

	Ferrari 430 Challenge GT3 Specification TECHNICAL BULLETIN	Series	GT3
		Complied by	Teoldi C.
		Date of issue	04 - 07

Subject:

System technical details;

Introduction:

The aim of this document is to inform the Ferrari F430 Challenge distributors & customers about the system features;

Contents:

- Caliper technical details;
- Assemblies technical details;
- Disc drawings;
- Caliper service;
- Drawings;
- Pad family drawings;

Caliper technical details:

FRONT

P6.30/32/40 Aluminium Monobloc caliper

Front left p.n.: **XA3.02.31**

Front right p.n.: **XA3.02.32**

REAR

P4.38/42 Aluminium 2 pieces caliper


Rear left p.n.: **XA2.E7.03**

Rear right p.n.: **XA2.E7.04**

Assemblies technical details:

	Disc measures	Assembly part number
Front left assembly	380x32mm 72 vanes cooling	XA2.87.33
Front right assembly	380x32mm 72 vanes cooling	XA2.87.34

	Disc measures	Assembly part number
Rear left assembly	332x32mm 48 vanes cooling	XA2.87.41
Rear right assembly	332x32mm 48 vanes cooling	XA2.87.42

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Caliper service:

The recommended working temperature for the GT calipers is < 200°C, whereas the maximum acceptable working temperature is 220°C;

Over 240°C, the seals fitted into the calipers can be overheated and they will not guarantee the right performances of the caliper (sealing, roll back, fluid absorption,...);

In order to keep under control the caliper temperatures, Brembo suggests to use its thermo tapes;

- Scale 132°C / 210°C p.n.: 02.5168.10
- Scale 210°C / 260°C p.n.: 02.5168.13

If the caliper temperature goes over 240°C, the seals have to be opportunely refreshed;

In a normal condition, Brembo suggests to service the calipers after 5.000Km, replacing:

- Pistons;
- Seals;
- Bleed screws;
- Bridge pipe (only for the rear);

Service Kit:

Seal Family & Diameter	Kit P/N
C-26	105.7224.39
C-28	105.7224.40
C-30	105.7224.41
C-32	105.7224.42
C-34	105.7224.43
C-36	105.7224.44
C-38	105.7224.45
C-40	105.7224.46
C-42	105.7224.47
C-44	105.7224.48



