

## Aircraft Engine Applications

Model	Engine Model	Champion Spin-On Filter	Champion Element	Model	Engine Model	Champion Spin-On Filter	Champion Element
<b>CESSNA</b>				<b>MAULE</b>			
T303	LTSIO-520-AE & TSIO-520-AE	CH48109-1	-	M5-180C, MX7-180	O-360-C, -C1F	CH48110-1	
310 C thru Q	IO-470	CH48108-1	CFO-100-1	M5-210C	IO-360D, -L2A	CH48103-1	
310 R	IO-520-M	CH48108-1	-	M5-210TC	TO-360-C1A6D	CH48103-1	
T310P, Q, R	TSIO-520-B	CH48108-1	CFO-100-1	M5-235C, M6-235, M7-235	O-540-J1A5D	CH48103-1	
320-A	TSIO-470	CH48104-1	-	MX-7-235	O-540-W1A5D	CH48103-1	
320-B, C	TSIO-470	CH48109-1	CFO-101-1	<b>MOONEY AIRCRAFT</b>			
320-D	TSIO-520	-	CFO-100-1	M20A, B, Mark21	O-360	CH48110-1	
320-D, E, F	TSIO-520-B	CH48108-1	-	M20D Master	O-360	CH48110-1	CFO-100-1
335	TSIO-520-EB	CH48109-1	-	M20C Ranger	O-360	CH48110-1	
336	IO-360	CH48108-1	CFO-100-1	M20G Statesman	O-360	CH48110-1	CFO-100-1
337	IO-360	CH48108-1	CFO-100-1	M20E Chaparral	IO-360, -L2A	CH48110-1	CFO-100-1
P337, P337H	TSIO-360	CH48108-1	CFO-100-1	M20F Executive	IO-360, -L2A	CH48110-1	CFO-100-1
T337H	TSIO-360-H	CH48108-1	CFO-100-1	M20J-201	IO-360-A3B6D, -L2A	CH48103-1	-
340	TSIO-520-K	CH48108-1	-	M20K-231	TSIO-360-G, LB	CH48108-1	
340A	TSIO-520-N, -NB	CH48109-1	CFO-100-1	M20M-TLS	TIO-540-AFIA, B	CH48110-1	
401/402	TSIO-520-E	CH48108-1	CFO-100-1	M20R	IO-550	CH48108-1	-
402C	TSIO-520-VB	CH48109-1	CFO-100-1	M22 Mustang	TIO-541	CH48110-1	CFO-100-1
404	GTSIO-520-M	CH48111-1	CFO-101-1	M20K-252 TSE	TSIO-360-MB1	CH48108-1	-
411-S/N 000 thru 0126	GTSIO-520-C	CH48104-1	-	<b>PIPER</b>			
411-S/N 0127 and up	GTSIO-520-C	CH48111-1	CFO-101-1	<b>CUB</b>			
414, 414A	TSIO-520-J, -N	CH48108-1	-	PA-18 "150"	O-320	CH48110-1	CFO-100-1
421A, B	GTSIO-520-D, -H,	CH48111-1	CFO-101-1	<b>TRI-PACER</b>			
421C-S/N 1017 thru 1404	-L, -N, ++	CH48111-1	CFO-101-1	PA-22 "150"	O-320	CH48110-1	CFO-100-1
<b>CIRRUS AIRCRAFT</b>				PA-22 "160"	O-320	CH48110-1	CFO-100-1
