

SECTION 6A | General Aviation/Business Aircraft Application Charts

The application information presented within this manual is based on the most current information available and is intended for use as a **GENERAL REFERENCE ONLY**. Any inquiries regarding specific model aircraft should be directed to the applicable airframe manufacturer. Your requirements may vary depending upon the actual configuration of your aircraft. All Goodyear tires are manufactured in accordance with TSO-C62, MIL-T-5041, AIR8505A and/or applicable airframe manufacturer specifications. Additionally, all tire sizes included in this manual may not necessarily be available from Goodyear. Contact your Goodyear Representative for specific tire information and availability.

FAILURE TO MAKE VERIFICATION WITH THE AIRCRAFT MANUFACTURER AND INSTALLING UNAPPROVED TIRES ON AN AIRCRAFT MAY RESULT IN TIRE FAILURE CAUSING PROPERTY DAMAGE, SERIOUS INJURY, OR LOSS OF LIFE.

GENERAL AVIATION/BUSINESS AIRCRAFT

LEGEND

- o Tires are low speed unless designated.
- o Tires are tube-type unless otherwise indicated.
- o Consult aircraft manual for individual tire pressure.

CODE:

TL=Tubeless **DT = Deflector Type**

C=Smooth Contour **DDT=Dual Deflector Types**



MANUFACTURER	MODEL	NAME	MAIN TIRE		AUXILIARY TIRE	
			TIRE SIZE	PLY RATING	TIRE SIZE	PLY RATING
Aero Commander	500	Twin Commander	8.50-10	8 TL	6.00-6	6
	500S	Shrike Commander	8.50-10	8 TL	6.00-6	6
	520, 560	Twin Commander	8.50-10	6/8 TL	6.00-6	6
	680, 720	Twin Commander	8.50-10	8 TL	6.00-6	6
Aeronca	Model 7	Champ	6.00-6	4	6x2.00 2.80/2.50-4	—
	Model 11	Chief	6.00-6 7.00-6	4	6x2.00 2.80/2.50-4	—
Aerospatiale	SN 601	Corvette	26x6.6	10 TL	17.5x6.25-6DDT	8 TL
Air Tractor	AT-300 thru 401A		8.50-10	8	5.00-5	6
	AT-401B		8.50-10 29x11.0-10	8 10	5.00-5	6
	AT-402		29x11.0-10	10	5.00-5	6
	AT-502, 504		29x11.0-10	10	5.00-5	6
	AT-602		29x11.0-10	10	17.5x6.25-6	10 TL
Airbus	AT-802		11.00-12	10 TL	17.5x6.25-6	10 TL
	ACJ318/319/320		46x17.0R20	30 TL	30x8.8R15	16 TL
	ACJ321		49x18.0-22	30 TL	30x8.8R15	16 TL
American Champion Aircraft	8GCBC	Scout	8.50-6	4/6	2.80/2.50-4	4
	7ECA, 7GCAA, 7GCBC, 7KCAB	Citabria	6.00-6 7.00-6 8.00-6	4/6	2.80/2.50-4	4
	8KCAB	Decathlon Super Decathlon	6.00-6 7.00-6 8.00-6	4/6	2.80/2.50-4	4
	A-1, 1A, 1B, 1C	Husky	6.00-6 8.00-6 8.50-6 26x10.5-6	4/6 4/6 4/6 6	Solid	—
Aviat	S-1, S-2	Pitts Special	5.00-5	6	Solid	—
	Ayres	S-2R	Thrush	8.50-10 29x11.0-10	10	12.5x4.5
(Snow, Rockwell)	S-2R-T	Thrush	29x11.0-10	10	12.5x4.5	10
	BAe	HS-125	—	23x7.0-12	12 TL	18x4.25-10 DT
Beechcraft	17	Staggerwing	7.50-10	6	10.00SC	—
	18	Twin Beech	11.00-12	8 TL	14.50SC	8 TL
	19	Musketeer Sport	6.00-6	4	6.00-6	4
	23	Musketeer	6.00-6	4	6.00-6	4
	C23	Sundowner	6.00-6	4	6.00-6	4
	24	Sierra	6.00-6	4	5.00-5	4
	33	Debonair	7.00-6	6	5.00-5	4
	35, 36	Bonanza	7.00-6	6	5.00-5	4
	50	Twin Bonanza	8.50-10	6	6.50-10	4
	55, 56, 58	Baron	6.50-8	6/8	5.00-5	6
	58P	Baron	19.5x6.75-8	8/10	5.00-5	6
	60	Duke	19.5x6.75-8	8/10	15x6.0-6	4
	65, 70, 80, 88	Queen Air	8.50x10	8 TL	6.50-10	6 TL
	76	Duchess	6.00-6	6	5.00-5	6
	77	Skipper	15x6.0-6	4	5.00-5	4
	90, 100	King Air	8.50-10	8/10 TL	6.50-10	6 TL
	95	Travel Air	6.50-8 7.00-6	6/8 6	5.00-5	6
	99	Airliner	18x5.5	8 TL	6.50-10	6 TL
	200	Super King Air	18x5.5 22x6.75-10	8/10 TL 8/10 TL	6.50-10 22x6.75-10	8 TL
(Raytheon, Hawker Beechcraft)	300, 350	Super King Air	19.5x6.75-8	10 TL	22x6.75-10	8 TL
	1900		22x6.75-10	8 TL	19.5x6.75-8	10 TL
	1900D		22x6.75-10	10 TL	19.5x6.75-8	10 TL
	2000	Starship 1	H19.5x6.75-10	8 TL	19.5x6.75-8	10 TL
	390	Premier I	H22x8.25-10	12 TL	18x4.4	6 TL
	400, 400XP	Beechjet	24x7.7	16 TL	18x4.4 DDT	10 TL
	700, 750, 800, 850XP, 900XP, 1000	Hawker	23x7.0-12	12 TL	18x4.25-10 DT	6 TL
	4000	Horizon	26x6.6R14	14 TL	18x4.4 DT	12 TL