P/N 04.8164.90

Description

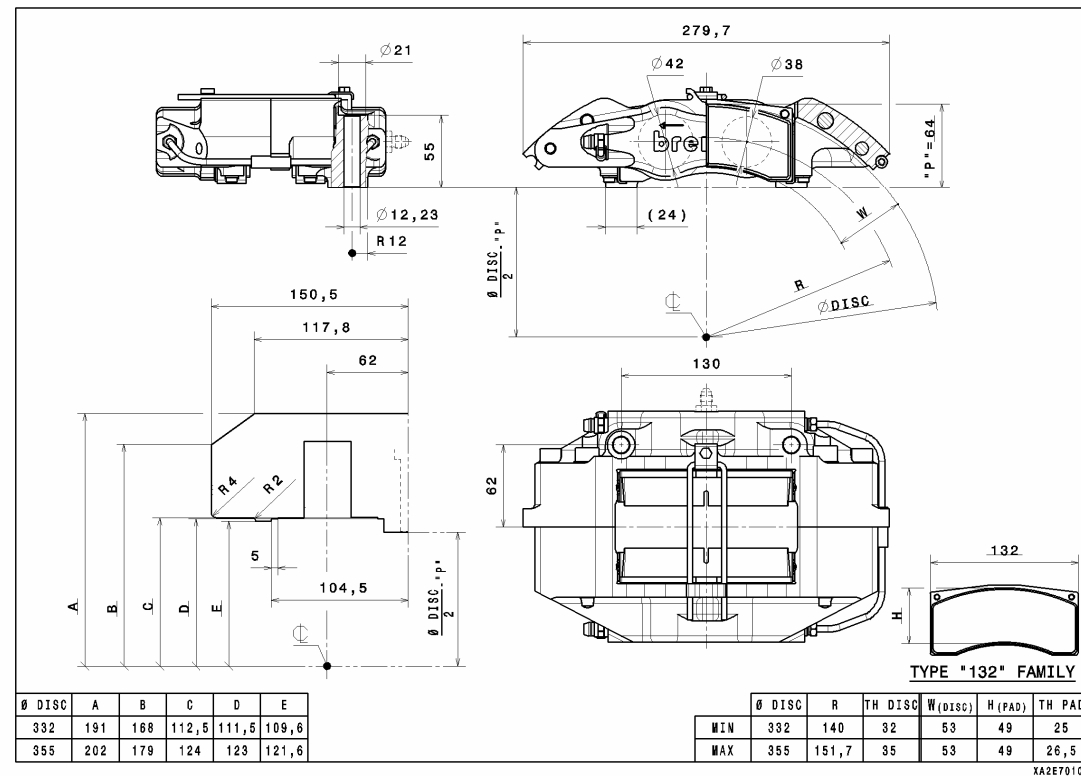
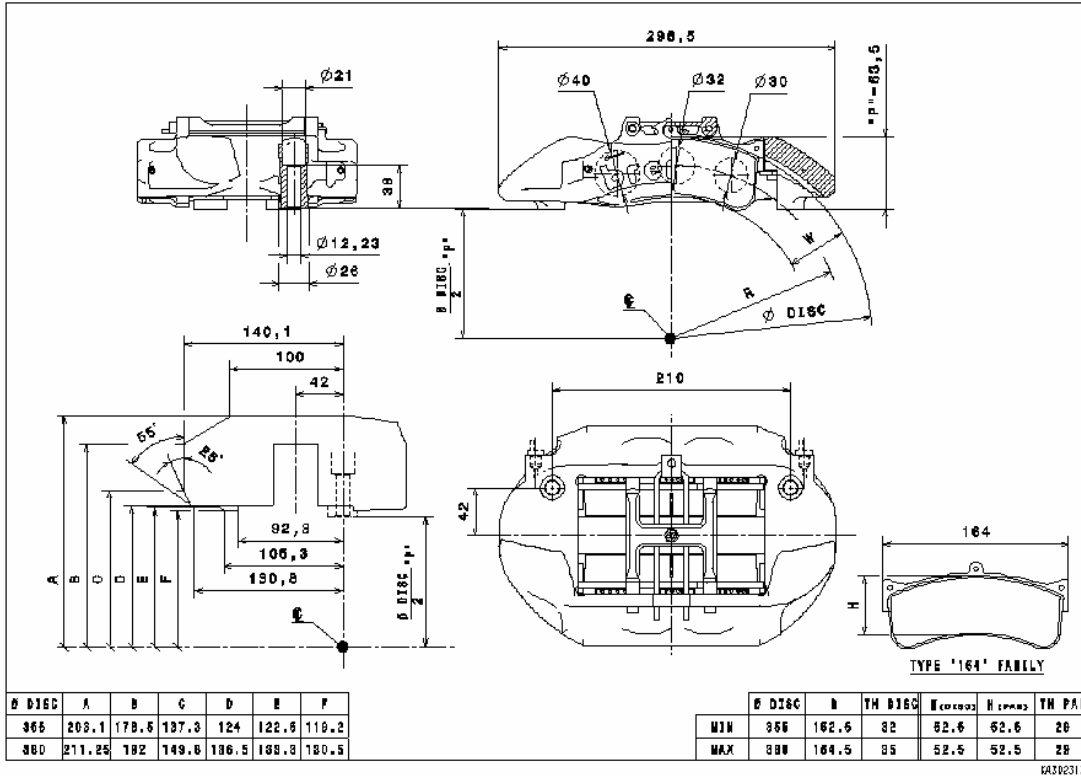
SCF has been developed to give the best initial surface conditioning to new Brembo Racing brake caliper seals before assembly. When used correctly, the seals will not require any bedding onto the pistons and the correct seal friction and optimum design performance is achieved immediately.