SRV, SR20	IO-360ES	CH48108-1		<b>COMANCHE</b>			
SR22	IO-550N	CH48109-1		PA-24 "180"	O-360	CH48110-1	CFO-100-1
<b>COLUMBIA/LANCAIR</b>				PA-24 "250"	O-540 or IO-540	CH48110-1	CFO-100-1
COLUMBIA 300, 350	IO-550N	CH48109-1	CFO-100-1	PA-24B, PA-24C "260"	O-540 or IO-540	CH48110-1	CFO-100-1
COLUMBIA 400	TS10-550	CH48109-1	CFO-100-1	PA-24 Turbo "260"	IO-540	CH48110-1	CFO-100-1
<b>DIAMOND AIRCRAFT</b>				<b>PAWNEE</b>			
DA20-1C	IO-240	CH48108-1	CFO-100-1	PA-25 "150"	O-320	CH48110-1	CFO-100-1
DA40-180	IO-360	CH48110-1	CFO-100-1	A25 "260"	O-540	CH48110-1	CFO-100-1
<b>GULFSTREAM AMERICAN (Single Engine Models)</b>				PA-36 Brave	6-285B	CH48109-1	-
AA-1, 1A, 1B, 1B Trainer, TR	2/LycO O-235	CH48110-1	CFO-100-1	PA-36-375 Brave	IO-720-D1C	CH48110-1	CFO-100-1
A1C Lynx, T-Cat	LycO O-235-L	CH48110-1	CFO-100-1	PA-36-400 Brave	IO-720D1CD	CH48104-1	CFO-101-1
AA-5 Traveler	LycO O-320-E	CH48110-1	CFO-100-1	<b>CHEROKEE, CADET</b>			
AA-5A Cheetah	LycO O-320-E	CH48110-1	CFO-100-1	PA-28 "140"	O-320	CH48110-1	CFO-100-1
AA-5B Tiger	LycO O-360-A4K	CH48110-1	CFO-100-1	PA-28 "150"	O-320	CH48110-1	CFO-100-1
Cougar	2/LycO O-320-D	CH48110-1	CFO-100-1	PA-28 "160", "161"	O-320	CH48110-1	CFO-100-1
<b>COMMANDER</b>				PA-28 "180"	O-360	CH48110-1	CFO-100-1
112, 112A	IO-360-C, -L2A	CH48110-1	CFO-100-1	PA-28 "180", "181"	O-360-A4M	CH48110-1	CFO-100-1
112TC	TO-360-C1A6D	CH48103-1	CFO-100-1	PA-28 "235"	O-540	CH48110-1	CFO-100-1
114	IO-540-T4A5D	CH48103-1	CFO-100-1	PA-28 "151"	O-320	CH48110-1	CFO-100-1
500B, 500U	IO-540	CH48110-1	CFO-100-1	<b>ARROW</b>			
700	TIO-540-R2AD	CH48103-1	CFO-100-1	PA-28R "180"	IO-360, L2A	CH48110-1	CFO-100-1
				PA-28R "180"	IO-360-C1CD, L2A	CH48103-1	CFO-100-1
				PA-28R "200"			
				Arrow II	IO-360, L2A	CH48110-1	CFO-100-1
				PA-284 "200"			
				Turbo Arrow III	TSIO-360	CH48108-1	-
				PA-28-R-201T	TSIO-360-F1	CH48108-1	