MANUFACTURER	MODEL	NAME	MAIN TIRE		AUXILIARY TIRE	
			TIRE SIZE	PLY RATING	TIRE SIZE	PLY RATING
Bellanca	14-13	Cruisair	6.00-6 7.00-6	4	6x2.00 2.80/2.50-4	—
	17-30A	Viking	6.00-6	6	15x6.0-6	6/8
	17-31A	Super Viking	6.00-6	6	15x6.0-6	6/8
	17-31ATC	Turbo Viking	6.00-6	6	15x6.0-6	6/8
Boeing	BBJ, BBJ2, BBJ3		H44.5x16.5-21	28 TL	27x7.75-15 27x7.75R15	12 TL
Bombardier	BD-700	Global Express	H38x12.0-19	20 TL	21x7.25-10 DT	12 TL
	BD-700	Global 5000, 6000	H38x12.0-19	20 TL	21x7.25-10 DT	12 TL
	BD-700	Global 5500, 6500	H38x12.0-19	20 TL	21x7.25-10 DT	12 TL
	BD-700	Global 7500	H39x12.0R19	22 TL	21x7.25R10 DT	14 TL
	BD-100	Challenger 300/350	H26.5x8.0-14	14 TL	18x5.5 DT	10 TL
	CL-600/601	Challenger 600/601	25.75x6.75-14	14 TL	18x4.4 DT	12 TL
	CL-604/605/650	Challenger 604/605	H27x8.5-14	16 TL	18x4.4 DT	12 TL
	CRJ200	Challenger 800/850	H29x9.0-15	16 TL	18x4.4 DT	12 TL
Bombardier (Learjet)	LR-23/24/25	Learjet	18x5.5	10 TL	18x4.4 DDT	10 TL
	LR-31/35/35A/36/36A	Learjet	17.5x5.75-8	12 TL	18x4.4 DDT	10 TL
	LR-40/45	Learjet	22x5.75-12	10 TL	18x4.4 DDT	10 TL
	LR-55/60	Learjet	17.5x5.75-8	14 TL	18x4.4 DDT	10 TL
	LR-70/75	Learjet	22x5.75-12	10 TL	18x4.4 DDT	10 TL
Britten-Norman	BN-2	Islander	7.00-6	6	6.00-6	6
	BN-2A MKIII	Trislander	6.50-8	8	6.00-6	6
Cessna	120, 140	—	6.00-6	4	6x2.00 2.80/2.50-4	4
	150, 152	Commuter, Aerobat	6.00-6	4	5.00-5	4
	162	Skycatcher	5.00-5	4	11x4.00-5	8
	172	Skyhawk	6.00-6	4/6	5.00-5	4
	172RG	Cutlass RG	15x6.0-6	6	5.00-5	4
	175	Skylark	6.00-6	4	5.00-5	4
	177	Cardinal	6.00-6	6	5.00-5	4
	177RG	Cardinal RG	15x6.0-6	6	5.00-5	4
	180	Skywagon	6.00-6	6	8.00" SC	6
	182, T182	Skylane	6.00-6	6	5.00-5	6
	182RG, T182RG	Skylane	15x6.0-6	6	5.00-5	4
	185	Skywagon	6.00-6	6	2.80/2.50-4	8
	188	AG Wagon	22x8.0-8 8.50-10	6	10x3.50-4	6
	195	—	6.50-10 6.50-8 7.00-8	6	10.00 SC	—
	205	—	6.00-6	6	5.00-5	6
	206	Station Air	6.00-6 8.00-6	6	5.00-5	6
	207	Skywagon	6.00-6 8.00-6	8	6.00-6	8
	208	Caravan	6.50-10 8.50-10 29x11.0-10	8	6.50-8 22x8.0-8	6
	208B	Grand Caravan	8.50-10 29x11.0-10	8 10	22x8.0-8	6
	210	Centurion	6.00-6	8	5.00-5	6
	T210, P210	Turbo Centurion	6.00-6	8	5.00-5	10
	300, 350, 400, T240	Corvalis	15x6.0-6	6	5.00-5	6
	T303	Crusader	6.00-6	8	6.00-6	6
	310, T310, 320	—	6.50-10	6	6.00-6	6
	335, 340	—	6.50-10	8	6.00-6	6
	336	—	6.00-6	6	15x6.0-6	6
	337	Super Skymaster	18x5.5	8	15x6.0-6	6
	401, 402	—	6.50-10	8	6.00-6	6
	404	Titan	22x7.75-10	10 TL	6.00-6	6
	F406	Caravan II	22x7.75-10	10 TL	6.00-6	6
	411	—	6.50-10	8	6.00-6	6
	414	Chancellor	6.50-10	8	6.00-6	6
	421	Golden Eagle	6.50-10	8	6.00-6	6

MANUFACTURER	MODEL	NAME	MAIN TIRE		AUXILIARY TIRE	
			TIRE SIZE	PLY RATING	TIRE SIZE	PLY RATING
Cessna	425	Conquest I	6.50-10	8	6.00-6	6
	441	Conquest II	22x7.75-10	10 TL	6.00-6	6
	500, 501	Citation I	22x8.00-10	10 TL	18x4.4 DDT	10 TL
	510	Mustang	22x6.75-10	8 TL	16x4.4	8 TL
	525	CJ, CJ1	22x7.75-10	10 TL	18x4.4 DDT	6 TL
	525A	CJ2	22x7.75-10	12 TL	18x4.4 DDT	6 TL
	525B	CJ3	H22x8.25-10	12 TL	18x4.4 DDT	10 TL
	525C	CJ4	H22x8.25-10	14 TL	16x4.4 DT 16x4.4R8 DT	10 TL
	550, 551	Citation II, II/SP	22x8.0-10	10/12 TL	18x4.4 DDT	10 TL
	S550	Citation S/II	22x8.0-10	12 TL	18x4.4 DDT	10 TL
	550B	Bravo	H22x8.25-10	14 TL	18x4.4 DDT	10 TL
	560	Citation V, Ultra	22x8.0-10	12 TL	18x4.4 DDT	10 TL
	560	Encore	H22x8.25-10	14 TL	18x4.4 DDT	10 TL
	560XL	Excel	23.5x8.0R12	12 TL	18x4.4 DDT	10 TL
Cirrus Design	650	Citation III, VI, VII	22x5.75-12	10 TL	18x4.4 DDT	10 TL
	680	Sovereign	26x6.6R14	12 TL	16x4.4R8 DT	10 TL
	680A	Latitude	26x6.6R14	14 TL	16x4.4R8 DT	10 TL
	700	Longitude	26x6.6R14	14 TL	16x4.4R8 DT	10 TL
	750	Citation X	26x6.6R14	12 TL	16x4.4 DT 16x4.4R8 DT	10 TL
	750	Citation X+	26x6.6R14	14 TL	16x4.4 DT	10 TL
	SR20	—	15x6.0-6	6 TT / 10 TL	5.00-5	6 TT / 10 TL
	SR22	—	15x6.0-6	6 TT / 10 TL	5.00-5	6 TT / 10 TL
Dassault	10, 100	Falcon	22x5.75-12	10 TL	18x5.75-8	8 TL
	20, 50, 200	Falcon	26x6.6 26x6.6R14	14 TL	14.5x5.5-6 DT	14 TL
	900	Falcon	29x7.7R15	TL	17.5x5.75R8 DT	TL
	2000, 2000EX	Falcon	26x6.6R14	14 TL	14x5.5R6 DT	—
	7X	Falcon	H32x10.5R16.5	16 TL	16x6.0R6	12 TL
de Havilland Canada	DHC-1	Chipmunk	6.00-6.5	—	3.00-3.5	—
	DHC-2	Beaver	8.50-10	6	5.50-4	6
	DHC-3	Otter	11.00-12	6	6.00-6	6
	DA20	Katana	5.00-5 15x6.0-5	6	5.00-4	6
Diamond	DA20-C1	Eclipse	5.00-5	6	5.00-4	6
	DA40	Diamond Star	6.00-6 15x6.0-6	6	5.00-5	6
	DA42	Twin Star	15x6.0-6	6	5.00-5	10
	500	—	18x5.5 18x5.5R8	8 TL	5.00-5	8 TL
Embraer	EMB 201/202	Ipanema	8.50-10	8	10x3.50-4	4
	EMB 202A	Ipanema	22x8.0-8	6	10x3.50-4	4
	EMB 500	Phenom 100	21x6.5-10	12 TL	15X6.0-6	10 DDT
	EMB 505	Phenom 300	H25x8.0-12	16 TL	15X6.0-6	12 DDT
	EMB 545	Legacy 450/500	H26.5x8.0-14	14 TL		

