



MASTER
ADVANCED LINE

B R A K E D I S C



Another Remsa winning product line



STER
BRAKE DISC

Certified Safety and Performance

Since ECE - R90 came to rule the European brake pads aftermarket segment Remsa was strongly involved in the quickly development of the most complete range of part numbers approvals. This was one of our keys for the success. Considering Remsa as **Matching quality product** regarding the Commission Regulation (EC) No **1400/2002** it's a being for us that our products have to meet or exceed the highest quality level standards. In that way Remsa brake discs have been homologated as...

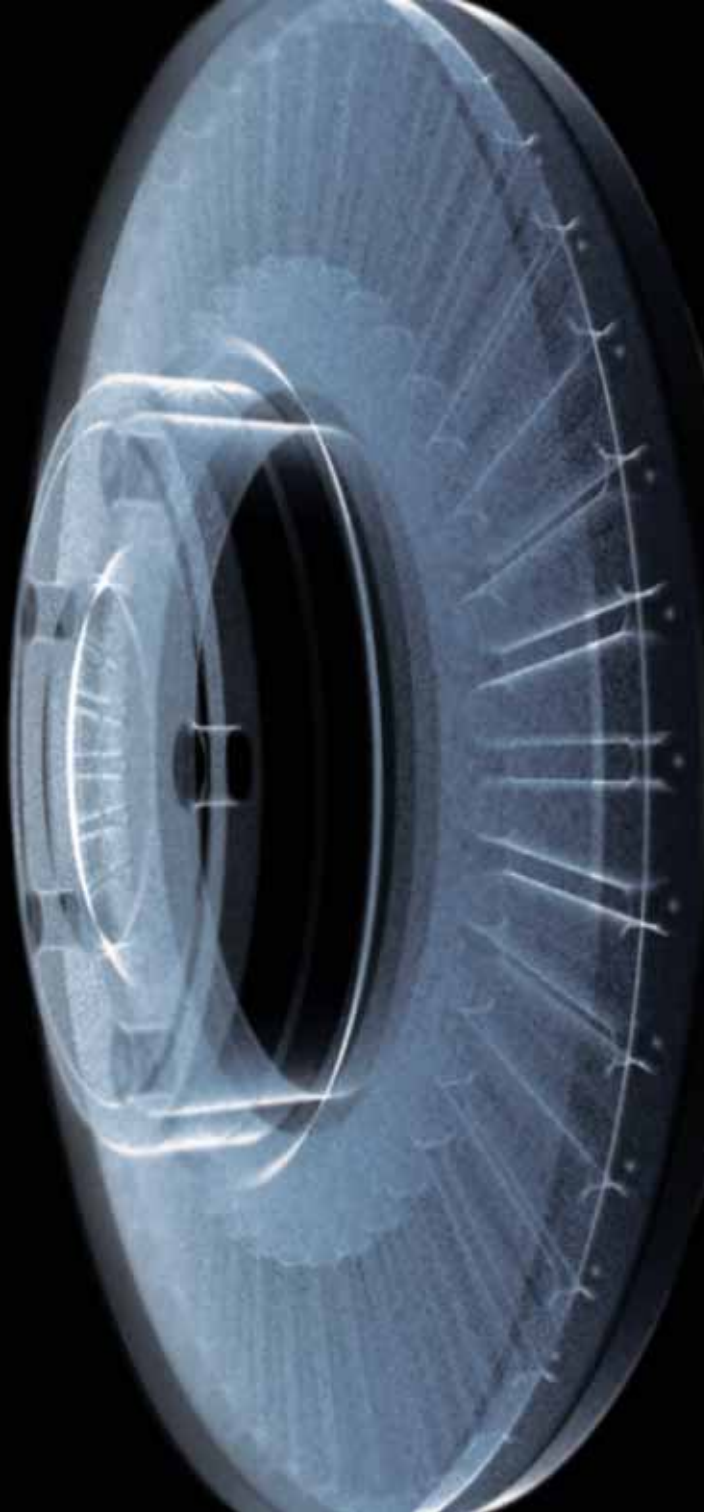


"TÜV tested and KBA Type Approved
regarding §22 in connection with §20
of German StVZO"



Kraftfahrt-Bundesamt
DE-24932 Flensburg





Raw material

Perlitic grey cast iron with lamellar graphite under EN-GJL-200 specification (exceeding the old GG20) is the main material used to produce the Remsa brake discs.

During the first production stages, advanced machinery checks micrographic homogeneity of all raw materials, at the same time any samples of the foundry batch are tested in the laboratory to check if they are in accordance with the iron cast specifications.

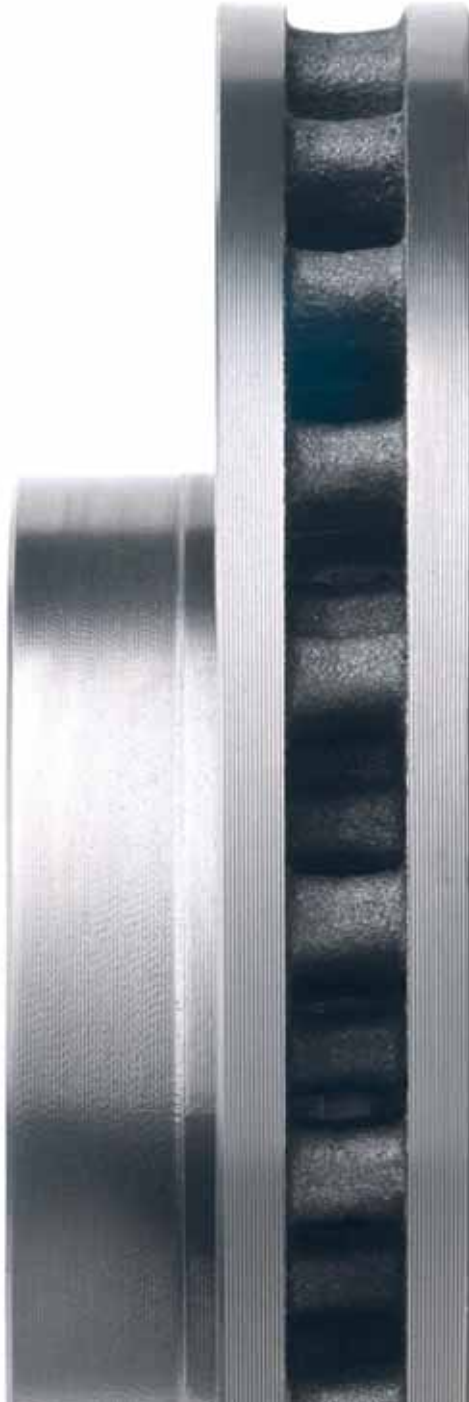






Type Approval for Brake Discs I:

The testing procedure for brake disc Type Approval consists of:
Part income inspection, geometrical and dimensional verification
of the disc, including DTV and disc run-out measurement.



Type Approval for Brake Discs II:

On a full-scale dynamometer test-bench, the disc undertakes a crack-test program composed of 100 cycles of double stop bake applications.