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++ Reference page 25-26 for other TCM application data.

\* Requires Lyco (54E23093)

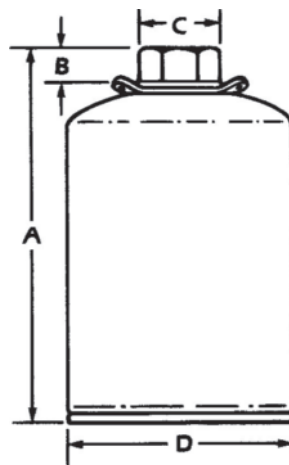


# Oil Filters

## Aircraft Engine Applications

Model	Engine Model	Champion Spin-On Filter	Champion Element	Model	Engine Model	Champion Spin-On Filter	Champion Element
<b>DAKOTA</b>				<b>TWIN COMMANCHE</b>			
PA-28-235	O-540-J3A5D	CH48103-1 *	CFO-100-1	PA-30 "160" Turbo	IO-320	CH48110-1	CFO-100-1
PA-28-201T	TSIO-360-FB	CH48108-1	-	PA-39 "160"	IO-320	CH48110-1	CFO-100-1
<b>CHEROKEE SIX</b>				PA-39 "160" Turbo	LIO-320	CH48110-1	CFO-100-1
PA-32 "260"	O-540	CH48110-1	CFO-100-1		IO-320	CH48110-1	CFO-100-1
PA-32 "300"	IO-540	CH48110-1	CFO-100-1	<b>NAVAJO</b>			
PA-32R "300"	IO-540-K1AD	CH48103-1 *	CFO-100-1	PA-31 "300"	IO-540	CH48110-1	CFO-100-1
PA-32R "300"	TIO-540-S1AD	CH48103-1 *	CFO-100-1	PA-31 "310" Turbo	TIO-540	CH48110-1	CFO-100-1
PA-32RT-300T	TIO-540-S1AD	CH48103-1 *	CFO-100-1	PA-31 "325"	IO-540-F2BD	CH48103-1	CFO-100-1
PA-32-301	IO-540-K1G5D	CH48103-1 *	CFO-100-1		LTIO-540-F2BD	CH48103-1	CFO-100-1
PA-32-301	TIO-540-S1AD	CH48103-1 *	CFO-100-1	PA-31 "350" Chieftain	TIO-540-J2BD	CH48103-1	CFO-100-1
PA-32R-301	IO-540-K1G5D	CH48103-1 *	CFO-100-1		LTIO-540-J2BD	CH48103-1	CFO-100-1
PA-32R-301	TIO-540-S1AD	CH48103-1 *	CFO-100-1	PA-31P "425"	TIGO-541	CH48104-1	CFO-101-1
<b>TOMAHAWK</b>				PA-31P "350" Mojave	TIO/LIO-540-V2AD	CH48104-1	
Trainer PA-38-112	O-235-L2C	CH48103-1 *	CFO-100-1	<b>SENECA</b>			
<b>MALIBU</b>				PA-34	IO-360C	CH48110-1	CFO-100-1
PA-46-301P	Cont TSIO-520-BE	CH48109-1			LIO-360C	CH48110-1	CFO-100-1
<b>MALIBU MIRAGE</b>				PA-34	IO-360-C1E6D	CH48103-1	CFO-100-1
PA-46-350-P	Lyc0 TIO-540-AE2A	CH48103-1		Seneca II	LIO-360-C1E6D	CH48103-1	CFO-100-1
<b>APACHE</b>					LTSIO-360-E	CH48108-1	-
PA-23 "150"	O-320	CH48110-1	CFO-100-1		TSIO-360-E	CH48108-1	-
PA-23 "160"	O-320	CH48110-1	CFO-100-1	Seneca III	TSIO-360-KB	CH48108-1	
PA-23 "235"	O-540	CH48110-1	CFO-100-1	PA-34-220T	LTSIO-360-KB	CH48108-1	
<b>AZTEC</b>				<b>PIPER AEROSTAR</b>			
PA-23 "250"	O-540	CH48110-1	CFO-100-1	PA-60-600, -600A	IO-540-G, -K	CH48110-1	CFO-100-1
"C" PA-23	IO-540	CH48110-1	CFO-100-1	PA-60-604, -601B	IO-540-P, -S	CH48110-1	CFO-100-1
PA-23 Turbo "250"	IO-540	CH48110-1	CFO-100-1	PA-60-601P	IO-540-S	CH48110-1	CFO-100-1
"C", "D", "E", "F"				PA-60-602P	IO-540-AA1A5	CH48110-1	CFO-100-1
PA-23 Turbo "250"	TIO-540	CH48110-1	CFO-100-1	<b>SEMINOLE</b>			
				PA-44-180	O-360-E1AD	CH48103-1 *	CFO-100-1
				PA-44-180T	TO-360-E1A6D		
					LTO-360-E1A6D	CH48103-1 *	CFO-100-1

## Dimensional Data



## Popular spin-on oil filters

Champion Part No.	A	B	C	D	Thread (SAE)	Dry Weight Lbs./Kg.
CH48103-1	4.48" (11.4 cm)	0.43" (1.09 cm)	1.00" Hex (2.54 cm)	3.71" (9.4 cm)	13/16-16-UNS-2B	1.32lbs. (0.59kg)
CH48104-1	5.73" (14.6 cm)	0.43" (1.09 cm)	1.00" Hex (2.54 cm)	3.71" (9.4 cm)	13/16-16-UNS-2B	1.41lbs. (0.64kg)
CH48108-1	4.48" (11.4 cm)	0.43" (1.09 cm)	1.00" Hex (2.54 cm)	3.71" (9.4 cm)	3/4-16-UNF-2B	1.40lbs. (0.64kg)
CH48109-1	5.73" (14.6 cm)	0.43" (1.09 cm)	1.00" Hex (2.54 cm)	3.71" (9.4 cm)	3/4-16-UNF-2B	1.51lbs. (0.68kg)
CH48110-1	4.48" (11.4 cm)	0.43" (1.09 cm)	1.00" Hex (2.54 cm)	3.71" (9.4 cm)	3/4-16-UNF-2A	1.38lbs. (0.63kg)
CH48111-1	5.73" (14.6 cm)	0.43" (1.09 cm)	1.00" Hex (2.54 cm)	3.71" (9.4 cm)	3/4-16-UNF-2A	1.47lbs. (0.67kg)