MANUFACTURER	MODEL	NAME	MAIN TIRE		AUXILIARY TIRE	
			TIRE SIZE	PLY RATING	TIRE SIZE	PLY RATING
Grumman American	AA-1	Yankee Clipper, Trainer, Lynx	6.00-6	4	5.00-5	4
	AA-5	Traveler	6.00-6	4	5.00-5	4
	AA-5A	Cheetah	6.00-6	4	5.00-5	4
	AG-5B	Tiger	6.00-6	6	5.00-5	4
	GA-7	Cougar	6.00-6	6	15x6.0-6	6
	G-164	Ag Cat	8.50-6 8.50-10	6	Solid	—
	G-164A/B/C	Super Ag Cat	8.50-10 29x11.0-10	6 10	10x3.50-4	6
(Grumman)	G-164D	Turbo Ag Cat	8.50-10 29x11.0-10	6 10	10x3.50-4	6
	G-159	Gulfstream I	7.50-14	12 TL	6.50-8	6 TL
	G-1159	Gulfstream II	34x9.25-16	18 TL	21x7.25-10 DT	12 TL
	G100		23x7.00-12	12 TL	16x4.4 DT	6 TL
Gulfstream	G150		23x7.00-12	12 TL	16x4.4R8 DT	10 TL
	G200		26x6.6R14	14 TL	18x4.4 DT	10 TL
	G280		26x6.6R14	14 TL	18x4.4 DT	12 TL
	II, III, IV		34x9.25-16	18 TL	21x7.25-10 DT	12 TL
	GIV-SP, G300, G350, G450		H34x9.25-18	18 TL	21x7.25-10 DT	12 TL
	G500		H34x9.5R18	18 TL	21x7.25R10 DT	12 TL
	GV, G550		H35x11.0-18	20 TL	21x7.25-10 DT	12 TL
	G600		H35x11.0R18	20 TL	21x7.25R10 DT	14 TL
	G650		H37.5x12.0R19	20 TL	21x7.25-10 DT	14 TL
	G700		H37.5x12.0R19	20 TL	21x7.25-10 DT	14 TL
Helio	H-250	Courier	8.00-6 6.50-8	4 6	10.00SC	8
	H-295	Super Courier	8.00-6 6.50-8	6	10.00SC	8
	H-395	Super Courier	8.00-6	6	10.00SC	8
Israel Aircraft Industries	1121	Jet Commander	24x7.7	16 TL	16x4.4	4 TL
	1123	Westwind	24x7.7	16 TL	16x4.4	4 TL
	1124	Westwind	B24x9.5-10.5	18 TL	16x4.4	4 TL
	1125	Astra	23x7.00-12	12 TL	16x4.4 DT	6
	1126	Galaxy	26x6.6R14	14 TL	18x4.4 DT	12 TL
Lake Aircraft	LA-250	Renegade/Seafury	6.00-6	6	5.00-5	4
	LA-4	Buccaneer	6.00-6	4	5.00-4	4
	LA4-200	Amphibian	6.00-6	6	5.00-4	4
Lancair		Legacy	5.00-5	6	5.00-5	4
		Evolution	18x4.4 18x6.5-8	6/10 TL 12 TL	5.00-5	6 TT/TL
Lockheed	—	Jet Star	26x6.6	14 TL	18x4.4 DT	10 TL
	—	Jet Star II	26x6.6	14 TL	18x4.4 DT	12 TL
	SA-60	Azacarte-60	6.50-8	4	6.00-6	4
Luscombe	Model 8	Luscombe 50	6.00-6	4	6x2.00 2.80/2.50-4	—
Mahindra (Gipps)	GA8	Airvan	8.50-6	6	6.00-6	6
Maule Air	M-4	—	7.00-6 8.50-6	4/6	2.80/2.50-4	—
	M-5	Lunar Rocket	7.00-6 8.50-6	4/6	2.80/2.50-4	—
	M-6	Super Rocket	7.00-6 8.50-6	4/6	2.80/2.50-4	—
	M-7	—	7.00-6 8.50-6	4/6	2.80/2.50-4	—
Mitsubishi	MU-2	—	8.50-10	10 TL	5.00-5	6
	MU-300	Diamond I	24x7.7	14 TL	18x4.4 DDT	10 TL
Mooney	M-18	Mite	5.00-5	4	5.00-5 5.00-4	4
	M-20	—	6.00-6	6	5.00-5	4/6
	M-22	Mustang	6.00-6	6	15x6.0-6	6
Navion	A,B,D,E,F	Navion	7.00-8	4	6.00-6	4
(North American, Ryan)	G,H	Rangemaster	6.50-8	6	6.00-6	4
Nextant	400XT	Beechjet	24x7.7	16 TL	18x4.25-10 DT	10 TL
Partenavia	P68C	—	6.00-6	6	5.00-5	6
Piaggio	P180	Avanti, Avanti II	6.50-10	12 TL	5.00-5	8 TL

