

#### APS BlackSteel® Brake Discs and Linings

Improved braking performance with superior rust pit resistance

APS is a leading manufacturer of FAA-PMA replacement brake components. Their proprietary BlackSteel brake discs and linings are designed to provide optimal braking performance and strength with longer service life.



One of the most important factors in disc and lining performance and safety margins is proper break-in.

For break-in procedures go to:

www.mcfarlaneaviation.com/pdfDocuments/APSBreak-InProcedures.pdf



## A Truly Superior Product! Don't Buy Yesterday's Technology!

## APS BlackSteel® Brake Discs

State-of-the-art CNC machined from a one-piece forging The high quality APS BlackSteel brake discs are CNC machined from one piece forgings, eliminating weld failures. When the metal is forged, it creates a directional grain flow that follows the contour of the disc. This allows for a much stronger disc that has a reduced risk of the cracking, distortion and catastrophic failures associated with inferior welded designs.

Proprietary heat treatment provides strength and corrosion resistance

BlackSteel discs are put through a proprietary heat treating process that strengthens the steel by

bonding the carbon, oxygen, and nitrogen in the top layer of the metal. The process is not a coating, but a transformation of the top layer of the metal, providing corrosion resistance. The heat treatment gives the steel its black appearance and provides the surface with a high resistance to the corrosion and oxidation associated with the extreme thermal cycling experienced in aircraft braking systems. This makes it an excellent choice for agricultural aircraft that work in a harsh, chemical environment, as well as for anyone who leaves their aircraft outside most of the time.

The reduction of corrosion, pitting, rusting and longer service life result in enhanced safety, durability and value, while providing optimum braking performance and strength. APS discs can be used with APS lining or other PMA or OEM lining.



P/N APS164-02706



P/N APS164-00300



P/N APS164-03006

# Improved!

Top Lining P/N APS66-04400

Bottom Lining

## APS Brake Linings

#### Superior stopping power

Two types of brake linings are available: semi-metallic/organic (abrasive) and metallic (adherent). The part number of the brake assembly as determined by the OEM dictates which type of lining is to be used. APS linings can be used with APS discs or other PMA or OEM discs.

#### Semi-Metallic Brake Linings

The semi-metallic linings are made with Kevlar fibers integrated into the material, providing the greatest stopping power and long lining life. The optimal operating temperature of the semi-metallic linings is 600-900 deg F.

#### Metallic Brake Linings

APS metallic brake linings are constructed from an innovative design and durable materials, providing longer wear and superior stopping power for greater safety. The main ingredient in the metallic linings is iron. In an adherent system, a thin layer of lining material transfers and adheres to the disc during break-in. The optimal operating temperature range of the metallic linings is 950-1200 deg F.







P/N APS66-10600





Improved in 2012 to Break-In Easier and Last Longer!

#### APS Lining Retaining Rivets and Pins

Lining retaining pins are used on various metallic brake linings and rivets are used on various organic brake linings. Retaining pins are sold individually and rivets are sold in packages of 25.

Rivets and Pins										
Part Number	Description	Head Diameter	Shank Diameter							
APS105-00200	Rivet	5/16"	5/32"							
APS105-06700	Rivet	5/16"	3/16"							
APS177-00300	Pin	5/16"	5/32"							
APS177-00400	Pin	5/16"	3/16"							
APS177-01600	Pin	3/8"	3/16"							





See the following pages for use eligibility





FAA-PMA Approved

Brake

Brake Disc, Lining and Rivet Eligibility for Aircraft with Original Wheel and Brake Assemblies
Note: The wheel and brake assemblies on many aircraft have been changed. Verify the wheel and brake assembly part numbers on your aircraft to ensure proper selection.
See the table on pages 239-240 for eligibility for aircraft with conversion kits installed. Rivet or Pin P/N Aircraft Model Serial Number Wheel Assy P/N Brake Assy P/N Brake Disc P/N Lining P/N J-2 All 40-78B 30-9 APS164-01700 APS105-00200 APS66-10600 Aerofab LA-250 (6-Place) Renegade APS164-00700 40-74B APS66-10600 APS105-00200 APS164-04000 APS66-10500 APS105-00200 246 and up 2 LA-4 40-74 or 40-74B 30-51 or 30-51B APS105-00200 APS164-00700 APS66-10600 40-74A 30-51 APS66-10600 APS105-00200 Aerospatiale/Socata 100,110,125,150,180 Series 110ST 40-97D 30-631 APS164-02601 APS66-10500 2 APS105-00200 160ST Gamement, 180T Gairien. 2 ΔII 40-97D 30-631 APS164-02601 APS66-10500 APS105-00200 180GT Gailaard 220,236 Series, 235G Guerrier, 235GT Gabrier, 235CA Gaucho, TB20, 21 ΑII 40-84 30-41B APS164-01900 APS66-10600 APS105-00200 Trinidad TB30 Epsilon 40-90B 30-23B APS164-02201 APS66-06500 APS177-00300 IAII TB9 Tampicp, TB10 Tobago, TB200 30-633 APS164-02601 APS66-10500 APS105-00200 112,112A 112B,112TC,112TCA,114, 114A,B APS164-04300 APS66-10500 APS105-00200 40-113A IAII 30-79 2 APS105-00200 APS66-10500 Air Tractor 30-67X APS66-10800 APS105-00200 4 AT-300,301,302 ΔII 40-101 APS164-03006 APS105-00200 30-89 APS66-10800 AT-400 AII 40-133 APS164-05806 APS105-00200 APS66-10800 30-67X APS66-10800 APS105-00200 AT-400A ΑII 40-101 APS164-03006 30-89 APS66-10800 APS105-00200 AT-401,401A AT-402,501,502,503,503A 40-234 40-133 APS164-05606 APS66-10800 APS164-05806 APS66-10800 APS105-00200 AII 30-98C 12 AT-602 40-403 APS164-22202 40-279 30-210 APS164-23001 APS66-13100 16 APS105-06700 AT-802 All 2 40-279A 30-210A APS164-23002 APS66-13100 16 APS105-06700 Aircraft Designs 40-75B 30-52 APS164-01501 APS66-10500 APS105-00200 40-28D 30-19A APS164-00500 APS66-10600 APS105-00200 AII 2 7ACA APS164-01700 APS105-00200 40-78B 30-9 APS66-10600 7ECA, 7GCAA, 7GCBC, 7KCAB ΑII 40-28D 30-19A APS164-00500 APS66-10600 APS105-00200 APS164-01100 APS66-10600 APS105-00200 8GCBC Scout 40-47 30-32B 4 All APS164-00500 APS105-00200 8KCAB All 40-280 APS66-10600 T-250 Aries 40-756 30-525 APS164-01501 APS66-10500 APS105-00200 Arctic Aircraft 40-28 APS164-00500 APS105-00200 001 thru 1021 30-18 APS66-10600 S1B2 Arctic Tern 1022 and up 40-86B 30-55 APS164-02000 APS66-10500 APS105-00200 ASTA GAF (Nomad) N22B, N22S All 40-75T 30-52Q APS164-08300 APS66-10500 4 APS105-00200 APS105-00200 APS177-00300 40-75T 40-143 APS164-08300 APS164-08200 APS66-10500 APS66-06200 30-52Q 30-129 All 2 Avions Pierre Robin APS164-03601 APS66-10500 DR400 Series ΑII 40-97D APS164-02601 APS66-10500 APS105-00200 30-63D or 30-63E APS164-02601 APS66-10500 APS105-00200 HR100 All 2 40-97D 30-52N APS164-03601 APS66-10500 APS105-00200 40-97D APS105-00200 HR120 AII 30-63D or 30-63E APS164-02601 APS66-10500 30-63D or 30-63E APS105-00200 APS164-02601 APS66-10500 HR200 All 2 40-97D APS164-03601 APS66-10500 APS105-00200 30-52N 30-52N APS105-00200 HR210 All 40-97D APS164-03601 APS66-10500 4 HR400 Series 40-97D 30-52T N/A APS66-10500 4 APS105-00200 R1000, R2000, R3000 Series 40-97D 30-63E N/A APS66-10500 APS105-00200 APS164-02601 APS105-00200 R35-001 and up 1939 thru 2529R S2R-PZL600 Thrush 40-133 30-98D APS164-05806 APS66-10800 12 8 APS105-00200 APS164-05606 APS66-10800 APS105-00200 S2R-600 Thrush 2530R and up 40-133 30-98D APS164-05806 APS66-10800 APS105-00200 S2R-711 Turbo Thrush T11-001 and up 40-133 30-98D APS164-05806 APS66-10800 12 APS105-00200 APS105-00200 5000R thru 5082F APS66-10800 APS164-05806 S2R-800 Thrush 40-133 APS66-10800 5083R and up 30-98 APS105-00200 APS164-05806 S2RHG-T65 Turbo Thrush 40-133 30-98D APS66-10800 APS105-00200 APS105-00200 S2R-R1340, S2R-R1820, S2R-R3S 40-133 30-98D APS164-05806 APS66-10800 S2R-T15 Turbo Thrush APS105-00200 6000 and up T41-089 and 090 S2R-T34 Turbo Thrush APS164-05806 S2R-T41 Turbo Thrush 40-133 APS164-05806 APS66-10800 APS105-00200 S2R-T65 Turbo Thrush 40-133 APS164-05806 APS66-10800 APS105-00200 M19A, B19 MB-461 thru MB-865 A23, A23A, A23-19, A23-24 B23, C23 40-113C 30-75B or 30-79A APS164-04300 APS66-10500 APS105-00200 M-1095 thru M-1979 A24R, B24R, C24R1 MC-22 thru MC-536 33. A33 40-1 30-1 APS164-00900 APS66-11100 APS105-00200 B331 APS164-00700 APS105-00200 CD-388 thru CD-639 40-37 30-24 APS66-10600 4 CE-301 thru CE-634 40-83 30-54 APS164-02505 APS66-10500 APS105-00200 F33A1 CE635 thru CE-1071 40-83A 30-540 APS164-02505 APS66-10500 APS105-00200 F33C1 CJ-125 thru CJ-155 APS164-02505 APS105-00200 40-83A APS66-10500 4 30-540 APS164-02504 CD-1272 thru CD-1304 40-83 APS105-00200 APS66-10500 V35B<sub>1</sub> D-9862 thru D-10403 40-83 30-54A APS164-02504 APS66-10500 4 APS105-00200 36, A36 E-1 thru E-824 40-83 APS164-02505 APS66-10500 4 APS105-00200 APS105-00200 A361 30-54,54A,or 54C APS164-02505 APS66-10500 E-825 thru E-3635 40-83A 4 Partial model eligibility 2 Must verify wheel or brake assembly P/N

