

MODEL: FDA-0100A-EPA



Single cylinder brake caliper diameter 38mm.  
The kit can be used with 5" wheels.

**DESCRIPTION:**

**APPLICATION:**

**DISC:**

**PISTON:**

**MATERIAL:**

**HEAT TREATMENTS:**

**PERFORMANCE:**

0 - 115 Hp / 450 - 800 Kg (MTOW)

Spheroidal cast iron 180 mm

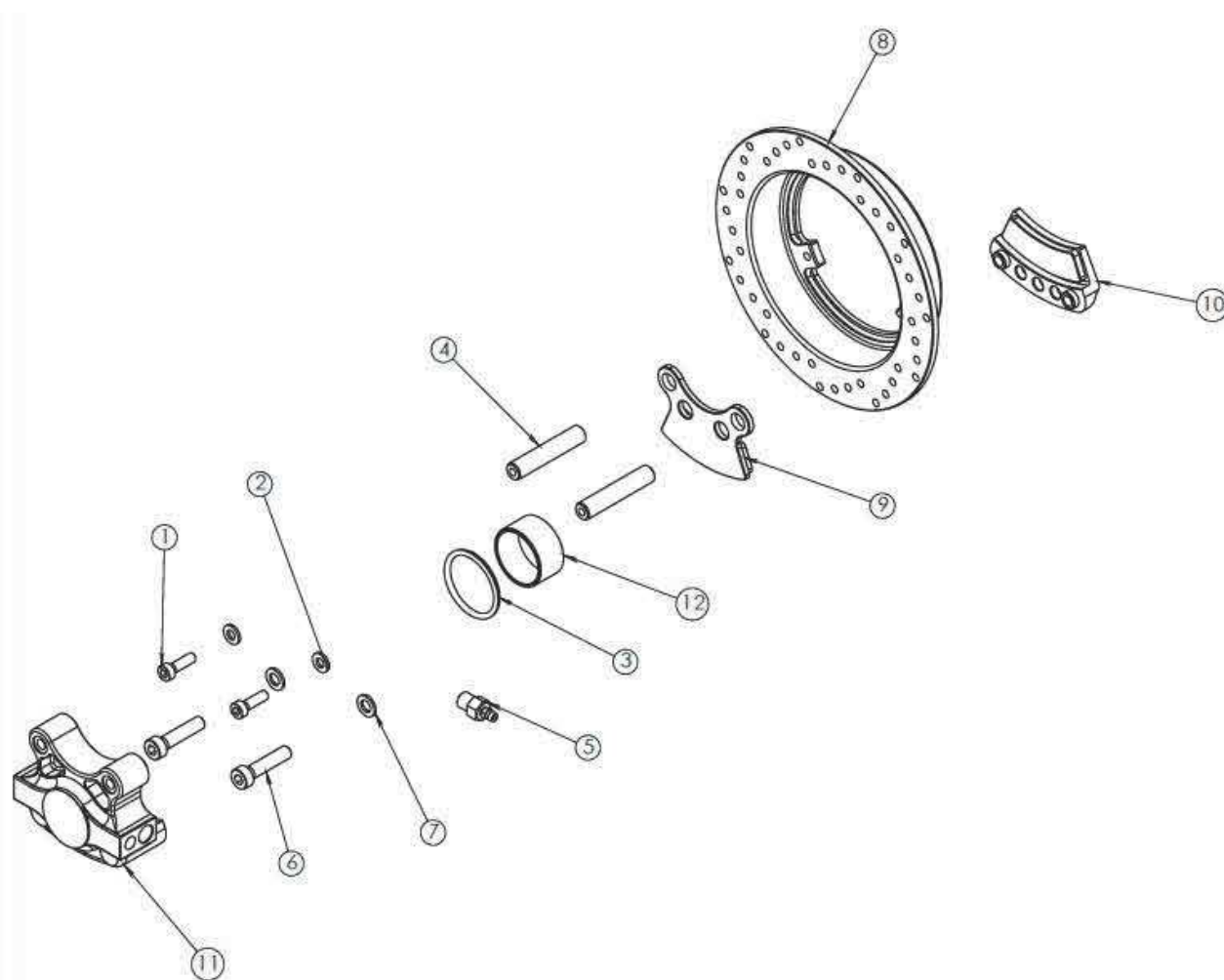
38 mm

ERGAL 55 (7075), ANTICORODAL 6082, INOX

Anodization

STC EASA APPROVED ON EVEKTOR AIRCRAFT

FROM TOUCH DOWN TO FULL STOP IN LESS THAN 115 mts.



