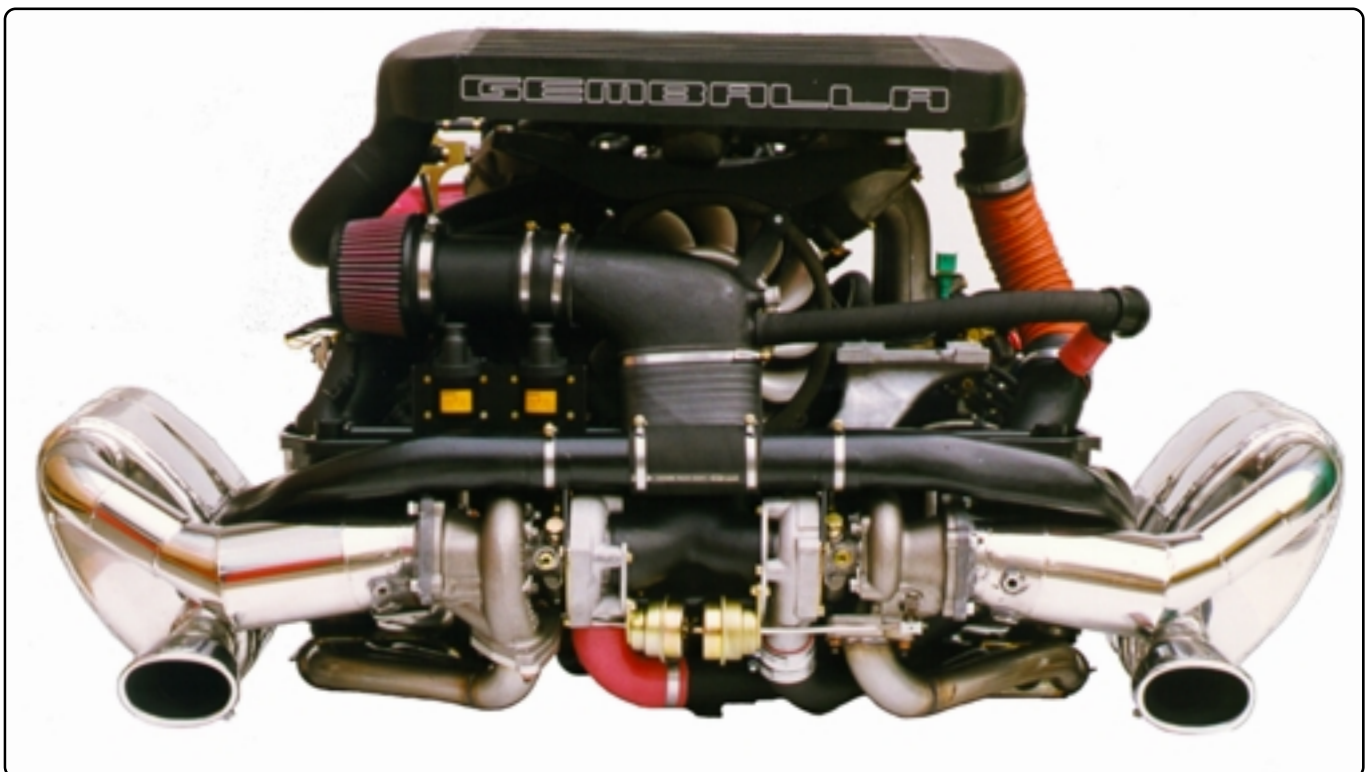


**BITURBO-PROGRAM**  
GEMBALLA  
FOR PORSCHE CARRERA

MODEL LINE 993



March 1999

GEMBALLA



# BITURBO-PROGRAM

## GEMBALLA

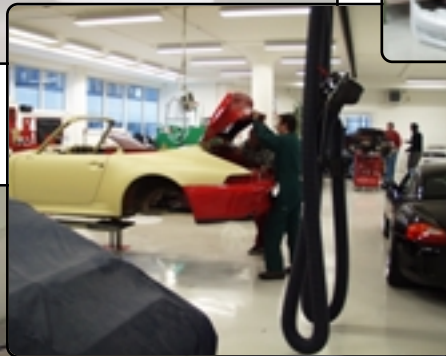
### FOR PORSCHE MODEL LINE 993

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# GEMBALLA

A DEDICATION TO STYLE



GEMBALLA

# GEMBALLA

MAKE YOUR DECISION . . .



Basic car Carrera 2 / 4  
Cabrio

**BITURBO** in original look with WAI\*  
(no rear spoiler required)



Basic car Carrera S / C 4S

Carrera S / C 4S with WAI\* in original look  
(no rear spoiler required)



Basic car Carrera 2 / 4  
Targa

**BITURBO** with AAI\* in original look  
(rear spoiler required)



Basic car Carrera 2

**BITURBO** for Carrera in TURBOLOOK  
(on request with AAI\* or WAI\*)



Basic car TURBO original  
look

**BITURBO** with AAI\*



Basic car Carrera / TURBO

**BITURBO** Coupé with AAI\*



Basic car Carrera / TURBO

**BITURBO** in GT2-look



Basic car Carrera / TURBO

GTR 600

WAI = water / air intercooler / AAI = air / air intercooler (rear spoiler required)

# GEMBALLA

MAKE YOUR DECISION . . .



