak	210M	60	2*	85	2*	85
Perlini	DP705 WD	72	2*	105	2*	105
Terex	3308E	55	2*	80	2*	80
Terex	3309	55	2*	90	2*	90
Terex	3310E	66	2*	100	2*	100
Terex	TR60	60	2*	90	2*	85
Terex	TR70	72	2*	110	2*	105

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

**27.00R49 RIGID DUMP TRUCK USAGE CHART**

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	777	85	2*	80	2*	85
Caterpillar	777B	95	2*	90	2*	95
Caterpillar	777C	95	2*	95	2*	95
Caterpillar	777D	100	2*	105	2*	105
Caterpillar	777E	108	2*	95	2*	115
Caterpillar	777F	100	2*	105	2*	105
Caterpillar	777G	100	2*	110	2*	110
Dart	3100B	100	2*	105	2*	110
Euclid	R85B	85	2*	90	2*	95
Euclid	R90	96	2*	95	2*	95
Euclid	R90C	100	2*	100	2*	100
Euclid	R100	100	2*	100	2*	105
Hitachi	EH1600	99	2*	105	2*	105
Hitachi	EH1700	108	2*	110	2*	115
Hitachi	EH1700-3	100	2*	105	2*	105
Komatsu	HD785-1	86	2*	80	2*	85
Komatsu	HD785-3	86	2*	85	2*	90
Komatsu	HD785-3	100	2*	90	2*	100
Komatsu	HD785-5	106	2*	110	2*	110
Komatsu	HD785-7	100	2*	100	2*	110
Komatsu	HD785-8	100	2*	110	2*	110
Komatsu Haulpak	325M	95	2*	95	2*	95
Komatsu Haulpak	330M	100	2*	100	2*	105
Kress	CH160	160	2*	105	2*	105
Kress	CH180	180	2*	CT	2*	CT
Liebherr	T236	110	CT	CT	2*	CT
Perlini	DP905	105	2*	100	2*	105
Rimpull	RD100	100	2*	95	2*	100
Rimpull	RD100C	100	2*	95	2*	105
Terex	3311C	85	2*	80	2*	80
Terex	3311D	77	2*	95	2*	80
Terex	3311E	94	2*	100	2*	90
Terex	TR100	100	2*	105	2*	100
Terex	TR100 (HR)	94	2*	105	2*	100
Terex	TR100 DD	100	2*	105	2*	100
Unit Rig	Dart 3100	100	2*	100	2*	105
Unit Rig	Dart 4160	160	1*	65	2*	95
Unit Rig	M85	85	2*	80	2*	80
Unit Rig	M100	100	2*	95	2*	95
Unit Rig	M120-15	120	2*	115	2*	115
Unit Rig	Mark 24	85	2*	95	2*	80

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

### 33.00R51 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Belaz	75131	150	2*	110	2*	110
Belaz	75137NA	150	2*	110	2*	110
Caterpillar	785	155	2*	105	2*	105
Caterpillar	785B	155	2*	105	2*	105
Caterpillar	785C	150	2*	110	2*	115
Caterpillar	785D	157	2*	115	2*	115
Caterpillar	785G	157	2*	110	2*	115
Euclid	R120E	120	2*	75	2*	80
Euclid	R130	152	2*	95	2*	95
Euclid	R130B	146	2*	100	2*	100
Euclid	R130M	130	2*	80	2*	85
Euclid	R150	150	2*	105	2*	105
Komatsu Haulpak	510E	150	2*	105	2*	105
Komatsu Haulpak	530M	165	2*	110	2*	115
Komastu	HD1500-7	159	2*	110	2*	115
Terex	MT3300	150	2*	110	2*	110
Terex	MT3300AC	150	2*	115	2*	115
Terex	MT3314B	125	2*	85	2*	85

### 37.00R57 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
CAT	789C	195	2*	105	2*	110
CAT	789D	200	2*	110	2*	110
Euclid	R190	190	2*	90	2*	95
Hitachi	EH3500AC11	185	2*	95	2*	110
Hitachi	EH3500AC-3	200	2*	105	2*	110
Komatsu	730E	203	2*	110	2*	110
Komatsu	730E-8	200	2*	115	2*	110
Terex	MT 3700	205	2*	110	CT	CT

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

**40.00R57 RIGID DUMP TRUCK USAGE CHART**

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Belaz	75302NA	243	2*	110	2*	110
Belaz	75310	265	CT	CT	CT	CT
Caterpillar	789D	200	2*	90	2*	90
Caterpillar	793C	250	2*	110	2*	115
Caterpillar	793D	240	2*	110	2*	115
Caterpillar	793F	247	NR	NR	NR	NR
Caterpillar	793F SLWS	250	NR	NR	NR	NR
Caterpillar	793F XLWS	247	NR	NR	NR	NR
Hitachi	EH3500AC-II	185	2*	80	2*	90
Hitachi	EH3500AC-3	200	2*	90	2*	90
Hitachi	EH4000AC-II	250	2*	105	2*	105
Hitachi	EH4000AC-3	250	2*	105	2*	105
Komatsu	730E-8	200	2*	95	2*	90
Komatsu	830E	244	2*	110	2*	115
Komatsu	830E-AC	244	2*	110	2*	115
Liebherr	T264	244	2*	110	2*	115
Terex	MT 3700	205	2*	90	2*	95
Terex	MT 4400	260	2*	115	2*	115

**46/90R57 RIGID DUMP TRUCK USAGE CHART**

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Belaz	75302NA	243	2*	100	2*	105
Belaz	75310	265	2*	110	2*	115
CAT	793F	250	2*	105	2*	105
Caterpillar	793F SLWS	250	2*	105	2*	110
Caterpillar	793F XLWS	247	2*	105	2*	110
Hitachi	EH4000AC-2	243	2*	105	2*	105
Hitachi	EH4000AC-3	250	2*	100	2*	100
Komatsu	830E-AC	244	2*	105	2*	110
Liebherr	T264	251	2*	110	2*	110
Terex	MT 3700	205	2*	85	2*	90
Terex	MT 4400	260	2*	110	2*	110
Terex	MT 4400AC	260	2*	110	2*	110

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

### 50/80R57 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Bucyrus	MT4400 AC	240	2*	90	2*	90
Caterpillar	793F	250	2*	90	2*	90
Caterpillar	793F XLWS	247	2*	90	2*	90
Hitachi	EH4500-2	282	2*	105	2*	100
Komatsu	830E-5	250	2*	95	2*	95
Komatsu	860E-1K	280	2*	110	2*	110
Liebherr	T264	265	2*	95	2*	100
Liebherr	T272	320	2*	105	2*	105