(1): Service Life Limit. (2): On Condition. (3): Operating Time Limit reported in the Maintenance Manual. (4): see drawings for details. (5) Pay attention to the type of tube and O-ring in accordance with the type of oil (DOT 4 or Fluid 41). (6): Loctite 52A43 Medium Strenght Thread Locker, Locitite 52A41 Bearing.



AIRCRAFT DISC WHEEL BRAKE SYSTEM - ITM 1\_BRAKE & DISC

ASSY	SUB-ASSY	NR.	DESCRIPTION	PART NUMBER	Q.TY	MATERIAL	TECHNICAL SPECIFICATION	WEIGHT (gr.)	MARKING	TREATMENT	NOTE	SLL <sup>(1)</sup>
* CALIPER & BRAKE DISC FDA-0100-EPA												
	**	1	SCREW ALLEN	CM_TCCE6*20	2	10.9 or 12.9	DIN 912 UNI 5931				Tighten with Loctite 52A43 <sup>(6)</sup> Torque 12÷16 Nm	
	**	2	WASHER	CM_W6*11*1,5	2							
	**	3	O-RING	CM_PK2-222 or MS28775-222	1						Lubricate with a thin layer of oil <sup>(5)</sup>	
	**	4	HOLED PIN GUIDE	FDA-0115A-EPA	2	STAINLESS STEEL	AISI 410, AISI420, AISI 430 OR >	50			Apply a thin layer of Loctite 52A41 <sup>(6)</sup>	OC <sup>(2)</sup>
	**	5	HYDRAULIC VALVE BLEEDER	CM_ACS 11225	1						Tighten with Loctite 52A43 <sup>(6)</sup>	
	**	6	SCREW ALLEN	CM_TCCE8*1,25*35	2	10.9 or 12.9	DIN 912 UNI 5931				Tighten with Loctite 52A43 <sup>(6)</sup> Torque 19÷24 Nm	
	**	7	WASHER	AN960-516L	2							
	**	8	BRAKE DISC	FDA-0103C-EPA	1	SPHEROIDAL CAST IRON GS600-3	UNI 4544/EN 1563	896	Yes <sup>(4)</sup>			OTL <sup>(3)</sup>
	**	9	MOBIL PLATE WITH BRAKE PAD	FDA-0108A-EPA	1			73				OC <sup>(2)</sup>
	***	//	MOBIL PLATE	FDA-0111A-EPA	1	AISI 304/305/316 OR SUPERIOR			Yes <sup>(4)</sup>		Apply a thin layer of glue and heat in the oven between 150° & 180° C for 90'.	
	***	//	BRAKE PAD	FDA-0109A-EPA	1	CR2M (X FRICTION MATERIAL)						OTL <sup>(3)</sup>
	**	10	FIXED PLATE WITH BRAKE PAD	FDA-0112C-EPA	1			50		ANODIZING	Apply a thin layer of glue and heat in the oven between 150° & 180° C for 90'.	OC <sup>(2)</sup>
	***	//	FIXED PLATE	FDA-0114C-EPA	1	ERGAL 55 (7075)	UNI 9007/2 OR AVIONAL 100 (2017) - UNI 9002/2		Yes <sup>(4)</sup>	ANODIZING		
	***	//	BRAKE PAD	FDA-0109A-EPA	1	CR2M (X FRICTION MATERIAL)						OTL <sup>(3)</sup>
	**	11	BODY CILINDER	FDA-0106A-EPA	1	ANTICORODAL 100 (6082) OR ERGAL 55 (7075)	UNI 9006/4 UNI 9007/2 OR AVIONAL 100 (2017) - UNI 9002/2	256	Yes <sup>(4)</sup>	ANODIZING	Heat in the oven between 95° & 105°C to insert the holed pin guide.	OC <sup>(2)</sup>
	**	12	LIGHTWEIGHT PISTON	FDA-0107A-EPA	1	AISI 304 / AISI 305 / AISI 316 OR SUPERIOR		50	Yes <sup>(4)</sup>		Lubricate with a thin layer of oil before inserting in the caliper <sup>(5)</sup>	OC <sup>(2)</sup>
	**	--	HYDRAULIC FITTING	CM_1/8"	1						Tighten with Loctite 52A43 <sup>(6)</sup>	