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Caliper Drawings:

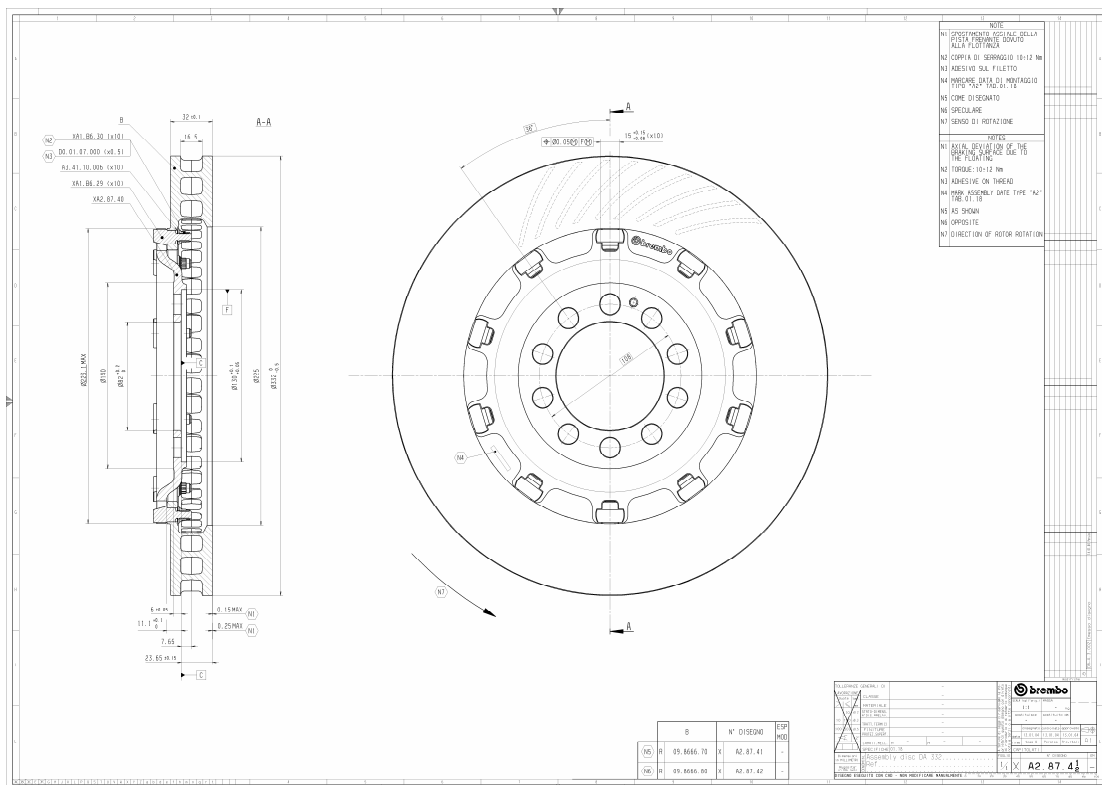
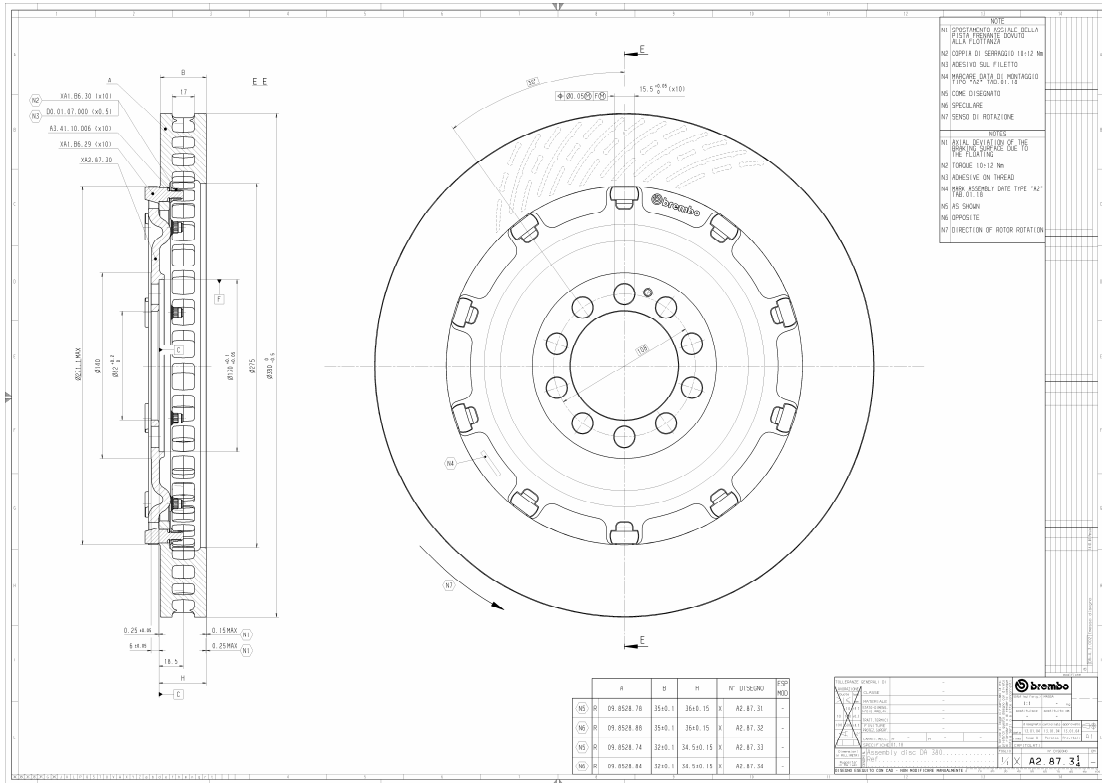