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\* Requires Lyc0 (54E23093)



# Oil Filters

## Aircraft Engine Applications

Model	Engine Model	Champion Spin-On Filter	Champion Element	Model	Engine Model	Champion Spin-On Filter	Champion Element
<b>AEROSPATIALE (Socata)</b>				<b>NOTE:</b> All Cessna aircraft modified under Cessna Service Bulletin SEB-93-1 or MEB 93-1, require Champion Oil Filter CH48108-1. The CH48109-1 may also be used if clearance permits installation.			
TB9 Tampico	O-320-D2A	CH48110-1	CFO-100-1	<b>CESSNA</b>			
TB10 Tobago	O-360-A1AD	CH48110-1	CFO-100-1	150 A thru M	O-200	CH48108-1	CFO-100-1
TB20 Trinidad	IO-540-C4D5D	CH48103-1	CFO-100-1	F150 F thru M	O-200	CH48108-1	CFO-100-1
TB21 Trinidad TC	TIO-540-AB1AD	CH48103-1	CFO-100-1	A150L	O-200	CH48108-1	CFO-100-1
TB30	AEIO-540-L1B5D	CH48103-1	CFO-100-1	FA150	O-200	CH48108-1	CFO-100-1
<b>AEROSTAR (See Piper)</b>				152	O-235-L2C, H2C	CH48110-1	-
<b>BEECH</b>				162	O-200-D	CH48108-1	-
<b>BONANZA</b>				C-172			
E33A, F33A, F33B, F33C	IO-520	-	CFO-100-1	172 A thru H	O-300	CH48108-1	CFO-100-1
E33A, F33A, F33B, F33C	IO-520B	CH48109-1	-	172 I thru M	O-320	CH48110-1	CFO-100-1
G-33	IO-470N	CH48108-1	-	172N	O-320-H2AD	CH48103-1	-
H-35	O-470	CH48108-1	-	172P	O-320-D2J	CH48111-1	CFO-101-1
J, K, M-35	IO 470-C	CH48108-1	-	F172 D thru H	O-300	CH48108-1	CFO-100-1
N, P-35	IO-470-N	CH48108-1	-	FR172 E thru K	IO-360	CH48108-1	CFO-100-1
S35, V35, V35A, V35B	IO-520	-	CFO-100-1	R172K	IO-360-K	CH48108-1	-
S35	IO-520B	CH48109-1	-	172R and S	IO-360-L2A	CH48110-1	-
V35TC, V35A-TC, V35B-TC	TSIO-520	-	CFO-100-1	172RG	O-360-F1A6	CH48110-1	CFO-100-1
V35TC, V35A-TC, -V35B-TC	TSIO-520D	CH48109-1	-	172S	IO-360-L2A	CH48110-1	-
V35, V35A, V35B	IO-520B	CH48109-1	-	177	O-320	CH48110-1	CFO-100-1
36, A36	IO-520B	CH48109-1	-	177A, B	O-360-A1F6D	CH48103-1	CFO-100-1
A36TC, B36TC	TSIO-520-UB	CH48109-1	-	177RG	IO-360-A1B6D	CH48103-1	CFO-100-1
B36-550	IO-550	CH48109-1	-	180 A thru J	O-470	CH48108-1	CFO-100-1
<b>DEBONAIR/BONANZA</b>				180Q	O-470-U++	CH48108-1	CFO-100-1
C33A, E33A, E33C	IO-520	-	CFO-100-1	180-S/N 53087 & Up	1111O-470-U++	CH48108-1	-
C33A, E33A, F33C	IO-520B	CH48109-1	-	C-182			
<b>MUSKETEER</b>				182 A Thru P	O-470	CH48108-1	CFO-100-1
Sport III	O-320	CH48110-1	CFO-100-1	182Q, R	O-470-U++	CH48108-1	CFO-100-1
23	O-320	CH48110-1	CFO-100-1	182S	IO-540-AB1A5	CH48110-1	-