MANUFACTURER	MODEL	NAME	MAIN TIRE		AUXILIARY TIRE	
			TIRE SIZE	PLY RATING	TIRE SIZE	PLY RATING
Pilatus	PC-6	Porter	24x7.7 11.00-12	6 TL 8 TL	5.00-4	6 TT
	PC-12	—	8.50-10	10 TL	17.5x6.25-6	8 TL
	J-2, J-3	Cub	8.00-4	4	6x2.00 2.80/2.50-4	—
	J-4	Cub Coupe	8.00-4	4	6x2.00 2.80/2.50-4	—
	J-5	Cub Cruiser	8.00-4	4	6x2.00 2.80/2.50-4	—
	PA-11	Cub Special	8.00-4	4	6x2.00 2.80/2.50-4	—
	PA-12	Super Cruiser	8.00-4	4	6x2.00 2.80/2.50-4	—
	PA-14	Family Cruiser	8.00-4	4	6x2.00 2.80/2.50-4	—
	PA-15, PA-17	Vagabond	8.00-4	4	6x2.00 2.80/2.50-4	—
	PA-16	Clipper	8.00-4	4	6x2.00 2.80/2.50-4	—
	PA-18	Super Cub	8.00-4 6.00-6	4	6x2.00 2.80/2.50-4	—
	PA-20	Pacer	8.00-4	4	6x2.00 2.80/2.50-4	—
	PA-22	Tri Pacer	6.00-6	6	6.00-6	6
	PA-23	Apache	7.00-6	6/8	6.00-6	4/6
Piper	PA-23-250, PA-27	Aztec	7.00-6	8	6.00-6	4/6
	PA-24	Comanche	6.00-6	4/6	6.00-6	4/6
	PA-25-150	Pawnee	7.00-6	4	8x3.00-4	4
	PA-25-235/260	Pawnee	8.00-6	4	8x3.00-4	4
	PA-28-140	Cherokee Cruiser	6.00-6	4	6.00-6	4
	PA-28-150/160/180	Cherokee	6.00-6	4	6.00-6	4
	PA-28-151/161	Warrior	6.00-6	4	5.00-5	4
	PA-28-161	Cadet	6.00-6	4	6.00-6	4
	PA-28-180/181	Archer	6.00-6	4	6.00-6	4
	PA-28-201T	Turbo Dakota	6.00-6	4	5.00-5	6
	PA-28R-200/201	Arrow	6.00-6	4/6	5.00-5	4
	PA-28RT-201	Arrow IV	6.00-6	6	5.00-5	4
	PA-28R-201T	Turbo Arrow	6.00-6	6	5.00-5	4
	PA-28RT-201T	Turbo Arrow IV	6.00-6	6	5.00-5	4
PA-28-235	PA-28-235	Pathfinder	6.00-6	6	6.00-6	4
	PA-28-236	Dakota	6.00-6	6	6.00-6	4
	PA-30	Twin Comanche	6.00-6	6	6.00-6	6
	PA-31	Navajo	6.50-10	8	6.00-6	6
	PA-31-350	Chieftain	6.50-10	8	6.00-6	6
	PA-31P	Pressurized Navajo	6.50-10	8	6.00-6	8
	PA-31P-350	Mojave	6.50-10	8	17.5x6.25-6	10
	PA-31T	Cheyenne I/IA/II/IIXL	6.50-10	10	18x4.4 17.5x6.25-6	10 TT
	PA-32-260/300	Cherokee Six	6.00-6	6	6.00-6	4/6
	PA-32-301	Saratoga	6.00-6	8	5.00-5 6.00-6	6
	PA-32R	Lance/Saratoga	6.00-6	8	5.00-5	6
	PA-34	Seneca	6.00-6	8	6.00-6	6
	PA-36	Brave	8.50-10	6	10x3.5-4	6
	PA-38	Tomahawk	5.00-5 6.00-6	4	5.00-5 6.00-6	4
PA-						

MANUFACTURER	MODEL	NAME	MAIN TIRE		AUXILIARY TIRE	
			TIRE SIZE	PLY RATING	TIRE SIZE	PLY RATING
Quest	100	Kodiak	8.50-10 29x11.0-10	8 10	6.50-8 22x8.0-8	8 6
Robin	DR.200		380x150-5	6	380x150-5	6
	DR.300		380x150-5	6	380x150-5	6
	DR.400		380x150-5	6	380x150-5	6
Rockwell	112	Commander	6.00-6	4/6	5.00-5	4/6
	114	Commander	7.00-6	6	5.00-5	6
(North American)	NA-265-40	Sabreliner 40/40A	26x6.75-14	14 TL	18x4.4 DT	10 TL
	NA-265-60	Sabreliner 60	26x6.75-14	14 TL	18x4.4 DT	10 TL
	NA-265-65	Sabreliner 65	26x6.75-14	16 TL	18x4.4 DT	10 TL
	NA-265-80	Sabreliner 75A/80	22x5.75-12	10 TL	18x4.4 DT	10 TL
	NA-265-80SC	Sabreliner 80A (80SC)	22x5.75-12	12 TL	18x4.4 DT	10 TL
Socata	TB 9, 20, 21		15x6.0-6	6	5.00-5	6
	TB 10, 200		6.00-6	6	5.00-5	6
	TB 30		15x6.0-6	6	5.00-4	6
Daher	TBM 700		18x5.5	8 TL	5.00-5	10 TL
	TBM 700C2/850/900		18x5.5	10 TL	5.00-5	10 TL
Syberjet	SJ30		16x4.4	12 TL	16x4.4	6 DT
Taylorcraft	A, B, D		6.00-6	4	6x2.00	—
	F19, F21, F22, F22B		6.00-6	4	6x2.00 8.00-3	—
	F22A, F22C		6.00-6	4	5.00-5	4
	P92		5.00-5	6	5.00-5	6
Tecnam	P2002		5.00-5	6	5.00-5	6
	P2006T		6.00-6	6	5.00-5	6
	P2008		5.00-5	6	5.00-5	6
Thrush Aircraft	S2R-H80	510G	29x11.0-10	10	12.5x4.5	10
(Ayres)	S2R-T34	510P	29x11.0-10	10	5.00-5	10
	S2R-T660	710P	29x11.0-10	10	6.00-6	8
(Rockwell, Gulfstream)	680FL, FLP	Grand Commander	8.50-10	8 TL	6.00-6	6
	680T, V, W	Turbo Commander	8.50-10	8 TL	16x4.4	4 TL
	681, 685, 690, 690A, 690B	Turbo Commander	8.50-10	10 TL	6.00-6	6
	690C	Jetprop 840	8.50-10	10 TL	6.00-6 15x6.0-6	6
	690D	Jetprop 900	24x7.7	16 TL	15x6.0-6	6
	695	Jetprop 980	8.50-10	10 TL	6.00-6 15x6.0-6	6
	695A	Jetprop 1000	24x7.7 8.50-10	16 TL 10 TL	15x6.0-6	6
	RV-3, 4, 6, 7, 8, 9		5.00-5	4/6	11x4.00-5	6
	RV-10		15x6.0-6	4/6	5.00-5	4/6
	RV-12, 14		5.00-5	4/6	5.00-5	4/6



SECTION 6B | Commercial Aircraft Application Charts

COMMERCIAL AIRCRAFT

LEGEND

- Tires are low speed unless designated.
- Tires are tubeless unless otherwise indicated.