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Assembly drawings:

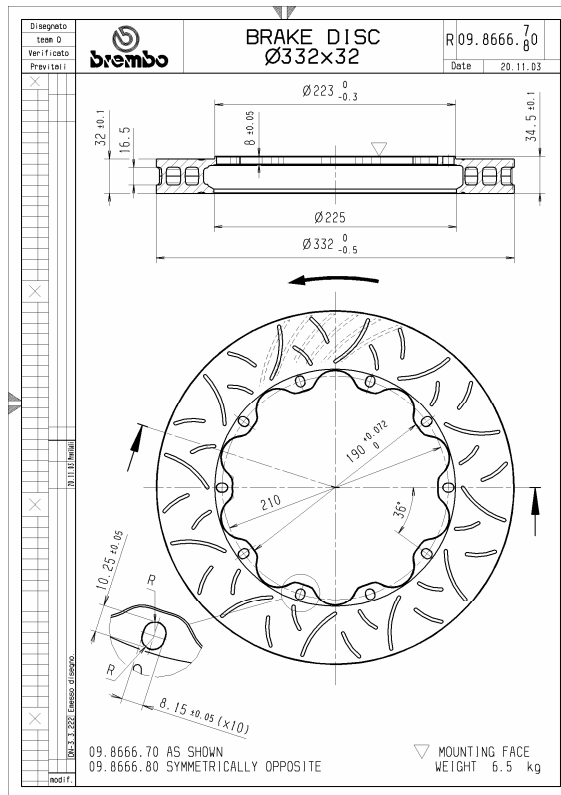
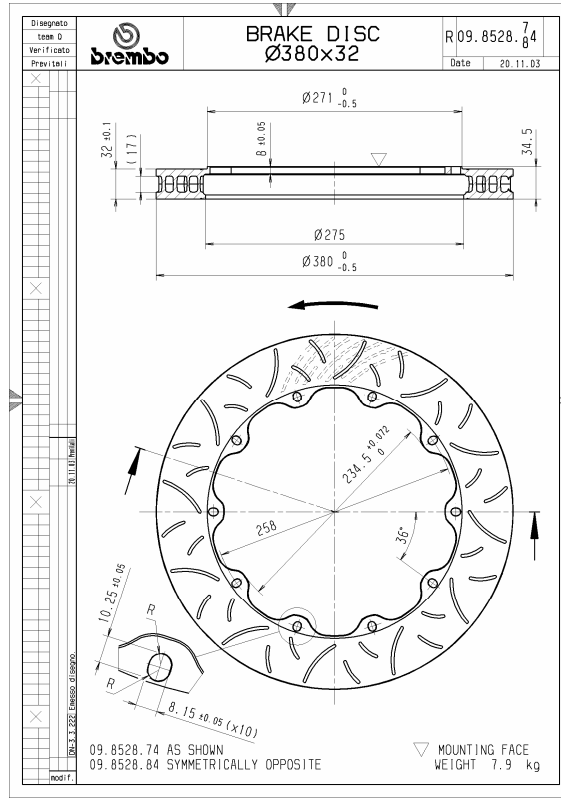