Le Mans **BITURBO** with AAI\*

Basic car Carrera 2/4  
Coupé



Basic car Carrera 2/4  
Coupé

Le Mans **BITURBO** GT with AAI\*



Le Mans **BITURBO** GTR with LLK\*

Basic car Carrera 2/4  
Coupé



Basic car Carrera S/C 4S

*extremo*

# GEMBALLA

- BODYWORK PROGRAM**
- AERODYNAMIC PROGRAM**
- TECHNICAL PROGRAM**
- INTERIOR PROGRAM**



WATER / AIR INTERCOOLER

BITURBO PROGRAM

# GEMBALLA

**BITURBO** with water / air intercooler - 450 / 500 HP

\*no rear spoiler required

**Basic car Carrera**



Basic car Carrera 2 / 4  
Coupé



Basic car Carrera 2 / 4  
Cabrio



Basic car Carrera 2  
Targa



Basic car Carrera S / 4S  
Coupé

## MUSCLE PACKAGE with 450 / 500 HP



### 450 HP:

3,6 lt. **BITURBO**  
450 HP at 6500 rpm  
580 Nm at 5250 rpm

### 500 HP:

3,6 lt. **BITURBO**  
500 PS at 6500 rpm  
620 Nm at 5250 rpm

### Tiptronic 400-420 HP\*:

3,6 lt. **BITURBO**  
420 PS at 5500 rpm  
550 Nm at 5150 rpm

\*Tiptronic with reduced pressure



# GENBALLA

**BITURBO 500** for Porsche Carrera 2 / 4 with 9J x 18 / 11,5J x 18 alloy wheel set  
CUP Design, SPORT-Suspension with sportive road tuning, stiff rear axle mounts,  
SPORT-Brake system with 330 mm brake discs, **BITURBO**-Motor with water / air  
intercooler 500 HP / 620 Nm, 110 mm oval tail pipes