Eligibility continued on next page





_	FAA-PiviA Appi oved			and Emmig				minim protects systems, los.
	ontinued from previous page	Serial Number	Mhool Assu B/N	Proko Assy D/N	Brake Disc P/N	Lining P/N	Linings per	Rivet or
	rcraft Model BGTC, B3GTC	EA-1 thru EA-695	Wheel Assy P/N 40-83A or 40-83B	Brake Assy P/N 30-54A or 30-54C	APS164-02505	APS66-10500	Wheel 4	Pin P/N APS105-00200
	3010, 33010	All	40-128D	30-93B	APS164-06106	APS66-09700	6	APS177-00300
B5	55	TC-2092 thru TC-2180	40-128	30-93B	APS164-06106	APS66-04400	6	APS177-00300
B5		TC-2181 thru TC-2456	40-98G	30-66G	APS164-02706	APS66-09700	4	APS177-00300
	55, D55	All	40-98 40-128D	30-66 30-93C	APS164-02706 APS164-06106	APS66-04400 APS66-09700	6	APS177-00300 APS177-00300
Brake and		TE-768 thru TE-1142	40-98	30-66	APS164-02706	APS66-04400	4	APS177-00300
ES ES	5	TE-1143 thru TE-12012	40-98	30-66	APS164-02706	APS66-04400	4	APS177-00300
<u> </u>			40-98G	30-66G	APS164-09700	APS66-09700	4	APS177-00300
56	STC, A56TC	All	40-98	30-69A	APS164-02706	APS66-02200	6	APS177-00300
		TH-1 thru TH-972	40-128D 40-98	30-93C 30-66	APS164-06106 APS164-02706	APS66-09700 APS66-04400	4	APS177-00300 APS177-00300
58	3		40-98	30-66	APS164-02706	APS66-04400	4	APS177-00300
Ш		TH-973 thru TH-2124	40-98G	30-66G	APS164-02706	APS66-09700	4	APS177-00300
	BP1	TJ-436 thru TJ-497	40-171	30-145	APS164-20806	APS66-09700	6	APS177-00300
B6		All	40-171 40-83	30-145 30-54B	APS164-20806 APS164-02504	APS66-09700 APS66-10500	6 4	APS177-00300 APS105-00200
	ellanca	Aii	1+0 03	J30 34B	AI 3104 02304	A 300 10300	_	AI 3103 00200
17	7-30A, 17-31A, 17-31ATC	All	40-75E	30-52M	APS164-01501	APS66-10500	4	APS105-00200
		All	40-101	30-89A	APS164-03006	APS66-10800	6	APS105-00200
	urkhart Grob 103, G103C Twin II Sailplane	All	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
	109 Series Power Glider	All	40-78B	30-63A 30-9	APS164-02601 APS164-01700	APS66-10500 APS66-10600	2	APS105-00200 APS105-00200
Ce	essna							
		All	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
	50A <b>1</b> ,B	15059119 thru 15059700	40-12	30-9	APS164-00400	APS66-10600	2	APS105-00200
	50C 50D,E	All	40-57 40-79A	30-40 30-40	APS164-00400 APS164-01600	APS66-10600 APS66-10600	2	APS105-00200 APS105-00200
	50F,G	All	40-97	30-63	APS164-02601	APS66-10500	2	APS105-00200
	50H,J,K	All	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
		15072004 thru 150748502	D-30063	C-30018	N/A	APS66-10900	2	APS105-00200
1.0	50L <b>11</b> ,M <b>1</b>	15074851 thru 15077403	40-113 40-113	30-75 30-75	APS164-04000 APS164-04000	APS66-10500 APS66-10500	2	APS105-00200 APS105-00200
13	,1/1 <b></b>	15074851 thru 15077403 15077380, 15077402,	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200 APS105-00200
		15077404 thru 150791132	D30291-6	C30018 or C30018-4	APS164-30440	APS66-10900	2	APS105-00200
A:	150K	All	40-97A	30-63A	APS164-02601	APS66-10500		APS105-00200
Λ1	L50L <b>1</b> , M <b>1</b>	A1500227 thru A15004292	D-30063 40-113	C-30018 30-75	N/A APS164-04000	APS66-10900 APS66-10500	2	APS105-00200 APS105-00200
A.	.50E-1, PI	A1500430 thru A15000641	40-113	30-75	APS164-04000	APS66-10500 APS66-10500	2	APS105-00200 APS105-00200
۸.	50M1		40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
	L50M1	A15000642 thru A15007172	D30291-6	C30018 or C30018-4	APS164-30440	APS66-10900	2	APS105-00200
	.50F,G	All	40-97	30-63	APS164-02601	APS66-10500	2	APS105-00200
	.50H,J .50K,L,M <b>1</b>	F1500530 thru F15001332	40-97A 40-113	30-63A 30-75	APS164-02601 APS164-04000	APS66-10500 APS66-10500	2	APS105-00200 APS105-00200
			40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
	.50M1	F15001333 thru F150014182	D30291-6	C30018-4	APS164-30440	APS66-10900	2	APS105-00200
	150K,L	All	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
	RA150L	All	40-113 40-113	30-75 30-75	APS164-04000 APS164-04000	APS66-10500 APS66-10500	2	APS105-00200 APS105-00200
15	52	All2	D30063	C-30018	N/A	APS66-10900	2	APS105-00200
A1	152, F152	All	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
			40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
EA	152	All 2	D-30660-1 D-30600-1	C-30018-5 C-30018-5	APS164-30615-4 N/A	APS66-10900 APS66-10900	2	APS105-00200 APS105-00200
r/	1132	Alle	D-30580	C-30018-5	APS164-30195	APS66-10900	2	APS105-00200
			D-30291-6	C-30018-4	APS164-30440	APS66-10900	2	APS105-00200
	72 <b>1</b> , 172A,B,C	17246421 thru 17249544	40-113	30-75	APS164-04000	APS66-10900	2	APS105-00200
17	<sup>7</sup> 2D,E,F,G,H,I,K	All	40-97A	30-56, 30-63, 30-63A	APS164-02601	APS66-10500	2	APS105-00200
17	72L,M <b>1</b>	17259224 thru 172634582	40-97A D-30063	30-56, 30-63, C-30018-2	APS164-02601 N/A	APS66-10500 APS66-10900	2	APS105-00200 APS105-00200
1		1,255221 dild 1/205450	40-113	30-63A, 30-75A	APS164-04000	APS66-10500	2	APS105-00200
	72M <b>11</b> ,N,P,Q,R,S	17263459 and on	40-113	30-75A	APS164-04000	APS66-10500	2	APS105-00200
	<sup>7</sup> 2RG	All	D-30660-1	C-30018-6, C-30764-5	APS164-30615-4	APS66-10900	2	APS105-00200
	.72F,G,H .72K	All	40-97A 40-113	30-56, 30-63A 30-75A	APS164-02601 APS164-04000	APS66-10500 APS66-10500	2	APS105-00200 APS105-00200
	.72L	F17200805 thru F17200904	40-113	30-75A	APS164-04000	APS66-10500	2	APS105-00200
	.72M	F17200905 thru F172015142	40-113	30-75A	APS164-04000	APS66-10500	2	APS105-00200
	.7211	11,200303 Gila (172013142	D-30260, D30580	C-30018-2	APS164-30195	APS66-10900	2	APS105-00200
F1	.72N1	F17201515 thru F17201639	D-30600-1 40-113	C-30018-6 30-75A	N/A APS164-04000	APS66-10900 APS66-10500	2	APS105-00200 APS105-00200
F1	.72N <b>11</b> ,P	F17201640 thru F17202254	D-30660-1 40-113	C-30018-6, C30764-6 30-75A	APS164-30615-4 APS164-04000	APS66-10900 APS66-10500	2	APS105-00200 APS105-00200
F1	.72RG	All	40-113	30-75A	APS164-04000	APS66-10500	2	APS105-00200
	R172J <b>1</b>	FR17200351 thru FR17200590	D-30260	C-30018-2	APS164-30195	APS66-10900	2	APS105-00200
FR	R172K1	FR17200591 thru FR17200620	D-30600-1	C-30018-6	N/A	APS66-10900	2	APS105-00200
	172H <b>1</b>	FR17200621 thru FR17200675 R1720453 thru R1720603	D-30660-1 D-30063	C-30018-6, C30764-6 C-30018-2	APS164-30615-4 N/A	APS66-10900 APS66-10900	2	APS105-00200 APS105-00200
	75 <b>11,</b> A,B	17555876 thru 17557119	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200 APS105-00200
	77A,B	17701165 thru 17701530	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
	77B <b>1</b>	17701531 thru 17702123	40-113	30-45	APS164-04000	APS66-10500	2	APS105-00200
		17702124 thru 177023132	40-113	30-45	APS164-04000	APS66-10500	2	APS105-00200
			D-30580	C-30018-4	APS164-30195	APS66-10900	2	APS105-00200
	<b>-</b>	17702314 thru 177025222	40-113 D-30291-6	30-45 C-30018-4	APS164-04000 APS164-30440	APS66-10500 APS66-10900	2	APS105-00200 APS105-00200
17	77B <b>1</b>		40-113	30-45	APS164-04000	APS66-10500	2	APS105-00200 APS105-00200
		17702523 thru 17702672	D-30660-1	C-30018-5	N/A	APS66-10900	2	APS105-00200
		17702673 thru 177027522	40-113	30-45	APS164-04000	APS66-10500	2	APS105-00200
	Partial model eligibility		D-30660-1	N/A	APS164-30615-4	APS66-10900	2	APS105-00200