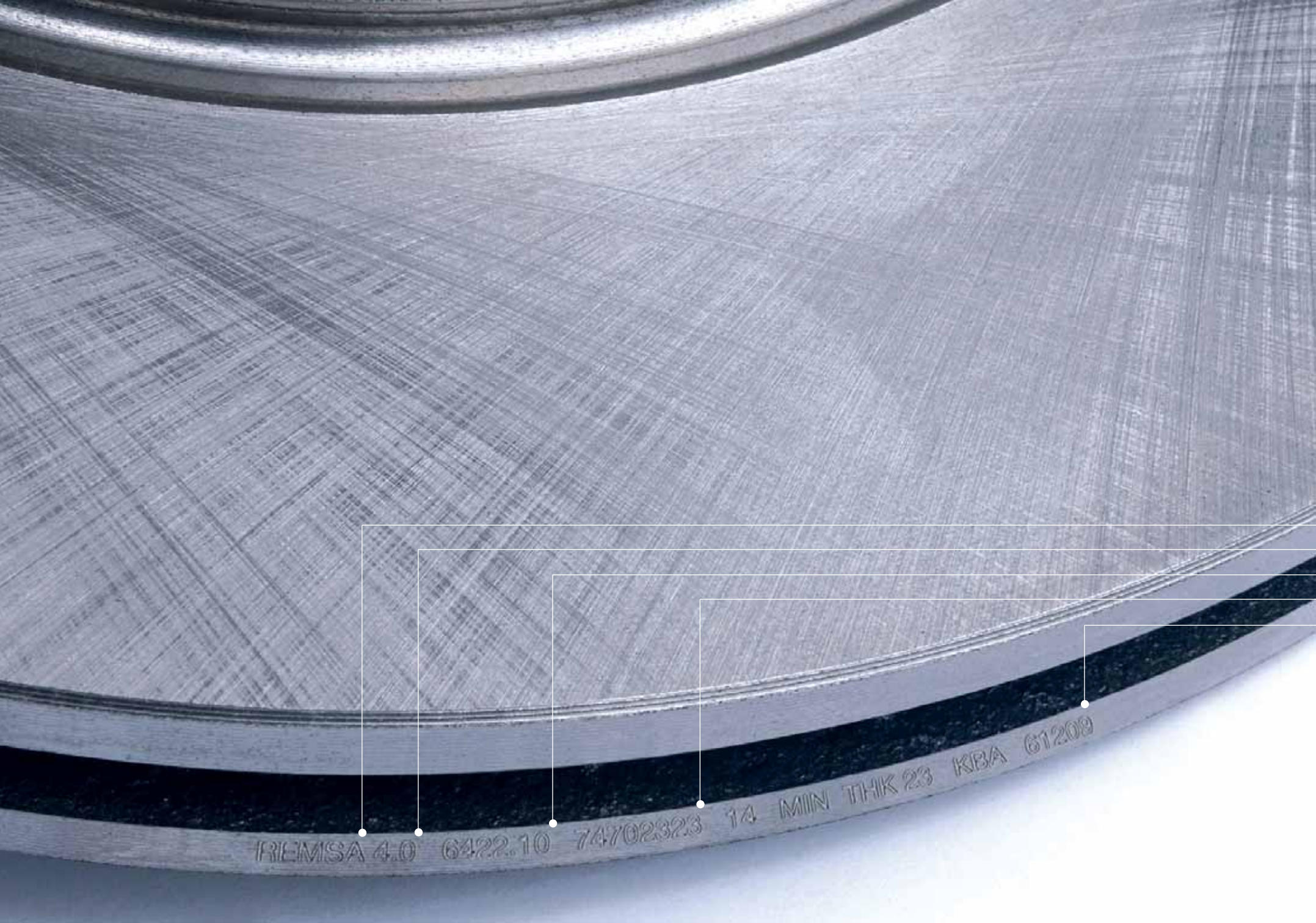
At corresponding full vehicle Load from 80% Vmax, reaching temperatures up to 750° C.

Further, on the same disc a strength-test procedure is following, containing additional 50 stop-brake applications with an initial speed of 100 km/h. and a deceleration of 10m/s².



Type Approval for Brake Discs III:

The third part of Type Approval can only be executed directly on the vehicle when these two Dyno-tests are fulfilled without any sign of damage. Brake disc friction performance and conformity regarding UN regulation R-13 are verified, both in combination with the OE-Friction Material.



REMSA 4.0 6422.10 74702323 14 MIN THIK 23 KBA 61209

Marking Approval requierement

The marking of Remsa Brake Disks are following the legal requirements applied to type approved vehicle spare parts consisting of:

MARK BRAND:	REMSA
TYPE:	4.0 for vented or 5.0 for solid
PART No.:	6422.10
CAST BRAND No.:	74702323
TYPE APPROVAL No.:	KBA 61209 for vented or KBA 61210 for solid



Data marking

Our product is punch marked with 4 mm letterings on the braking disc edge which also shows the Remsa trademark - Item code, Batch (date as a number - month as a letter – year as a number) and Supplier code – minimum thickness allowed). After marking, all parts are immersed into an insulating oil bath.



Labelling

The label carries a wealth of information to ensure correct product identification:

Item code - Make/Model - Production batch - OE Code.

Sizes: Disc Diameter - Total height - Thickness - Hole diameter - symbol of solid or ventilated disc.



Packaging features

A REMSA Master brake discs set is delivered in a first class packaging Including an internal oiled plastic bag to avoid the oxide and an exclusive fitting instructions guide.





HEAD OFFICE

Vía de las dos Castillas, 33 • Edif. 7 - Planta 2º
28224 Pozuelo de Alarcón (Madrid) SPAIN
Tel.: +34 91 799 45 20 • Fax: +34 91 351 52 27
E-mail: export@eurofren.com
www.remsa.com

DISTRIBUTION CENTER

EUROFREN BRAKES, S.L.U.
Pol. Ind. Ombatillo P. O. Box, nº 27
31591 Corella (Navarra) SPAIN
Tel.: +34 948 78 05 35 • Fax: +34 948 78 06 29
E-mail: remsa@eurofren.com www.remsa.com