CODE:

TT=Tube-Type

DT = Deflector Type

DDT=Dual Deflector Type

MANUFACTURER	MODEL	IDENTIFYING INFO	SPEED (MPH)	MAIN GEAR		NOSE GEAR	
				TIRE SIZE	PLY RATING	TIRE SIZE	PLY RATING
Aerospatiale	SE 210	Caravelle	190/210	35x9.00-17	14/16/18	26x7.75-13	10 DT
(Sud, Nord)	N 262	Nord 262		12.50-16	12	6.00-6	8
(BAC)	—	Concorde	279	47x15.75-22.1	32	31x10.75-14	20
ATR	ATR 42		190	32x8.8R16	12	450x190-5	10
(Airbus/Alenia)	ATR 72		190	H34x10.0R16	14	450x190-5	10
Airbus	A300 B2		225	46x16	28/30/32	40x14 40x14.0R16	24 22/24
	A300 B4		225/235	46x16 49x17 49x19.0-20	28/30 30/32 32/34	40x14 40x14.0R16	24 22/24
	A300-600		225/235	49x17 49x19.0-20	30/32/34	40x14 40x14.0R16	24 22/24
	A310		225/235	46x16 49x17	28/30/32 26/28/30/32	40x14 40x14.0R16	24 22/24
	A318		225	46x16 46x17.0R20	30	30x8.8 30x8.8R15	16
	A319		225	46x16 46x17.0R20	30/32 30	30x8.8 30x8.8R15	16
	A320		225/235	46x17.0R20 46x16 49x17 49x19.0-20 49x18-22 36x11	30 30/32 30/32 32/34 30 22	30x8.8 30x8.8R15	16
	A321		225	49x18.0-22 1270x455R22	30	30x8.8 30x8.8R15	16
	A330		235	54x21.0-23 1400x530R23	32/36	1050x395R16	28
	A340-200/300		235	54x21.0-23 1400x530R23	32/36	1050x395R16	28
British Aerospace (BAe)	A340-500/600		235	1400x530R23	40	45x18.0R17	36
	A350		235	1400x530R23	42	1050x395R16	28
	A380		235	1400x530R23	40	1270x455R22 50x20.0R22	32/34
	3100	Jetstream 31		28x9.00-12	12	6.00-6	6
	3200	Jetstream 32		28x9.00-12	12	6.00-6 17.5x6.25-6	8
(Hawker Siddeley)	4100	Jetstream 41	190	22x6.75-10	10/12	17.5x6.25-6	8
	BAe 146 / Avro RJ			39x13 42x15	22/24 20/22	24x7.7 24.5x8.5	14 12
	HS 748	Avro 748	160	32x10.75-14	12	8.50-10	10 TT
(Vickers)	ATP			34.5x12-14	14	22x6.75-10	8
	VC10		210/225	50x18	24/26	39x13	16
	BAC-111	One-Eleven	210	40x12	16/18/20	24x7.25-12	10/12 DT
Boeing	HS 121	Trident	210	34x9.50-18 36x10.00-18	14 16	29x8.00-15	12
	720		210	46x16	24	39x13	14
	707-120		210	46x16	24	39x13	14
	707-320		210/225	46x16	26/28/30	39x13	16
	717		225	H41x15.0-19	24	26x6.6	12

Manufacturer	Model	Identifying Info	Speed (mph)	Main Gear		Nose Gear	
				Tire Size	Ply Rating	Tire Size	Ply Rating
Boeing	727		225	49x17 50x21.0-20	30	32x11.50-15	12 DT
	737-100		210/225	40x14	24	24x7.7	16
	737-200		210/225	40x14 H40x14.5-19	24 24/26	24x7.7	16
	737-300/400/500		225	H40x14.5-19 H42x16.0-19	24/26	27x7.75-15 27x7.75R15	12
	737-600/700		225/235	H43.5x16.0-21 H44.5x16.5-21	26 28/30	27x7.75-15 27x7.75R15	12
	737-700ER/800/900		225/235	H44.5x16.5-21	28/30	27x7.75-15 27x7.75R15	12
	737-900ER		235	H44.5x16.5-21	30	27x7.75-15 27x7.75R15	12
	737-7/8		235	H44.5x16.5R21	30	27x7.75R15	12
	737-9		235	H44.5x16.5R21	32	27x7.75R15	12
	747-100		225	46x16	28/30/32	46x16	28/30/32
	747SP		225	46x16 49x17	28/30/32 30/32	49x17	30/32
	747SR, 747SF		225/235	49x17	30/32	49x17	30/32
	747-200/300		225/235/245	49x17 49x19.0-20	30/32 32/34	49x17 49x19.0-20	30/32 32/34
	747-400		225/235/245	H49x19.0-22	24/32	49x17 49x19.0-20 H49x19.0-22	32 32/34 24/32
	747-400ER		235	50x20.0R22	34	50x20.0R22	34
	747-8		235	52x21.0R22	36	50x20.0R22	26/32/34
	757-200		210/225/235	H40x14.5-19	22/24/26	H31x13.0-12	20
	757-300		225/235	H40x14.5-19	24/26	H31x13.0-12	20
	767-200		225/235	H45x17.0-20 H46x18.0-20	26 26/28/32	H37x14.0-15	22/24
	767-300		225/235	H46x18.0-20	26/28/32	H37x14.0-15	22/24
	767-400ER		235	50x20.0R22	32	H37x14.0-15	22/24
	777-200/300		235	50x20.0R22	32	42x17.0R18	26
	777-200LR/300ER, 777F		235	52x21.0R22	36	43x17.5R17	32
	787-8	Dreamliner	235	50x20.0R22	34	40x16.0R16	26
	787-9	Dreamliner	235	54x21.0R23	38	40x16.0R16	26
	787-9/10	Dreamliner	235	54x21.0R23	38	40x16.0R16	26
Bombardier	CL-215	Scooper	160	15.00-16	16	6.50-10	10
(Canadair)	CL-415	Superscooper	160	15.00-16	16	6.50-10	10
	CRJ100/200	Regional Jet	210	H29x9.0-15	16	18x4.4 DT	12
	CRJ700/900		225	H36x12.0-18	18	20.5x6.75-10 DT	12
	CRJ1000		225	H36x11.5-19	20	20.5x6.75-10 DT	12
	Q400		190	34x10.75-16	16	22x6.50-10	8
	C212	Aviocar	160	11.00-12	10	24x7.7	8
CASA	CN235		160	28x9.0-12 11.00-12	12 TL 10 TL	24x7.7 8.50-10	14 TL 12 TL
	CV-240			34x9.9	12 TT	26x6	10 TT
Convair	CV-340/440/640			12.50-16	12 TT/TL	7.50x14	8 TT/TL
	CV-580			12.50-16 39x13	14 TT/TL 14	7.50x14	8 TT/TL
	CV-880		210	39x13	20	29x7.7	12
	CV-990	Coronado	210/225	41x15.0-18	22/24	29x7.7	16
Curtiss	C-46	Commando	160	19.00-23	16	10.00-7	12 Smooth
de Havilland Canada	DHC-4	Caribou		11.00-12	8	7.50-10	6
(Viking)	DHC-5	Buffalo		15.00-12	10	8.90-12.50	6
	DHC-6	Twin Otter		11.00-12 15.00-12	8 TT 10 TT	8.90-12.50	6 TT
	DHC-7	Dash 7		30x9.00-15 33.5x10.75-15	10 12	6.50-10 24x7.7	10 8
de Havilland Canada	DHC-8-100	Dash 8 Series 100	160/190	26.5x8.0-13 H31x9.75-13	12	18x5.5 22x6.50-10	8 6
(Bombardier)	DHC-8-200	Dash 8 Series 200	190	H31x9.75-13	12	18x5.5	8
	DHC-8-300	Dash 8 Series 300	190	31x9.75-14	12	22x6.50-10	6
	DHC-8-400	Dash 8 Series 400	190	34x10.75-16	16	22x6.50-10	8