Partial model eligibility
 Must verify wheel or brake assembly P/N

Eligibility continued on next page.





FAA-PMA Approved

Continued from previous page						AA-FI	na approved
Aircraft Model	Serial Number	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Linings per Wheel	Rivet or Pin P/N
Cessna	4770,0004 11, 4770,00503	40.442	120.75	ADC164 04000	ADCCC 10F00		ADCIOE OCCO
	177RG0001 thru 177RG0592	40-113 40-113	30-75 30-75	APS164-04000 APS164-04000	APS66-10500 APS66-10500	2	APS105-00200 APS105-00200
	177RG0593 thru 177RG07872	D-30580	C-30018-4	APS164-30195	APS66-10900	2	APS105-00200
4===	177RG0788 thru 177RG10512	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
177RG		D-30291-6 40-113	C-30018-4 30-75	APS164-30440 APS164-04000	APS66-10900 APS66-10500	2	APS105-00200 APS105-00200
	177RG1052 thru 177RG12662	D-30660-1	C-30018-5	N/A	APS66-10900	2	APS105-00200
	177RG1267 thru 177RG13662	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
	F177RG0001 thru F177RG0122	D-30660-1 40-113	N/A 30-75	APS164-30615-4 APS164-04000	APS66-10900 APS66-10500	2	APS105-00200 APS105-00200
	F177RG0123 thru F177RG01382	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
E1 770 C	F17/RG0123 UIIU F17/RG01362	D-30580	C-30018-4	APS164-30195	APS66-10900	2	APS105-00200
F177RG	F177RG0139 thru F177RG01602	40-113 D-30291-6	30-75 C-30018-4	APS164-04000 APS164-30440	APS66-10500 APS66-10900	2	APS105-00200 APS105-00200
	F177RG0161 thru F177RG01772	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
1000		D-30660-1	C-30018-5	N/A	APS66-10900	2	APS105-00200
180G	All 18051775 thru 18051993	40-75B 40-66	30-52 30-21	APS164-01501 APS164-00700	APS66-10500 APS66-10600	4	APS105-00200 APS105-00200
180H1	18052011 thru 18052284	40-75D	30-52D, 30-52N	APS164-03601	APS66-10500	4	APS105-00200
		D-30063-1	C-30018-1	N/A	APS66-10900	2	APS105-00200
1803	18052285 thru 180525002	D30291-3 40-75B	C30118-4 30-52D	APS164-30414 APS164-01501	APS66-10900 APS66-10500	2	APS105-00200 APS105-00200
		40-75D	30-52N	APS164-03601	APS66-10500	2	APS105-00200
100151/5	10052504 :: 1005555	40-75B	30-52D	APS164-01501	APS66-10500	2	APS105-00200
180J <b>1</b> ,K <b>1</b>	18052501 thru 180529242	40-75D D30291-3	30-52N C30118-4	APS164-03601 APS164-30414	APS66-10500 APS66-10900	2	APS105-00200 APS105-00200
		40-75B	30-52D	APS164-01501	APS66-10500	2	APS105-00200
180K1	18052925 thru 180532032	40-75D	30-52N	APS164-03601	APS66-10500	2	APS105-00200
182B <b>1</b> ,C,D,E,F,G,H,J,K,L,M,N <b>1</b>	18251886 thru 18260445	D30660-2 40-97A	C30118-5 30-63A, 30-56A	APS164-30615-2 APS164-02601	APS66-10900 APS66-10500	2	APS105-00200 APS105-00200
182N <b>1</b>	18260446 thru 18260825	40-113	30-75	APS164-02001 APS164-04000	APS66-10500	2	APS105-00200
102.10	18260826 thru 18264295	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
182P <b>1</b>	18264296 thru 182651752	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
		D-30291-6 40-113	C-30018-4 30-75	APS164-30440 APS164-04000	APS66-10900 APS66-10500	2	APS105-00200 APS105-00200
	18265176 thru 182653282	D-30600-1	C-30018-5	N/A	APS66-10900	2	APS105-00200
		40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
182Q <b>1</b>	18265329 thru 182659652	D-30600-1 D30660-1	C-30018-5 C-30018-5	N/A APS164-30615-4	APS66-10900 APS66-10900	2	APS105-00200 APS105-00200
	10055055 11 10057715	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200
	18265966 thru 182677152	D-30600-1	C-30018-5	APS164-30615-4	APS66-10900	2	APS105-00200
182R1	18267716 thru 18268541	D30660-3	D30118-4 30-52E	APS164-30615-3	APS66-10900 APS66-10500	2	APS105-00200
182S,T, T182T F182P	All	40-75B D-30291-6	C-30018-4	APS164-01501 APS164-30440	APS66-10500 APS66-10900	2	APS105-00200 APS105-00200
F182Q <b>1</b>	F18200026 thru F18200064	D-30600-1	C-30018-5	N/A	APS66-10900	2	APS105-00200
F182Q1	F18200065 thru F18200169	D-30660-1	C-30018-5	APS164-30615-4	APS66-10900	2	APS105-00200
FR182, R182, TR182, T182 185, 185A	All	D-30660-3 40-32	D-30118-3 30-21	APS164-30615-3 APS164-00700	APS66-10900 APS66-10600	4	APS105-00200 APS105-00200
185B	All	40-66	30-21	APS164-00700	APS66-10600	4	APS105-00200
185C,D,E	185-0654 thru 185-1149	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
A185E1	185-1150 thru 185020902	40-66 40-75B	30-21 30-52	APS164-00700 APS164-01501	APS66-10600 APS66-10500	4	APS105-00200 APS105-00200
AIOSE	103 1130 till 103020302	40-75D	30-52D	APS164-03601	APS66-10500	4	APS105-00200
		40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
A185F	All 2	40-75D D-30291-3	30-52D D-30118-5	APS164-03601 APS164-30414	APS66-10500 APS66-10900	4	APS105-00200 APS105-00200
A103F	All	D-30291-3	D-30118-5	APS164-30388	APS66-10900	4	APS105-00200 APS105-00200
		D-30660-2	D-30118-5	APS164-30615-2	APS66-10900	4	APS105-00200
188, 188A, 188B, A188, A188A	188-0001 thru 188010402	40-75B 40-101A	30-52B	APS164-01501	APS66-10500	4	APS105-00200
		40-101A 40-101	30-67 30-67A	APS164-03106 APS164-03006	APS66-10800 APS66-10800	4	APS105-00200 APS105-00200
A188B <b>1</b> , T188C	18801041 thru 188035212 18801041T thru T18803521T2	40-101A	30-67A	APS164-03106	APS66-10800	4	APS105-00200
210-5 (205)	All	40-98A	30-66A	APS164-02707	APS66-1000	4	APS105-00200
210-5 (205) 210-5A (205A)	All	40-67 40-75B	30-35 30-52	APS164-00700 APS164-01501	APS66-10600 APS66-10500	4	APS105-00200 APS105-00200
206,U206,A,B,C,D	206-0001 thru U206-1256	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
U206D <b>1</b> ,E	U2061257 thru U206017002	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
		40-75D 40-75B	30-52N 30-52	APS164-03601 APS164-01501	APS66-10500 APS66-10500	4	APS105-00200 APS105-00200
U206F1	U20601701 thru U206021992	40-75D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
		D-30291-1	D-30118-6	APS164-30388	APS66-10900	4	APS105-00200
	U20602200 thru U206046492	40-75D D-30291-1	30-52N D-30118-6	APS164-03601 APS164-30388	APS66-10500 APS66-10900	4	APS105-00200 APS105-00200
	520002200 tillu 020004049M	D-30660-2	D-30118-6	APS164-30388 APS164-30615-2	APS66-10900	4	APS105-00200 APS105-00200
U206F,G		40-75D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
	U20604650 thru U20607020	D-30660-2	D-30118-6	APS164-30615-2	APS66-10900	4	APS105-00200
20011 700011		D-30660-3	D-30118-4	APS164-30615-3	APS66-10900	4	APS105-00200
206H,T206H	P206-0001 thru P206-0566	40-75B 40-75B	30-52U 30-52	APS164-01501 APS164-01501	APS66-10500 APS66-10500	4	APS105-00200 APS105-00200
P206, P206A,B,C,D <b>1</b> P206D,E <b>1</b>	P206-0001 thru P206-0566	40-75D	30-52N	APS164-01501 APS164-03601	APS66-10500	4	APS105-00200 APS105-00200
207, 207A, T207, T207A	AII 2	40-75B	30-52F	APS164-01501	APS66-10500	4	APS105-00200
207, 207A, 1207, 1207A	All	40-75D	30-52A	APS164-03601	APS66-10500	4	APS105-00200
208, 208A,B	All	40-179	30-163 or 30-182	APS164-222014	APS66-033003 APS66-1530034	8	APS177-003004