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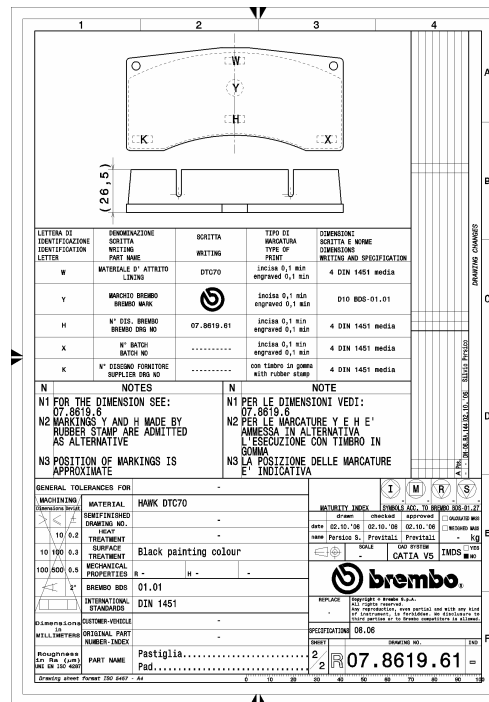
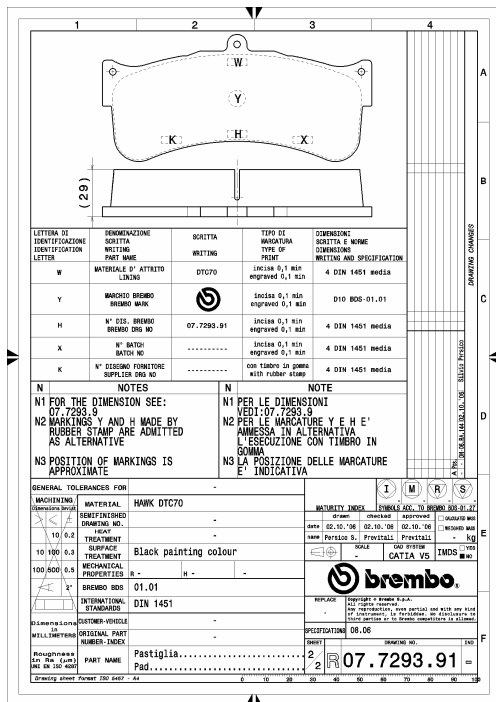
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Disc drawings:



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Pad drawings:



FRONT PAD:

Pad Material: Hawk DTC70
 Pad length: 164mm
 Thickness: 29mm
 Min th: 10mm
 P.N.: 07.7293.91

REAR PAD:

Pad Material: Hawk DTC70
 Pad length: 132mm
 Thickness: 26,5mm
 Min th: 10mm
 P.N.: 07.8619.61

Front part numbers:

	N°	
Upright:	X98.B5.16/17	1+1
Calipers:	XA3.02.31/32	1+1
Assemblies:	XA2.87.33/34	1+1
Bell:	XA2.87.30	2
Disc:	09.8528.74/84	1+1
Pad:	07.7293.91	4
Bracket:	XA7.69.01	2
Stud:	XA7.69.02	4
Nut M12x1,25:	A2.38.13.120	4
Washer for caliper:	X98.D2.60	4
Screw M12 bracket:	X98.B5.54	4
Washer for bracket:	A3.41.10.013	4
Cooling ring left:	XA7.69.03	1
Cooling ring right:	XA7.69.04	1
Screw M5x10:	A1.08.34.100	8
Corrugated iron washer:	A3.15.01.050	8

Rear part numbers:

	N°	
Upright:	X98.B5.16/17	1+1
Calipers:	XA2.E7.03/04	1+1
Assemblies:	XA2.87.41/42	1+1
Bell:	XA2.87.40	2
Disc:	09.8666.70/80	1+1
Pad:	07.8619.61	4
Stud:	XA7.69.12	4
Nut M12x1,25:	A2.38.13.120	4
Washer for caliper:	X98.D2.60	4
Cooling ring left / right:	XA7.69.13	2
Screw M5x10:	A1.08.34.100	8
Corrugated iron washer:	A3.15.01.050	8
Abutment for upright slit:	X98.B5.50	2
Spacer for caliper:	XA7.69.11	4

NOTE: The wheels that must be used are the Ferrari 430 GT2 specification;



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Front cooling ring mounting procedure:

