

## Test Report

No.: 2002-KTV/PZW-EX-7/03/E/BU

With regard to the Council Directive relating to the  
braking devices of certain categories of motor vehicles and of their trailers

71/320/EEC

of 26 July 1971

as last amended by

98/12/EC

of 27 January 1998



Name and address of the Test Laboratory	:	TÜV Austria Division Automotive Technology and Traffic  Deutschstraße 10 A-1230 Vienna	Accredited Testing Laboratory, Inspection Body, Certification Body, Calibration Body
Name and address of orderer	:	TARONI & C. s.a.s.  Via Milano 24 I-23875 Osnago (LC)	Notified Body 0408  Head Office: A-1015 Vienna/Austria Krogerstraße 16 Tel: +43 1 514 07-0 Fax: Ext. 6005 eMail: office@tuev.or.at <a href="http://www.tuev.or.at">http://www.tuev.or.at</a>
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Banking Connections:  
CA 0066-2897800  
BA 220-101-94900  
PSK 7072-754

## 1. Test vehicle(s)/-object(s)

## 1.1 Description

## Test vehicle

Category of vehicle	:	Passenger car / M1
Make (trade name of manufacturer)	:	NISSAN
Vehicle Type	:	Z 32
Commercial description	:	300 ZX
Vehicle test weight, unladen (with driver and test equipment)	:	1745 kg (1660 kg + 75 kg + 10 kg)
Vehicle test weight, laden, total	:	2020 kg
Maximum design speed	:	250 km/h
Tyre dimensions	front	225/40 ZR 18
	rear	255/35 ZR 18
Braking devices	:	Disc-brakes, front and rear
The kit of the braking system includes for each axle	:	2 brake calipers 2 brake discs including alloy belts 2 adapting clamps 1 set of brake pads 1 set of brake lines in P.T.F.E.
Manufacturer's name and address	:	TARONI & C. s.a.s. Via Milano 24 I-23875 Osnago (LC)
Make (trade name of manufacturer)	:	TAR-OX
Disc		
Axle 1		
Type of braking disc	:	0415
Diameter [mm]	:	340
Thickness [mm]	:	30
Marking	:	TAR-OX / 0415

**Axle 2**

Type of braking disc	:	0416
Diameter [mm]	:	340
Thickness [mm]	:	24
Marking	:	TAR-OX / 0416

**Caliper**

Axle 1	:	
Kind	:	6 pistons
Marking	:	TAR-OX B 34 X

**Axle 2**

Kind	:	10 pistons
Marking	:	TAR-OX B 10 XL

**Adapting clamps**

Axle 1	:	TAR-OX 0415
Axle 2	:	TAR-OX 0416

**Pads**

Axle 1	:	TARONI & C. s.a.s.
Axle 2	:	TARONI & C. s.a.s.

Type of brake pads	:	asbestos free
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Master cylinder	:	O.E.
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Brake hoses	:	Ractek
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**1.2 Remarks**

Composition, strength and surface treatment of the material has not been tested.

Testing of the brake pads has not been carried out.

## 2. Test report

### Parameter of the test area

Temperature of air	[°C]	:	18
Air pressure	[hPa]	:	1011,5
Air humidity	[%]	:	65
Velocity of wind	[m/s]	:	0 - 1
Test course		:	Asphalt, dry, plane

### Equipment for measuring and testing

Test rig for dynamic tests	:	FT - 10.10 (Test item No.)
Hydraulic test rig	:	KLÖCKNER-MELLER
Tensile strength testing machine	:	ROELL & KORTHAUS RSK 20
Power test item	:	HBM U2A 50 kN
Recording	:	BMC MC-23 (Software: Next-View)
Measuring amplifier	:	BMC MC-MV TF 5a (5 kHz)
Vehicle speed	:	Correvit L-CE 93009
Deceleration	:	Electronic data recording system
Pedal force	:	MAHA Type VZM 100
Temperature	:	MAHA Type MONACOR electronic thermometer

## 3. Test results

### 3.1 Mechanical stability of the caliper

#### Statische Prüfung Static test

The widening of the caliper has been tested by applying a test load F to the pistons of the caliper.

Test load : F = 300 bar

The detected widening was less than 1%.

**Heat resistance**

After the fade test the measuring of the widening under the afore mentioned conditions has been carried out.

The detected widening was less than 1%.

**3.2 Prüfung der Dichtelemente Testing of the sealing elements**

The tightness has been tested by the increase of the static internal pressure up to 200 bar.

Test medium	:	DOT 5
Test pressure	:	200 bar
Test period	:	10 min

The tests showed positive results.

**3.3 Disc****Mechanical stability**

After the testing of the braking system according to Directive 71/320/EEC as amended by 98/12/EC, the thickness deviation and planarity of the brake discs have been examined.

The thickness deviation over the entire circumference was less than 5%.

The deviation of the planarity was less than 0.3 mm.

**Heat resistance**

After the fade test a crack testing, rotation angle testing and a testing regarding planarity of the brake disk have been carried out.

The tests showed positive results.

### 3.4 Brake testing with regard to Council Directive 71/320/EEC a.l.a.b. 98/12/EC

#### 3.4.1 Test type 0

##### Test type 0 with engine disconnected

Category of vehicle	Unladen	Laden	Test requirement
Test speed v [km/h]	80,2	80,1	80 km/h
Stopping distance s [m]	35,1	37,1	$s \leq 50,7 \text{ m}; 0,1v+v^2/150$
Mean fully developed deceleration $d_m$ [m/s <sup>2</sup> ]	9,06	8,47	$d_m \geq 5,8 \text{ m/s}^2$
Applied force [N]	399	324	$F \leq 500 \text{ N}$

##### Test type 0 with engine connected

Category of vehicle	Unladen	Laden	Test requirement
Test speed v [km/h]	160,9	160,2	$v = 80\%v_{max}$ but $\leq 160 \text{ km/h}$
Stopping distance s [m]	125	116,7	$s \leq 0,1v+v^2/130$
Mean fully developed deceleration $d_m$ [m/s <sup>2</sup> ]	9,11	9,78	$d_m \geq 5,0 \text{ m/s}^2$
Applied force [N]	224	258	$F \leq 500 \text{ N}$

##### Additional tests with various speeds

Category of vehicle	Unladen	Laden	Unladen	Laden	Unladen	Laden
Test speed v [km/h]	$v = 30\%$	$v_{max} = 80$	$v = 45\%$	$v_{max} = 130$	$v = 80\%$	$v_{max} = 180$
Maximum value of deceleration [m/s <sup>2</sup> ]	9,86	10,06	9,16	10,96	12,12	10,42
Applied force [N]	324	392	224	286	249	322

##### Behaviour of the vehicle

Good lane stability, no blocking, no unusual vibrations.

### 3.4.2 Test type I (Fade test, laden) with engine disconnected

Repeated stops

Test requirements – Category of vehicle M1

„n“ repeated braking from an original speed  $v_1$  and a mean fully developed deceleration  $d_m$  towards speed  $v_2$  in which the period of time between the beginning of a braking and the beginning of the following braking is „ $\Delta t$ “.

$n = 15$

$v_1 = 80\% v_{max} \leq 120 \text{ km/h}$

$v_2 = \frac{1}{2} v_1 = 60 \text{ km/h}$

$\Delta t = 45 \text{ sec.}$

Fifteen repeated stops	Test speed [km/h]	Mean fully developed deceleration (1. stop) [m/s <sup>2</sup> ]	Applied force [N]
	120	3.0	45

Category of vehicle	Laden	Test requirement
Test speed $v$ [km/h]	80	80 km/h
Mean fully developed deceleration $d_m$ [m/s <sup>2</sup> ]	6.81	$d_m \geq 4.64 \text{ m/s}^2 \geq 60\% d_m$ (Test type 0, disconnected engine)
Applied force [N]	199	$F \leq$ actual used mean force (Test type 0, disconnected engine)

#### 4. Other information

Vehicle(s) –object(s) submitted for

tests on : 2001-10-29

Place of testing : A-2542 Kottingbrunn, SEMPERIT REIFEN GmbH

A-1230 Wien, Prüfzentrum Wien

Date of testing : 2001-10-29 and 2001-11-09

**5. Enclosures**

Enclosure 1 : Drawings (7 sheets)  
Enclosure 2 : range of application

**6. Range of application** : see enclosure 2

**7. Conditions**

- The respective braking system may only be installed by an authorised workshop according to the specification of the manufacturer.
- Only screws of the strength class 8.8 or higher may be used.
- Installation of the brake disks as well as operation of the brake pads shall be checked for any individual case.
- A quality assurance system shall be verified by the manufacturer.

**8. Certification**

As instructed the test objects described in No. 1. had been tested with regard to Council Directive 71/320/EEC as last amended by 98/12/EC.

The test objects described in No. 1. and the vehicles in the range of application are in compliance with the Directive mentioned above.

**9. Remarks**

Combination of the brake disks in question and caliper of other manufacturers has not been tested.

This test report expires, if

- changes of the respective brake disks regarding dimensions, material or manufacturing occur;
- manufacturing and operations instructions of the road traffic laws and regulations concerned have been changed;
- a range of application is defined and installation or vehicle relevant data have been changed.

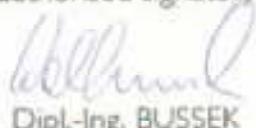
This test report includes pages 1 to 10 and remains an effective instrument in its entirety only.

Vienna - 2002-01-31

**TÜV Austria**  
Division Automotive Technology and Traffic  
Institute for automotive engineering and hazardous goods management

Accredited Testing Laboratory by  
Kraftfahrt-Bundesamt, Bundesrepublik Deutschland  
DAR-Reg. No. KBA-R 00055-00

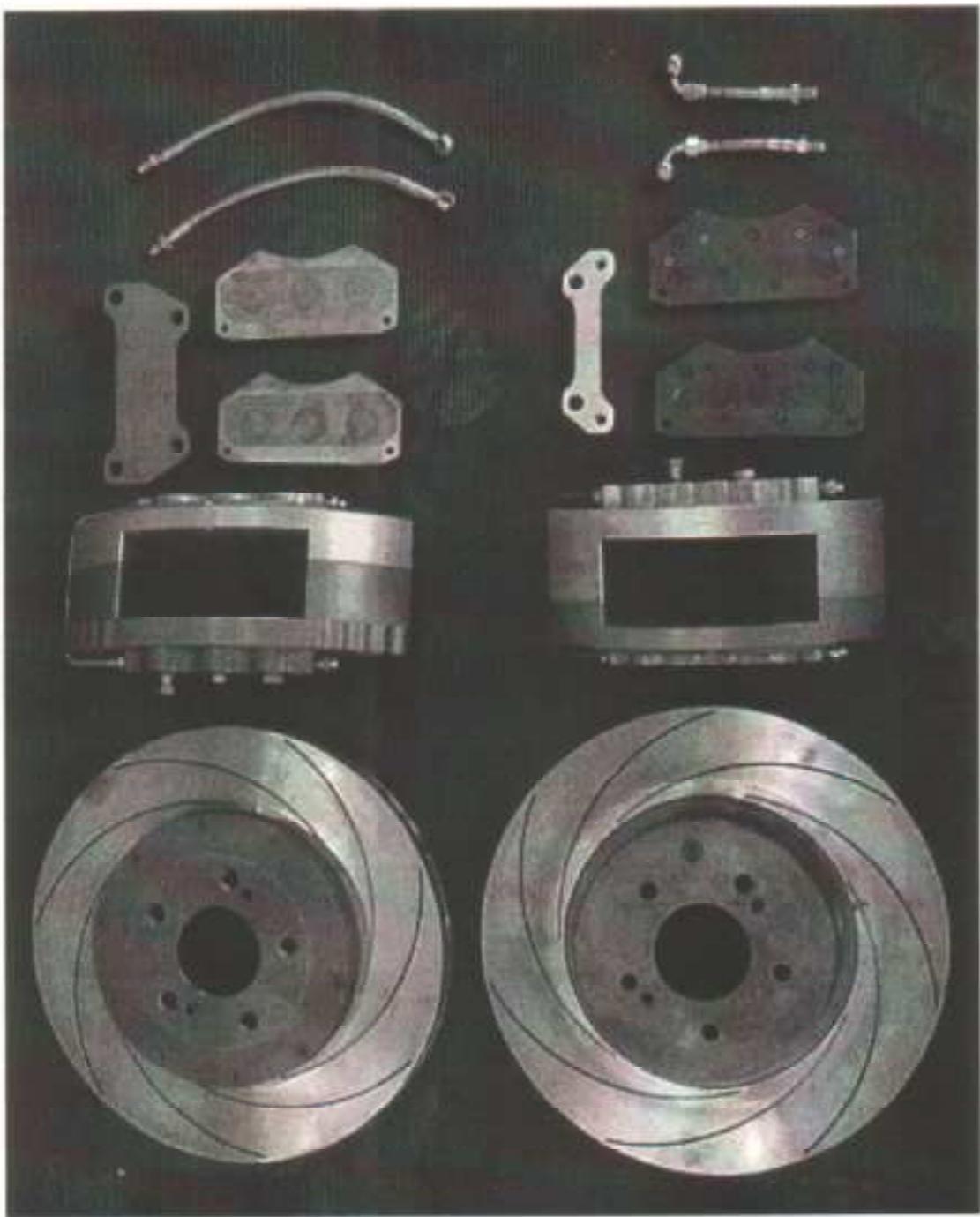
authorised signatory

  
Dipl.-Ing. BUSSEK

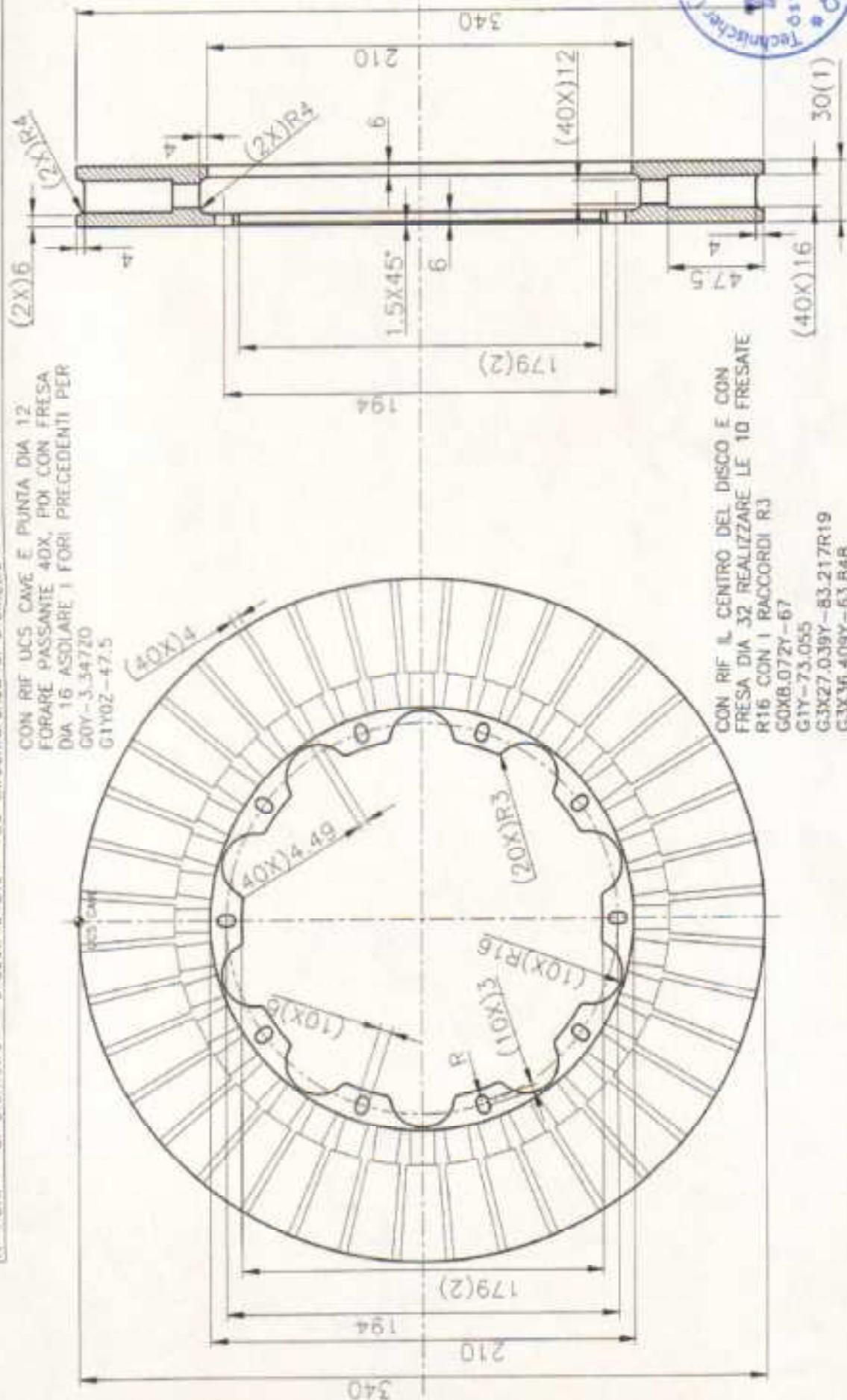


Test engineer

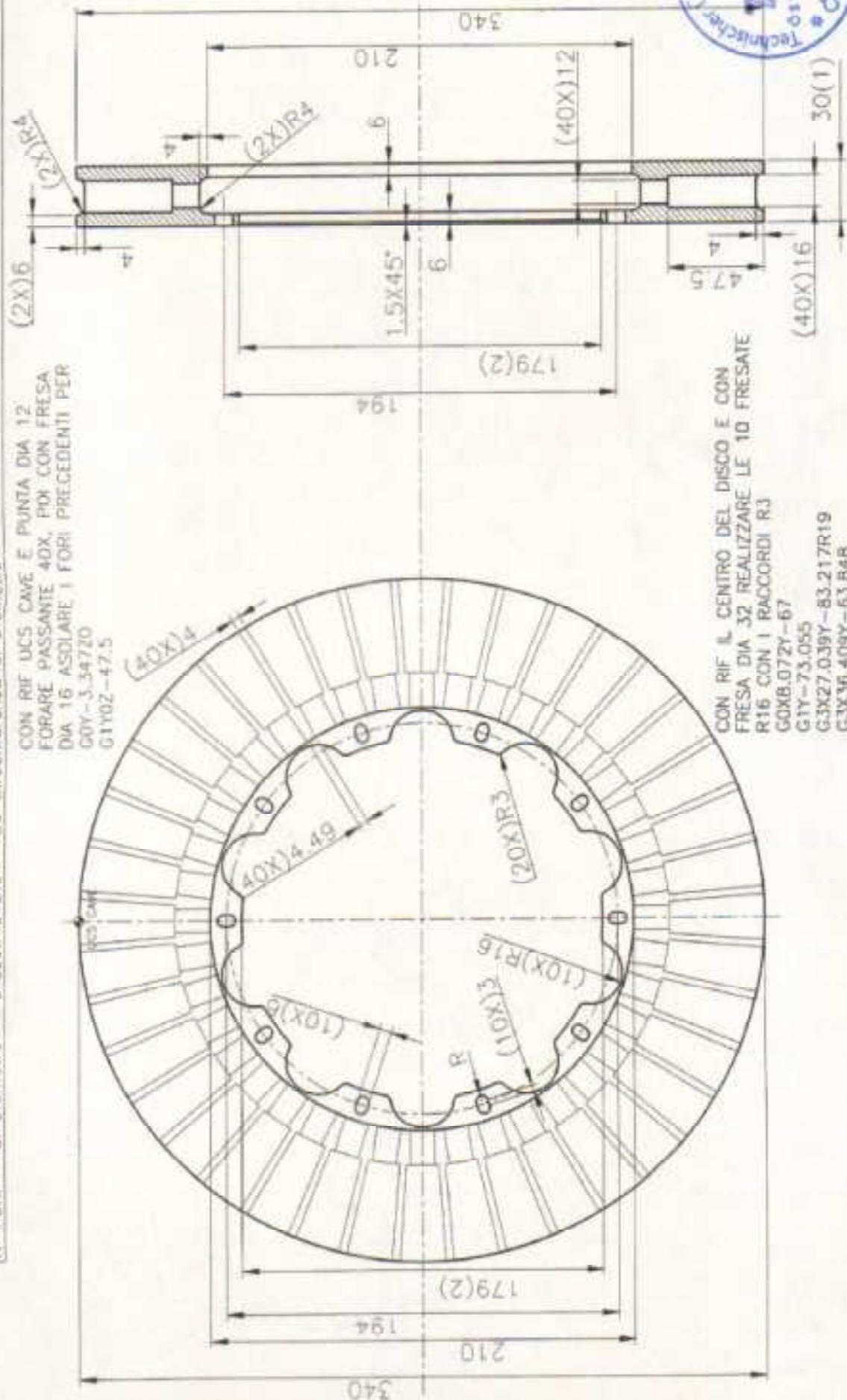
  
Mr. Fleischer



Kit of the braking system TAR-OX 0415 / 0416

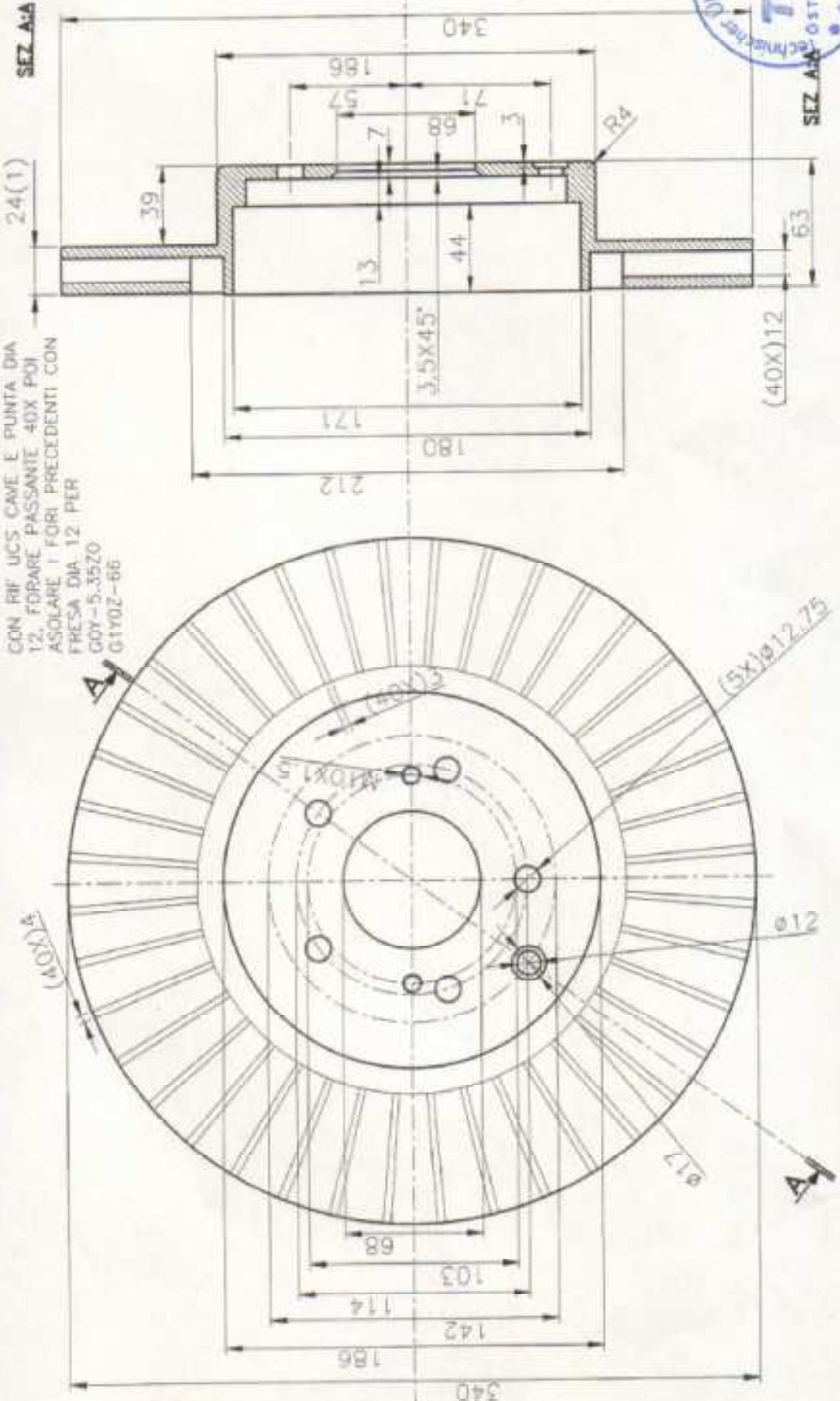


Progr. n.	TT: Dimensione TS:	Codice: 18"
Crezzo:	Mott. Chiaro, Pinza, BSC	
Approvato da: Ing. G. G.		
Name: DISCO Ant. NISSAN 500ZX		
Cod.Parte: KMUD0415	Modello: 24-10-01	Scalo: 1:2
<b>TARONI &amp; C S.p.A. Udine Front Specchio</b>		
<b>Garage -L-</b>		

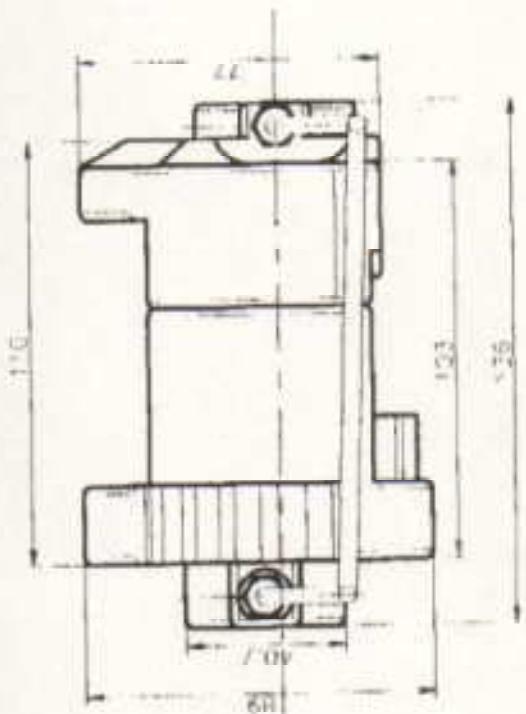


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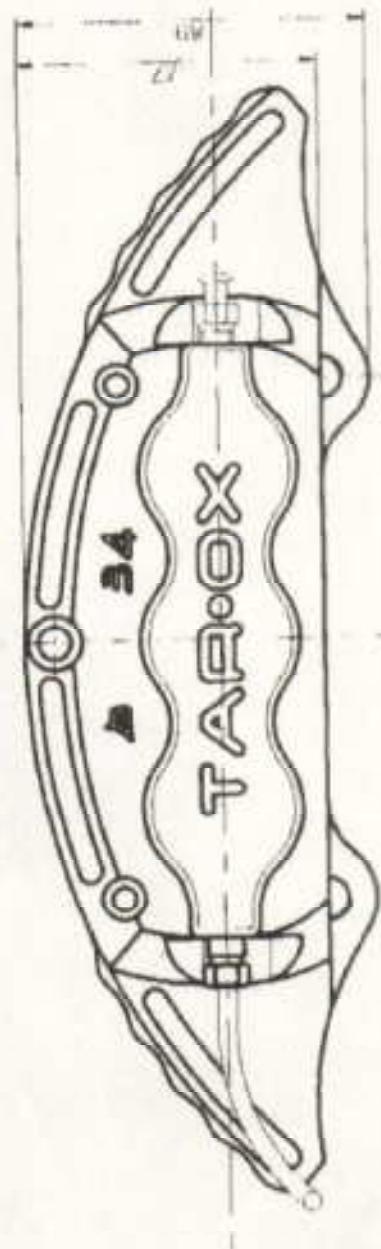
UNI/DA 16 Olt. 3	Il Disco Originale ha le seguenti misure:	Diametro=	Spessore del Disco=
DESCRIZIONE DELLA MISURA DEL NUOVO DISCO DI DIA. 340			
N° FORI=	di Diametro=	50	Centrale=
N° FORI=	di Diametro=	50	Su Circconferenza di Diametro=
N° FORI=	di Diametro=	12	Su Circconferenza di Dia=
N° FORI=	di Diametro=	12	Lamella o Dia= profondo= Su Circconferenza Dia=
N° FORI=	di Diametro=	12	Su Circconferenza di Diametro=
N° FORI=	di Diametro=	12	Svorsati al Dia= Su Circconferenza di Diametro=
			CON RIF. UCS CAVI E PUNTA DIA 12, FORARE PASSANTE 40X POI ASOLARE I FORI PRECEDENTI CON FRESA DIA 12 PER
			Goy-5-35Z0 G1702-66



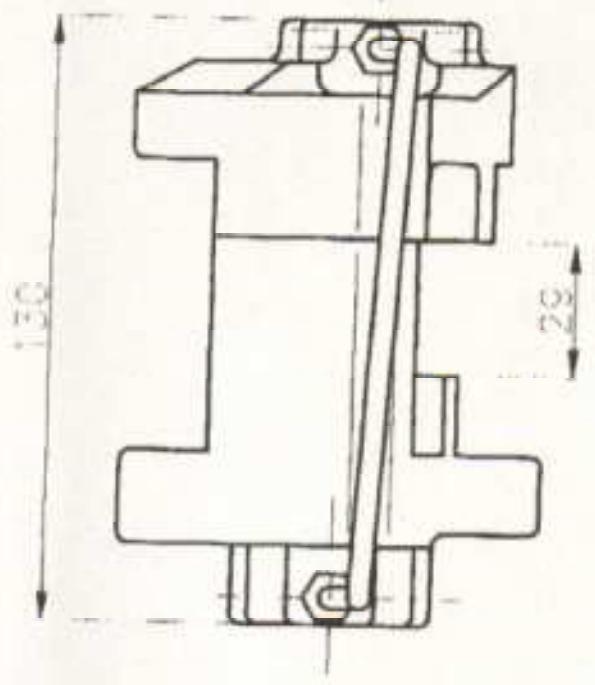
Primo Prodotto	1	Ultimo Prodotto	2
Progr. n.		TT Distensioni	TS
Circuito	18°	Grezzo:	
Nome	DISCO Post NISSAN 300 ZX(7)	Col. Parte	FMen0416
Modello		Valida	25-10-01/da 1.2
TARONI & C S.p.A. Unite Front Special		Approvato da	TARONI G.
		Mot. Gioco	Pozzani B.527



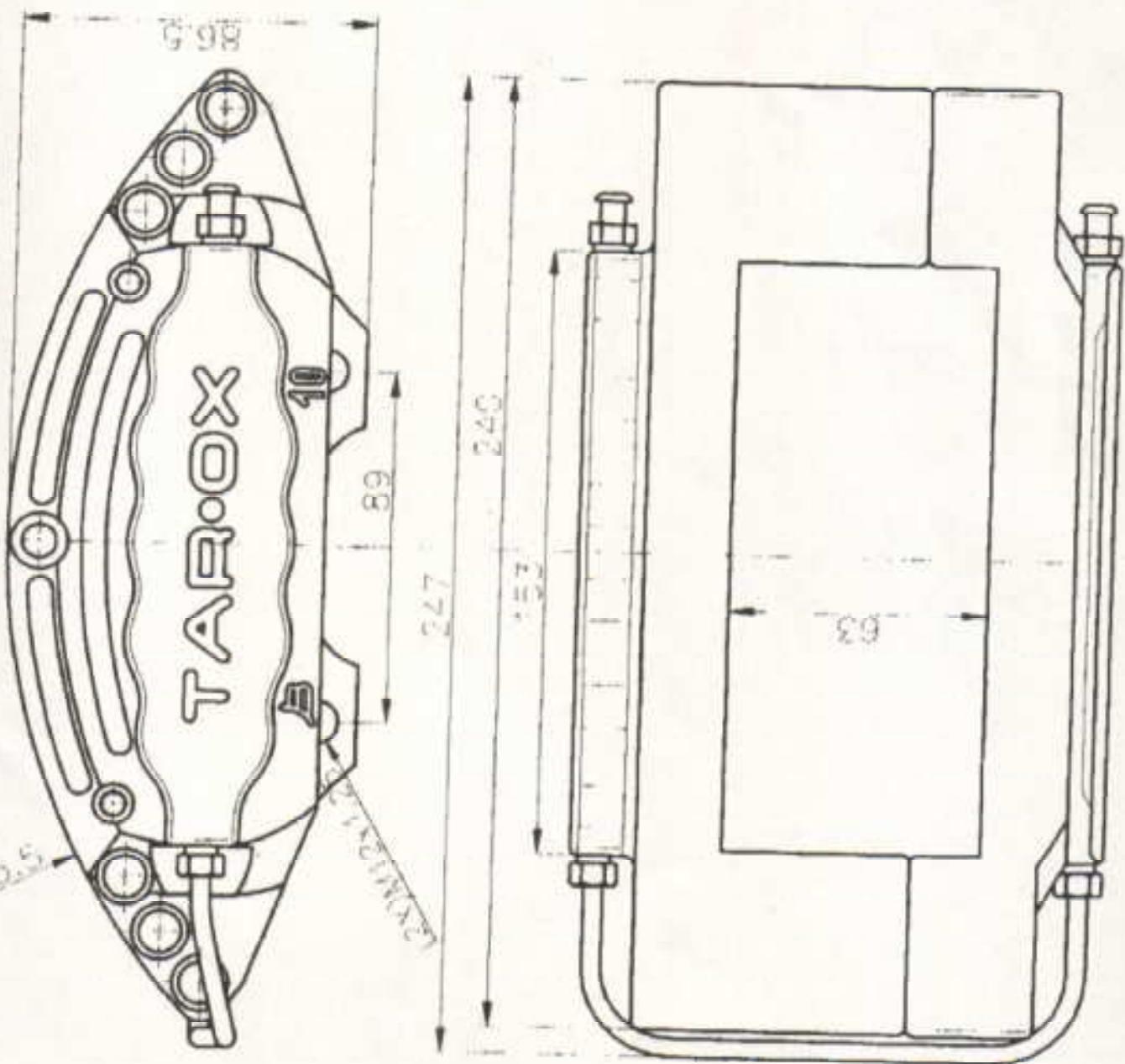
ASS'EME PINZA TAROX TIPO 9334



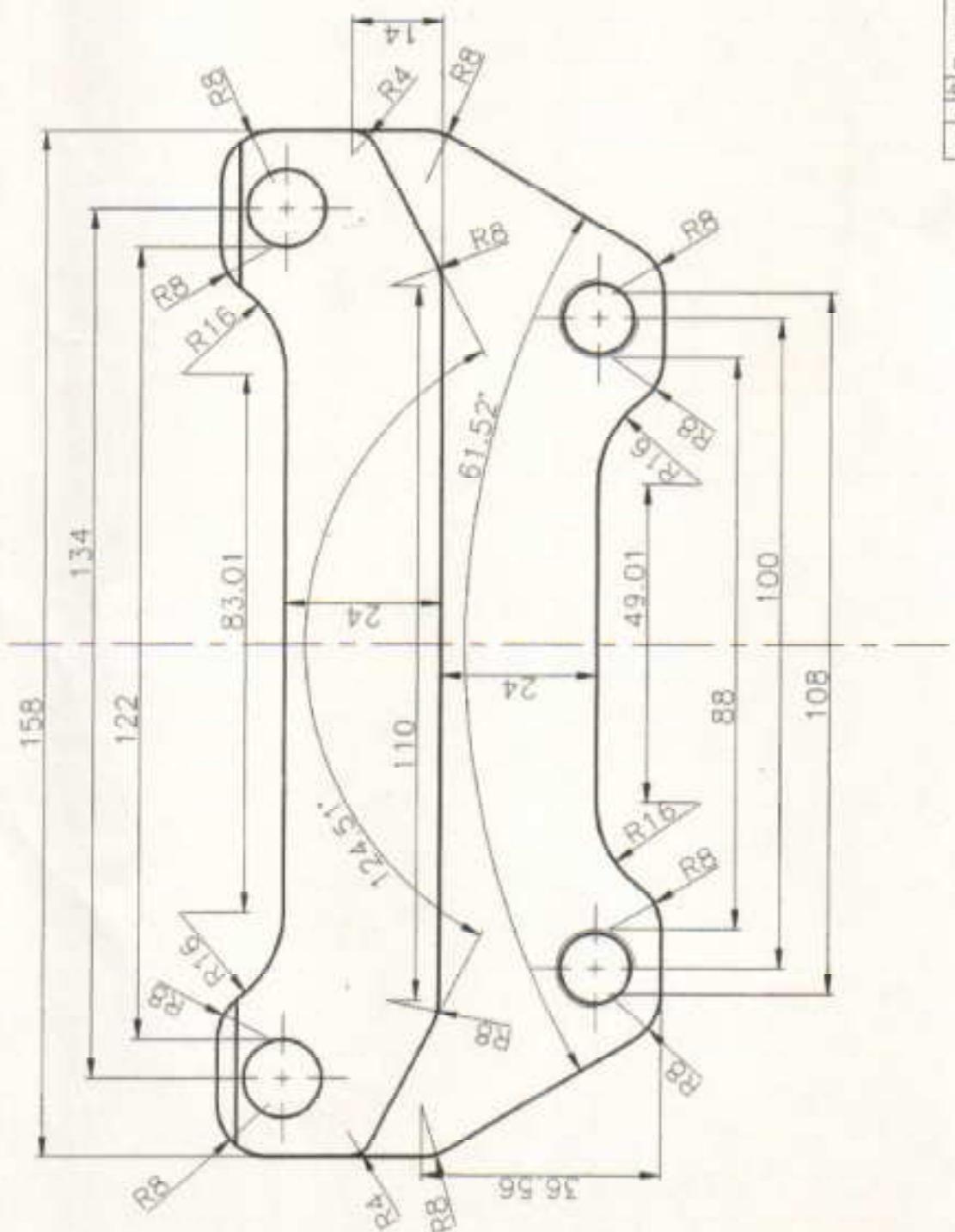
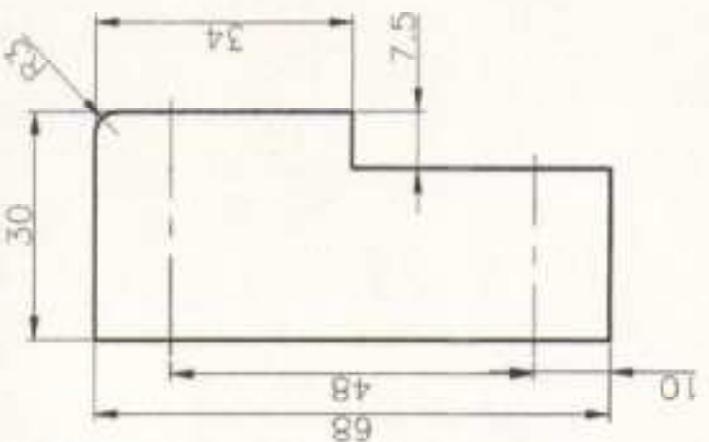
FRONT 6 Pot



Prüf-Nr. 1



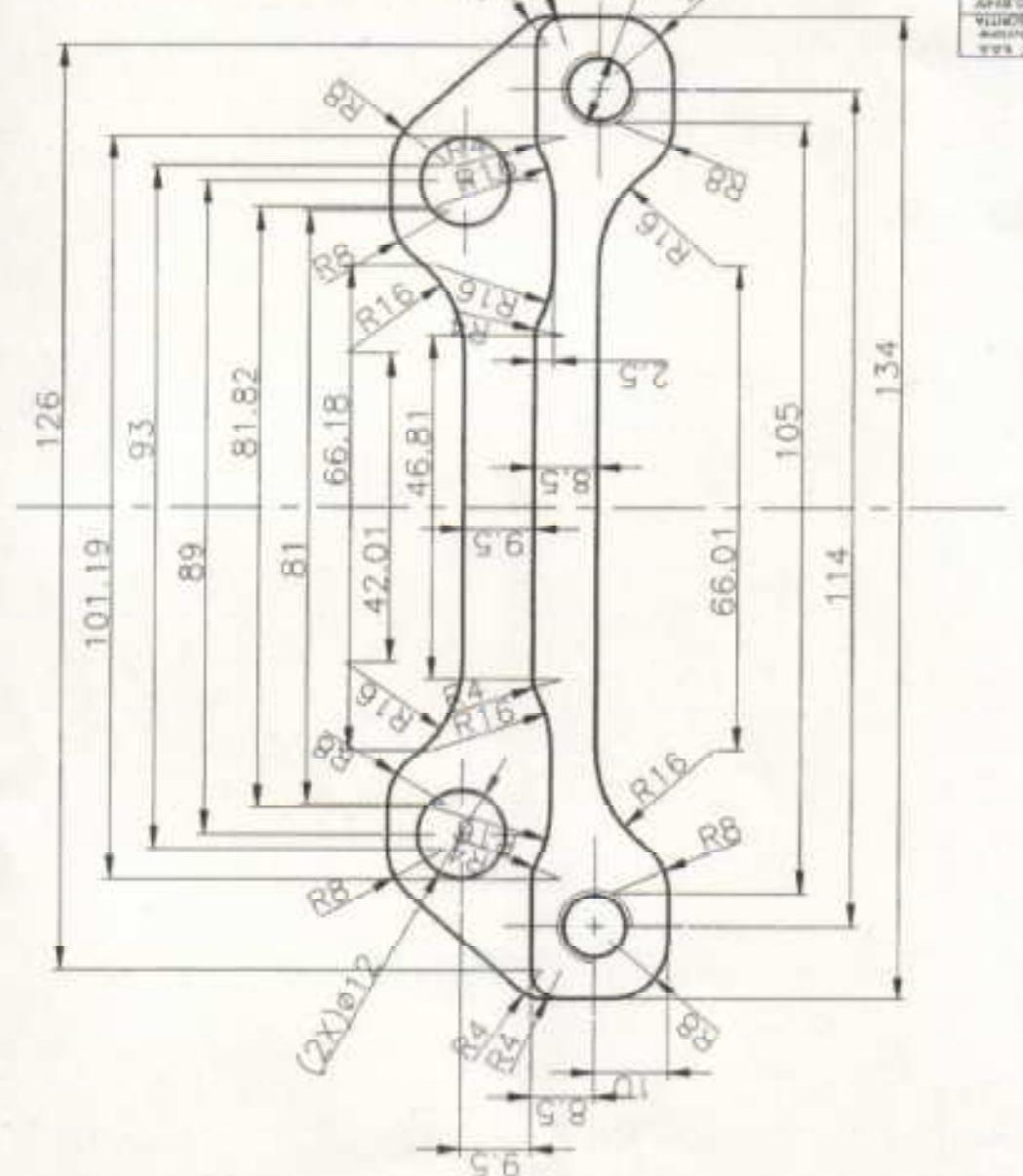
## Anhang 1



Progr. Inv: JUPITER-STAFFE	VÖLTER	3329
Viti Staffa-Montante:	M12X1.25X5MM SE	
Viti Staffa-Pinza:	M12X1.25X5MM SB	
TS: MIL-A-8625-F Type 3	Cerchi: 18"	
Grezzo: 161x70x50	Mot: UNI 9006/4	Pinzo: B3
Approvato da: TARONI G.		
Name: STAFFA Ant NISSAN 300ZX		
Cod.Parte: KMNI0415	Mod. 2	Dato: 25-10-01
Sscala:		

NOTE  
1) I disegni hanno le quote del pezzo finita PRIMA di eventuali trattamenti termici o superficiali

TARONI & C S.p.A. Unsa Fratelli Speciali Orange - 1



Anhang 1

Progr. in:	JUPITERP-STAFFA	TS: 137X40X30	Mat: UNI 9006/4	Pinzo: B32(2)
Viti Staffa-Montante:	M10X1.5X35MM SE			
Viti Staffa-Pinzo:	M10X1.5X35MM SE			
TS:	M11-A-8625-F Type 3	Cerchi: 18"		
Grezzo:	137X40X30			

Approvato da: TARONI G.

TE  
Inizio a 10 pomelli modificato come da programma 00101  
disegni hanno le quote del pezzo finito PRIMA di eventuali trattamenti termici o superficiali  
NIO416 O.tto: 2

Name: STAFFA Post NISSAN 300ZX (2)

Cod.Parte: KMIN0416 Mod. 3 Data: 26-10-01 Scale: 1:1  
TARONI & C S.p.a Unsa Fratelli Spoleto -C-

N. E del 24-10-01 Emissione  
N. 1 del 25-10-01 Cambio definizione dell'origine, si aggiornano le quote corredate  
Combusto la testa delle Viti. Correttevi Viti per montatura. Correttevi grezzi  
N. 2 del 26-10-01 Cambiamento dimensione. Combinata nota 2



**Range of application**

Due to the observations of the conducted tests and their results we consider the application of the objective braking system for the following vehicles, under the assumption of item No. 1, as adequate.

AC	Kit Nr.	Felge	Dia	NOTE	Kolben	Sattel
COBRA	KMAC0371	16"	310X26		6/10	B32 XL
COBRA	KMAC0372	16"	305X24	Hinten	6/10	B32 L
<b>ALFA ROMEO</b>						
75 1.6 1.8 NO Twin Spark	KMAR0106	15"	290		4	B1
145/146 1.8-2.0 16V TS	KMAR0358	16" or	310X26	Original Felge	6/10	B32 XL
145/146 1.8-2.0 16V TS	KMAR0332	17"	318X26		6/10	B32 XL
145/146 1.8-2.0 16V TS	KMAR0333	15"	284X10	Hinten		Originale
156/147	KMAR0191	17"	315		6/10	B32 XL
156/147	KMAR0205	18"	346		6/10	B32 XL
156/147	KMAR0208	18"	313	Hinten		Originale
156/147	KMAR0340	18"	340X26		6/10	B34
156/147	KMAR0267	16"	292X10	Hinten/Original Felge		Originale
155 1.8 T S.	KMAR0381	16" O	310X26		6/10	B32 XL
155 2.0 TURBO/16V/Q4/2.5 V6	KMAR0314	17"	318X26	EX KMAR0115	6/10	B32 XL
166	KMAR0354	15"	284		6/10	B32 XL
GTV6 2.5 - 75 3.0 v6	KMAR0190	15"	280X26		4	B1
GTV6 2.5 - 75 3.0 v6	KMAR0259	15"	284		6	B28 XL
GTV6 2.5 - 75 3.0 v6	KMAR0018	16"	305X24		6/10	B32 X
GTV6 2.5 - 75 3.0 v6	KMAR0256	17"	310X24		6/10	B32 X
GTV6 2.5 - 75 3.0 v6	KMAR0090	16"	318 X26		6/10	B32 XL
GTV6 2.5 - 75 3.0 v6	KMAR0038	17	330X26		6/10	B32 XL
GTV 2.0V6 Turbo	KMAR0162	17"	330		6/10	B32 XL
GTV 2.0 V6 Turbo	KMAR0167	16"	310	Distanze	6/10	B32 XL
GTV 2.0 V6 Turbo	KMAR0210	17	320		6/10	B32 XL
164 2.0 V6	KMAR0114	17"	315		6/10	B32 XL
GTV 2.0i 16V TWIN SPARK	KMAR0307	16"	305X26	Original Felge	6/10	B32 XL
GTV 2.0i 16V TWIN SPARK	KMAR0273	17"	316X26		6/10	B32 XL
GTV 2.0V6 Turbo	KMAR0293	16/17"	300x11	Hinten		
GTV 3.0 24V	KMAR0232	17"	325x26	Original Felge		B32XL
SZ	KMAR0080	16"	318X26		6/10	B32 XL
SZ	KMAR0179	17"	330		6/10	B32 XL
<b>ASTON MARTIN</b>	Kit Nr.	Felge	Dia	NOTE	Kolben	Sattel



DB 7	KMAM0396	18"	360X26				6/10	B34 XL
DB7	KMAM0396	18"	350X22				6	BFPXL
AUDI	Kit Nr.	Felge	Dia		NOTE	Kolben	Sattel	
A4 1.8 20V Turbo Quattro	KMAU0116	17"	320X26			6/10	B32 XL	
A4 1.8 20V Turbo Quattro	KMAU0213	16"	308			6/10	B32 XL	
A4 1.8 20V Turbo Quattro	KMAU0217	18"	330			6/10	B32	
A4 1.8 20V Turbo Quattro	KMAU0221	18"	330			6/10	B32	
A6 Quattro 2.6-2.8 V6	KMAU0222	17"	320			6/10	B32XL	
A6 Quattro 2.6-2.8 V6	KMAU0275	17" O	330X26			6/10	B32XXL	
S3 - TT	KMAU0268	17"	Original			6	B28	
A6 4.2 AVANT 4	KMAU0278	17"	Original			6/10	B32XXL	
A6 4.2 AVANT 4	KMAU0300	17"	Original				Original	
S8 4200 V8	KMAU0308	17" O	300X22			6/10	B34 XXL	
S3 - TT	KMAU0309	18"	355X30			6/10	B32XL	
S8 4.2 V8	KMAU0366	17"	318X26			6/10	B34XXL	
A3 1.8T - 1.9 TDI	KMAU0376	18"	360X32			6/10	B34XXL	
RS 4	KMAU0377	18"	Original			6/10	B34XXL	
					NOTE	Kalben	CALIPER	
BMW	COD. KIT	INCH	DIA. DISK			6/10	B32	
2002 TURBO	KMBW0262	15	300			6/10	B32	
320 (E21)	KMBM0005	17"	318			6/10	B32 L	
E30 320 i/320IS/323i	KMBM0020	15"	285X22			6/10	B32 XL	
E30 320 i/320IS/323i	KMBM0155	16"	310			6/10	B32	
E30 320i/320S/323i	KMBM0133	17"	318		Original Felge	6/10	B32 X	
M3 (E30)	KMBM0001	16"	310X24			6/10	B32 XL	
M3 (E30)	KMBM0134	17"	318			6/10	B32 L	
M3 (E30)	KMBM0111	16"	314X22		Original Felge	6/10	B32 X	
E 36 318/320 /325/328/23 2.8	KMBW0291	16"	314X24			6/10	B34	
E 36 318/320 /325/328/23 2.8	KMBW0336	17"	330X24			6/10	B32	
E 36 318/320 /325/328/23 2.8	KMBM0144	17" O	312		Original Bremsheiben	6/10	B32 XL	
E 36 318/320 /325/328/23 2.8	KMBM0150	17" O	325x26		Original Felge	6/10	B34	
M3 (E36)	KMBW0298	16"	340X30			6/10	B34XL	
M3 (E36)	KMBM0380	18"	340X26			6/10	B32XL	
E 36/E46 M3 E46 1/Z3M	KMBM0345	16" OR	330X26					
E 39 525								



	Kit Nr.	Felge	Dia	NOTE	Kolben	Sattel
CHEVROLET	KMCH0158	16" O	315		6/10	B32 X
Corvette	KMCH0388	17"	330X26		6/10	B32 XL
Corvette C5						
CITROEN	Kit Nr.	Felge	Dia	NOTE	Kolben	Sattel
ZX 2.0 16V	KMCIOJ03	17"	318X26	Nur mit distanzen	6/10	B32 XL
XSARA	KMCIOJ19	15"	295X26	Nur mit distanzen	6/10	B32 X
DODGE	Kit Nr.	Felge	Dia	NOTE	Kolben	Sattel
RAM1500 PICKUP	KMDOO142	16" O	327		6/10	B32
FERRARI						
Testarossa (1988 -1991)	KMFE0026	16"	325X30	Original Felge	6/10	B32 XXL
308	KMFE0053	16"	318	Hinten	6/10	B32
308	KMFE0054	16"	318	Hinten	6/10	B32XL
275GTB E 275GTB-4	KMFE0064	15"	280		4	B1
GTO / Testarossa (1984-1987)	KMFE0107	17"	330		6/10	B32 XL
F355	KMFE0148	16"	340	Original Felge	6/10	B32
F40	KMFE0237	18"	350X40		6	BF RACING
F40	KMFE0238	16"	350X31	Hinten	6	BF RACING
208GTS	KMFE0248	16"	315X26	Nur mit distanzen	6/10	B32XL
208 GTS	KMFE0321	16"		Hinten	6	BFP34
GTO / Testarossa (1984-1987)	KMFE0263	16"	328X30	Original F-eige	6/10	B32 XXL
550 Maranello	KMFE0279	16"	350X32	Original F-eige	6/10	B 34
Testarossa (1988 -1991)	KMFE0301	17"	330X30		6/10	B32 XXL
Testarossa (1988 -1991)	KMFE0317	17"	360X30	Hinten	6/10	B34XL
GTO / Testarossa (1984-1987)	KMFE0316	17"	360X30	Hinten	6/10	B34 XL
GTO / Testarossa (1984-1987)	KMFE0356	18"	360X30		6/10	B34XL
F355	KMFE0399	18" O	350X30		6/10	BF RACING
360 Modena	KMFE0401	18" O	355X26	Hinten	6	BF RACING
360 Modena	KMFE0402	18" O	355X26		6	
FIAT	Kit Nr.	Felge	Dia	NOTE	Kolben	Sattel
Cinquecento/Selcento	KMF0012	15"	294X26		B32	B32
Coupe Turbo 16V/Bravo HGT	KMF0057	16"	310	Original Felge	6/10	B32
Coupe' Turbo 16V/Bravo HGT	KMF0261	17"	318X26		6/10	B32



Coupe' Turbo 16V/Bravo HGT	KMF10019	17"	330					
Coupe' Turbo 20V	KMF10192	16"	310x26					
Coupe' Turbo 20V	KMF10234	18"	330x26					
Punto HGT (1999)	KMF10429	16"	305x26					
Punto HGT (1999)	KMF10263	17"	330x26	Felge BBS				
Punto HGT (1999)	KMF10276	17"	318x26					
Punto HGT (1999)	KMF10322	17"	340x26					
Punto HGT (1999)	KMF10324	17"	340X11					
Bravo HGT	KMF10297	16"	305x26					
Bravo HGT	KMF10375	18"	340x26					
Punto GT/Barchetta	KMF10130	15"	284	Hinten				
Punto GT/Barchetta	KMF10185	15"	284					
Punto GT/Barchetta	KMF10182	17"	310x26					
Palio 1.7 TD	KMF10233	14"	256	Original Felge	4	B 1		
Punto GT/Coupe' 20V Turbo	KMF10242	16"	300 x 11	Hinten				
Marea 2.0 20V TD (125)	KMF10269	15" OR	284x22	Original Felge und Bremsheiben	6	B28		
Marea 2.0 20V TD (125)	KMF10361	15" OR	284x22		6	B28		
Punto ELX 75	KMF10277	14"		Original Felge und Bremsheiben	6	B28		
Uno Turbo ie	KMF10413	14"	257X20	Original Felge und Bremsheiben	6	BFP		
Uno Turbo ie	KMF10414	15"	283X22		6	B28 L		
X19	KMF10369	15" OR	284X22	Original Felge	6	B28		
X19	KMF10374	16"	300x26		6/10	B32XL		
FORD	Kit Nr.	Felge	Dia	NOTE	Kolben	Sattel		
Escort Cosworth /Sierra Cosworth 4X4	KMF00097	15"	285	Original Felgen	6/10	B32 X		
Escort Cosworth /Sierra Cosworth 4X4	KMF00287	15"		Original Bremsheiben	6	B28		
Escort Cosworth /Sierra Cosworth 4X4	KMF00240	16"	305x26	Nur mit Distanzen	6/10	B32 XL		
Escort Cosworth /Sierra Cosworth 4X4	KMF00239	16"	318x26	Hinten	6/10	B32 XL		
Escort Cosworth /Sierra Cosworth 4X4	KMF00363	17"	318x20	Hinten				
Escort Cosworth /Sierra Cosworth 4X4	KMF00023	17"	327		6/10	B32		
Escort Cosworth /Sierra Cosworth 4X4	KMF00033	17"	328	Hinten/Hydraulic handbrake	6/10	B32		
Escort Cosworth /Sierra Cosworth 4X4	KMF00137	18"	335x26		6/10	B32 XL		
Escort Cosworth /Sierra Cosworth 4X4	KMF00339	18"	340x26		6/10	B34		
Sierra/Sapphire Cosworth 2X4	KMF00182	16"	304		6/10	B32 XL		
Sierra/Sapphire Cosworth 2X4	KMF00218	17"	318		6/10	B32 XL		
Sierra/Sapphire Cosworth 2X4	KMF00246	17"	330x26		6/10	B32XL		



Sierra/Sapphire Cosworth 2X4	KMF00331	18"	340X26			6/10	B34
Escort/Puma	KMF00400	15"	283X24	Sierra Cosworth RWD Bremsheiben		6	B26XL
Escort RS Turbo	KMF00202	16"	288X23			6	B26
Escort RS Turbo	KMF00224	18"	330			6/10	B32 XL
Escort RS Turbo	KMF00243	17"	290X26			6/10	B32XL
Mondeo TD	KMF00255	15"	280X24	Original Felgen		6	B26
Mondeo 2.0 RS V6	KMF00385	17"	330X26			6/10	B34 XL
<b>HONDA</b>							
Civic 1.6 VTi	KMH00011	17"	326X26			6/10	B32 XL
NSX	KMH00059	17"	316X26			6/10	B32 XL
NSX	KMH00061	17"	316	Hinten		6/10	B32 XL
Civic	KMH00101	16"	306			6/10	B32
PRELUDE 2000 >1993	KMH00163	16"	326X26			6/10	B32 XL
PRELUDE 2000 >1993	KMH00164		310	Hinten		6/10	Original
Civio EK4 160HP	KMH00188	17"	318X26			6/10	B32 XL
Civio	KMH00274	17"	318X26			6/10	B32 XL
NSX	KMH00318	18"	328X26			6/10	B32 XL
NSX	KMH00334	16"	310X26			6/10	B32 XL
<b>HYUNDAI</b>							
COUPE	Kit Nr. KMHY0207	Felge 15"	Dia 284X26	NOTE		Kolben 6/10	Sattel B32 XL
<b>JAGUAR</b>							
XKR / XKR 4.0	Kit Nr. KMJA0344	Felge 19"	Dia 340X26	NOTE		Kolben 6/10	Sattel B34XL
XKR / XKR 4.0	Kit Nr. KMJA0347	19"	360X30			6/10	B34XXL
S Type 3.0	Kit Nr. KMJA0355	19"	360X30			6/10	B34XL
S Type 3.0	Kit Nr. KMJA0362	19"	350X26	Hinten		6/10	B34XL
XKR / XKR 4.0	Kit Nr. KMJA0406	19"	350X26			6/10	B34XL
XKR / XKR 4.0	Kit Nr. KMJA0409	19"	350X20	Hinten		6	BFP
<b>LAMBORGHINI</b>							
Countach	Kit Nr. KMLAM0117	Felge 15"	Dia 308X30	NOTE		Kolben 6/10	Sattel B32 XXL
<b>LANCIA</b>							
Thema Turbo 16V	Kit Nr. KMLA0013	Felge 15"	Dia 284	NOTE		Kolben 6/10	Sattel B32



					NOTE			
		Kit Nr.	Felge	Dia		Kolben	Sattel	
Delta Integrale Evoluzione	KMLA0430	15"	306		Original Bremsheiben	6/10	B32 XL	
Delta Integrale Evoluzione	KMLA0031	16"	320X26			6/10	B32	
Delta Integrale Evoluzione	KMLA0017	17"	320X26			6/10	B32 XL	
Delta Integrale Evoluzione	KMLA0175	17"	330X26			6/10	B32 XL	
Delta Integrale Evoluzione	KMLA0072	16"	292X11		Hinten/Originale Felge		Original	
Delta Integrale Evoluzione	KMLA0083	17"	313		Hinten		Original	
Delta Integrale 16V	KMLA0032	15"	288		Original Felge und Bremsheiben	6/10	B32	
Delta Integrale 16V	KMLA0283	15"	306X26			6	B28	
Delta Integrale 16V	KMLA0119	16"				6/10	B32 XL	
Delta Integrale 16V	KMLA0292	17"	316X24			6/10	B32XL	
Delta Integrale 16V	KMLA0178	17"	326X26			6/10	B32 XL	
Delta Integrale 16V	KMLA0065	15"	285		Hinten/Originale Felge		Original	
Delta Integrale 16V	KMLA0206	16"	310X26			6/10	B32 XL	
Delta HPE	KMLA0315	17"	318X26			6/10	B32 XL	
K Turbo Diesel	KMLA0280	17"	318X26			6/10	B32 XL	
K Turbo Diesel	KMLA0073	17"	330X26			6/10	B32 XL	
K Turbo Diesel	KMLA0074	17"	320		Hinten		ORIGINAL	
Monte Carlo S2	KMLA0384	15"	283X24			6	B28 X	
Monte Carlo S2	KMLA0289	17"	318X26			6/10	B32XL	
Monte Carlo S2	KMLA0290	17"	318X26		Hinten		B32XL	
Monte Carlo S2	KMF10369	15"	284X22		Originale Felge		6	B28
Monte Carlo S1	KMF10374	16"	300X26			6/10	B32XL	
Monte Carlo S1	KMLA0313	17"	318X26			6/10	B32XL	
Y	KMLA0391	14"	257X20			6	BFP	
<b>LOTUS</b>								
Seven (Caterham)	KMLO0035			273	Hinten		Originale	
Seven (Caterham)	KMLO0067			294		6/10	B32 L	
Esprit S4	KMLO0112	17" O	318X22			6/10	B32 L	
Esprit S4	KMLO0113	17" O	323		Hinten		B32 L	
Elise	KMLO0422	16"	310X26			6	BFP XL	
Elise	KMLO0423	17"	310X26		Hinten		Originale	
<b>MASERATI</b>								
Biturbo 2.8/222	KMMA0103	16"	315			6/10	B32	
Biturbo 2.8/222	KMMA0120	16"	310X22			6/10	B32XL	



Royale	KMMA0121	15"	298			6/10	B32
Quattro Porte	KMMA0187	17" O	330			6/10	B32 XXL
Ghibli	KMMA0200	17"	330			6/10	B32 XXL
Biturbo 2.8/222	KMMA0264	16" O	310x24			6/10	B32 X
<b>MAZDA</b>	<b>Kit Nr.</b>	<b>Felge</b>	<b>Dia</b>	<b>NOTE</b>	<b>Kolben</b>	<b>Sattel</b>	
323F GTR 1.6-1.8 16V	KMMZ0070	16" O	305x22		6/10	B32 L	
323F GTR 1.6-1.8 16V	KMMZ0320	17"	318x26		6/10	B32XL	
RX-7 (1992) Winkel	KMMZ0368	16"	318X26		6/10	B32XL	
MX 5	KMMZ0405	15"	300X22		6/10	B32 L	
MX 5	KMMZ0406	15"	300x10	Hinten	Original		
<b>MERCEDES</b>	<b>Kit Nr.</b>	<b>Felge</b>	<b>Dia</b>	<b>NOTE</b>	<b>Kolben</b>	<b>Sattel</b>	
300E W124	KMME0075	18"	330		6/10		
500S Coupe (1994)	KMME0390	18"	3330X26		6/10	B32XL	
600 SL V12	KMME0393	18" AMG	360X32		6/10	B34XXL	
600 SL V12	KMME0394	18" AMG	350X22	Hinten	6	BFP XL	
<b>MINI</b>	<b>Kit Nr.</b>	<b>Felge</b>	<b>Dia</b>	<b>NOTE</b>	<b>Kolben</b>	<b>Sattel</b>	
Cooper	KMMI0407	12"	227		4	B1	
New Mini One /Cooper/Cooper S	KMMI0417	17"	318X26	Alessio Turbo Felge	6/10	B32XL	
<b>mitsubishi</b>	<b>Kit Nr.</b>	<b>Felge</b>	<b>Dia</b>	<b>NOTE</b>	<b>Kolben</b>	<b>Sattel</b>	
Eclipse 2.0	KMMI0044	15"	290		6/10	B32	
Eclipse 2.0	KMMI0077	17"	318		6/10	B32	
Pajero 3.0	KMMI0118	16"	318		6/10	B32	
Pajero 3.0	KMMI0141	15"	290	Original Felge	6/10	B32	
Eclipse 2.0 4X4 Turbo	KMMI0214	16"	309		6/10	B32	
3000 GT	KMMI0306	17" O	318x30	Original Felge/Distanziale 4mm	6/10	B32 XXL	
Pajero 2000 Jahre	KMMI0343	15"	290X26	Original Bremshilfen	6/10	B34XXL	
Lancer Evo 5/6	KMMI0378	17"	320		6/10	B34XXL	
Lancer Evo 5/6	KMMI0379	17"	340X32		6/10	B32XL	
3000	KMMI0383	16"	310		6/10	B34XXL	
Lancer Evo 5/6	KMMI0389	17"	340X22	Hinten	6/10		
<b>NISSAN</b>	<b>Turbo</b>	<b>Kit Nr.</b>	<b>Felge</b>	<b>Dia</b>	<b>NOTE</b>	<b>Kolben</b>	<b>Sattel</b>



Sunny GI-R	KMN10015	14"	263	Original Felge	6/10	B1
Sunny GI-R	KMN10062	15"	298	Hinten	Original	
Sunny GI-R	KMN10063	15"	290		6/10	B32
Patrol GR	KMN10128	16"	318		6/10	B32
Terrano II 2.7 TD.	KMN10138	16"	318		6/10	B32
Terrano II 2.7 T.D.	KMN10139	16"	318	Hinten	Original	
Skyline GT-R R33	KMN10219	18"	335		6/10	B32 XL
Primera 2.0 TD	KMN10257	15"O		Original Bremsheiben	6	B28
Sunny GI-R	KMN10285	17"	318X26		6/10	B32
200 SX Turbo 2.0 (1999)	KMN10351	17"	330X26		6/10	B32 XL
Skyline GT-R R33	KMN10397	18"	350X32		6/10	B34XXL
Skyline GT-R R33	KMN10398	18"	350X26	Hinten	6/10	B34XL
300 ZX	KMN10415	18"	340X26		6/10	B34XL
300 ZX	KMN10416	18"	340X24	Hinten	6/10	B32XL
<b>OPEL</b>		Kit Nr.	Felge	Dia	NOTE	
Astra Kadette GSi 16V/Calibra 2.0 16V	KMOP0028	15"	284X22		Kolben	Sattel
Astra Kadette GSi 16V/Calibra 2.0 16V	KMOP0258	16"	305X26		6/10	B32 L
Astra Kadette GSi 16V/Calibra 2.0 16V	KMOP0266	17"	318X26		6/10	B32 XL
Calibra 2.0i 16V TURBO 4X4 / 2.5V6 24V	KMOP0260	16"	305X26		6/10	B32XL
Calibra 2.0i 16V TURBO 4X4 / 2.5V6 24V	KMOP0102	17"	318X26		6/10	B32 XL
Frontiera Sport 2.0i	KMOP0197	15"O	297		Original	
Tigra	KMOP0124	15"	280		6/10	B32
Tigra	KMOP0366	17"	318X26		6/10	B32XL
Vectra V6	KMOP0235	16"	310X26		6/10	B32 XL
<b>PEUGEOT</b>		Kit Nr.	Felge	Dia	NOTE	
106 GTI	KMPE0201	17"	318		Kolben	Sattel
106 GTI	KMPE0226	16"	305		6/10	B32
205 GTI 1.9/309 1.9-16V GTI	KMPE0230	15"	284X22		6/10	B32
205 GTI 1.9/309 1.9-16V GTI	KMPE0360	17"	318X26		6/10	B32XL
205 GTI 1.9/309 1.9-16V GTI	KMPE0359	18"	330X26		6/10	B32XL
306 2.0 16V / 405 1.9i	KMPE0204	16"	310	mit Distanzen	6/10	B32
306 2.0 16V / 405 1.9i	KMPE0305	17"	318X26	nur mit Distanzen	6/10	B32 XL
306 2.0 16V / 405 1.9i	KMPE0176	17"	330	mit Distanzen	6/10	B32
306 2.0 GTi-6	KMPE0299	15"	295X26	mit Distanzen	6/10	B32 X



306 2000i 16V RALLY	KMPE0421	16"	305X26		mit Distanzen	Kolben	6/10	B32 XL
306 2.0 GT-6	KMPE0304	17"	318X26		mit Distanzen	Kolben	6/10	B32 XL
306 2.0 GT-6	KMPE0404	17"	330X26			Kolben	6/10	B34XXL
<b>RENAULT</b>	<b>Kit Nr.</b>	<b>Felge</b>	<b>Dia</b>	<b>NOTE</b>		<b>Sattel</b>		
Clio 16V/Williams	KMRE0055	15"	283	Original Clio Williams Felge		Kolben	6/10	B32
Clio 16V/Williams	KMRE0251	16"	305X26			Sattel	6/10	B32 XL
Clio 16V/Williams	KMRE0254	17"	318			Kolben	6/10	B32 XL
ESPACE 2.2 TD(dai 98)	KMRE0337	16"	305x26	mit Distanzen		Sattel	6/10	B32XL
R5 Turbo Central Engine	KMRE0089	15 O		Original Bremsheiben		Kolben	4	B1
Megane Coupe'	KMRE0220	17"	315x26			Sattel	6/10	B32XL
<b>ROVER</b>	<b>Kit Nr.</b>	<b>Felge</b>	<b>Dia</b>	<b>NOTE</b>		<b>Kolben</b>		
216 -218 - 220	KMRO0052	15"	288			Kolben	6/10	B32
820	KMRO0086	17" O	310			Sattel	6/10	B32
216 -218 - 220	KMRO0189	17"	310			Kolben	6/10	B32 XL
<b>SAAB</b>	<b>Kit Nr.</b>	<b>Felge</b>	<b>Dia</b>	<b>NOTE</b>		<b>Kolben</b>		
9000	KMSA0349	17"	330X26	Nur mit distanzial		Sattel	6/10	B32XL
<b>SEAT</b>	<b>Kit Nr.</b>	<b>Felge</b>	<b>Dia</b>	<b>NOTE</b>		<b>Kolben</b>		
Leon 2.8 V6 4X4 Cupra	KMSE0410	17" O	330X26			Sattel	6/10	B32XL
Leon 2.8 V6 4X4 Cupra	KMSE0411	17" O	300X22	Hinten/distanzial		Kolben	6/10	Original
Leon 2.8 V6 4X4 Cupra	KMSE0412	17" O	ORIGINAL	Original Bremsheiben		Sattel	6/10	B32XL
<b>SMART</b>	<b>Kit Nr.</b>	<b>Felge</b>	<b>Dia</b>	<b>NOTE</b>		<b>Kolben</b>		
SMART	KMSM0353	15"	305X10			Sattel	6	BFP
<b>SUBARU</b>	<b>Kit Nr.</b>	<b>Felge</b>	<b>Dia</b>	<b>NOTE</b>		<b>Kolben</b>		
Impreza Turbo	KMSU0049	16"	306			Sattel	6/10	B32
Impreza Turbo	KMSU0123	16"	318	Hinten		Kolben	6/10	Original
Impreza Turbo	KMSU0173	17"	328			Sattel	6/10	B32
Impreza Turbo WRX	KMSU0193	16"	318			Kolben	6/10	Original
Impreza Turbo	KMSU0250	17"	315X26			Sattel	6/10	B32
Impreza Turbo	KMSU0367	18"	340X26			Kolben	6/10	B34



SUZUKI	Kit Nr.	Felge	Dia	NOTE	Kolben	Sattel
Swift	KMSZ0212	15"	280		6/10	B32
TOYOTA	Kit Nr.	Felge	Dia	NOTE	Kolben	Sattel
Rav-4	KMT00081	16"	315		6/10	B32
Celica GT4 Turbo	KMT00296	17"	318X26		6/10	B32XL
Celica Carlos Sainz	KMT00310	15"	277X22		6/10	B32 L MODIF
Celica Carlos Sainz	KMT00312	17"	318X26		6/10	B32 XL
Celica GT4 Japan Import	KMT00327	17"	318X28		6/10	B32XL
Yaris 1.3 Luna	KMT00330	16"	310X9	Hinten	6	BFP
Yaris 1.3 Luna	KMT00302	16"	310X26		6/10	B32XL
TRIUMPH	Kit Nr.	Felge	Dia	NOTE	Kolben	Sattel
TR4/TR5	KMTR0286	15"	305X24		6/10	B32X27
TVR	Kit Nr.	Felge	Dia	NOTE	Kolben	Sattel
Chimaera/Griffith	KMTV0272	16"	300X26		6/10	B32XL
Tuscan	KMTV0325	18"	380X26		6	B38
Tuscan	KMTV0326	18"	375X26	Hinten	6/10	B32
Chimaera/Griffith	KMTV0385	17"	330X26		6/10	B34 XL
Chimaera/Griffith	KMTV0387	17"	316X20	Hinten	Original	
VOLKSWAGEN	Kit Nr.	Felge	Dia	NOTE	Kolben	Sattel
Golf /Corrado VR6	KMVW0425	15" O	284X26	Distanzen	6/10	B32
Golf /Corrado VR6	KMVW0041	16"	305	Distanzen	6/10	B32
Golf /Corrado VR6	KMVW0131	17"	318	Distanzen	6/10	B32
Golf GTI /Corrado G60	KMVW0428	15"	284X26	Distanzen	6/10	B32
Golf GTI /Corrado G60	KMVW0153	16"	300X26	Distanzen	6/10	B32
Golf GTI /Corrado G60	KMVW0127	17"	318		6/10	B32
Golf GTI /Corrado G60	KMVW0154	17"	330		6/10	B32XL
GOLF 4 1.8GTI - 2.3 V5	KMVW0427	15"	288X25	Original Bremshelben	6/10	B32XL
Golf IV 1.8GTI - 2.3 V5	KMVW0364	17"	318X26		6/10	B32XL
Golf IV 1.8GTI - 2.3 V5	KMVW0426	17"	325X26		6/10	B34XL
Golf IV 1.8GTI - 2.3 V5	KMVW0431	18"	350X26		6/10	B32XL
Golf 4 Motion	KMVW328	17"	330X26		6/10	Original
Golf 4 Motion	KMVW329	17"	300X22	Hinten	6/10	B32 XL





Passat V6 Tdi		KMVO00346	16"	306X26			6/10
VOLVO		Kit Nr.	Felge	Dia	NOTE	Kolben	Sattel
850-T5		KMVO0003	17"	325X26		6/10	B32XL
460 Turbo		KMVO0009	15"	285		6/10	B32
850 T-5		KMVO0079	16"0	300		6/10	B32XL
850 T-5		KMVO0104	17"0	318		6/10	B32XL
850 T-5		KMVO0323	17"0		Hinten	6	BFP34
880 T5 2.0 Turbo		KMVO0335	18"	330X26		6/10	B34XL
880 T5 2.0 Turbo		KMVO0336	16"	315X26		6/10	B32XL