Eligibility continued on next page

Partial model eligibility

Must verify wheel or brake assembly P/N

Aircraft with 30-182 calipers installed must use APS66-15300 linings. Aircraft with 30-182 calipers installed may use either APS66-03300 or APS66-15300 linings in complete sets. Caution: Never mix APS66-03300 linings on the same caliper as the APS66-15300's. APS66-15300 linings are .035" thicker than the APS66-03300's.

Complete Brake Kit P/N 208-BRK-KT-1 contains: brake discs, brake linings, pins, bleeder seat, bleeder needle, needle cap and O-ring.





	Continued from previous page								
							Linings per	Rivet or	
rts	Aircraft Model	Serial Number	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Wheel	Pin P/N	
	Cessna 210C	21058086 thru 21058220	40-21	30-45	APS164-00900	APS66-11100	2	APS105-00200	
eel	210D,E,F,G,H,J,K,L <b>1</b>	21058221 thru 210600892	40-75B	30-52 or 30-52V	APS164-01501	APS66-10500	4	APS105-00200	
₹			D-30291-2 40-75B	D-30118-4 30-52 or 30-52V	APS164-30398 APS164-01501	APS66-10900 APS66-10500	4	APS105-00200 APS105-00200	
put	210L1,M,N,R	21060090 thru 210650092	D-30291-2	D-30118-4	APS164-30398	APS66-10900	4	APS105-00200	
			D-30660-3	D-30118-4	APS164-30615-3	APS66-10900	4	APS105-00200	
Brake	P210N,R	All 2	40-75B 40-142	30-52V 30-127C	APS164-01501 APS164-07800	APS66-10500 APS66-06200	4	APS105-00200 APS177-00300	
ш	T210F,G,H,J	All	40-75 or 40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200	
	303, T303	All 2	40-142 40-98H	30-127C 30-66F	APS164-07800 APS164-08406	APS66-06200 APS66-04400	4	APS177-00300 APS177-00300	
	305	All 2	40-75F	30-52L	APS164-01501	APS66-10500	4	APS105-00200	
			40-97E 40-40A	30-63K 30-28B	APS164-02601 APS164-00806	APS66-10500 APS66-03300	6	APS105-00200 APS177-00400	
	310R1	310R0501 thru 310R21402	40-40D	30-28B	APS164-20206	APS66-03300	6	APS177-00400	
	335	All	40-40A	30-28B	APS164-00806	APS66-03300	6	APS177-00400	
	336	3360001 thru 3360098 3360099 and up	40-67 40-75B	30-35 30-52	APS164-00700 APS164-01501	APS66-10600 APS66-10600	4	APS105-00200 APS105-00200	
	337, 337A	All	40-96A	30-61	APS164-02504	APS66-10500	4	APS105-00200	
	337B1,C,D	3370526 thru 337-0619 3370526 thru 3371193	40-96A 40-96A	31-61A 31-61D	APS164-02504 APS164-02504	66-036003 APS66-10500	4	APS105-00200 APS105-00200	
	337E	All	40-98A	30-69B	APS164-02707	APS66-02200	4	APS177-00300	
	340, 340A	340-0001 thru 340A1200 340A1201 thru 340A1817	40-40A	30-28B	APS164-00806	APS66-03300	6	APS177-00400	
	340A <b>1</b> 401 Series	All	40-40D 40-40A	30-28B 30-28B	APS164-20206 APS164-00806	APS66-03300 APS66-03300	6	APS177-00400 APS177-00400	
	402,A,B <b>1</b>	4020001 thru 402C0400	40-135	30-100	APS164-06406	APS66-06600	8	APS177-01600	
	402B,C1	402C0401 thru 402C10202	40-135 40-135A	30-100 30-100	APS164-06406 APS164-20306	APS66-06600 APS66-06600	8	APS177-01600 APS177-01600	
	404	All	40-132	30-97	APS164-09100	APS66-06400	8	APS177-01600	
	411, 411A <b>1</b> 414	All 2	40-40A McCauley	30-28B N/A	APS164-00806 N/A	APS66-03300 APS66-06600	6	APS177-00400 APS177-01600	
	717		40-135	30-100	APS164-06406	APS66-06600	8	APS177-01600	
	4144	414A0001 thru 414A06002	40-40A	30-28B	APS164-00806	APS66-03300	6	APS177-00400	
	414A1	414A0601 thru 414A12122	40-135 40-40A	30-100 30-28B	APS164-06406 APS164-00806	APS66-06600 APS66-03300	8	APS177-01600 APS177-00400	
			40-135A	30-100	APS164-20306	APS66-06600	8	APS177-01600	
	421C1	421C0001 thru 421C0910 421C1001 thru 421C1807	40-135 40-135A	30-100 30-100	APS164-06406 APS164-20306	APS66-06600 APS66-06600	8	APS177-01600 APS177-01600	
	425	All	40-138 or 40-138A	30-113 or 30-113A	APS164-05500	APS66-06400	8	APS177-01600	
	Cirrus Design Group SR-20	1601 and up	40-75P	30-52AB	APS164-01501	APS66-10500	4	APS105-00200	
	SR-22	1740 and up	40-406	30-233B	APS164-02504	APS66-06200	4	APS177-00300	
	Daimler Benz/ M.B.B. B.O. 209 Monsun	All	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200	
	Diamond Aircraft								
	DA20 DA40	All	40-78E 40-14A	30-9D 30-239	APS164-24200 APS164-24400	APS66-10600 APS66-14100	2	APS105-00200 APS105-00200	
	DA42 Twin Star	All	40-75Z	30-52Z	APS164-01501	APS66-10500	4	APS105-00200	
	Eagle Aircraft 220, 300 Eagle	All	40-101	30-89A	APS164-03006	APS66-10800	6	APS105-00200	
	Explorer Aeronautique	All	40-101	[30-69A	AF3104-03000	AF300-10800	0	AF3103-00200	
	Private Explorer Float	All	40-101	30-67B	APS164-03006	APS66-10800	4	APS105-00200	
	FFA Flugzeugwerke AS202-18A4 Bravo	All	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200	
	Found Brothers	Lau	140 750	100.50	1,00164,04504	1,0000 10500			
	100 Centennial GAF Australia	All	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200	
	N22B, N22S	All	40-75T	30-52Q	APS164-08300	APS66-10500	4	APS105-00200	
	N24A	All2	40-75T 40-143	30-52Q 30-129	APS164-08300 164-082004	APS66-10500 APS66-06200	4	APS105-00200 APS177-00300	
	General Aviation (Italy)								
	F.20 Pegaso, F.20TP condor F.22 Pinguino	All	40-75G 40-151	30-52P 30-164	APS164-01501 APS164-08500	APS66-10500 APS66-06200	2	APS105-00200 APS177-00300	
	Great Lakes	All	40-131	30-104	AF3104-06300	AF300-00200		AF3177-00300	
	2T-1A	All	40-113	30-75	APS164-04000	APS66-10500	2	APS105-00200	
	Grob G103, G103C	All	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200	
	G109, G109B	All	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200	
	Grumman AA-1, AA-5	All	40-86A	30-55B	APS164-02000	APS66-10500	2	APS105-00200	
	AA-1A, AA-1B, AA-5A, AA-5B	All	40-88C	30-56B	APS164-02000	APS66-10500	2	APS105-00200	
	700 450, 600	All	40-128C 40-101	30-93A 30-67	APS164-05006 APS164-03006	APS66-02200 APS66-10800	6	APS177-00300 APS105-00200	
	G164	All	40-47	30-32C	APS164-01100	APS66-10600	4	APS105-00200	
	G164A G164B, G164C, G164D	All	40-101 40-133	30-67 30-84	APS164-03006 APS164-05806	APS66-10800 APS66-10800	8	APS105-00200 APS105-00200	
	GA-7	All	40-90	30-84 30-23B	APS164-02201	APS66-06500	2	APS105-00200 APS177-00300	
	Helio		40-7FD				4		
	H 250 H 205 H 204 H 205	AUE	40-75D 40-75E	30-52N 30-52A	APS164-03601 APS164-01501	APS66-10500 APS66-10500	4	APS105-00200 APS105-00200	
	H-250, H-295, H-391, H-395	AII 2	40-75T	30-52N	APS164-08300	APS66-10500	4	APS105-00200	
	Hunting Firecracker A/C		40-98A	30-66A	APS164-02707	APS66-10500	4	APS105-00200	
	NDN1T Turbo Firecracker	All	40-120C	30-83A	N/A	APS66-06200	4	APS177-00300	
	Industria Unidas SA A-9B Sparrow, Quail	All	40-99	30-41	APS164-02800	APS66-10600	4	APS105-00200	
	Partial model eligibility	1	1.0 33	1	1, 11 0 1 0 1 0 2 0 0 0	1. 11 0000 10000		1. 1. 0200 00200	

A-98 Sparrow, Quali | All | Partial model eligibility | Must verify wheel or brake assembly P/N | Dem Hining must be used | OEM disc must be used | Eligibility continued on next page.





FAA-PMA Approved

Continued from previous page							iA Approved
						Linings per	Rivet or
Aircraft Model	Serial Number	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Wheel	Pin P/N
Marsh Aviation G-164C-T Turbo Cat	All	40-133	30-84	APS164-05806	APS66-10800	8	APS105-00200
S2R-T Turbo Thrush	All 2	40-129 or 40-133	30-94	APS164-05606	APS66-10800	8	APS105-00200
Maule Air M4, M5, M6 Series	All	40-97D	30-63E	APS164-02601	APS66-10500	2	APS105-00200
M7, M9 Series	All	40-75D	30-52A or 30-52N	APS164-03601	APS66-10500	4	APS105-00200
Mcculloch	len.	140 700	lan a	1,00151,01700	1,0000 10000		400405 00000
J-2 Helicopter Mooney	All	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200
M10 Cadet	All 2	40-97 or 40-97A	30-63 or 30-63A	APS164-02601	APS66-10500	2	APS105-00200
M20A,B <b>1</b> M20C <b>1</b>	1401 thru 3466 670001 thru 690098	40-24 40-86	30-5 30-56A	APS164-00900 APS164-02000	APS66-11100 APS66-10500	N/A 2	APS105-00200 APS105-00200
M20D	All	40-24	30-50A	APS164-00900	APS66-11100	N/A	APS105-00200
M20E1	101 thru 1308	40-24	30-5	APS164-00900	APS66-11100	N/A	APS105-00200
M20F1	670001 thru 700061 660003 thru 700072	40-86 40-86	30-56A 30-56A	APS164-02000 APS164-02000	APS66-10500 APS66-10500	2	APS105-00200 APS105-00200
M20G,J,K	All	40-86	30-56A	APS164-02000	APS66-10500	2	APS105-00200
M20M	All	40-92A	30-65	APS164-02300	APS66-10500	4	APS105-00200
NDN Aircraft NDN6 Fieldmaster	All	40-175	30-149	164-211004	APS66-06600	12	APS177-01600
Pacific Aerospace	730		50 213	101 21100	711 000 00000		74 5177 51555
FU24-954; FU24A-954	240, 247 and up	40-47	30-32C	APS164-01100	APS66-10600	4	APS105-00200
08-600 Cresco Partenavia	All	40-101	30-89	APS164-03006	APS66-10800	6	APS105-00200
P.64B, P.66B	All	40-28	30-18	APS164-00500	APS66-10600	2	APS105-00200
P.66C-160, P.66T P.68, P.68B, P.68C, P.68C-TC	All	40-86B 40-142	30-55 30-127	APS164-02000 APS164-07800	APS66-10500 APS66-06200	4	APS105-00200 APS177-00300
Partenavia							
Series 300	All	40-163	30-139	APS164-20500	APS66-06200	8	APS177-00300
Performance Aircraft Legend	All	40-96E	30-61E	APS164-02504	APS66-10500	4	APS105-00200
Pilatus Britten-Norman							
		40-90F 40-90	30-23D 30-23A	APS164-01506 APS164-02201	APS66-06500 APS66-06500	2	APS177-00300 APS177-00300
BN-2 Series	AII2	40-90B	30-23C	APS164-02201	APS66-06500	2	APS177-00300 APS177-00300
		40-98F	30-66D	APS164-02706	APS66-02200	4	APS177-00300
Pilatus Britten-Norman Defender 4000	All	40-128E	30-93E	164-233004	APS66-04400	6	APS177-00300
Piper	7311	10 1202	190 395	101 25500	711 300 01100		74 5177 00500
J-3, PA-11, PA-12, PA-14, PA-16	All	40-60	30-60 30-60	APS164-06700 APS164-06700	APS66-10600 APS66-10600	4	APS105-00200
PA-18	All2	40-60 40-84	30-41	APS164-06700 APS164-01900	APS66-10600	4	APS105-00200 APS105-00200
PA-18-150, PA-18A-150	All	40-60	30-60	APS164-06700	APS66-10600	4	APS105-00200
PA-20	All2	40-60 40-84	30-60 30-41	APS164-06700 APS164-01900	APS66-10600 APS66-10600	4	APS105-00200 APS105-00200
PA-22	All	40-84	30-41	APS164-01900	APS66-10600	4	APS105-00200
PA-22-108	All	40-28 40-3	30-18 30-13	APS164-00500	APS66-10600	2	APS105-00200
PA-23-150, 160 PA-23-235	All	40-4	30-8	159-002004 APS164-00206	APS66-10600 APS66-10600	8	APS105-00200 APS105-00200
	27-3738 thru 27-7554	40-116	30-72	APS164-03206	APS66-06500	4	APS177-00300
PA-E23-2501	and 27-7554139 27-7554141 thru 27-7554149						
	and 27-7554138	40-116 or 40-131	30-96	APS164-05700	APS66-06200	8	APS177-00300
PA-24-180,250,260	24-1 thru 24-3306	40-5 40-58	30-12 30-41	159-001004 APS164-00900	APS66-10600 APS66-10600	4	APS105-00200 APS105-00200
PA-24-180,230,260	24-3307 and On 2	40-84	30-41B	APS164-00900 APS164-01900	APS66-10600	4	APS105-00200 APS105-00200
	25-1 thru 25-1999	40-5	30-12	159-001004	APS66-10600	4	APS105-00200
PA-25, PA-25-235	25-2000 thru 25-4171 25-4172 and on	40-61 40-84A	30-41 30-41B	APS164-01300 APS164-03300	APS66-10600 APS66-10600	4	APS105-00200 APS105-00200
PA-28-140	28-20002 thru 28-20520	40-28	30-18	APS164-00500	APS66-10600	2	APS105-00200
PA-28-150	28-20521 thru 28-7725290 28-1 thru 28-1760	40-86 40-28	30-55 30-18	APS164-02000 APS164-00500	APS66-10500 APS66-10600	2	APS105-00200 APS105-00200
PA-28-151	All	40-86B	30-55	APS164-02000	APS66-10500	2	APS105-00200 APS105-00200
PA-28-160	28-1761 thru 28-4377	40-86	30-55	APS164-02000	APS66-10500	2	APS105-00200
PA-28-161	All 28-1 thru 28-1760	40-86B 40-28	30-55 30-18	APS164-02000 APS164-00500	APS66-10500 APS66-10600	2	APS105-00200 APS105-00200
PA-28-180 <b>1</b>	28-1761 thru 28-5869	40-86	30-55	APS164-02000	APS66-10500	2	APS105-00200
	28-7105001 thru 28-7505260	40-86 40-84	30-55 30-41	APS164-02000 APS164-01900	APS66-10500 APS66-10600	2	APS105-00200 APS105-00200
PA-28R-180	AII 2	40-86	30-55	APS164-01900 APS164-02000	APS66-10500	2	APS105-00200 APS105-00200
PA-28-181	All	40-86B	30-55	APS164-02000	APS66-10500	2	APS105-00200
PA-28R-200 <b>1</b>	28R-35001 thru 28R-7135109 28R-7135110 thru 28R-7635545	40-84 40-86 or 40-86B	30-41 30-55	APS164-01900 APS164-02000	APS66-10600 APS66-10500	2	APS105-00200 APS105-00200
PA-28-201T, PA-28R-201	All	40-86B	30-55	APS164-02000	APS66-10500	2	APS105-00200
PA-28R-201T, PA-28RT-201 PA-28-235	All 28-7410001 thru 28-7710089	40-86B 40-86	30-55 30-55	APS164-02000 APS164-02000	APS66-10500 APS66-10500	2	APS105-00200
		40-86B	30-55	APS164-02000 APS164-02000	APS66-10500	2	APS105-00200 APS105-00200
PA-28-236	All 2	40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
PA-30	30-2 - 30-845 30-846 thru 30-2000	40-34 40-90	30-23 30-23	APS164-01000 APS164-02201	APS66-065003 APS66-062003	2	APS177-00300
PA-31-300,310 <b>1</b>	31-5 thru 31-7300962	40-102	30-68	APS164-03506	APS66-03300	6	APS177-00400
PA-31-325	All	40-102A	30-68A	APS164-04406	APS66-03300	6	APS177-00400
PA-31-350 <b>1</b>	31-5001 thru 31-8452021	40-102A 40-130	30-68A 30-95A	APS164-04406 APS164-07906	APS66-03300 APS66-06600	6 8	APS177-00400 APS177-01600
PA-31-350 <b>1</b> (T-1020)	Heavy Duty Option	40-141	30-123	APS164-07700	APS66-06800	12	APS177-01600
PA-31T1,2,3 (T-1020)	31-8253001 thru 31-8453021 All	40-130 40-106	30-95A 30-106	APS164-07906 APS164-03906	APS66-06600 APS66-06800	8 16	APS177-01600 APS177-01600
Partial model eligibility	[730]	1.00 100	120 100	1/11 2104-03300	1/11 2000 000000	1 10	1,11 21/7 01000