### 53/80R63 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	MT5300AC	320	2*	110	2*	115
Caterpillar	794 AC	320	2*	110	2*	115
Hitachi	EH5000AC-II	320	2*	105	2*	105
Hitachi	EH5000AC-3	326	2*	105	2*	105
Komatsu	930E-2	320	2*	110	2*	105
Komatsu	930E-3	320	2*	105	2*	105
Komatsu	930E-4	320	2*	105	2*	105
Komatsu	930E-4SE	320	2*	105	2*	110
Komatsu	930E-5	320	2*	110	2*	115

### 56/80R63 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Belaz	75600	350	2*	100	2*	105
Cat	795 AC	345	2*	105	2*	105
Komatsu	960E-1	360	2*	105	2*	105
Komatsu	960E-1K	360	2*	105	2*	105
Komatsu	960E-2	360	2*	105	2*	105
Komatsu	960E-2K	360	2*	105	2*	105
Liebherr	T282C	400	2*	110	2*	110
Liebherr	T284	400	2*	110	2*	110
Terex	MT 5500	360	2*	100	2*	100

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

**59/80R63 RIGID DUMP TRUCK USAGE CHART**

For Standard Earthmover Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Bucket (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Belaz	75600	350	2*	95	2*	95
Belaz	75601	400	2*	105	2*	105
Belaz	75710	500	2*	105	2*	105
Belaz	75710	515	2*	110	2*	110
CAT	795F AC	345	2*	95	2*	100
Cat	797F	400	2*	110	2*	110
Caterpillar	798 AC	410	2*	110	2*	110
Komatsu	980E-4	407	2*	110	2*	110
Liebherr	T282C	400	2*	105	2*	105
Liebherr	T284	400	2*	105	2*	105
Terex	MT 5500	360	2*	90	2*	90
Terex	MT 6300	400	2*	105	2*	105

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# RADIAL TOWED SCRAPER

## 17.5R25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Tires Per Axle	Tire Min. Ply Rating	Tire Min. Inflation (psi)
Ashland	1410E	14	4	2*	70
Deere	1510DC	15	4	2*	70
Deere	1814DC	18	6	2*	55
Deere	2014DE	20	6	2*	65

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 20.5R25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Tires Per Axle	Tire Min. Ply Rating	Tire Min. Inflation (psi)
Ashland	110TS2	11.3	2	2*	75
Ashland	110XL2	11.3	2	CT	CT
Ashland	130TS2	13.3	2	CT	CT
Ashland	220TS4	22	4	CT	CT
Ashland	1410E	14	2	CT	CT
Ashland	2012CS	20	4	2*	75
Ashland	2014CS	20	6	1*	45
Deere	1510DC	15	4	1*	50
Deere	1612DE	16	4	2*	60
Deere	1810DC	18	4	2*	60
Deere	1812DC	18	4	2*	60
Deere	1814DC	18	6	1*	40
Deere	2010DE	20	4	2*	75
Deere	2014DE	20	6	1*	45

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 23.5R25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Tires Per Axle	Tire Min. Ply Rating	Tire Min. Inflation (psi)
Ashland	140TS2	14	2	CT	CT
Ashland	140TS2 LGP	14	2	CT	CT
Caterpillar	TS185	19	4	1*	50
Deere	2112DC	21.5	6	1*	40
Deere	2412DE	24	4	2*	70
K-Tec	1228	28	4	2*	70
K-Tec	1228 ADT	28	4	2*	65
K-Tec	1233	33	4	CT	CT
K-Tec	1236	36	4	CT	CT

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 26.5R25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Tires Per Axle	Tire Min. Ply Rating	Tire Min. Inflation (psi)
Caterpillar	TS185	19	4	1*	40
Caterpillar	TS225	23.5	4	1*	45
Deere	2112DC (1)	21.5	4	2*	65
Deere	2112DC (2)	21.5	4	1*	45
Deere	2412DE (1)	24	4	2*	75
Deere	2412DE (2)	24	4	1*	55
K-Tec	1233	33	4	2*	65
K-Tec	1237 ADT	40.5	4	CT	CT
K-Tec	1243 ADT	43	4	1*	55

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

(1) - Front scraper used in train

(2) - Rear scraper used in train, or single scraper



**29.5R25 TOWED SCRAPER USAGE CHART**

For Standard Scraper Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (cu. yd.)	Tires Per Axel	Tire Min. Ply Rating	Tire Min. Inflation (psi)
Ashland	155TS2	15.5	2	1*	50
Ashland	215TS2	21.5	2	2*	70
Caterpillar	TS180	18.8	2	2*	60
Deere	2010D E	20	2	2*	65
K-Tec	1243 ADT	43	4	1*	40
K-Tec	1263 ADT	63	4	2*	60

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

**875/65R29 TOWED SCRAPER USAGE CHART**

For Standard Scraper Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (cu. yd.)	Tires Per Axel	Tire Min. Ply Rating	Tire Min. Inflation (psi)
Caterpillar	TS180	18.8	2	2*	55
Caterpillar	TS220	23.5	2	2*	65
Deere	2412DE	24	2	CT	CT

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# RADIAL TRACTOR SCRAPER

## 23.5R25 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	613B	11	1*	50	1*	50
Caterpillar	613C	11	1*	50	1*	50
Caterpillar	613C II	11	1*	50	1*	55
Caterpillar	613G	11	2*	60	1*	55
Deere	762	11	1*	55	1*	55
Deere	762A	11	2*	60	1*	55
Deere	762B	11	2*	60	1*	55
Deere	762B II	14	2*	60	1*	55
Komatsu Dresser	412	11	1*	50	1*	55
Komatsu Dresser	412B	11	1*	55	1*	55

## 26.5R25 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph



Manufacturer	Model	Payload (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	611	15	2*	65	2*	65
Caterpillar	611C II	15	CT	CT	2*	65
Caterpillar	615	16	2*	70	2*	60
Caterpillar	615C	16	2*	70	2*	60
Caterpillar	615C II	17	2*	75	2*	70
Deere	860	15	2*	55	2*	60
Deere	860A Std	15	2*	60	2*	60
Deere	860A HD	15	2*	65	2*	60
Deere	862	16	2*	65	2*	65
Deere	862B	16	2*	65	2*	65
Fiat Allis	161	15	2*	60	2*	60