AIR/AIR INTERCOOLER

Basic car Carrera

# GEMBALLA

**BITURBO** with air / air intercooler - 450 / 500 / 550 / 600 HP

\*Heckspoiler erforderlich / GEMBALLA Heckspoiler oder Typ TURBO



Basic car Carrera S / 4S  
Coupé



Basic car Carrera 2  
Targa



Basic car Carrera S / 4S  
Coupé



Basic car Carrera 2 / 4  
Cabrio

BITURBO PROGRAM

### MUSCLE PACKAGE with 450 / 500 / 550 / 600 HP



#### **450 HP:**

3,6 lt. **BITURBO**  
450 HP at 6500 rpm  
580 Nm at 5250 rpm

#### **550 HP:**

3,6 lt. **BITURBO**  
550 HP at 6500 rpm  
640 Nm at 5250 rpm

#### **Tiptronic 400-420 HP\*:**

3,6 lt. **BITURBO**  
420 HP at 5500 rpm  
550 Nm at 5150 rpm

#### **500 HP:**

3,6 lt. **BITURBO**  
500 HP at 6250 rpm  
620 Nm at 5500 rpm

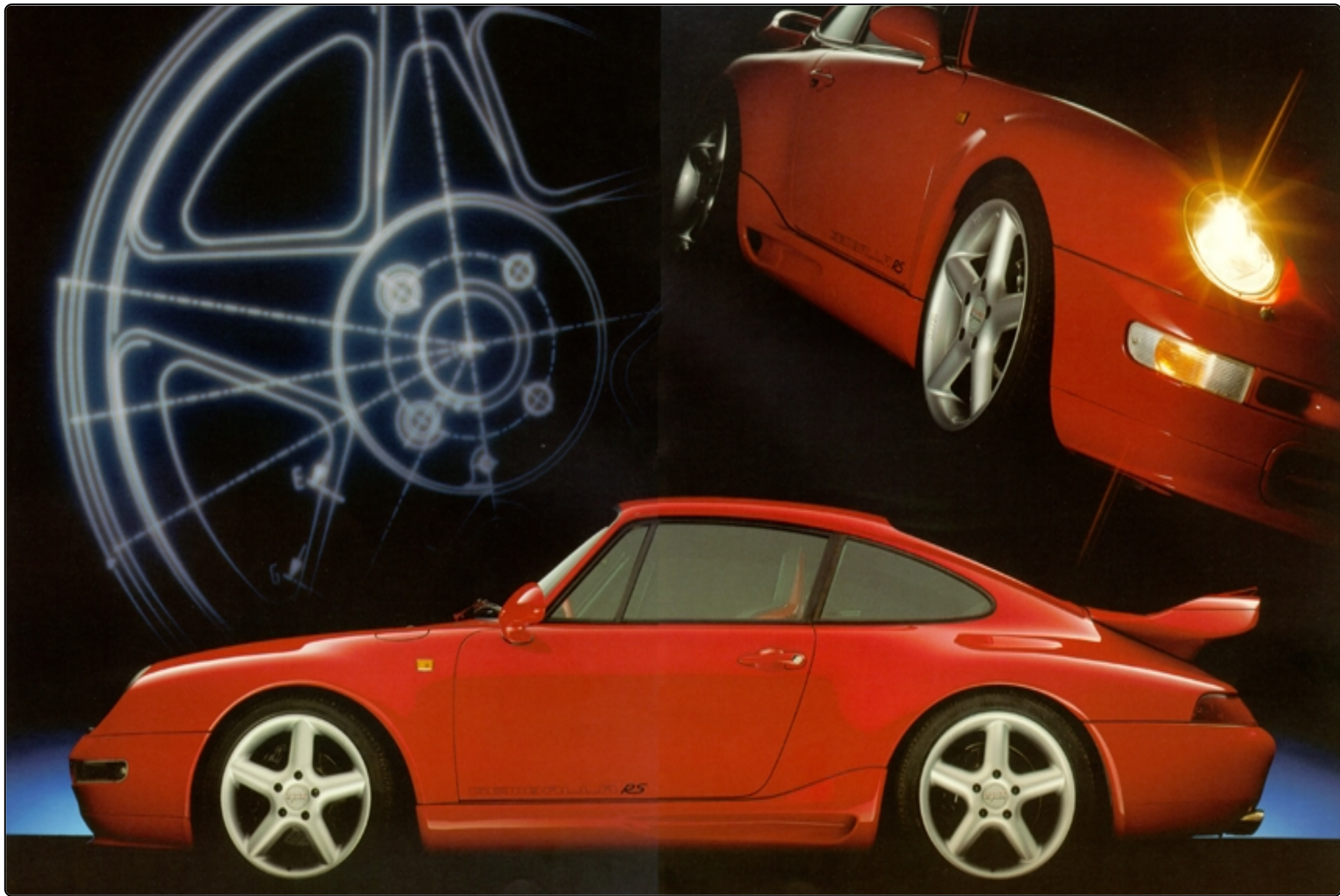
#### **600 HP:**

3,6 lt. **BITURBO**  
600 HP at 6700 rpm  
690 Nm at 5800 rpm

\*Tiptronic with  
reduced pressure







BITURBO IN TURBOLOOK

Basic car Carrera

# GEMBALLA

BITURBO IN TURBOLOOK

Basic car Carrera 2 / 4 Cabrio



Basic car Carrera 2 / 4 Coupé



Basic car Carrera 2 Targa



Basic car Carrera 2 Cabrio

BITURBO PROGRAM

# GEMBALLA

**GEMBALLA BITURBO** for Porsche Carrera Cabrio in TURBOLOOK. On request with water/ air intercooler (450 / 500 PS) or air / air intercooler (450 / 500 / 550 / 600 HP) with wheel set 8J x 18 / 10J x 18 Design C, SPORT-Suspension with sportive road tuning, stiff rear axle mounts, SPORT-Brake system, rear spoiler type TURBO 3.6 RS USA, **BITURBO**-Motor with air/ air intercooler and 450 PS/ 580 Nm, 110 mm oval tail pipes





AIR/AIR INTERCOOLER

# GEMBALLA

**BITURBO** with air/ air intercooler - 490 / 520 / 570 / 600 HP

**Basic car TURBO**

Basic car TURBO



Basic car TURBO



Porsche AEROKIT TURBO II special series TURBO S

### MUSCLE PACKAGE mit 490 / 520 / 570 / 600 PS



#### **490 HP:**

3,6 lt. **BITURBO**  
490 HP at 6250 rpm  
620 Nm at 5300 rpm

#### **570 HP:**

3,6 lt. **BITURBO**  
570 HP at 6250 rpm  
690 Nm at 5200 rpm

#### **Tiptronic 400-420 HP\*:**

3,6 lt. **BITURBO**  
420 HP at 5500 rpm  
550 Nm at 5150 rpm

#### **520 HP:**

3,6 lt. **BITURBO**  
520 HP at 6250 rpm  
670 Nm at 5250 rpm

#### **600 HP:**

3,6 lt. **BITURBO**  
600 HP at 6300 rpm  
730 Nm at 5500 rpm

\*Tiptronic with reduced pressure



BITURBO PROGRAM

**GEMBALLA** BITURBO 570 for Porsche TURBO with 9J x 18/11,5J x 18 wheel set CUP Design, SPORT-Suspension, stiff rear axle mounts, SPORT-Brake system with 380 mm Brake discs, BITURBO-Motor with air / air intercooler and 570 HP / 620 Nm, 110 mm oval tail pipes



AIR/AIR INTERCOOLER

Basic car Carrera/TURBO

# GEMBALLA

**BITURBO** with air/ air intercooler - 500 / 520 / 570 / 600 HP

\*Rear spoiler required/ GEMBALLA rear spoiler or type TURBO



BITURBO PROGRAM



Basic car TURBO:  
520 / 570 / 600 HP

Basic car Carrera:  
500 / 550 / 600 HP

Basic car TURBO Coupé

# GEMBALLA

**GEMBALLA** BITURBO 570 for Porsche TURBO with front skirt typ GT2, rear spoiler type TURBO GT, alloy wheel set 9J x 18/11,5J x 18 CUP Design, SPORT-Suspension, stiff rear axle mounts, SPORT-Brake system with 380 mm Brake discs, BITURBO-Motor with air / air intercooler and 570 HP / 620 Nm, 110 mm oval tail pipes



AIR/AIR INTERCOOLER



BITURBO PROGRAM



GEMBALLA



**GEMBALLA** BITURBO 600 for Porsche Carrera 4 with front skirt type TURBO with front spoiler lip, GEMBALLA side skirts type TURBO, rear spoiler type GT2, alloy wheel set 9J x 18 / 11,5J x 18 CUP Design, SPORT-Suspension, stiff rear axle mounts, SPORT-Brake system with 380 mm brake discs, BITURBO-Motor with air / air inter-cooler and 600 HP / 620 Nm, 110 mm oval tail pipes





GT2

# GEMBALLA

**BITURBO** with air / air intercooler - 500 / 520 / 570 / 600 HP

\*Rear spoiler required / GEMBALLA rear spoiler or type TURBO



BITURBO PROGRAM

# GEMBALLA

**GEMBALLA** BITURBO 570 für Porsche TURBO with alloy wheel set 9J x 18/11,5J x 18 CUP Design, SPORT-Suspension, stiff rear axle mounts, SPORT-Brake system with 380 mm brake discs, BITURBO-Motor with air / air intercooler and 570HP / 620 Nm, 110 mm oval tail pipes



GTR 600

# GEMBALLA GTR 600



BITURBO PROGRAM



# GEMBALLA

GTR 600



BITURBO PROGRAM

GEMBALLA

# GEMBALLA

**BITURBO 600** for Porsche TURBO with rear fender extensions type GT2 made of Kevlar, Kevlar-Front bonnet, front skirt GT2 with air channels for brake ventilation, Kevlar-doors, rear side windows and Heckscheibe made of plastic, side skirts type GEMBALLA TURBO with air channels for brake ventilation, rear quarter panels with air channels for engine ventilation, rear spoiler type GT2, alloy wheel set 9J x 18 / 11,5J x 18 BBS Racing, SPORT-Suspension, stiff rear axle mounts, SPORT-Brake system with 380 mm Brake discs, BITURBO-Motor with air / air inter-cooler and 600 HP / 720 Nm, 110 mm oval tail pipes



**GEMBALLA**

**BITURBO 600** for Porsche TURBO with rear fender extensions type GT2 made of Kevlar, Kevlar-Front bonnet, front skirt GT2 with air channels for brake ventilation, Kevlar-doors, rear side windows and Heckscheibe made of plastic, rear quarter panels with air channels for engine ventilation, rear spoiler type GT2, alloy wheel set 9J x 18 / 11,5J x 18 BBS Racing, SPORT-Suspension, stiff rear axle mounts, SPORT-Brake system with 380 mm Brake discs, BITURBO-Motor with air / air inter-cooler and 600 HP / 720 Nm, 110 mm oval tail pipes



LE MANS BITURBO

# GEMBALLA

## Le Mans BITURBO



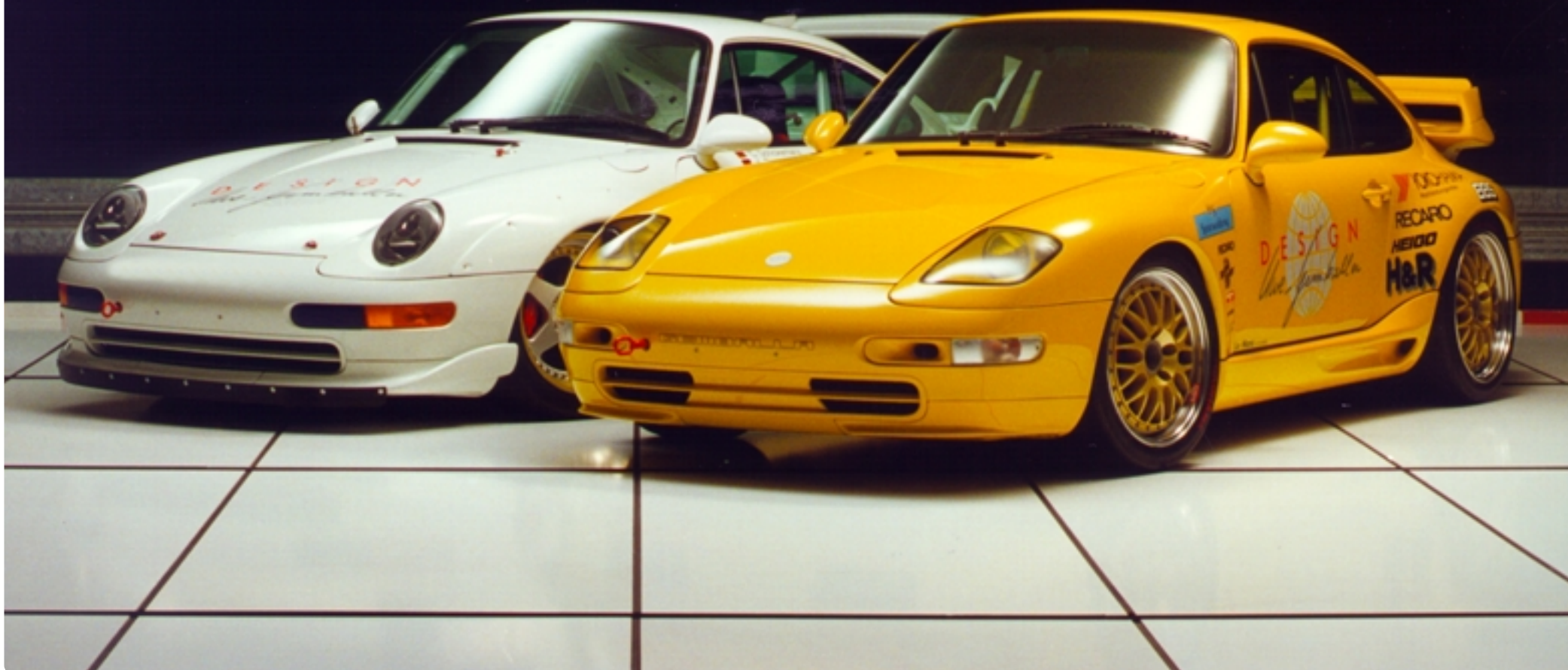
BITURBO PROGRAM



# GEMBALLA



**GEMBALLA** BITURBO 570 for Porsche TURBO with alloy wheel set 9J x 18 / 11,5J x 18 BBS Racing, SPORT-Suspension, stiff rear axle mounts, SPORT-Brake system with 380 mm Brake discs, BITURBO-Motor with air/air intercooler and 570 HP / 620 Nm, 110 mm oval tail pipes





LE MANS BITURBO GT

# GEMBALLA Le Mans BITURBO



Le Mans BITURBO

Basic car Carrera / TURBO

BITURBO PROGRAM



# GEMBALLA



**GEMBALLA** BITURBO 570 for Porsche Carrera 2 with aerodynamic front fenders and double headlight system, alloy front bonnet, front spoiler lip type RS, , additional air channels in front skirt, side skirts with air channels for brake ventilation, rear quarter panels type TURBO for engine ventilation, rear skirt type TURBO, rear spoiler type GT, alloy wheel set 9J x 18/11,5J x 18 CUP Design, SPORT-Suspension, stiff rear axle mounts, SPORT-Brake system with 380 mm brake discs, BITURBO-Motor with air/ air intercooler and 570 HP / 620 Nm, 110 mm oval tail pipes



LE MANS BITURBO GTR

BITURBO PROGRAM

# GEMBALLA Le Mans BITURBO



Basic car Carrera / TURBO

„Track-Test“ in Estoril

# GTR



# GEMBALLA

**GEMBALLA** BITURBO 600 for Porsche Carrera / TURBO with alloy wheel set 9J x 18/11,5J x 18  
BBS Racing, SPORT-Suspension, stiff rear axle mounts, SPORT-Brake system  
with 380 mm brake discs, BITURBO-Motor with air / air intercooler and 600 HP /  
730 Nm, 110 mm oval tail pipes



EXTREMO

GEMBALLA

# extremo

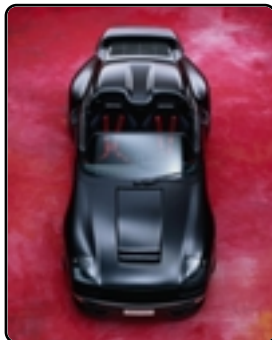
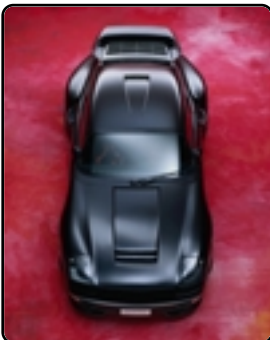
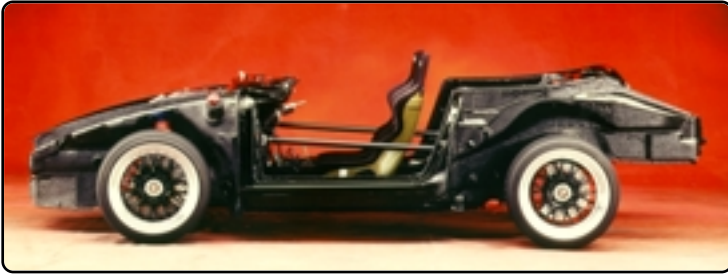


BITURBO PROGRAM



GEMBALLA

EXTREMO



From ROADSTER to cabrio in two minutes

BITURBO PROGRAM



GEMBALLA

**GEMBALLA**  
*extremo*

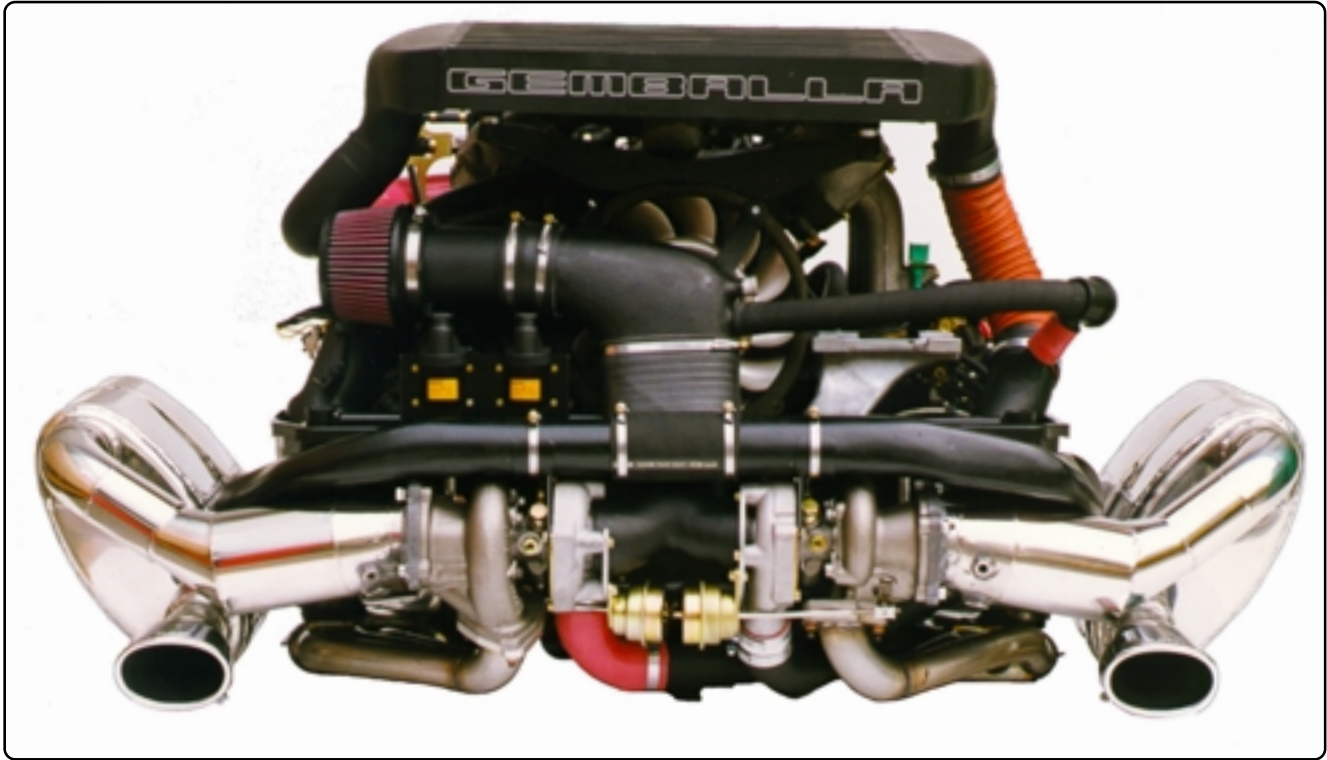


**BITURBO 600** for Porsche Carrera 4 with aerodynamic front bonnet with air channel and double headlight system, front skirt with additional air channels, side skirts with air channels for brake and engine ventilation, rear skirt, rear spoiler with adjustable wing, all parts made of Carbon, Speedster wind screen, Softtop and rear bonnet, on request hardtop, alloy wheel set 9J x 18 / 11,5J x 18 BBS Racing, SPORT-Suspension, stiff rear axle mounts, SPORT-Brake system with 380 mm brake discs, BITURBO-Motor with air / air intercooler and 600 PS / 720 Nm, 110 mm oval tail pipes



# GEMBALLA ENGINE PROGRAM

TECHNICAL PROGRAM



## Example Carrera:

Conversion 993 C2/ 4 type 3.6 to 550 HP and 670 Nm, Basic engine 3.6L; conversion with reinforced con-rod, compression 8.0 : 1, special cylinderhead gasket, mechanical valvegear , SPORT-Camshaft, air / air intercooler, modified exhaust system and metal-catalysts, special pistons, large intake and outlet valves / rear spoiler required