Manufacturer	Model	Identifying Info	Speed (mph)	Main Gear		Nose Gear	
				Tire Size	Ply Rating	Tire Size	Ply Rating
Dornier	Do 228				25.5x8.75-10	10/12	6.00-6
	Do 328		190		24x7.7 25.5x8.75-10	14	19.5x6.75-8
(Fairchild-Dornier)	328JET		210		25.75x6.75-14	14	19.5x6.75-8
Douglas	DC-3		LS	17.00-16	10 TT/TL	9.00-6	10 TT
	DC-4		LS	15.50-20	14/16 TT	15.50-20	12 TT
	DC-6		LS	15.50-20	20 TT	15.50-20	14 TT
	DC-7		LS	17.00-20	20/22/24	17.00-20	14
	DC-8		225	44x16 44.5x16.5-18	30	34x11	22
	DC-9-10/30		210/225	40x14	22/24	26x6.6	10 DT
	DC-9-30/40/50		225	41x15.0-18	22/24	26x6.6	12 DT
	DC-10-10		225	50x20.00-20	32/34	37x14.0-14	24
	DC-10-30/40		235	52x20.5-23	28/30	40x15.5-16	26/28
	EMB 110	Bandeirante	160	670x210-12	10	6.50-8	8 TT
Embraer	EMB 120	Brasilia	190/210	24x7.25-12	12	18x5.5	10
	EMB 121	Xingu	160/210	670x210-12	10	16x4.4	6 TT
	ERJ 135/140/145ER	Regional Jet	210	30x9.5-14	16	19.5x6.75-8	8 DT
	ERJ 145LR	Regional Jet	225	H30x9.5-16	16	19.5x6.75-8	8 DT
	ERJ 145XR	Regional Jet	225	H30x9.5-16	16	19.5x6.75-8	10 DT
	ERJ 170/175	E170/E175	225	H38x13.0-18	20	24x7.7	12
	ERJ 190/195	E190/E195	225	H41x16.0-20 H41x16.0R20	22	24x7.7 24x7.7R10	16
	Fairchild	SA26/SA226	Merlin	18x5.5 19.5x6.75-8	8/10 10	16x4.4 18x4.4	6/10 DT
(Swearingen)	SA226/SA227	Metro	190	19.5x6.75-8	10	18x4.4	10 DT
	(Fairchild-Dornier)	328JET		210	25.75x6.75-14	14	19.5x6.75-8
Fokker	F27	Friendship	190	34x10.75-16 37x11.75-16	10/12 10/14	9.25-12	8
	F28	Fellowship	210/225	39x13 40x14	16	24.5x8.5	10 DT
	50		190	34x10.75-16	12	24x7.7	6
	70		225	H40x14.0-19	20	24x7.7	10 DT
	100		225	H40x14.0-19	20	24x7.7	10 DT
Let	L-410	Turbulet		12.50-10 29x11.00-1			