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

**29.5R25 TRACTOR SCRAPER USAGE CHART**

For Standard Scraper Service: &lt;2.5 mile, &lt; 30 mph



Manufacturer	Model	Payload (cu. yd.)	Front Minimum Ply Rating	Front Minimum Inflation (psi)	Rear Minimum Ply Rating	Rear Minimum Inflation (psi)
Caterpillar	611	15	1*	55	1*	50
Caterpillar	611C II	15	1*	55	1*	50
Caterpillar	615	16	1*	55	1*	50
Caterpillar	615C	16	1*	55	1*	50
Caterpillar	615C II	17	2*	60	1*	55
Deere	862 w/ Kress bowl	18	1*	55	1*	55
Deere	862 w/ Kress bowl	20	2*	60	2*	60
Deere	862B	16	1*	50	1*	50
Fiat Allis	161	15	1*	45	1*	45
Terex	TS14B	20	2*	65	2*	60
Terex	TS14C	20	2*	65	2*	60
Terex	TS14G	20	2*	70	2*	65

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# INDUSTRIAL VEHICLE

## OFF THE ROAD TIRE LOADS - USE ON INDUSTRIAL VEHICLES

Tire Size	Ply Rating	Inflation Pressure psi (kPa)	Loads in lbs (kg) at Various Speeds						
			Stationary	Creep	2.5 mph (4 km/h)	5 mph (10 km/h)	10 mph (10 km/h)	12.5 (20 km/h)	15 mph (25 km/h)
14.00-24/25	24	128 (850)	33,500 (15,200)	27,300 (12,400)	24,000 (10,900)	20,900 (9,500)	19,400 (8,800)	18,500 (8,400)	17,900 (8,100)
	28	134 (925)	35,300 (16,000)	28,700 (13,000)	25,400 (11,500)	22,000 (10,000)	20,500 (9,300)	19,400 (8,800)	18,700 (8,500)
16.00-25	32	127 (875)	44,100 (20,000)	35,900 (16,300)	31,700 (14,400)	27,600 (12,500)	25,600 (11,600)	24,300 (11,000)	23,400 (10,600)
18.00-25	40	138 (950)	60,000 (27,200)	48,700 (22,100)	43,200 (19,600)	37,500 (17,000)	34,800 (15,800)	33,100 (15,000)	32,000 (14,500)
18.00-33	40	138 (950)	70,500 (32,000)	57,300 (26,000)	50,700 (23,000)	44,000 (20,000)	41,000 (18,600)	38,800 (17,600)	37,500 (17,000)
21.00-25	40	120 (825)	72,800 (33,000)	59,100 (26,800)	52,200 (23,700)	45,400 (20,600)	42,300 (19,200)	39,900 (18,100)	38,600 (17,500)
21.00-35	36	109 (750)	81,100 (36,800)	65,900 (29,900)	58,300 (26,400)	50,700 (23,000)	47,200 (21,400)	44,600 (20,200)	43,100 (19,600)
	42	123 (850)	85,800 (38,900)	69,700 (31,600)	61,500 (27,900)	53,600 (24,300)	49,800 (22,600)	47,200 (21,400)	45,600 (20,700)

## INDUSTRIAL VEHICLE FOR USE ON SMOOTH FLOORS AND RUNWAYS ONLY

Tire Size	Ply Rating	Inflation Pressure psi (kPa)	Loads in lbs (kg) at Various Speeds						
			Stationary	Creep	2.5 mph (4 km/h)	5 mph (10 km/h)	10 mph (10 km/h)	12.5 (20 km/h)	15 mph (25 km/h)
14.00-24/25	24	145 (1,000)	36,700 (16,700)	32,600 (14,800)	29,600 (13,400)	27,600 (12,500)	26,500 (12,000)	25,800 (11,700)	25,600 (11,600)
	28	145 (1,000)	36,700 (16,700)	32,600 (14,800)	29,600 (13,400)	27,600 (12,500)	26,500 (12,000)	25,800 (11,700)	25,600 (11,600)
16.00-25	32	145 (1,000)	49,700 (22,500)	44,200 (20,000)	40,000 (18,100)	37,300 (16,900)	35,900 (16,300)	35,100 (15,900)	34,500 (15,600)
18.00-25	40	145 (1,000)	63,500 (28,800)	56,500 (25,600)	51,200 (23,200)	47,600 (21,600)	45,900 (20,800)	44,800 (20,300)	44,100 (20,000)
18.00-33	40	145 (1,000)	73,400 (33,000)	65,300 (29,600)	59,200 (26,800)	55,100 (25,000)	53,100 (24,100)	51,800 (23,500)	50,900 (23,100)
21.00-25	40	145 (1,000)	81,800 (37,100)	72,600 (33,000)	65,800 (29,900)	61,300 (27,800)	59,100 (26,800)	57,800 (26,200)	56,900 (25,800)
21.00-35	36	131 (900)	91,300 (41,400)	81,100 (36,800)	73,500 (33,400)	68,400 (31,100)	65,900 (29,900)	64,400 (29,200)	63,400 (28,800)
	42	145 (1,000)	96,300 (43,700)	85,800 (38,900)	77,700 (35,200)	72,300 (32,800)	69,700 (31,600)	68,100 (30,900)	67,000 (30,400)

**IMPORTANT:** Loads shown in the above table are for the tire only. The rim manufacturer must be consulted to determine the suitability of the rim/wheel for the intended service. Industrial vehicles consist of vehicles such as counterbalanced lift trucks, container handlers, straddle carriers, aircraft tow tractors, pavers, mobile crushers, log stackers, and rough terrain fork lifts.

Creep is defined as movement at very slow speed, not over 200 ft (60 m) in 30 minutes. During creep motion loads on tires are very high. Consideration must be given to the type of surface over which the equipment is traveling.

Smooth floors and runways are defined as paved or protected surfaces which are free of undulations, obstructions, or discontinuities.