BITURBO PROGRAM

GEMBALLA

TECHNICAL PROGRAM

# GEMBALLA TECHNICAL PROGRAM



**BITURBO** 450 / 500 HP  
Water / air intercooler  
Basic car Carrera

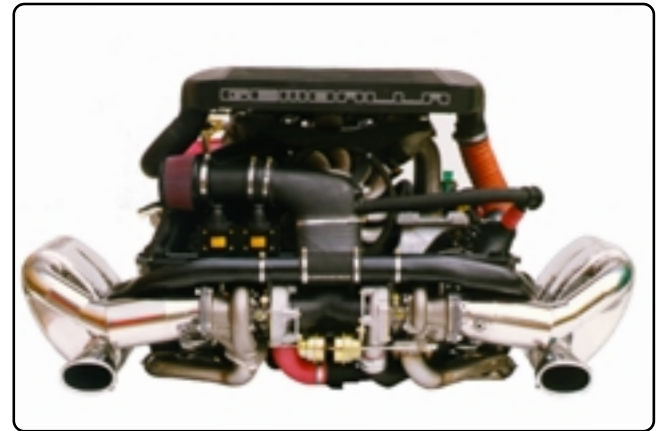


**BITURBO** 450 / 500 / 550 / 600 HP  
Air / air intercooler  
Basic car Carrera

BITURBO PROGRAM



**BITURBO** 490 / 520 / 570 / 600 HP  
Air / air intercooler  
Basic car TURBO

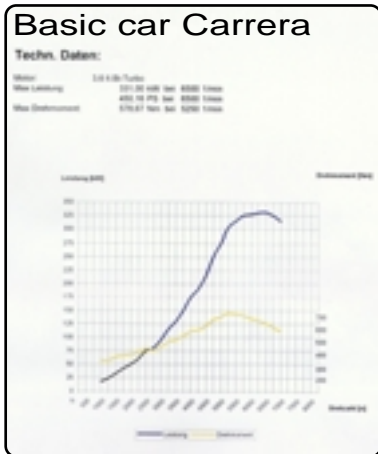


**BITURBO** 450 / 500 / 550 / 600 HP  
Air / air intercooler  
Basic car Carrera

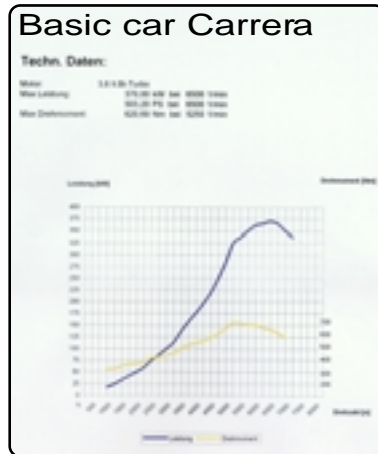
# GEMBALLA

# GEMBALLA WHICH IS YOURS?

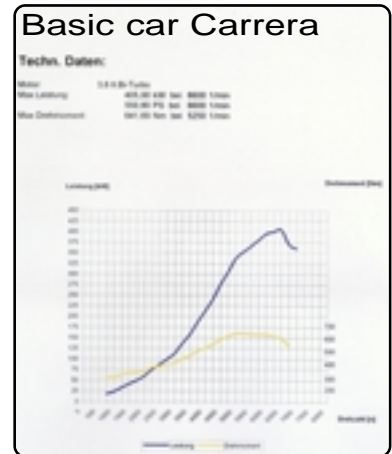
ENGINE DATA FILES



**BITURBO 450 HP**



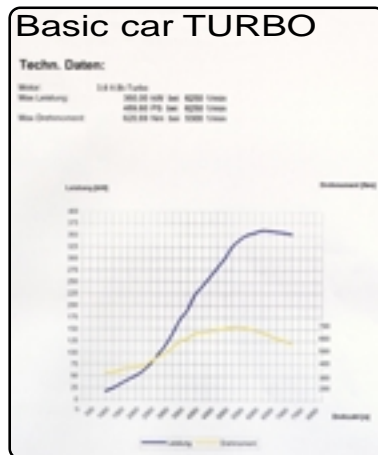
**BITURBO 500 HP**



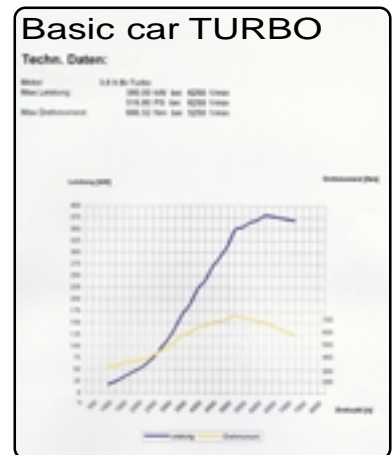
**BITURBO 550 HP**



**BITURBO 600 HP**



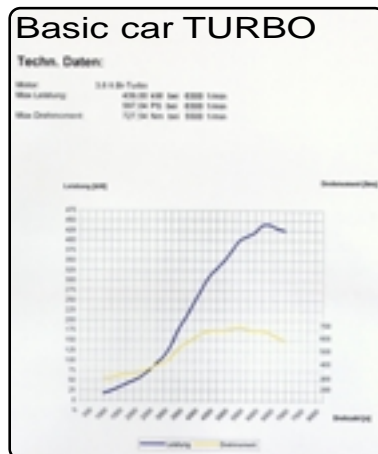
**BITURBO 490 HP**



**BITURBO 520 HP**



**BITURBO 570 HP**



**BITURBO 600 HP**

BITURBO PROGRAM

GEMBALLA

EXHAUST/END MUFFLER

# GEMBALLA TECHNICAL PROGRAM



Manifold for **BITURBO**



TURBO-Catalysts



SPORT-End muffler for  
TURBO with 70 mm-pipes



Catalysts replacement pipes  
for **BITURBO**  
„More power, better sound . . .“  
\*Export without TÜV



SPORT-End muffler  
„Super Sound“ for TURBO



SPORT-End muffler (70 mm)  
for Carrera with **BITURBO**

BITURBO PROGRAM

# GEMBALLA

# GEMBALLA TECHNICAL PROGRAM

OIL COOLER SYSTEMS



Additional oil cooler **RACING**  
(with front airintake) for highest regards



Additional oil cooler **SPORT-I**  
for all leistungssteigerungen



Additional oil cooler **SPORT-II** for all  
600 HP-**BITURBO** and sportive driving