SECTION 6C | Military Aircraft Application Charts

CODE: TT=Tube-Type

TL=Tubeless

SC=Smooth Contour

MANUFACTURER	MODEL	NAME	MAIN TIRE		AUXILIARY TIRE	
			TIRE SIZE	PLY RATING	TIRE SIZE	PLY RATING
AIDC	F-CK-1	Ching-Kuo	24x8.0-13	18 TL	18x5.7-8	18 TL
Alenia	C-27J	Spartan	39x13	18 TL	29x11.0-10	10 TL
	G222/C-27A	Spartan	39x13	14/16 TL	27.5x10.5-12	10 TL
	AMX		670x210-12	18 TL	18x5.5	10 TL
Aermacchi	MB-326		21.5x7.0-10	12 TL	380x150-4	6 TL
	MB-339		21.5x7.0-10	12 TL	380x150-4	6 TL
	M-346		24x8.0-13	16 TL	18x5.5	14 TL
Beech (Raytheon)	T-1A	Jayhawk	24x7.7	14 TL	18x4.4 DDT	10 TL
	T-6A	Texan II	20x4.4	14 TL	16x4.4	8 TL
	T-34B	Mentor	6.50-8	6 TT	5.00-5	6 TT
	T-42A	Cochise	6.50-8	6 TL	5.00-5	6 TL
	U-87	Seminole	8.50-10	8 TT	6.50-10	6 TT
	VC-6A/C-12	King Air	8.50-10	8 TL	6.50-10	6 TL TT
Boeing	E-3A	AWACS	46x16	28 TL	39x13	16 TL
	E-4A	AACP	49x17	30 TL	49x17	30 TL
	E-6	Mercury	46x16	28 TL	39x13	16 TL
	B-52 G, H	Buff	56x16	38 TL	32x8.8	12 TT
	KC-135	Stratotanker	49x17	26 TL	38x11	14 TL
	VC-137C		46x16	28 TL	39x13	16 TL
	KC-767		H46x18.0-20	28 TL	H37x14.0-15	22/24 TL
British Aerospace	GR-5	Harrier	26x7.75-13	12 TL	26x8.75-11	16 TL
	—	Harrier Outrigger	—	—	13.5x6.00-4	14 TL
	—	Hawk	6.50-10	14 TL	—	—
	—	Jaguar	615x225-10	12 TL	550x250-6	12 TL
	—	Strikemaster	21x6.75-9	10 TL	6.00-4	12 TT
CASA	C-101	Aviojet	24.5x8.5	12 TL	18x5.75-8	8 TL
	CN235		28x9.0-12	12 TL	24x7.7	14 TL
	HC-144	Ocean Sentry	11.00-12	10 TL	8.50-10	12 TL
	C295		34x14.0-14	14 TL	24x7.7	8 TL
	0-1E	Bird Dog	8.00-6/7.00-6	6 TL	3x3.0-4	4 TT
Cessna	0-2A, B	Skymaster	6.00-6	8 TL	15x6.00-6	4 TT
	U-3B	Blue Canoe	6.50-10	6 TT	6.00-6	6 TT
	U-17A	Skywagon	6.00-6	6 TT	10" SC	8 TT
	A-37	Dragon Fly	7.00-8	16 TL	6.00-6	6 TT
	T-41A	Strike Mescalero	6.00-6	4 TL	5.00-5	4 TL
Dassault	—	Alpha Jet	615x225-10	12 TL	380-150-4	8 TL
	—	Mirage F1	605x155-13	10 TL	360-135-6	12 TL
	—	Mirage III	750x230-15	14 TL	450x190-5	10 TL
	—	Mirage V	750x230-15	14 TL	450x190-5	10 TL
De Havilland (Bombardier)	U-1A	Otter	11.00-12	6 TT	6.00-6	6 TT
	CV-2B	Caribou	11.00-12	8 TL	7.50-10	6 TL
	U-6A	Beaver	8.50-10	6 TT	5.50-4	6 TT
	CV-7A	Buffalo	15.00-12	10 TL	8.90-12.50	6 TL
Douglas	A-4	Skyhawk	24x5.5	16 TT	18x5.5 18x5.7-8	12 TT 14 TL
	C-9A	Nightingale	40x14	24 TL	26x6.6	10 DT
	C-47	Skytrain	17.00-16	10 TT/TL	9.00-6	10 TT
	C-124	Globemaster II	25.00-28	30	15.50-20	14
Embraer	AM-X	—	670x210-12	18 TL	18x5.5	10 TL
	EMB-110	Bandeirante	670x210-12	10 TL	6.50-8	8 TT
	EMB-111	Patrulha	670x210-12	10 TL	6.50-8	8 TT
	EMB-121	Xingu	670x210-12	10 TL	16x4.4	6 TT
	EMB-312	Tucano	6.50-10	8 TT	5.00-5	8 /10 TT
	EMB-314	Super Tucano	6.50-10	14 TL	17.5-5.75-8	12 TL
	EMB-326	Xavante	21.5x7.00-10	12 TL	5.00-4.5	6 TL
	KC-390		H43x16.5-18	20 TL	31x16.5-10	18 TL
Fairchild	24	—	6.50-10 7.50-10	6 TT	8.00SC 10.00SC	6
	PT-19	—	6.50-10 8.50-10	6 TT	8.00SC 10.00SC	6
	C-26	Metroliner	19.5x6.75-8	10 TL	18x4.4 DT	10 TL
(Fairchild Republic)	A-10	Thunderbolt II	36x11	22 TL	24x7.7	14 TL

MANUFACTURER	MODEL	NAME	MAIN TIRE		AUXILIARY TIRE	
			TIRE SIZE	PLY RATING	TIRE SIZE	PLY RATING
Grumman	GAF	—	Nomad	8.00-6	8 TT	8.00-6
	C-1A	Trader	34x9.9	14 TT	18x5.5	12 TT
	E-1B	Tracer	34x9.9	14 TT	18x5.5	12 TT
	OV-1C	Mohawk	8.50-10	12 TL	6.50-8	8 TL
	C-2A	Greyhound	36x11	24 TL	20x5.5	12 TL
	E-2A	Hawkeye	36x11	24 TL	20x5.5	12 TL
	S-2D	Tracker	34x9.9	14 TT	18x5.5	12 TL
	EA-6B	Prowler	36x11	24 TL	20x5.5	16 TL
	HU-16E	Albatross	40x12	14 TT	26x6	10 TT
IAI	Helio	U-10A	Courier	6.50-8	6 TT	10" SC
	—	Arava	11.00-12	10 TL	9.00-6	10 TL
	—	Kfir	750-230-15	22 TL	450x190-5	22 TL
	P-2H	Neptune	56" SC	20 TL	34x9.9	14 TL
	P-3	Orion	40x14	26/28 TL	28x7.7	14 TL
	C-5A, B	Galaxy "FRED"	49x17	26 TL	49x17	26 TL
	F-16A/B	Viper	25.5x8.0-14 25.5x8.0R14	18/20 TL	18x5.5 18x5.7-8	14 TL
	F-16C/D Block 30	Viper	25.5x8.0-14 25.5x8.0R14	20 TL	18x5.7-8	18/20 TL
	F-16C/D Block 40/50	Viper	27.75x8.75-14.5 27.75x8.75R14.5	24 TL	18x5.7-8	18/20 TL
Lockheed	F-16E/F Block 60	Viper	27.75x8.75-14.5 27.75x8.75R14.5	24 TL	18x5.7-8	18/20 TL
	C-130E	Hercules	20.00-20	26 TT	12.50-16	12 TT
	C-130H	Hercules	20.00-20	26 TL	12.50-16	12 TT/TL
	C-130J	Super Hercules	20.00-20	26 TL	12.50-16	12 TL
	C-140A	Jetstar	26x6.6	14 TL	18x4.4 DT	10 TL
	A-4	Skyhawk	24x5.5	16 TT	18x5.7-8	14 TL
	AV-8B	Harrier II	26x7.75-13 26x7.75R13	10 TL	26x8.75-11 13.5x6.0-4	16 TL
	C-17	Globemaster III	50x21.0-20	30 TL	40x16	26 TL
	F-4	Phantom II	30x11.5-14.5	24/26 TL	18x5.5	14 TL
McDonnell Douglas	F-15	Eagle	34.5x9.75-18	26 TL	22x6.6-10	18 TL
	F-15E	Strike Eagle	36x11.0-18 36x11.0R18	30 TL	22x7.75-9	26 TL
	KC-10	Extender	52x20.5-23	30 TL	40x15.5-16	28 TL
	F-86	Sabre	26x6.6	—	22x7.25-11.50	—
	P-51	Mustang	27"	8	12.5X4.5	—
	T-2	Buckeye	24x5.5	12 TL	20x4.4	10 TL
	T-6	Texan	27"	8</		