PA-3111, Z, 3 (1-1020) | PAII | 140-106 | PAII | PAIII | PAII | PAIII | PAIII





Continued from previous page							
						Linings per	Rivet or
Aircraft Model	Serial Number	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	Wheel	Pin P/N
Piper							
	Heavy Duty Option	40-120	30-63	AOS164-21600	APS66-06200	4	APS177-00300
PA-32-260	32-1 thru 32-7300076	40-90 40-90	30-65 30-65	APS164-02201 APS164-02201	APS66-10500 APS66-10500	4	APS105-00200 APS105-00200
	32-7400001 thru 32-78000082	40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
	Heavy Duty Option	40-120	30-83	APS164-21600	APS66-06200	4	APS177-00300
PA-32-300	32-40000 thru 32-7440000	40-90	30-65	APS164-02201	APS66-10500	4	APS105-00200
5 7 7 32 300	32-7440001 thru 32-79402902	40-90	30-65	APS164-02201	APS66-10500	4	APS105-00200
<u> </u>	Heavy Duty Option	40-90A 40-120	30-65 30-83	APS164-02300 APS164-21600	APS66-10500 APS66-06200	4	APS105-00200 APS177-00300
PA-32R-300, PA-32RT-300	All	40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
PA-32RT-300T	Heavy Duty Option	40-120	30-83	APS164-21600	APS66-06200	4	APS177-00300
PA-32R1-3001	32R-7887002 thru 32R-7987126	40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
PA-32-301, PA-32-301T	Heavy Duty Option	40-120C	30-83A	APS164-21600	APS66-06200	4	APS177-00300
	All Heavy Duty Option	40-90A 40-120	30-65 30-83	APS164-02300 APS164-21600	APS66-10500 APS66-06200	4	APS105-00200 APS177-00300
	34-7250001 thru 34-7350353	40-90	30-65	APS164-02201	APS66-10500	4	APS105-00200
PA-34-200		40-90	30-65	APS164-02201	APS66-10500	4	APS105-00200
	34-7450001 thru 34-74502202	40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
PA-34-200T	Heavy Duty Option	40-120	30-83	APS164-21600	APS66-06200	4	APS177-00300
	All Heavy Duty Option	40-90A 40-120	30-65 30-83A	APS164-02300 APS164-21600	APS66-10500 APS66-06200	4	APS105-00200 APS177-00300
PA-34-220T	All	40-120 40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
PA-36-285, PA-36-300, PA-36-375	All	40-101	30-67B	APS164-03006	APS66-10800	4	APS105-00200
	All 2	40-78B	30-9B	APS164-01700	APS66-10600	2	APS105-00200
PA-38-112	All 2	40-59D	30-53A	APS164-06900	APS66-11200	2	APS105-00200
PA-39	All	40-90	30-23	APS164-02201	APS66-065003	2	APS177-00300
	Heavy Duty Option	40-120	30-83	APS164-21600	APS66-06200 APS66-06200	4	APS177-00300
PA-44-180	All	40-90A	30-65	APS164-02300	APS66-10500	4	APS105-00200
PA-44-180T	All	40-120	30-83	APS164-21600	APS66-06200	4	APS177-00300
PA-46-310P, 350P	All	40-120C	30-83A	APS164-21600	APS66-06200	4	APS177-00300
PA-60-600,601,601P,700P	All	40-124	30-88	APS164-05006	APS66-02200	8	APS177-00300
Pitts A-1	All	40-60	30-60	APS164-06700	APS66-10600	4	APS105-00200
S-1S,2	All	40-79B	30-9	APS164-01700	APS66-10600	2	APS105-00200
Quest Aircraft Design							
Kodiak 100	All	40-179	30-182	APS164-22201	APS66-033005 APS66-153005	8	APS177-00300
Revo Inc (formerly Lake)	All			ADC164 A1624D			
LA-4 series, LA-4-200 SAAB-Scania	All			APS164-A1634B			
MF1-15, MF1-17	All	40-97D	30-63D	APS164-02601	APS66-10500	2	APS105-00200
Sadler Aircraft		<u> </u>					
A-22 Lasa, 18-1000PV	All	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200
Schleicher ASW21, 20, 22, 23 Sailplane	All	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200
Shaefer Aircraft mods		1.0 1.02	1000				
PA-31-350 Comanchero 500	All	40-195	30-158	APS164-21900	APS66-06800	12	APS177-01600
PA-31T Comanchero 750	All	40-106	30-106	APS164-03906	APS66-06800	16	APS177-01600
SIAI Marchetti SF.205	All	40-97E	30-63M	APS164-02601	APS66-10500	2	APS105-00200
SF.260, SF.260C	All	40-37	30-13	159-002004	APS66-10500	4	APS105-00200
SF.260SW	All	40-90A	30-65A	APS164-02300	APS66-10500	4	APS105-00200
Slingsby Aviation	Len	140.000	lao 55	Innover	Langes 4:		1,00,05
T67M	All	40-86B	30-55	APS164-02000	APS66-10500	2	APS105-00200
Stinson 108, 108-1,2,3,5	108-1 and up	40-28	30-18	APS164-00500	APS66-10600	2	APS105-00200
Stol Aircraft		1.5 25	122.20	, 510. 00500	555 10000		5255 00200
UC-1	All	40-74	30-51A	APS164-00700	APS66-10600	4	APS105-00200
Taylorcraft	Tall	40.00	22.55	ADC164 02000	ADCCC 10500		ADCIOE COSCO
F-19, F-21, F-21A ,F-22 Univair	All	40-86	32-55	APS164-02000	APS66-10500	2	APS105-00200
A-2, A-2A	All	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
Varga							
2150A, 2180	VAC-50 and up	40-97E	30-63E	APS164-02601	APS66-10500	2	APS105-00200
Waco Meteor, Minerva, Vela	All	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
Weatherly Aviation	IVII	TU-2/H	JU-03A	AF3104-02001	LVL200-10200		N. 3103-00200
201A, 201B, 201C	All	40-101	30-67D	APS164-03006	APS66-10800	4	APS105-00200
620, 620TP	1501 thru 1519	40-101	30-67D	APS164-03006	APS66-10800	4	APS105-00200
620A	1520 thru 1584	40-101	30-67D	APS164-03006	APS66-10800	4	APS105-00200
	1550 and up	40-101 40-101	30-89B	APS164-03006 APS164-03006	APS66-10800 APS66-10800	6	APS105-00200 APS105-00200
620B	1520 and up	40-101 or 40-101E		APS164-03006	APS66-10800	6	APS105-00200
620TP	1520 thru 1584	40-101		APS164-03006	APS66-10800	6	APS105-00200
Wing Aircraft							
D-1	2 and up	40-84		APS164-01900	APS66-10600	4	APS105-00200

D-1 2 and up 40-84 APS164-01900 APS66-10600 4

Must verify wheel or brake assembly P/N

Use P/N APS66-06200 on the back plate and P/N APS66-06500 on the pressure plate.

Aircraft with 30-182 calipers installed may use either APS66-03300 or APS66-15300 linings in complete sets. Caution: Never mix APS66-03300 linings on the same caliper as the APS66-15300's. APS66-15300 linings are .035" thicker than the APS66-03300's.