A23-19, 19A, B19 Sport	O-320	CH48110-1	CFO-100-1	A182 K thru N	O-470	CH48108-1	CFO-100-1
A23, 23, A23A	IO-346	-	CFO-100-1	182-S/N 67042 & Up	O-470-U++	CH48108-1	-
A23, A23A	IO-346A	CH48109-1	-	F182-S/N 00130 & Up	O-470-U++	CH48108-1	-
B23, C23 Sundowner	O-360	CH48110-1	CFO-100-1	R182	O-540-J3C5D	CH48103-1	CFO-100-1
B23	O-360A4JD	CH48103-1	CFO-100-1	T182	O-540-L3C5D	CH48103-1	CFO-100-1
<b>SIERRA</b>				TR182, FTR182	O-540-L3C5D	CH48103-1	CFO-100-1
24, A-24, A-24R, B-24R, C-24R	IO-360, -L2A	CH48110-1	CFO-100-1	185 A thru D	IO-470, IO-520	CH48108-1	CFO-100-1
<b>SKIPPER</b>				A185E, F	IO-470, IO-520	CH48108-1	CFO-100-1
77	O-235-L2C	CH48110-1	-	185-S/N 03852 & Up	IO-520	CH48108-1	-
<b>BEECH</b>				188	O-470, IO-520	CH48108-1	CFO-100-1
<b>BARON</b>				188-S/N 03474 & Up	IO-520D	CH48109-1	-
C55, D55, E55, 58	IO-520	-	CFO-100-1	T188-S/N 03474 & Up	TSIO-520	CH48109-1	-
C55, D55, E55, 58	IO-520C	CH48109-1	-	205A	IO-470	CH48108-1	CFO-100-1
56TC, A56TC	TIO-541-E	CH48104-1	CFO-101-1	C-206	IO-540	CH48110-1	CFO-100-1
Baron 58P	TSIO-520-L++	-	CFO-100-1	206 A thru G	IO-520	CH48108-1	CFO-100-1
Baron 58P, 58TC	TSIO-520-L, -W, -B	CH48108-1	-	206H	IO-540-AC1A5	CH48110-1	-
Baron 58C, 550	IO-550	CH48109-1	-	206-S/N 05030 & Up	IO-520	CH48109-1	-
<b>DUKE</b>				206-S/N 05030 & Up	TSIO-520	CH48109-1	-
60, A60, B60	TIO-541	CH48104-1	CFO-101-1	U206	IO-520	CH48108-1	CFO-100-1
<b>QUEEN AIR</b>				T-206H	TIO540-AJ1A	CH48110-1	-
65, 70	IGSO-480	CH48111-1	CFO-101-1	TU-206	TSIO-520	CH48108-1	CFO-100-1
80, 88, B80	IGSO-540	CH48111-1	CFO-101-1	P206	IO-520	CH48108-1	CFO-100-1
<b>TRAVEL AIR</b>				TP206	TSIO-520	CH48108-1	CFO-100-1
95, B95	O-360	CH48110-1	CFO-100-1	207	IO-520	CH48108-1	CFO-100-1
B95A, D95A, E95	IO-360, L2A	CH48110-1	CFO-100-1	207-S/N 05227 & Up	IO-520	CH48109-1	-
<b>DUCHESS</b>				T207-S/N 05227 & Up	TSIO-520	CH48109-1	-
76	LO-360-A1G6D & O-360-A1G6D	CH48103-1		T207	TSIO-520	CH48108-1	CFO-100-1
<b>BELLANCA</b>				210	IO-470, IO-520	CH48108-1	CFO-100-1
17-31A, 17-31ATC	IO-540-K	CH48110-1	CFO-100-1	210-S/N 63373-63375 & Up	IO-520	CH48109-1	-
17-31A Viking	IO-540-K	CH48110-1	CFO-100-1	T210-S/N 63373-63375 & Up	TSIO-520	CH48108-1	-
17-31A Viking	IO-520-D	-	CFO-100-1	P210-S/N 278 & Up	TSIO-520	CH48108-1	-
17-31ATC Turbo	TIO-540	CH48110-1	CFO-100-1	T210, P210-S/N 1-277	TSIO-520++	CH48108-1	CFO-100-1

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