SECTION 6D | Rotary Aircraft Application Charts

CODE:

TT=Tube-Type

TL=Tubeless

SC=Smooth Contour

MANUFACTURER	MODEL	NAME	MAIN TIRE		AUXILIARY TIRE	
			TIRE SIZE	PLY RATING	TIRE SIZE	PLY RATING
AgustaWestland	AW101, EH101		8.50-10	10 TL	7.00-8	10 TL
	AW109	Power, GrandNew	14.5x5.5-6	14 TL	SOLID	
	AW139		18x5.5	10 TL	5.00-5	10 TL
	AW149		24x7.7	14 TL	14.5x5.5-6	14 TL
	AW609		17.5x5.75-8	12 TL	5.00-4	14 TL
Airbus Helicopters (Eurocopter)	H175/EC175		615x275-10	12 TL	15x6.0-6	10 TL
(Aerospatiale)	H225/EC225	Super Puma?	615x275-10	12 TL	7.00-6	10 TL
	AS332/AS532	Super Puma/ Cougar	615x275-10	12 TL	7.00-6	10 TL
	EC725	Super Cougar	615x275-10	12 TL	7.00-6	10 TL
	SA321	Super Frelon	7.00-6	10	7.00-6	10
	SA330	Puma	7.00-6	10 TL	7.00-6	10 TL
	SA360/SA365	Dolphin	15x6.0-6	10	5.00-4	6 TT
	AS365/565/366	Dolphin	15x6.0-6	10	5.00-4	6 TT
	H155/EC155	Dolphin	15x6.0-6	10	5.00-4	6 TT
	665	Tiger	23x9.0-8	10 TL	5.00-5	8 TL
	214		19.5x6.75-8	10 TT	5.00-5	10 TT
Bell	222		6.00-6	8 TT	5.00-5	10 TT
	429	GlobalRanger	14.5x5.5-6	14 TL	5.00-4	14 TL
	XVI 5		6.50-8	8 TL	5.00-4	6 TT
	V-22	Osprey	8.50-10	12 TL	18x5.7-8	14 TL
Boeing	CH-46F	Sea Knight	18x5.5	8 TL	18x5.5	8 TL
	CH-47A	Chinook	22x5.5	12 TL	16x4.4	8 TT
	CH-47B	Chinook	8.50-10	8 TT	8.50-10	8 TT
	CH-47C	Chinook	8.50-10	12 TT	8.50-10	12 TT
	234	Chinook	8.50-10	10/12 RTL	8.50-10	10/12 TL
	AH-64A	Apache	8.50-10	10 TL	5.00-4	14 TL
	HH-2D, SH-2D, SH-2F, UH-2C	SeaSprite	17.5x6.25-11	8 TL	5.00-5	6 TT
Kaman	HH-43B, 43F	Huskie	5.00-5	10 TT	5.00-5	10 TT
	H-33D, E	SeaKing	6.50-10	6 TL	6.00-6	8 TT
Sikorsky	H34	Choctaw	11.00-12	12 TL	6.00-6	6 TT
	HH-52A	—	6.50-10	6 TL	5.00-5	6 TT
	CH/HH-53	Sea Stallion	8.50-10	10 TL	8.50-10	10 TL
	CH-53E	Super Stallion	8.50-10	16 TL	8.50-10	16 TL
	H-54A	Skycrane	12.50-16	12 TL	8.50-10	10 TL
	H-54B	Skycrane	8.50-10	12 TL	8.50-10	12 TL
	S58		11.00-12	8 TT	6.00-6	6 TT
	SH60B	Seahawk	26x10.0-11	10 TL	6.00-6	8 TT
	UH-60A	Blackhawk	26x10.0-11	12 TL	15x6.00-6	6 TT
	S61		6.50-10	6 TL	6.00-6	8 TT
	S70		26x10.0-11	12 TL	15x6.00-6	6 TT
	S76A		14.5x5.5-8	12 TL	5.00-4	12 TL
	S76B		14.5x5.5-6	14 TL	5.00-4	14 TL
Westland	W30		8.50-10	6 TL	5.00-5	4 TT

SECTION 7 | Engineering and Technical Information

Whether designing aircraft tires or simply talking about them, standardization of terms is important to ensure a common understanding between user, supplier, and manufacturer.

Tire Size Selection

MAIN WHEEL TIRES In the selecting tires for a newly designed aircraft, allowances should be made for increases in load bearing capability. Aircraft size generally grows during the life cycle of the airframe from prototype to first production units and eventually to heavier weight versions to meet operator requirements. Selecting a tire that permits an increased load capability will help avoid the costly necessity of changing tire size or wheel details required to support heavier aircraft versions.

The main wheel tire requirements should be based upon the most aft center of gravity location and the ground operational load-speed-time history considered to be the most severe during normal service operations. Consideration should be given to operations at high density altitudes.

NOSE WHEEL TIRES It is important that selection of a nose wheel tire be reviewed from both a static load requirement and a dynamic braking condition. Care should be taken during initial selection to allow for loading growth to avoid possible future retrofitting.

Nose wheel tire selection should be based on the most forward center of gravity load.

To enable tire manufacturers to offer technical assistance in the selection of main/nose gear tires, the forms on following pages are provided listing essential requirements for an engineering review to be conducted.

Tubeless Tires in Place of Tube Type Tires

A Goodyear tubeless tire (with a tube) of the same size can be used in place of a tube type tire if the tubeless tire has an equal or higher speed and ply rating than the tube type tire it is being used to replace. **IMPORTANT—Ensure any manufacturing stickers on the innerliner of a tubeless tire are removed prior to mounting to prevent damage to the tube.**

Tire Measurement Procedure

Before a tire can be measured, it must be mounted on its proper rim, inflated to the pressure given in the applicable table of the Tire Data section, allowed to stand at least 12 hours at ambient room temperature, and the pressure checked. The outside diameter of the tire should be determined by measuring circumferentially and calculating:

$$\text{OD} = \text{Circumference}$$

π

Operating Tire Temperatures

Aircraft tires shown in this handbook are not recommended for use where surface temperatures exceed 225°F (107°C), or where brake heat results in temperatures that exceed 300°F (149°C) at wheel surfaces adjacent to the tire and tube. Consult Goodyear for operation outside these limits.