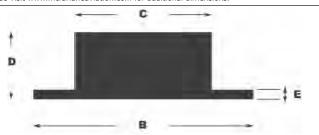
FAA-PMA Approved

#### APS BlackSteel® Brake Disc Dimensions

		С	D			
				Thickness		
	OD	OD	Overall	Wear	Number	OFM Brake
Brake Disc P/N	Wear	Base	Height	Surface		Manufacturer
APS164-00206	7.31	5.52	1.50	.683	3 (1/4")	Cleveland
APS164-00300	7.50	5.49	2.16	.231	3 (5/16")	Cleveland
APS164-00400	6.36	4.51	1.71	.191	3 (1/4")	Cleveland
APS164-00500	7.30	5.52	1.97	.182	3 (1/4")	Cleveland
APS164-00700	7.30	5.53	2.25	.372	3 (1/4")	Cleveland
APS164-00806	11.63	9.52	2.42	.361	9 (1/4")	Cleveland
APS164-00900	7.30	5.52	2.03	.253	3 (1/4")	Cleveland
APS164-01000	7.50	5.53	2.10	.370	6 (1/4")	Cleveland
APS164-01100	7.50	5.53	2.17	.373	6 (5/16")	Cleveland
APS164-01300	7.31	5.53	2.29	.256	3 (1/4")	Cleveland
APS164-01406	11.63	9.34	2.32	.362	9 (1/4")	Cleveland
APS164-01501	7.49	5.49	2.34	.368	3 (5/16")	Cleveland
APS164-01506	7.50	5.48	2.37	.374	3 (5/16")	Cleveland
APS164-01600	7.31	5.48	2.18	.184	3 (5/16")	Cleveland
APS164-01700	6.36	4.47	2.06	.183	3 (1/4")	Cleveland
APS164-01900	7.30	5.49	2.09	.254	3 (5/16")	Cleveland
APS164-02000	7.49	5.49	2.16	.228	3 (5/16")	Cleveland
APS164-02201	7.49	5.49	2.25	.372	3 (5/16")	Cleveland
APS164-02300	7.49	5.49	2.25	.372	3 (5/16")	Cleveland
APS164-02504	7.49	5.49	2.36	.478	3 (5/16")	Cleveland
APS164-02505	7.49	5.60	2.47	.480	3 (5/16")	Cleveland
APS164-02601	7.59	5.50	2.22	.230	3 (5/16")	Cleveland
APS164-02706	9.62	7.37	2.42	.366	6 (5/16")	Cleveland
APS164-02707	9.62	7.35	2.53	.380	6 (21/64")	Cleveland
APS164-02800	7.31	5.53	2.03	.260	6 (1/4")	Cleveland
APS164-03006	11.62	9.35	2.49	.304	9 (1/4")	Cleveland
APS164-03106	11.63	9.35	2.50	.190	9 (1/4")	Cleveland
APS164-03206	7.50	5.20	1.50	.690	3 (1/4")	Cleveland
APS164-03300	7.313	5.50	2.38	.257	3 (5/16")	Cleveland
APS164-03506	11.63	9.34	4.22	.290	9 (1/4")	Cleveland
APS164-03601	7.49	5.49	2.62	.368	3 (5/16")	Cleveland
APS164-03906	11.81	9.34	2.46	.645	9 (5/16")	Cleveland
APS164-04000	7.49	5.49	2.18	.228	3 (1/4")	Cleveland
APS164-04406	11.63	9.36	2.43	.380	9 (9/32")	Cleveland
APS164-05500	11.853	9.35	2.41	.525	9 (21/64)	Cleveland
APS164-05806	11.62	9.35	2.72	.429	9 (5/16")	Cleveland
APS164-06106	9.62	7.49	2.65	.515	6 (3/8")	Cleveland
APS164-06700	7.35	5.48	2.38	.253	6 (1/4")	Cleveland
APS164-07200	11.81	8.28	2.66	.533	8 (23/64")	Cleveland

	В	С	D	Е	F	
				Thickness		
	OD	OD	Overall	Wear	Number	OEM Brake
Brake Disc P/N	Wear	Base	Height	Surface	Bolt Holes	Manufacturer
APS164-07700	11.90	9.35	2.41	.520	9 (5/16")	Cleveland
APS164-07800	7.50	5.50	2.36	.484	6 (21/64")	Cleveland
APS164-07906	11.63	9.36	2.58	.500	9 (1/4")	Cleveland
APS164-08300	7.49	5.49	2.62	.371	6 (5/16")	Cleveland
APS164-08500	6.38	4.48	2.23	.371	3 (1/4")	Cleveland
APS164-09100	11.85	9.35	2.53	.535	9 (21/64")	Cleveland
APS164-20306	11.63	9.34	2.50	.504	9 (5/16")	Cleveland
APS164-21600	7.50	5.48	2.24	.431	6 (5/16")	Cleveland
APS164-22000	11.85	8.00	2.55	.417	6 (3/8")	
APS164-22202	11.62	9.34	2.78	.567	9 (21/64")	Cleveland
APS164-22400	13.90	10.02	3.50	.430	9 (3/8")	Cleveland
APS164-24200	6.38	4.50	2.16	.190	3 (1/4")	Cleveland
APS164-24400	7.53	5.48	2.26	.320	3 (5/16")	Cleveland
APS164-24500	7.50	5.50	2.44	.371	6 (5/16")	Cleveland
APS164-30007	7.49	5.49	1.97	.221	6 (1/4")	McCauley
APS164-30195	7.50	5.49	2.07	.225	6 (5/16")	McCauley
APS164-30388	7.50	5.49	2.34	.355	6 (5/16")	McCauley
APS164-30398	7.50	5.49	2.10	.355		McCauley
APS164-30414	7.50	5.49	2.16	.355		McCauley
APS164-30440	7.50	5.49	1.97	.215	6 (5/16")	McCauley
APS164-30615-2	7.50	5.50	1.52	.215	3 (5/16")	McCauley
APS164-30615-3	7.50	5.50	1.89	.355	3 (5/16")	McCauley
APS164-30615-4	7.50	5.50	1.66	.355	3 (5/16")	McCauley

This is not a complete list of all brake discs offered. Please visit www.mcfarlaneaviation.com for additional dimensions.



					Linings	
						Rivet or
P/N	Assy P/N	Assy P/N	Disc P/N	Lining P/N	writeer	Pin P/N
100 100	40.064	20 565	ADC464 02000	ABCCC 10E00		ADC105 00200
199-188	40-86A	30-56F	APS164-02000	APS66-10500		APS105-00200
100 1050	40 4427	20. 754	ADC464 04000	ABCCC 10F00		ADCHOE OCCOO
199-105C	40-113X	30-75X	APS164-04000	APS66-10500		APS105-00200
1400 604	140.22	120.004	ADC4C4 OFOOC	ABCCC 10000	12	ADCTOF 00200
199-68A	40-33	30-98A	APS164-05806	APS66-10800	12	APS105-00200
1400 405	10.1100	loo 250	1400464 04000	1.0000 1.000		1.001.05.00000
				APS66-10500		APS105-00200
						APS177-01600
199-141	40-21101	30-170	APS164-22400	APS66-10000	8	APS177-01600
100 40	40.00	20.54	ADC464 02504	ADCCC 10500		ADC 105 00363
199-49	40-83	30-54	APS164-02504	APS66-10500	4	APS105-00200
					_	
100 50	40.00	20.66	10010102700	ADCCC 04400		400477 00200
199-50	40-98	30-66	APS164-02/06	APS66-04400	4	APS177-00300
100.00	40 1244	20.00	ADC164 06306	ADCCC OCCOO	0	APS177-00300
199-88	40-134A	30-99	APS164-06306	APS00-00000	8	APS177-00300
199-38	40-128D	30-93C	APS164-06106	APS66-09700	6	APS177-00300
100-73	40-129	30-03	ADC164-06106	ABS66-04400	6	APS177-00300
				AF300-04400		APS177-00300 APS177-01600
						APS177-01600
					- 6	
199-110	40-289	30-146	APS164-21000	APS66-09100	2	N/A
199-46	40-97Δ	30-63A	APS164-02601	APS66-10500	2	APS105-00200
					+	APS105-00200
						APS105-00200
						APS105-00200
						APS105-00200
						APS105-00200
						APS105-00200
						APS105-00200
						APS105-00200
	1.0 5771					
199-60	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
199-60 199-62	40-75B 40-75D	30-52 30-52N	APS164-01501 APS164-03601	APS66-10500 APS66-10500	4	APS105-00200 APS105-00200
	Cleveland Kit P/N  199-188  199-105C  199-68A  199-125 199-127 199-141  199-49  199-50  199-88 199-38 199-73 199-123 199-90  199-110  199-46 199-84 199-46 199-84 199-46 199-84 199-84 199-84 199-84 199-84	P/N         Assy P/N           199-188         40-86A           199-105C         40-113X           199-68A         40-33           199-125         40-113C           199-127         40-170           199-141         40-21101           199-49         40-83           199-50         40-98           199-88         40-134A           199-38         40-128D           199-123         40-128           199-100         40-170A           199-90         40-170A           199-46         40-97A           199-84         40-113           199-46         40-97A           199-46         40-97A           199-46         40-97A           199-46         40-97A           199-46         40-97A           199-84         40-113           199-84         40-113           199-84         40-113           199-84         40-113           199-84         40-113           199-84         40-113           199-84         40-113           199-84         40-113           199-846         40-97A	P/N         Assy P/N         Assy P/N           199-188         40-86A         30-56F           199-105C         40-113X         30-75X           199-68A         40-33         30-98A           199-125         40-113C         30-75B           199-127         40-170         30-144B           199-141         40-21101         30-170           199-49         40-83         30-54           199-50         40-98         30-66           199-88         40-134A         30-99           199-38         40-128D         30-93C           199-73         40-128         30-93           199-123         40-170B         30-144A           199-90         40-170A         30-144           199-90         40-170A         30-144           199-46         40-97A         30-63A           199-84         40-113         30-75           199-46         40-97A         30-63A           199-84         40-113         30-75A           199-84         40-113         30-75           199-84         40-113         30-75           199-84         40-113         30-75           199-84	P/N         Assy P/N         Assy P/N         Disc P/N           199-188         40-86A         30-56F         APS164-02000           199-105C         40-113X         30-75X         APS164-04000           199-68A         40-33         30-98A         APS164-05806           199-125         40-113C         30-75B         APS164-04300           199-127         40-170         30-144B         APS164-20900           199-141         40-21101         30-170         APS164-22400           199-49         40-83         30-54         APS164-02504           199-50         40-98         30-66         APS164-02706           199-88         40-134A         30-99         APS164-06306           199-38         40-128         30-93C         APS164-06106           199-73         40-128         30-93         APS164-06106           199-123         40-170B         30-144A         APS164-22900           199-90         40-170A         30-144         APS164-22900           199-10         40-289         30-146         APS164-2000           199-84         40-113         30-75         APS164-02601           199-846         40-97A         30-63A         APS164-02	P/N	Cleveland Kit   Wheel   Assy P/N   Brake   Assy P/N   Disc P/N   Lining P/N   Wheel

40-113

40-97A

40-75D 40-751

40-75B

30-75

30-63A

30-52N 30-52Y

30-52

199-84

199-46

199-62 199-155

199-60

Brake Disc, Lining, and Rivet Eligibility for Aircraft with Cleveland Conversion Kits Installed (Includes Experimental Aircraft)

APS105-00200

APS105-00200

APS105-00200 APS105-00200

APS105-00200

Eligibility continued on next page.

182, A182J,K,L,N, F182P,Q 182, 182A,B,C,D,E,F,G

185, 185A,B,E

APS164-04000

APS164-02601

APS164-03601 APS164-03601

APS164-01501

APS66-10500

APS66-10500

APS66-10500

APS66-10500





Continued from previous page				,		_ ~	minim pulsets system, in:
						Linings	
Aircraft Model	Cleveland Kit P/N	Wheel Assy P/N	Brake Assy P/N	Brake Disc P/N	Lining P/N	per Wheel	Rivet or Pin P/N
A RICCIAIT MODE!	KILTZIV	7133y 1 714	7133y 1714	D1301714	Liming 1714	Wilcei	11
	199-60	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
A185E,F11 190, 195, 195A,B U206E,F, TU206E,F	199-155 199-62	40-75J 40-75D	30-52Y 30-52N	APS164-03601 APS164-03601	APS66-10500 APS66-10500	4	APS105-00200 APS105-00200
190, 195, 195A,B	199-61	40-40C	30-28C	APS164-00806	APS66-03300	6	APS177-00400
U206E,F, TU206E,F	199-60	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
	199-155	40-753	30-52Y	APS164-03601	APS66-10500	4	APS105-00200
TU206E,F, TU206E,F	199-62A 199-155	40-75T 40-75J	30-52N 30-52Y	APS164-08300 APS164-03601	APS66-10500 APS66-10500	4	APS105-00200 APS105-00200
U206E,F, TU206E,F	199-62	40-75D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
210,A,B,C,K,L,M, T210,K,L,M,N	199-60	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
P210N <b>E</b> 310,310A,B,C,D,E,F,G,H,I,J,K,L,N,P,Q,R 310J-1, E310H,J, T310P,Q,R	199-60A 199-64	40-75B 40-40B	30-52U 30-1	APS164-01501 APS164-01406	APS66-10500 APS66-03300	2	APS105-00200 APS177-00400
340, 340A	199-76	40-135A	30-100	APS164-20306	APS66-06600	8	APS177-01600
340, 340A	199-72	N/A	30-100	APS164-06406	APS66-06600	8	APS177-01600
401,401A,B, 402,402A,B	199-76 199-72	40-135A N/A	30-100 30-100	APS164-20306 APS164-06406	APS66-06600 APS66-06600	8	APS177-01600 APS177-01600
402,402A,B,C	199-76	40-135A	30-100	APS164-20306	APS66-06600	8	APS177-01600
404	199-78	40-132	30-97	APS164-09100	APS66-06400	8	APS177-01600
411,411A, 414	199-72	N/A	30-100	APS164-06406	APS66-06600	8	APS177-01600
414,414A, 421,421A,B,C 441	199-76 199-115	40-135A 40-169	30-100 30-143	APS164-20306 APS164-20700	APS66-06600 APS066-07300	8	APS177-01600 APS177-01600
D.L.F. Holdings	133 113	10 203	50 115	711 0 2 0 7 2 0 7 0 0	711 5555 67555		711 5177 61666
Tango	199-152	40-151	30-133	164-099002	APS66-10500	2	APS105-00200
De Havilland Chipmunk DHC-1-21,22,22A, DHC-1B,-2, -S3,-S5	199-79	40-97D	30-63P	APS164-02601	APS66-10500	2	APS105-00200
Beaver DHC-2 MK 1,2,3	199-79	40-970	30-63P	APS164-02601 APS164-06306	APS66-06600	8	APS105-00200 APS177-01600
Twin Otter DHC-6-1,100,200,300	199-92	40-21101	30-170	APS164-22400	APS66-10000	8	APS177-01600
Ercoupe	1400.50	140.44	100.00	100151 00000	1,0000 1,0000		1400405 00000
415-C, CD, D, E, F-1, F-1A5, G Explorer Aeronautique	199-69	40-41	30-30	APS164-00300	APS66-10500	2	APS105-00200
Private Explorer Std	199-62	40-75D	30-52N	APS164-03601	APS66-10500	4	APS105-00200
Private Explorer Float	N/A	40-101	30-67B	APS164-03006	APS66-10800	4	APS105-00200
Express Aircraft	199-60	40.7EB	20 52	APS164-01501	ADCCC 10500		APS105-00200
Express 2000/2000RG Four Winds Aircraft	199-60	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
192/210/250T	199-60	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
Globe Swift	100.40	140 1426	20. 700	ADC164 04200	ADCCC 10500		ARCHOE OCCO
GC1A, GC1B Gulfstream Aerospace	199-48	40-113C	30-79B	APS164-04300	APS66-10500	2	APS105-00200
500,A,B,S,U	199-122	40-198	30-159B	APS164-22000		8	APS177-01600
500,A,B,S,U	199-122A	40-198	30-159C	APS164-22000		8	APS177-01600
560F,680F, FL.FLP,T,V,W,681, 685, 690, 690A,B,C,D, 695,A,B Hensely Aircraft	199-80	40-107A	30-107E	APS164-07200		8	APS177-01600
F-19 Wolf Aerobatic	199-46	40-97A	30-63A	APS164-02601	APS66-10500	2	APS105-00200
F-19 Wolf Utility	199-62	40-75B	30-52	APS164-01501	APS66-10500	4	APS105-00200
Lancair IV High Energy, Energy Upgrade	199-224, 224A	40-406	30-233	APS164-02504	APS66-06200	4	APS177-00300
IV Standard	199-208	40-963	30-61E	APS164-02504	APS66-10500	4	APS105-00200
Legacy FG/RG	199-152	40-151	30-133	164-099002	APS66-10500	2	APS105-00200
Murphy Manufacturing	100.71	40-60A	20.604	ADC164 06700	ADCCC 10000		ADC105 00200
Rebel Navion	199-71	40-60A	30-60A	APS164-06700	APS66-10600	4	APS105-00200
A,B,D,E,F,G,H	199-52/199-52	A 40-98D	30-66B	APS164-02707	APS66-11000	4	APS105-00200
Piper							
J3, PA-11,12,13,14,15,16,17,18,20	199-71A 199-71	40-97D 40-60	30-60A 30-60A	APS164-02601 APS164-06700	APS66-10600 APS66-10600	4	APS105-00200 APS105-00200
DA 10A 1F0	199-71A	40-97D	30-60A	APS164-02601	APS66-10600	4	APS105-00200
PA-18A-150	199-71	40-60	30-60A	APS164-06700	APS66-10600	4	APS105-00200
PA-31, -300,325,350 PA-31-310,325,350	199-100 199-66	40-162 N/A	30-138 30-95A	APS164-07700 APS164-07906	APS66-06800 APS66-06600	12 8	APS177-01600 APS177-01600
PA-31-310,325,350 PA-31P (425 HP), PA31-350	199-83	40-141	30-95A 30-123	APS164-07700	APS66-06800	12	APS177-01600 APS177-01600
PA-31-3504	199-119	40-198	30-158	APS164-21900	APS66-06800	12	APS177-01600
PA-31T, PA-3T1	199-89	40-106	30-106	APS164-03906	APS66-06800	16	APS177-01600
PA-31T2 PA-42, PA-42-720	199-111 199-112	40-167 40-166	30-142 30-141	APS164-20600 APS164-07400	APS066-07300 APS066-07300	8	APS177-01600 APS177-01600
Pitts	133 112	10 100	30 111	74 3101 07 100	741 3000 07300		74 3177 01000
Pitts Special	199-103	40-78J	30-9C	APS164-01700	APS66-10600	2	APS105-00200
S1-S	199-102	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200
RANS S-16	199-102	40-78B	30-9	APS164-01700	APS66-10600	2	APS105-00200
S-7C	199-104	40-59A	30-59A	APS164-07500B	APS66-11200	2	APS105-00200
Skystar Aircraft	100 245	40.201	20.224	164 00 100=	ADCCC 10500		INI/A
Kit Fox Pulsar	199-215 199-102	40-281 40-78B	30-224 30-9	164-23400 <b>2</b> N/A	APS66-10500 APS66-10600	2	N/A APS105-00200
Steen Aero Lab		1.0 , 00	100 0	1.47.	, 555 10000		1
Skybolt	199-104	40-59A	30-59A	APS164-075003	APS66-11200	2	APS105-00200
Swift	199-105	40-113X	30-75X	APS164-04000	APS66-10500	2	APS105-00200
GC-1A, GC-1B	199-98	40-113C	30-79B	APS164-04300	APS66-10500	2	APS105-00200
Univair							
108 Series	188-87	40-97D	30-63Q	APS164-02601	APS66-10500	2	APS105-00200
Van's Aircraft RV-3, RV-9	199-102	40-75B	30-9	APS164-01700	APS66-10600	2	APS105-00200
RV-10	199-104	40-59A	30-59A	APS164-075003	APS66-11200	2	APS105-00200
eo Arr	1100 5-	140 ===	100.55	Innoven a service	I annes :		Language control
SE/XL  Partial model eligibility	199-60	40-75B	30-52	APS164-01501	APS66-10600	4	APS105-00200

SE/XL : 1. 

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