## OTHER INFLATION TABLES

### LOADS FOR E-7 TIRES IN PAVING SERVICE



14.00-20DT											
Inflation	kPA (psi)	75 (11)	100 (15)	125 (18)	150 (22)	175 (25)	200 (29)	240 (35)	250 (36)	275 (40)	300 (44)
Load	kg (lbs)	2,060 (4,540)	2,500 (5,520)	2,800 (6,150)	3,150 (6,950)	3,450 (7,600)	3,750 (8,250)	4,125 (9,100)	4,250 (9,350)	4,500 (9,900)	4,750 (10,500)
Ply Rating		4			6			8		10	
LOADS AT OTHER SPEEDS											
65 km/h (40 mph)	kg (lbs)	1,195 (2,634)	1,450 (3,197)	1,624 (3,580)	1,827 (4,028)	2,001 (4,411)	2,175 (4,795)	2,392.5 (5,274)	2,465 (5,434)	2,610 (5,754)	2,755 (6,074)
50 km/h (30 mph)	kg (lbs)	1,400 (3,090)	1,700 (3,750)	1,900 (4,190)	2,140 (4,720)	2,350 (5,180)	2,550 (5,620)	2,810 (6,190)	2,890 (6,370)	3,060 (6,750)	3,230 (7,120)
25 km/h (15 mph)	kg (lbs)	1,650 (3,640)	2,000 (4,410)	2,240 (4,940)	2,520 (5,560)	2,760 (6,080)	3,000 (6,610)	3,300 (7,280)	3,400 (7,500)	3,600 (7,940)	3,800 (8,380)
20 km/h (12.5 mph)	kg (lbs)	1,730 (3,810)	2,100 (4,630)	2,350 (5,180)	2,650 (5,840)	2,900 (6,390)	3,150 (6,940)	3,470 (7,650)	3,570 (7,870)	3,780 (8,330)	3,990 (8,800)
15 km/h (10 mph)	kg (lbs)	1,790 (3,950)	2,180 (4,810)	2,440 (5,380)	2,740 (6,040)	3,000 (6,610)	3,260 (7,190)	3,590 (7,910)	3,700 (8,160)	3,920 (8,640)	4,130 (9,100)
10 km/h (5 mph)	kg (lbs)	2,060 (4,540)	2,500 (5,520)	2,800 (6,150)	3,150 (6,950)	3,450 (7,600)	3,750 (8,250)	4,125 (9,100)	4,250 (9,350)	4,500 (9,900)	4,750 (10,500)
4 km/h (2.5 mph)	kg (lbs)	2,370 (5,220)	2,880 (6,350)	3,220 (7,100)	3,620 (7,980)	3,970 (8,750)	4,310 (9,500)	4,740 (10,450)	4,890 (10,780)	5,180 (11,420)	5,460 (12,040)
Creep	kg (lbs)	2,680 (5,910)	3,250 (7,160)	3,640 (8,020)	4,100 (90,40)	4,490 (9,900)	4,880 (10,760)	5,360 (11,820)	5,530 (12,190)	5,850 (12,900)	6,180 (13,620)
Stationary	kg (lbs)	3,300 (7,280)	4,000 (8,820)	4,480 (9,880)	5,040 (11,110)	5,520 (12,170)	6,000 (13,230)	6,600 (14,550)	6,800 (14,990)	7,200 (15,870)	7,600 (16,750)

16.00-24DT												
Inflation	kPA (psi)	75 (11)	100 (15)	125 (18)	150 (22)	175 (25)	200 (29)	240 (35)	250 (36)	275 (40)	300 (44)	
Load	kg (lbs)	3750 (8250)	4500 (9900)	5000 (11000)	5600 (12300)	6150 (13600)	6700 (14800)	7500 (16500)	7500 (16500)	8000 (17600)	8500 (18700)	
Ply Rating		4	6			8			10		12	
LOADS AT OTHER SPEEDS												
65 km/h (40 mph)	kg (lbs)	2,180 (4,810)	2,610 (5,750)	2,900 (6,390)	3,250 (7,160)	3,570 (7,870)	3,890 (8,580)	4,350 (9,590)	4,350 (9,590)	4,640 (10,230)	4,930 (10,870)	
50 km/h (30 mph)	kg (lbs)	2,550 (5,620)	3,060 (6,750)	3,400 (7,500)	3,810 (8,400)	4,180 (9,220)	4,560 (1,050)	5,100 (11,240)	5,100 (11,240)	5,440 (11,990)	5,780 (12,740)	
25 km/h (15 mph)	kg (lbs)	3,000 (6,610)	3,600 (7,940)	4,000 (8,820)	4,480 (9,880)	4,920 (10,850)	5,360 (11,820)	6,000 (13,230)	6,000 (13,230)	6,400 (14,110)	6,800 (14,990)	
20 km/h (12.5 mph)	kg (lbs)	3,150 (6,940)	3,780 (8,330)	4,200 (9,260)	4,700 (10,360)	5,170 (11,400)	5,630 (12,410)	6,300 (13,890)	6,300 (13,890)	6,720 (14,810)	7,140 (15,740)	
15 km/h (10 mph)	kg (lbs)	3,260 (7,190)	3,920 (8,640)	4,350 (9,590)	4,870 (10,740)	5,350 (11,790)	5,830 (12,850)	6,530 (14,400)	6,530 (14,400)	6,960 (15,340)	7,400 (16,310)	
10 km/h (5 mph)	kg (lbs)	3,750 (8,250)	4,500 (9,900)	5,000 (11,000)	5,600 (12,300)	6,150 (13,600)	6,700 (14,800)	7,500 (16,500)	7,500 (16,500)	8,000 (17,600)	8,500 (18,700)	
4 km/h (2.5 mph)	kg (lbs)	4,310 (9,500)	5,180 (11,420)	5,750 (12,680)	6,440 (14,200)	7,070 (15,590)	7,700 (16,980)	8,630 (19,030)	8,630 (19,030)	9,200 (20,280)	9,780 (21,560)	
Creep	kg (lbs)	4,880 (10,760)	5,850 (12,900)	6,500 (14,330)	7,280 (16,050)	8,000 (17,640)	8,710 (19,200)	9,750 (21,490)	9,750 (21,490)	10,400 (22,930)	11,050 (24,360)	
Stationary	kg (lbs)	6,000 (13,230)	7,200 (15,870)	8,000 (17,640)	8,960 (19,750)	9,840 (21,690)	10,720 (23,630)	12,000 (26,460)	12,000 (26,460)	12,800 (28,220)	13,600 (29,980)	




# HIGH FLOTATION TIRES USED IN AGRICULTURAL, FORESTRY, AND OFF-THE-ROAD SERVICE



Tire Size	Speed (mph)	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)											
		10	15	20	25	30	35	40	45	50	55	60	65
66X44.00-25NHS	30	6,000	7,600 (6)	9,100	10,200	11,400	12,800	13,600 (16)	14,300	15,700 (20)	16,500	17,100	18,200 (26)
	20	6,700	8,500	10,200	11,400	12,800	14,300	15,200	16,000	17,600	18,500	19,200	20,400
	10	7,900	10,000	12,000	13,500	15,000	16,900	18,000	18,900	20,700	21,800	22,600	24,000
	5	9,500	12,000	14,400	16,100	18,000	20,200	21,500	22,600	24,800	26,100	27,000	28,800
	Creep	12,000	15,200	18,200	20,400	22,800	25,600	27,200	28,600	31,400	33,000	34,200	36,400
	Stationary	15,900	20,100	24,100	27,000	30,200	33,900	36,000	37,900	41,600	43,700	45,300	48,200
68X50.00-32NHS	30	5,840	7,400	8,800	9,900	11,000	12,300 (16)	13,200	14,300 (20)	---	---	---	---
	20	6,550	8,300	9,850	11,100	12,300	13,800	14,800	16,000	---	---	---	---
	10	7,700	9,750	11,600	13,100	14,500	16,200	17,400	18,900	---	---	---	---
	5	9,250	11,700	13,900	15,600	17,400	19,400	20,900	22,600	---	---	---	---
	Creep	11,700	14,800	17,600	19,800	22,000	24,600	26,400	28,600	---	---	---	---
	Stationary	15,500	19,600	23,300	26,200	29,200	32,600	35,000	37,900	---	---	---	---
66X43.00-25NHS	30	5,840	7,400	8,800	9,900 (10)	11,000 (12)	12,300 (14)	13,200 (16)	13,900	14,800 (20)	15,700	16,500	17,600 (26)
	20	6,550	8,300	9,850	11,100	12,300	13,800	14,800	15,600	16,600	17,600	18,500	19,700
	10	7,700	9,750	11,600	13,100	14,500	16,200	17,400	18,300	19,500	20,700	21,800	23,200
	5	9,250	11,700	13,900	15,600	17,400	19,400	20,900	22,000	23,400	24,800	26,100	27,800
	Creep	11,700	14,800	17,600	19,800	22,000	24,600	26,400	27,800	29,600	31,400	33,000	35,200
	Stationary	15,500	19,600	23,300	26,200	29,200	32,600	35,000	36,800	39,200	41,600	43,700	46,600
66X43.00-26NHS	30	5,840	7,400	8,800	9,900	11,000	12,000 (14)	13,200 (16)	13,900	14,800 (20)	15,700	16,500	17,100 (26)
	20	6,550	8,300	9,850	11,100	12,300	13,400	14,800	15,600	16,600	17,600	18,500	19,200
	10	7,700	9,750	11,600	13,100	14,500	15,800	17,400	18,300	19,500	20,700	21,800	22,600
	5	9,250	11,700	13,900	15,600	17,400	19,000	20,900	22,000	23,400	24,800	26,100	27,000
	Creep	11,700	14,800	17,600	19,800	22,000	24,000	26,400	27,800	29,600	31,400	33,000	34,200
	Stationary	15,500	19,600	23,300	26,200	29,200	31,800	35,000	36,800	39,200	41,600	43,700	45,300
67X34.00-25NHS	30	5,840	7,400	8,800	10,200	11,400 (10)	12,300	13,200 (14)	14,300	15,200	16,100 (20)	---	---
	20	6,550	8,300	9,850	11,400	12,800	13,800	14,800	16,000	17,000	18,000	---	---
	10	7,700	9,750	11,600	13,500	15,000	16,200	17,400	18,900	20,100	21,300	---	---
	5	9,250	11,700	13,900	16,100	18,000	19,400	20,900	22,600	24,000	25,400	---	---
	Creep	11,700	14,800	17,600	20,400	22,800	24,600	26,400	28,600	30,400	32,200	---	---
	Stationary	15,500	19,600	23,300	27,000	30,200	32,600	35,000	37,900	40,300	42,700	---	---
67X34.00-26NHS	30	5,840	7,400	8,800	9,900	11,000	12,000	13,200 (14)	13,900	14,800	15,700 (20)	---	---
	20	6,550	8,300	9,850	11,100	12,300	13,400	14,800	15,600	16,600	17,600	---	---
	10	7,700	9,750	11,600	13,100	14,500	15,800	17,400	18,300	19,500	20,700	---	---
	5	9,250	11,700	13,900	15,600	17,400	19,000	20,900	22,000	23,400	24,800	---	---
	Creep	11,700	14,800	17,600	19,800	22,000	24,000	26,400	27,800	29,600	31,400	---	---
	Stationary	15,500	19,600	23,300	26,200	29,200	31,800	35,000	36,800	39,200	41,600	---	---
DH73x44.00-32 VA73x43.00-32	30	6,800	8,550	10,200	11,700	12,800 (12)	14,300	15,200 (16)	16,500	17,600 (20)	---	---	---
	20	7,600	9,600	11,400	13,100	14,300	16,000	17,000	18,500	19,700	---	---	---
	10	9,000	11,300	13,500	15,400	16,900	18,900	20,100	21,800	23,200	---	---	---
	5	10,700	13,500	16,100	18,500	20,200	22,600	24,000	26,100	27,800	---	---	---
	Creep	13,600	17,100	20,400	23,400	25,600	28,600	30,400	33,000	35,200	---	---	---
	Stationary	18,000	22,700	27,000	31,000	33,900	37,900	40,300	43,700	46,600	---	---	---

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HIGH FLOTATION TIRES USED IN AGRICULTURAL, FORESTRY, AND OFF-THE-ROAD SERVICE CONTINUED 													
Tire Size	Speed (mph)	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)											
		10	15	20	25	30	35	40	45	50	55	60	65
DH73x50.00-32	30	6,950	8,800	10,500	12,000	13,200	14,800 (16)	15,700	17,100 (20)	----	----	----	----
	20	7,800	9,850	11,800	13,400	14,800	16,600	17,600	19,200	----	----	----	----
	10	9,150	11,600	13,900	15,800	17,400	19,500	20,700	22,600	----	----	----	----
	5	11,000	13,900	16,600	19,000	20,900	23,400	24,800	27,000	----	----	----	----
	Creep	13,900	17,600	21,000	24,000	26,400	29,600	31,400	34,200	----	----	----	----
	Stationary	18,400	23,300	27,800	31,800	35,000	39,200	41,600	45,300	----	----	----	----

**Notes:**

1. The small index numbers denote ply ratings for which accompanying loads and inflations are maximum.
2. For variable loading operations where load increase or decrease, the load per tire when the vehicle is empty must be less than 40% of the load on the tire when the vehicle is fully loaded. Maximum load may not be carried for more than one mile before unloading operation starts. Loading or unloading must be completed within one mile.
3. For operations at other speeds with no change in inflation pressure, the loads in the above table may be changed as follows:
4. Creep Speed is a travel rate of not over 200 feet in a 30 minute period

MAXIMUM SPEED (mph)	% CHANGE IN LOADS
20	+12
10	+32
5	+58
*Creep	+100
Stationary	+165



**RADIAL PLY TERRA**

High Flotation Tires Used in Agricultural, Logging, and Off-the-Road Service  
TIRES USED AS SINGLES WITH NO SUSTAINED HIGH TORQUE

MAX SPEED 30 MPH	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)														
	TIRE SIZE	6	9	12	15	17	20	23	26	29	32	35	38	41	44
1000/50R25	5,360	6,400	7,400	8,550	9,650 (159)	10,700	11,700 (166)	12,300	13,200	13,600	13,900 (172)	14,800	15,200	16,100	16,500 (178)
1050/50R25	5,840	6,950	8,050	9,350	10,500 (162)	11,700	12,800 (169)	13,600	14,300	14,800	15,200 (175)	16,100	16,500 (178)	----	----
1050/50R32	6,400	7,600	8,800	10,200	11,400 (165)	12,800	13,900 (172)	14,800	15,700	16,100	16,500 (178)	----	----	----	----
LSW1100/45R46	10,200*	12,300*	14,300	16,500	18,200 (181)	20,400	22,700 (189)	24,000	24,700	26,000	26,800 (195)	----	----	----	----
LSW1100/45R46 (Muck Master)	8,800*	10,500*	12,300	13,900	15,700 (176)	17,600	19,300 (183)	20,400	21,500	22,000	23,400 (190)	----	----	----	----
1250/40R25	6,150	7,400	8,800	9,900	11,000 (164)	12,300	13,600 (171)	14,300	15,200 (175)	15,700	16,500 (178)	17,100	17,600 (180)	----	----
1250/35R32	6,000	7,400	8,550	9,650	11,000 (164)	12,000	13,200 (170)	14,300	14,800	15,700	16,100 (177)	----	----	----	----
1250/50R32	8,550	10,200	11,700	13,600	15,200 (175)	17,100	18,700 (182)	19,800	20,400 (185)	21,500	22,000 (188)	----	----	----	----
1250/35R42	6,800	8,250	9,650	11,000	12,300 (168)	13,600	15,200 (175)	16,100	16,500 (178)	17,600	18,200 (181)	----	----	----	----
LSW1250/35R46	9,900*	12,000*	13,900	16,100	18,200 (181)	19,800	22,000 (188)	23,400	24,700	25,400	26,800 (195)	--	--	--	--
LSW1250/40R46	9,650*	11,700*	13,600	15,200	17,100 (179)	19,300	20,900 (186)	22,700	23,400	24,700	25,400 (193)	----	----	----	----
LSW1400/30R46	10,500*	12,300*	14,800	16,500	18,700 (182)	20,900	22,700 (189)	24,000	25,400	26,800	27,600 (196)	----	----	----	----

**Notes:**

- For Loads at other conditions see notes 1, 2, and 3 on previous page.
- The number in parentheses is tire's load index
- The loads with an asterisk are for calculation of dual loads only.

**DIAGONAL (BIAS) PLY TIRES USED FOR SKID-STEER/MINI-LOADER SERVICE**

MAX SPEED 5 MPH	TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)													
	TIRE SIZE	20	25	30	35	40	45	50	55	60	65	70	75	80
10-16.5 NHS	----	----	2,760 (4)	3,020	3,260	3,500 (5)	3,720	3,930	4,140 (8)	----	----	----	----	----
12-16.5 NHS	----	----	3,560	3,900	4,220 (6)	4,520	4,810 (8)	5,080	5,350	5,600 (10)	5,850	6,090	6,330 (12)	----
14-17.5 NHS	----	----	4,820 (6)	5,270	5,700 (8)	6,110	6,490	6,870 (10)	----	----	----	----	----	----
15-19.5 NHS	----	----	6,130 (6)	6,710	7,250 (8)	7,770	8,260 (10)	8,740	9,190 (12)	9,360	10,060 (14)	10,470	10,880 (16)	----
31x15.50-15 NHS	2,700 (4)	3,050	3,395 (6)	3,695	4,015	4,360 (8)	----	----	----	----	----	----	----	----

**Notes:**

- Number in (parentheses) denote ply rating or load range to which loads and inflations are maximum.
- For 10 MPH service, the above loads must be reduced 21% at the same pressures.

## DIAGONAL (BIAS) PLY LOG SKIDDER DRIVE WHEEL TIRES USED IN LOGGING OR FORESTRY SERVICE (OTHER THAN ON CABLE OR GRAPPLE SKIDDERS) TIRES USED AS SINGLES



MAX SPEED 20 MPH (30 KM/H)		TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)											
Tire Size	psi	20	25	30	35	40	45	50					
	kPa	140	170	210	240	*275/280	310	340					
16.9-30	lbs.	4,400	5,080	5,680 (10)	141	6,150	6,600 (14)	146	---	---			
	kg	2,000	2,300	2,575 (10)		2,800	3,000 (14)						
18.4-26	lbs.	4,940	5,680 (10)	141	6,400 (12)	145	---	---	---	---			
	kg	2,240	2,575 (10)		2,900 (12)								
18.4-34	lbs.	5,680	6,400 (10)	145	---	---	---	---	---				
	kg	2,575	2,900 (10)										
23.1-26	lbs.	7,150 (10)	149	8,250	9,100 (14)	157	9,900 (16)	10,700 (20)	163	---	---		
	kg	3,250 (10)		3,750	4,125 (14)		4,500 (16)	4,875 (20)					
24.5-32	lbs.	8,800	9,900 (12)	160	11,000 (16)	164	12,000 (18)	13,200 (20)	170	---	---		
	kg	4,000	4,500 (12)		5,000 (16)		5,450 (18)	6,000 (20)					
<b>LOW SECTION HEIGHT</b>													
28L-26	lbs.	8,250 (12)	154	9,350 (14)	158	10,500 (16)	162	11,400 (20)	165	---	---	---	
	kg	3,750 (12)		4,250 (14)		4,750 (16)		5,150 (20)					
30.5L-32	lbs.	10,500 (12)	162	11,700 (16)	166	13,200 (20)	170	14,300	15,700 (26)	176	16,500	17,600 (32)	180
	kg	4,750 (12)		5,300 (16)		6,000 (20)		6,500	7,100 (26)		75,00	8,000 (32)	
DH35.5L-32	lbs.	13,900 (16)	172	16,100 (20)	177	17,600	183	19,300 (26)	20,900 (30)	186	---	---	
	kg	6,300 (16)		7,300 (20)		8,000		8,750 (26)	9,500 (30)				

TIRE TYPE NOMENCLATURE	
CODE NO.	TIRE TYPE
LS-2	INTERMEDIATE TREAD
LS-3	DEEP TREAD

### Notes:

- Figures in (parentheses) denote ply rating or load range for which bold face loads and inflations are maximum. Numbers after ply ratings are Load Index numbers.
- For shipping purposes, tire inflation may be increased to 30 psi (210 kPa). Inflation pressures must be adjusted to correct operating pressure before skidder is removed from carrier. Consult tire manufacturer for minimum tire shipping pressure.
- "Tire Load Limit" for log skidders is defined as the maximum load for an individual tire due to the total radial forces imposed on the tire DURING OPERATION. This maximum load includes total vehicle weight with accessories and weight transfer. For grapple and cable skidders, refer to table below.
- For load and carry type of logging operations such as loaders equipped with log forks and feller bunchers, with maximum speed of 5 mph (10 km/h), above tire load limits may be increased 50% with 5 psi (35 kPa) increase in inflation pressure. Maximum length of carry is 500 feet (150 m).
- When used as duals, tire loads must be reduced. Multiply figures in table by .88.
- Consult rim and wheel manufacturer for rims for this type of service.
- For transport service and operations that do not require sustained high torque, the following load limits apply (table to the right):

MAX SPEED	% CHANGE IN LOADS	CHANGE IN INFL. PRESSURE
Stationary	+170	+5 PSI (30 kPa)
10 MPH (15 KM/H)	+20	NONE
15 MPH (25 KM/H)	+15	NONE
20 MPH (30 KM/H)	NONE	NONE
25 MPH (40 KM/H)	-10	NONE

## DIAGONAL (BIAS) PLY LOG SKIDDER DRIVE WHEEL TIRES USED ON CABLE OR GRAPPLE SKIDDERS TIRES USED AS SINGLES



MAX SPEED 5 MPH (10 KM/H)		TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)																		
Tire Size	psi	25		30		35		40		45		50		55						
	kPa	170		210		240		*275/280		310		340		380						
18.4-26	lbs.	6,950		8,050 (10)		153	9,100 (12)		157	----		----		----						
	kg	3,150		3,650 (10)			4,125 (12)			----		----		----						
18.4-34	lbs.	8,050		9,100 (10)		157	----		172	----		----		----						
	kg	3,650		4,125 (10)			----			----		----		----						
23.1-26	lbs.	9,900 (10)		160	11,700		12,800 (14)		169	13,900 (16)		15,200 (20)		175	----					
	kg	4,500 (10)			5,300		5,800 (14)			6,300 (16)		6,900 (20)			----					
24.5-32	lbs.	12,300		172	13,900 (12)		15,200 (16)		175	17,100 (18)		18,700 (20)		182	----					
	kg	5,600			6,300 (12)		6,900 (16)			7,750 (18)		8,500 (20)			----					
LOW SECTION HEIGHT																				
28L-26	lbs.	11,700 (12)		166	13,200 (14)		170	14,800 (16)		174	16,100 (20)		177	----		----				
	kg	5,300 (12)			6,000 (14)			6,700 (16)			7,300 (20)			----		----				
30.5L-32	lbs.	14,800 (12)		174	16,500 (16)		178	18,700 (20)		182	19,800		22,000 (26)		188	23,400		24,700 (32)		192
	kg	6,700 (12)			7,500 (16)			8,500 (20)			9,000		10,000 (26)			10,600		11,200 (32)		
DH35.5L-32	lbs.	19,800 (16)		184	22,700 (20)		24,700		195	26,800 (26)		29,100 (30)		198	----		----			
	kg	9,000 (16)			10,300 (20)		11,200			12,150 (26)		13,200 (30)			----		----			

**Notes:**

1. Figures in (parentheses) denote ply rating or load range for which bold face loads and inflations are maximum.
2. For shipping purposes, tire inflation may be increased to 30 psi (210 kPa). Inflation pressures must be adjusted to correct operating pressure before skidder is removed from carrier. Consult tire manufacturer for minimum tire shipping pressure.
3. "Tire Load Limit" for log skidders is defined as the maximum load for an individual tire due to the total radial forces imposed on the tire DURING OPERATION. This maximum load includes total vehicle weight with accessories, plus load increases due to log winching or grappling loads and weight transfer.
4. The table above applies only to log skidder tires used on cable or grapple skidders with a maximum speed of 5 mph (10 km/h). For use on other types of logging or forestry equipment or at speeds greater than 5 mph (10 km/h) refer to the table at the top of this page.
5. When used as duals, tire loads must be reduced. Multiply figures in table by .88.
6. Consult rim and wheel manufacturer for rims for this type of service.

## MATERIAL HANDLING LOADS

Size	Service Condition Application Speed			Counterbalanced Lift Truck		Industrial Vehicle Loads			
	Ply Rating	Catalog Number	PSI (kPa)	Front/Drive	Rear/Steer	Smooth Floor Only		Other Than Smooth Floor	
				up to 10 mph (15 km/h)	up to 15 mph (25 km/h)	5 mph (10 km/h)	10 mph (15 km/h)	5 mph (10 km/h)	10 mph (15 km/h)
				lbs. (kg)	lbs. (kg)	lbs. (kg)	lbs. (kg)	lbs. (kg)	lbs. (kg)
<b>TITAN T40</b>									
32x12-15 NHS	20	44P226	145 (1,000)	13,400 (6,080)	10,200 (4,625)	10,200 (4,625)	8,050 (3,650)	9,150 (4,150)	7,250 (3,290)
35x15-15 NHS	24	44P376	145 (1,000)	17,600 (8,000)	13,200 (6,000)	13,200 (6,000)	10,500 (4,750)	12,000 (5,450)	9,650 (4,375)
35x15-15 NHS	28	44P377	145 (1,000)	17,600 (8,000)	13,200 (6,000)	13,200 (6,000)	10,500 (4,750)	12,000 (5,450)	9,650 (4,375)
<b>TITAN T44</b>									
44x18-20 NHS	32	44T3K1	145 (1,000)	26,800 (12,150)	20,400 (9,250)	20,400 (9,250)	16,100	18,200 (8,250)	14,300 (6,500)
42x21-22 NHS	32	44T3J5	145 (1,000)	33,300 (15,105)	25,300 (11,475)	25,300 (11,475)	20,000 (9,070)	22,800 (10,340)	18,000 (8,165)
<b>TITAN PWT</b>									
7.00-12 NHS	12	44P212	125 (860)	5,995 (2,720)	4,555 (2,065)	4,555 (2,065)	3,595 (1,630)	4,100 (1,860)	3,235 (1,465)
7.50-16 NHS	12	44P2K8	115 (790)	8,015 (3,635)	6,090 (2,760)	6,090 (2,760)	4,810 (2,180)	5,485 (2,490)	4,330 (1,965)
8.25-15 NHS	12	44P231	105 (720)	8,680 (3,935)	6,595 (2,990)	6,595 (2,990)	5,210 (2,365)	5,935 (2,690)	4,685 (2,125)
8.25-15 NHS	14	44P2D5	120 (830)	9,385 (4,255)	7,135 (3,235)	7,135 (3,235)	5,630 (2,555)	6,420 (2,910)	5,070 (2,300)
250-15 NHS	16	4492H1	135 (930)	9,450 (4,285)	7,200 (3,265)	7,200 (3,265)	5,680 (2,575)	6,450 (2,925)	5,100 (2,315)
250-15 NHS	18	44P2H2	145 (1,000)	9,900 (4,500)	7,400 (3,350)	7,400 (3,350)	5,840 (2,650)	6,800 (3,075)	5,360 (2,430)
28x12-15 NHS	20	44P262	145 (1,000)	10,700 (5,300)	8,050 (3,650)	8,050 (3,650)	6,400 (2,900)	7,150 (3,250)	5,680 (2,575)
28x9-15 NHS	12	44P2B5	120 (830)	6,880 (3,120)	5,230 (2,370)	5,230 (2,370)	4,125 (1,870)	4,705 (2,135)	3,715 (1,685)
28x9-15 NHS	14	44P2D3	140 (970)	7,530 (3,415)	5,720 (2,595)	5,720 (2,595)	4,515 (2,050)	5,150 (2,335)	4,065 (1,845)
29x8-15 NHS	12	44P216	125 (860)	6,870 (3,115)	5,220 (2,370)	5,220 (2,370)	4,120 (1,870)	4,700 (2,130)	3,710 (1,685)
32x15-15 NHS	24	44P3G7	145 (1,000)	15,700 (7,100)	11,700 (5,300)	11,700 (5,300)	9,350 (4,250)	10,700 (4,875)	8,550 (3,875)
36x11-15 NHS	16	44P2F9	115 (790)	12,290 (5,575)	9,340 (4,235)	9,340 (4,235)	7,375 (3,345)	8,405 (3,815)	6,635 (3,010)
36x11-15 NHS	24	44P6F9	145 (1,000)	14,100 (6,395)	10,700 (4,855)	10,700 (4,855)	8,450 (3,835)	9,650 (4,375)	7,600 (3,445)
<b>TITAN INDUSTRIAL DEEP TREAD (IDT)</b>									
5.70/5.00-8 NHS	10	4542A1	145 (1,000)	2,760 (1,250)	2,090 (950)	2,090 (950)	1,650 (750)	1,870 (850)	1,480 (670)
6.90 /6.00-9 NHS	10	454204	125 (860)	3,715 (1,685)	2,820 (1,280)	2,820 (1,280)	2,230 (1,010)	2,540 (1,150)	2,000 (905)
6.50-10 NHS	10	454263	115 (790)	4,225 (1,915)	3,210 (1,455)	3,210 (1,455)	2,535 (1,150)	2,890 (1,310)	2,280 (1,035)
7.50-10 NHS	12	454287	120 (830)	5,655 (2,565)	4,300 (1,950)	4,300 (1,950)	3,395 (1,540)	3,870 (1,755)	3,055 (1,385)
7.00-12 NHS	12	454212	125 (860)	5,995 (2,720)	4,555 (2,065)	4,555 (2,065)	3,595 (1,630)	4,100 (1,860)	3,235 (1,465)
7.00-12 NHS	14	4542D7	145 (1,000)	6,535 (2,965)	4,970 (2,255)	4,970 (2,255)	3,920 (1,780)	4,470 (2,030)	3,530 (1,600)
7.50-15 NHS	12	454269	115 (790)	7,690 (3,490)	5,845 (2,650)	5,845 (2,650)	4,615 (2,095)	5,260 (2,385)	4,150 (1,880)
8.25-15 NHS	12	454231	105 (720)	8,680 (3,935)	6,595 (2,990)	6,595 (2,990)	5,210 (2,365)	5,935 (2,690)	4,685 (2,125)
8.25-15 NHS	14	4542D5	120 (830)	9,385 (4,255)	7,135 (3,235)	7,135 (3,235)	5,630 (2,555)	6,420 (2,910)	5,070 (2,300)
29x8-15 NHS	12	454216	125 (860)	6,870 (3,115)	5,220 (2,370)	5,220 (2,370)	4,120 (1,870)	4,700 (2,130)	3,710 (1,685)
30x8-15 NHS	12	454251	125 (860)	6,940 (3,150)	5,275 (2,395)	5,275 (2,395)	4,165 (1,890)	4,745 (2,150)	3,745 (1,700)
<b>TITAN INDUSTRIAL SERVICE</b>									
5.70-8 NHS	6	40B206	90 (620)	---	---	1,530 (695)	1,210 (550)	1,415 (640)	1,115 (505)
5.70-8 NHS	8	40B208	120 (830)	---	1,830 (830)	1,830 (830)	1,445 (655)	1,675 (760)	1,320 (600)

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## MATERIAL HANDLING LOADS CONTINUED

Size	Service Condition Application Speed			Counterbalanced Lift Truck		Industrial Vehicle Loads					
	Ply Rating	Catalog Number	PSI (kPa)	Front/Drive	Rear/Steer	Smooth Floor Only			Other Than Smooth Floor		
				up to 10 mph (15 km/h)	up to 15 mph (25 km/h)	PSI (kPa)	5 mph (10 km/h)	10 mph (15 km/h)	PSI (kPa)	5 mph (10 km/h)	10 mph (15 km/h)
				lbs. (kg)	lbs. (kg)		lbs. (kg)	lbs. (kg)		lbs. (kg)	lbs. (kg)
<b>TITAN PWT</b>											
9.00-20 NHS	12	44P218	95 (660)	11,800 (5,350)	8,950 (4,060)	104 (720)	10,600 (4,810)	10,200 (4,625)	87 (600)	7,850 (3,560)	6,800 (3,085)
9.00-20 NHS	14	44P2E8	110 (760)	12,800 (5,805)	9,750 (4,425)	122 (840)	11,540 (5,235)	11,120 (5,045)	102 (700)	8,550 (3,880)	7,450 (3,380)
10.00-20 NHS	16	44P2E9	115 (790)	14,910 (6,765)	11,330 (5,140)	131 (900)	13,750 (6,235)	13,250 (6,010)	109 (750)	10,200 (4,625)	8,850 (4,015)
11.00-20 NHS	16	44P2E2	110 (760)	15,845 (7,185)	12,040 (5,460)	126 (870)	14,450 (6,555)	13,900 (6,305)	105 (720)	10,700 (4,855)	9,300 (4,220)
12.00-20 NHS	18	44P2E3	115 (790)	18,600 (8,435)	14,100 (6,395)	131 (900)	17,300 (7,845)	16,650 (7,550)	109 (750)	12,800 (5,805)	11,150 (5,060)
12.00-20 NHS	20	44P2A7	130 (900)	19,900 (9,025)	15,100 (6,850)	144 (990)	18,350 (8,325)	17,700 (8,030)	120 (830)	13,600 (6,170)	11,850 (5,375)
<b>TITAN TT472</b>											
10.00-20 NHS	18	472224	130 (900)	16,000 (7,260)	12,200 (5,535)	148 (1,020)	14,850 (6,735)	14,300 (6,485)	123 (850)	11,000 (4,990)	9,570 (4,340)
12.00-20 NHS	20	4722A7	130 (900)	19,900 (9,025)	15,100 (6,850)	144 (990)	18,350 (8,325)	17,700 (8,030)	120 (830)	13,600 (6,170)	11,850 (5,375)