BITURBO PROGRAM

GEMBALLA

BITURBO PROGRAM ALLOY WHEELS / WHEEL SETS



Type Le Mans  
9J x 18 / 11J x 18



Type Le Mans  
Black Edition  
9 x 18 / 11,5 x 18



Type CUP Design  
9J x 18 / 11,5 x 18



Type BBS Racing  
9 x 18 / 11,5 x 18

GEMBALLA



SPORT-Suspension live in action

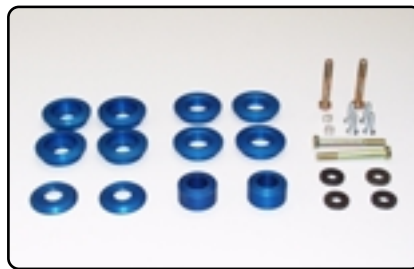


Alloy-front strut bar with carpet conversion

SPORT-SUSPENSION



Spacers



Stiff rear axle mounts



Adjustable stabilizer bars



SPORT-Springs



SPORT-Suspension with sportive road tuning



SPORT-Suspension with alloy

BITURBO PROGRAM



PROFI-Suspension with double spring system



RACING-Suspension, adjustable



RACING-Suspension, various dimensions

SPORT-BRAKE SYSTEMS

# GEMBALLA TECHNICAL PROGRAM



Set with 330 mm brake discs



BITURBO PROGRAM



Set with 380 mm brake discs



# GEMBALLA



# GEMBALLA INTERIOR

INTERIOR



BITURBO PROGRAM

# GEMBALLA

INTERIOR

# GEMBALLA INTERIOR



Center console - on request with telephone



Motor-Start console with start-button, oil and turbo boost gauge



Shiftknob and instrument panel made of Carbon



Door panels made of Carbon

BITURBO PROGRAM



Door entrance panels (stainless steel) with logo „GEMBALLA“



Alloy pedals with foot rest

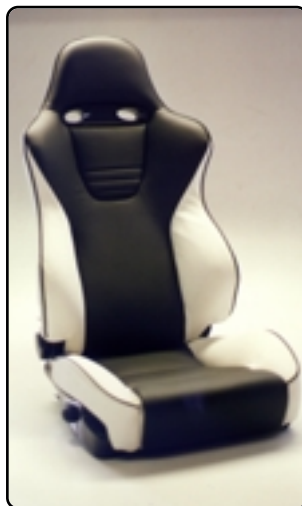
# GEMBALLA



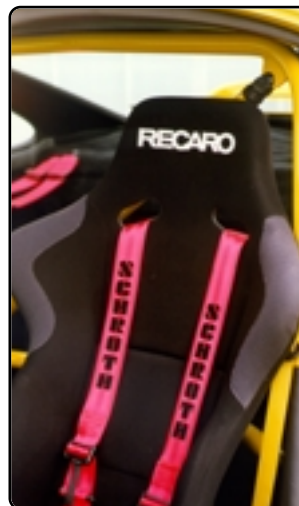
RECARO SPORT-Seat RACER SPA - cover Nomex



RACING-Seat with side protection, 4-point-belt (roll bar leather coverd)



RECARO SPORT-Seat, leather covered (leather color on request)



RECARO SPORT-Seat SPG



RECARO Kevlar-SPORT-Seat SPA (on request Carbon-version; only 2.5 kg !)

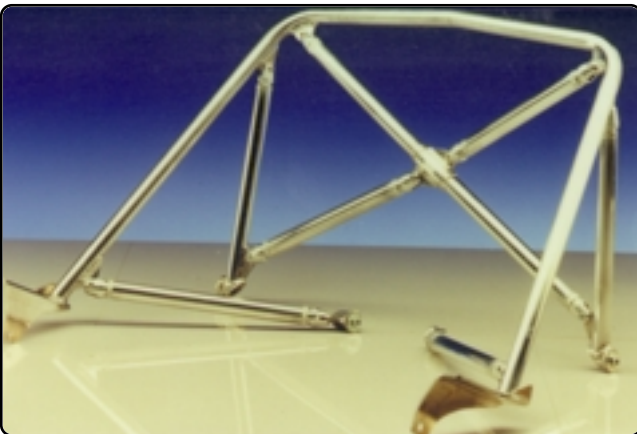
**SAFETY ROLL BARS**



RACING Roll bar



**BITURBO PROGRAM**



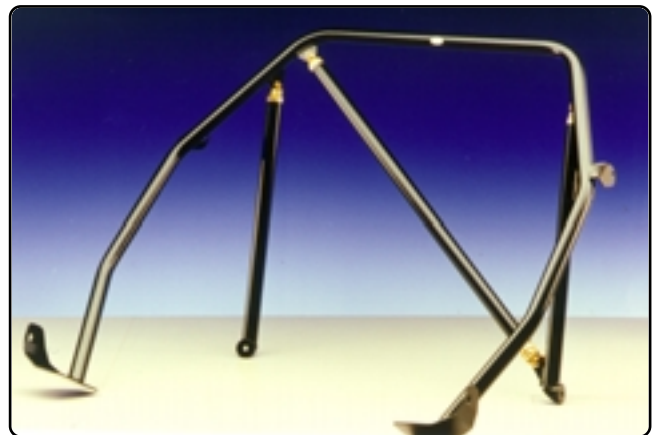
Safety roll bar RS with cross strut bars



Safety roll bar clubsport with removeable strut bar



Safety roll cage



Safety roll bar clubsport for cabrio

# GEMBALLA INTERIEUR

INTERIOR VARIATIONS



## Interior variations

- Leather
- Carbon
- Wood
- Colores instrument dials

BITURBO PROGRAM

# GEMBALLA



**Competition II**

Airbag leather covered, grip area left and right with perforated leather, leather color on request.

**SPORT-Steering wheels with fullsize airbag**



1



2



3



4



5

- 1 **MILANO**  
black / black
- 2 **COMO**  
black / gray
- 3 **MONZA**  
red / red
- 4 **FIRENZE**  
black / perforated
- 5 **MONTE CARLO**  
black / yellow

\*All designs have a black painted airbag cover