

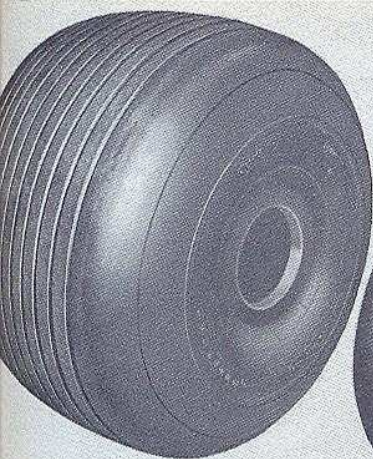


# TERRA TIRES

... for mobility and maneuverability  
under extreme conditions of mud,  
snow, sand, rocks . . . and across  
terrain that must not be damaged.







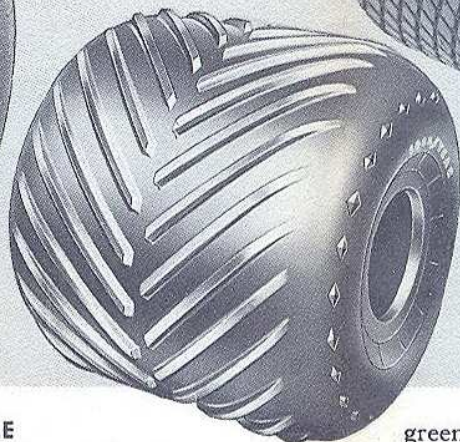
**TRAIL-RIB**



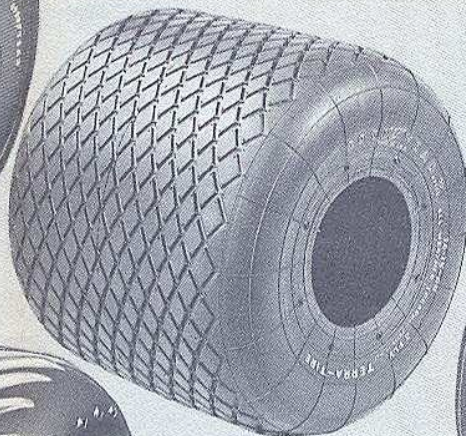
**SMOOTH**



**UPER TERRA-GRIP**



**TERRA-GRIP**



**ALL-WEATHER**



**TERRA-RIB**

## IMPORTANT NOTICE

Contrary to general practice Terra-Tires are designed to operate efficiently at low pressures. *Extra low pressure* (1-16 lbs.)

Pencil tire gauges are available from The Goodyear Tire & Rubber Company.

### THE TERRA-TIRE PRINCIPLE

Just what are Terra-Tires? Essentially, they are extra-wide tires (as much as 42 inches in width), inflated with very low pressures for their size (as little as 2 PSI), and with extra-small bead diameters (as small as 6 inches).

All Terra-Tires are of tubeless construction, and all sizes are built with Triple Tempered 3-T Nylon Cord to insure maximum strength and the greatest resistance to fatigue and heat build-up.

Any Terra-Tire—with the single exception of the Trail-Rib—may be used on either drive or trailing wheels. The Trail-Rib is only for use on trailing wheels.

### TERRA-TIRE POSSIBILITIES

Goodyear Terra-Tires open up entirely new transportation possibilities, permitting mobility and maneuverability in areas where conventional pneumatic tires cannot—or should not—be used. Because of their extremely high flotation properties (2 to 3 times that of conventional pneumatics), Terra-Tire-equipped vehicles can confidently roll through slippery, swampy grasslands, deep muck, soft snow and shifting sand where conventional tires would bog down.

In extremely rocky areas, their low air pressures and large air volume enable Terra-Tires to conform to virtually any surface irregularities, safely rolling over rocks and shale that would ruin conventional tires within minutes.

In areas where the primary concern is for the terrain, rather than for the tires, Terra-Tires perform as no ordinary tires possibly could. On fine golf greens, for example, Terra-Tires exert less pressure-per-square-inch than that exerted by a golfer walking across the

green. (5 PSI for Terra-Tires, versus 24 PSI for the golfer). This "light touch" is so light, in fact, that Terra-Tire equipped vehicles are used in harvesting pecans, where the vehicle must be driven across the pecans, as they lay on the ground, without crushing them.

### TERRA-TIRE POINTS TO REMEMBER

Because of their over-size dimensions, Terra-Tires are not interchangeable with conventional pneumatic truck tires on standard vehicles. And, in most instances, it is preferable to design a vehicle around the Terra-Tires, rather than attempt conversion of an existing vehicle to accommodate the tires. Currently, only golf cars and a limited variety of personnel carriers are available with Terra-Tires as stock items from manufacturers\*. All other vehicles, such as heavy-duty cargo carriers and agricultural equipment—as shown on the front cover of this folder—are custom-designed and built by manufacturers on special order only.

Terra-Tire sizes are indicated differently than those of conventional pneumatic tires. For example, Terra-Tire size 16x12—6 means:

16" outside diameter . . . 12" cross-section width  
. . . 6" rim diameter.

### SPECIAL NOTE:

Since most Terra-Tire applications call for the designing of a complete vehicle around the tires, additional technical information may be required. Goodyear Terra-Tire engineers will be happy to furnish such data to any vehicle manufacturer. Simply address your request to Terra Tires, The Goodyear Tire & Rubber Company, Akron, Ohio.

\*(Names on Request)



# TERRA-TIRES DIMENSION DATA

# TERRA-TIRES LOAD AND INFLATION TABLE

TIRE SIZE	TRD. DESIGN	No. PLIES	RIM SIZE	INF. LBS.	LOAD	O.D.	STATIC L.R.	REV. CONTACT PER MILE	AREA SQ. IN.	TIRE WT.
12 x 12 - 6	SM	2	10.0-6	4	200	12.0	5.2	1682	38	10
16 x 12 - 6	SM, AW	2	10.0-6	8	180	12.3	5.7	...	...	...
16 x 15 - 6	SM, AW	2	13.0-6	8	430	16.1	6.7	1260	51	11
16 x 16 - 6	TG	2	13.0-6	20	420	16.8	7.5	...	...	...
17 x 9.50 - 8	RIB, TRAC	2	7I	12	690	17.5	7.6	1154	44	9.3
24 x 12 - 10R	TR	4	10.5-10	10	1050	24.9	10.6	840	110	30
24 x 16 - 10R	TR	4	14.5-10	10	1500	25.3	10.6	840	131	37
24 x 24 - 6N	SM	4	22.0-6	24	1020	25.5	11.5	...	...	...
24 x 24 - 8R	SM, TG	4	22.0-8	12	1910	25.1	10.4	835	180	42
36 x 20 - 14R	TR, STG	4	16.0-14	8	2300	37.6	16.0	538	240	86
42 x 40 - 10N	STG	4 & 6	38.0-10	20	2250	38.8	17.3	...	...	...
44 x 40 - 10N	TRAIL - RIB	4 & 6	38.0-10	10	5000	44.0	18.7	459	540	295
46 x 18 - 16R	STG	4	14.0-16	14	4080	48.1	21.3	450	280	108
46 x 24 - 16R	STG	4	20.0-16	14	4740	48.6	21.3	450	320	140
46 x 30 - 16R	STG	4	26.0-16	16	5830	49.4	21.3	450	340	163
46 x 18 - 20	STG	8	14.5-20	16	4850	47.5	21.2	450	204	180
46 x 24 - 20	STG	8	20.5-20	18	6300	47.6	21.2	450	250	220
60 x 42 - 18R	TG	6	38.0-18	14	9800	66.8	26.2	315	790	435
64 x 42 - 18R	TRAIL - RIB	6	38.0-18	10	8900	67.9	26.2	315	790	580

R—Clamp type bead with 5° taper.

N—Clamp type bead with 5° reverse taper.

No designation—clampless bead to Tire & Rim Association specifications.

TIRE SIZE	No. PLIES	LOADS AT VARIOUS INFLATION PRESSURES (Max. Speed: 10 MPH)										
		2	4	6	8	10	12	14	16	18		
12 x 12 - 6	2	160	200									
16 x 12 - 6	2	190	270	360	430							
16 x 15 - 6	2	240	390	530	650							
17 x 9.50 - 8	2	200	350	435	520	605	690					
17 x 9.50 - 8	4	200	350	435	520	605	690	775	860	930		
24 x 12 - 10R	4	540	650	780	910	1050						
24 x 16 - 10R	4	580	800	1000	1250	1500						
24 x 24 - 6N	4	780	1100	1520	1750	2050						
24 x 24 - 8R	4	680	1000	1180	1420	1700	1910					
36 x 20 - 14R	4	1000	1450	1880	2300							
42 x 40 - 10N	6	1600	2600	3500	4300	4900						
44 x 40 - 10N	6	2250	2900	3750	4450	5000						
46 x 18 - 16R	4	1300	1790	2280	2600	2970	3500	4080				
46 x 24 - 16R	4	1450	2000	2550	3050	3680	4100	4740				
46 x 30 - 16R	4	1500	2140	2640	3350	3980	4600	5180	5830			
46 x 18 - 20	8	1950	2450	3000	3300	3750	3950	4400	4850			
46 x 24 - 20	8	2100	2750	3250	3800	4320	4660	5160	5850	6300		
60 x 42 - 18R	6	2000	3300	4500	5900	7200	8300	9600				
64 x 42 - 18R	6	2600	4200	3750	7150	8900						

TIRE SIZE	No. PLIES	LOADS & INFLATION PRESSURE (Max. Speed 30 MPH)										
		4	8	12	16	20	24	28	32	36		
12 x 12 - 6	2	100	180									
16 x 12 - 6	2	120	200	250	350	420						
16 x 15 - 6	2	180	370	500	620							
17 x 9.50 - 8	2			380	(Max. Speed 50 MPH)							
17 x 9.50 - 8	4			380	460	530	(Max. Speed 50 MPH)					
24 x 12 - 10R	4	230	410	590	740	890	1020					
24 x 16 - 10R	4	300	530	750	990	1200	1540					
24 x 24 - 6N	4	400	750	1000	1400	1750	2180					
24 x 24 - 8R	4	360	700	900	1210	1400	1690	1950				
36 x 20 - 14R	4	730	1180	1550	1920	2250						
42 x 40 - 10N	6	1100	1800	2600	3300	4000	4680					
44 x 40 - 10N	6	1850	2850	3380	3900	4150	4900					
46 x 18 - 16R	4	950	1400	1860	2500	3140	3520	4100				
46 x 24 - 16R	4	1100	1700	2250	2980	3450	4000	4550	5100			
46 x 30 - 16R	4	1200	1800	2750	3600	4500	5140	5650	6000			
46 x 18 - 20	8	1490	2000	2350	3020	3600	3850	4500	5100			
46 x 24 - 20	8	1650	2150	2720	3250	3950	4600	5000	5490	5960		
60 x 42 - 18R	6	1600	3000	4250	6100	7800	9500					
64 x 42 - 18R	6	2000	3700	5500	7300	9400						

THE GOODYEAR TIRE & RUBBER COMPANY

AKRON, OHIO